COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

MARK PESTRELLA, Director

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100
http://pw.lacounty.gov

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

September 3, 2025

IN REPLY PLEASE
REFER TO FILE: SWM-0

Ms. Celine Gallon
401 Water Quality Certification Section
California Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Dear Ms. Gallon:

2024-25 ANNUAL MAINTENANCE AND MONITORING REPORT
SOFT-BOTTOM CHANNEL MAINTENANCE PROGRAM
SECTION 401 WATER QUALITY CERTIFICATION ORDER NOS. 22-117 AND 15-038

The Los Angeles County Flood Control District (LACFCD) is pleased to submit the enclosed 2024-25 Annual Maintenance and Monitoring Report for the Soft-Bottom Channel (SBC) Maintenance Program, per the requirements of the Section 401 Water Quality Certification (WQC) Order No. 22-117 and 15-038.

The following are enclosed for your review and approval:

- The Annual Maintenance Report documentation (PDF files) can be accessed in this FTP server: ftp.pw.lacounty.gov - /pub/fmd/2024-2025_SBC_Annual_Maintenance_and_Monitoring_Report/RWQCB/

  The documents included are as follows:

  1. Attachment No. 1 – Final 2024-25 SBC Maintenance Schedule
  2. Attachment No. 2 – Mitigation Monitoring Forms
  3. Attachment No. 3 – Pre- and Post-Clearing Biological Resources Monitoring
  4. Attachment No. 4 – Pre- and Post-Clearing Maintenance Photos
  5. Attachment No. 5 – Biological Surveys and Reports
  6. Attachment No. 6 – Water Quality Monitoring Summary Reports
  7. Attachment No. 7 – WQC Order File No. 22-117 and 15-038

SUMMARY OF 2024-25 MAINTENANCE ACTIVITIES

LACFCD was responsible for the maintenance of multiple soft-bottom channels throughout Los Angeles County, per the Master Streambed Alteration Agreement. LACFCD maintained a total of 85 projects during the 2024-25 soft-bottom channel maintenance period.

Per the attached Biological Resources Monitoring Forms, our biological consultant monitored our SBC maintenance activities and confirmed that maintenance activities were performed in full compliance with the conditions of our maintenance permits.

This letter also serves as certification that no net loss of wetland habitat is associated with this project:

> *"I declare under penalty of law that this document and all enclosures were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

Executed on August 13, 2025, in Alhambra, California.

If you have any questions regarding this matter, please contact Mr. Kevin Woods at (626) 458-7810 or kewoods@pw.lacounty.gov.

Very truly yours,

MARK PESTRELLA, PE
Director of Public Works

Jolene Guerrero

JOLENE GUERRERO, PE
Assistant Deputy Director
Stormwater Maintenance Division

JR:sl
P:\fldpub\HQ\06_Permits\2. Compliance\Working Folder\Annual Maintenance Reports\SBC\24-25 Annual Maintenance Reports\2. RWQCB\2024-2025 RWQCB SBC Annual Report Cover Letter.docx

Enc.

cc: Regional Water Quality Control Board (Celine Gallon, Snejana Toneva)

ATTACHMENT NO. 1

FINAL 2024-2025 ANNUAL SOFT-BOTTOM CHANNEL MAINTENANCE SCHEDULE

FINAL 2024-2025 ANNUAL SOFT-BOTTOM CHANNEL MAINTENANCE SCHEDULE

Reach No.	Name of Channel Reach	Maintenance Yard	Sensitive Reach?	Maintenance Date		Comments/ Recommendations
				Start	Completion	
1	Bell Creek - MTD 963 M.C.I.	West	Non-sensitive	10/16/2024	10/16/2024	
2	Dry Canyon (Calabasas) PD T1845	West	Non-sensitive	10/24/2024	10/28/2024	
3	Santa Susana Ck M.C.I.	West	Non-sensitive	9/3/2024	9/3/2024	
4	Brown Creek	West	Non-sensitive	11/1/2024	11/4/2024	
5	Caballero Creek M.C.I. (West Fork)	West	Non-sensitive	10/17/2024	10/24/2024	
6	Caballero Creek M.C.I. (East Fork)	West	Non-sensitive	10/17/2024	10/24/2024	
7	Bull Creek M.C.	West	Sensitive	9/17/2024	10/2/2024	
8	Hayvenhurst Drain - Project 470 Outlet	West	Non-sensitive	10/25/2024	11/1/2024	
9	Project 106 Outlet	West	Non-sensitive	9/4/2024	9/11/2024	
10	Project No. 469	West	Non-sensitive	11/18/2024	12/2/2024	
12	Haines Canyon M.C.O.	West	Sensitive	10/29/2024	10/29/2024	
13	Project No. 5215 Unit 1	West	Non-sensitive	10/7/2024	10/8/2024	
14	May Channel M.C.O. (into Pacoima Canyon)	West	Sensitive	10/2/2024	10/8/2024	
15	Pacoima Wash	West	Non-sensitive	9/16/2024	9/27/2024	
16	Verdugo Wash - Las Barras Canyon	West	Non-sensitive	9/18/2024	9/18/2024	
18	Engleheard Channel	West	Non-sensitive	9/18/2024	9/18/2024	
19	Pickens Canyon	West	Non-sensitive	11/5/2024	11/5/2024	
20	Webber Channel (@ private bridge)	West	Non-sensitive	9/18/2024	9/18/2024	
21	Webber Channel (@ downstream of bridge)	West	Non-sensitive	9/18/2024	9/18/2024	
22	Halls Canyon	West	Non-sensitive	11/5/2024	11/5/2024	
24	Compton Creek	South	Non-sensitive	9/16/2024	10/24/2025	
25a	Los Angeles River - Willow to PCH (East/Left Bank)	South	Non-sensitive	10/31/2024	11/6/2024	
25b	Los Angeles River - Willow to PCH (West/Right Bank)	South	Non-sensitive	10/24/2024	11/5/2024	
26	Project 74	South	Non-sensitive	9/16/2024	10/3/2024	
27	Wilmington Drain	South	Sensitive	10/3/2024	10/22/2024	
28	Triunfo Creek (PD T2200)	West	Sensitive	9/23/2024	9/26/2024	
29	Las Virgines Creek (PD T1684) M.C.I.	West	Non-sensitive	10/31/2024	11/5/2024	Sensitive Reach - CRLF focused survey conducted by biologist 7 days prior to starting work.
32	Stokes Channel (PDT043)	West	Non-sensitive	10/30/2024	10/30/2024	
33	Medea Creek (PD T1378)	West	Non-sensitive	11/12/2024	11/25/2024	
35	Medea Creek - Main	West	Non-sensitive	9/27/2024	9/27/2024	
36	Cheseboro Inlet (PDT043)	West	Non-sensitive	10/8/2024	10/8/2024	
37	Medea - Cheseboro Outlet	West	Non-sensitive	10/9/2024	10/9/2024	
38	Lindero M.C.O.	West	Non-sensitive	10/10/2024	10/15/2024	
39	Beatty Channel Outlet @ SGR	East	Sensitive	10/29/2024	12/26/2024	
40a	(a) San Gabriel River – Santa Fe Dam to I-10 Freeway	East	Non-sensitive	10/15/2024	12/1/2024	
40b	(b) San Gabriel River – I-10 Freeway to Thienes Avenue	East	Sensitive	12/9/2024	1/31/2025	
41	Walnut Creek	East	Non-sensitive	9/16/2024	10/20/2024	
42	San Jose Creek d/s 1000' from end of concrete channel	East	Non-sensitive	11/20/2024	1/20/2025	
43a	(a) San Gabriel River- Upper	South	Sensitive	9/16/2024	11/21/2024	
43b	(b) San Gabriel River- Lower	South	Sensitive	9/16/2024	11/21/2024	

FINAL 2024-2025 ANNUAL SOFT-BOTTOM CHANNEL MAINTENANCE SCHEDULE

Reach No.	Name of Channel Reach	Maintenance Yard	Sensitive Reach?	Maintenance Date		Comments/ Recommendations
				Start	Completion	
44	San Gabriel River - Rubber Dams	South	Non-sensitive	9/16/2024	11/7/2024	
45	Sand Canyon (PD T1307) Main Channel Inlet	West	Non-sensitive	NA	NA	Under construction. No maintenance done.
46	Sand Canyon (PD T1307) Main Channel Outlet	West	Non-sensitive	NA	NA	Under construction. No maintenance done.
47	Santa Clara River Main Channel (PD T1733-Unit 1)	West	Sensitive	NA	NA	No maintenance done.
48	Mint Canyon Channel between Sierra Highway & Adon Avenue	West	Non-sensitive	9/9/2024	9/10/2024	
49	Mint Canyon Channel between Adon Avenue & Scherzinger Lane	West	Non-sensitive	9/11/2024	9/11/2024	
50	Mint Canyon Channel between Solamint & Soledad	West	Non-sensitive	NA	NA	No maintenance done. City converted reach into a CLC.
51	Mint Canyon M.C.O. (PD 1894)/Santa Clara River – Main Channel	West	Sensitive	NA	NA	No maintenance done.
52	Sierra Hwy Rd Drainage (CDR 523.203)	West	Non-sensitive	NA	NA	No maintenance done. City converted reach into a CLC.
53	Santa Clara River Non-main Chnl. (PD 832) M.C.I.	West	Non-sensitive	10/1/2024	10/2/2024	
54	Santa Clara River Non-Main Channel (PD 832) Main Channel Outlet	West	Sensitive	NA	NA	No maintenance done.
55	Santa Clara River Main Channel – Right Bank Reach (PD's 910, 832, 1758, & 1562 Unit 2)	West	Sensitive	NA	NA	No maintenance done.
56	Santa Clara River Main Channel – Left Bank Reach (PD 832)	West	Sensitive	NA	NA	No maintenance done. No soft-bottom channel evident.
57	Whites Canyon (PD T704 M.C.I.)	West	Non-sensitive	NA	NA	No maintenance done.
58	Santa Clara River Main Channel – Right Bank Reach (PD 374)	West	Sensitive	NA	NA	No maintenance done.
60	Santa Clara River Main Channel – Right Bank Reach (PD's 1339 and 374)	West	Sensitive	9/25/2024	9/27/2024	
61	Santa Clara River Main Channel (PD 659 & 754)	West	Sensitive	9/25/2024	9/25/2024	
63	Oak Ave Rd Drainage (CDR 523.081)	West	Sensitive	9/17/2024	9/17/2024	
64	Soledad Canyon Road Drain (CDR 523.071 D outlet)	West	Sensitive	9/17/2024	9/17/2024	
66	Santa Clara River Main Channel (PD 1538)	West	Sensitive	9/17/2024	9/17/2024	
67	Bouquet Canyon Upper (PD's 1201, 802, 700B, & 625)	West	Sensitive	9/3/2024	9/13/2024	
69	Bouquet Canyon Middle (PD's 722, 773, 1365, 1065, & 451)	West	Sensitive	9/3/2024	9/13/2024	
70	Bouquet Canyon Lower (PD's 544 & 345)	West	Sensitive	9/3/2024	9/13/2024	
71	Santa Clara River Main Channel (PD 1946)	West	Sensitive	10/1/2024	10/2/2024	
72	South Fork- SCR (Smizer Ranch M.C.I.)	West	Non-sensitive	9/27/2024	9/27/2024	
73	Wildwood Cyn Chnl (PD T361) M.C.I.	West	Non-sensitive	9/27/2024	9/27/2024	
75	South Fork-Santa Clara River (PD's 725, 916, 1041, &1300)	West	Sensitive	9/16/2024	9/25/2024	
76	Pico Canyon (PD 813)	West	Sensitive	9/17/2024	9/26/2024	
77	Newhall Creek Outlet	West	Sensitive	9/23/2024	9/25/2024	
78	Placerita Creek	Wes	Sensitive	9/24/2024	9/24/2024	
79	South Fork- Santa Clara River (Valencia Boulevard Bridge Stabilizer)	West	Sensitive	9/17/2024	9/17/2024	
80	South Fork-Santa Clara River (PD's 1947 & 1946)	West	Sensitive	10/4/2024	10/10/2024	
82	Santa Clara River Main Channel (PD 2278)	West	Sensitive	9/16/2024	9/16/2024	
86	Violin Canyon Main Channel Outlet	West	Sensitive	10/3/2024	10/16/2024	
87	Castaic- Old Road Drainage (CDR 525.021D) Outlet	West	Sensitive	9/16/2024	9/16/2024	
88	Hasley Canyon Upper (PD T1496)	West	Non-sensitive	9/16/2024	9/16/2024	
89	Hasley Canyon South Fork (PD T1496)	West	Non-sensitive	9/13/2024	9/13/2024	
90	Hasley Canyon Lower (North Fork PD T1496)	West	Non-sensitive	9/13/2024	9/13/2024	
91	San Martinez Chiquito Canyon Channel u/s of Keningston Road	West	Non-sensitive	9/12/2024	9/12/2024	

FINAL 2024-2025 ANNUAL SOFT-BOTTOM CHANNEL MAINTENANCE SCHEDULE

Reach No.	Name of Channel Reach	Maintenance Yard	Sensitive Reach?	Maintenance Date		Comments/ Recommendations
				Start	Completion	
92	San Martinez Chiquito Canyon (North Fork) unnamed	West	Non-sensitive	9/12/2024	9/12/2024	
93	San Martinez Chiquito Canyon between Keningston Road and Val Verde Park	West	Non-sensitive	9/12/2024	9/12/2024	
94	San Martinez Chiquito Canyon between Val Verde Park to d/s of Madison Street	West	Non-sensitive	9/16/2024	9/16/2024	
95	Project No. 1224	West	Non-sensitive	10/8/2024	10/18/2024	
96	PD 1591, Calabasas	West	Non-sensitive	9/30/2024	10/7/2024	
97	PD T1982, Castaic Creek	West	Sensitive	10/15/2024	10/15/2024	
98	Walnut Creek – Channel Inlet	East	Non-sensitive	11/1/2024	12/26/2024	
99	Kagel Canyon – Tujunga Wash	West	Non-sensitive	9/16/2024	10/2/2024	
100	Dry Canyon, Calabasas Creek Inlet	West	Non-sensitive	9/25/2024	9/25/2024	
101	Violin Canyon (PD 2312)	West	Non-sensitive	10/3/2024	10/22/2024	
102	Violin Canyon (PD 2275)	West	Non-sensitive	10/9/2024	10/18/2024	
103	Bouquet Canyon Channel (PD 2225)	West	Sensitive	9/30/2024	10/16/2024	
104	Castaic Creek (PD 2441 Unit 2)	West	Sensitive	9/27/2024	10/2/2024	
105	San Francisquito Canyon Channel (PD 2456)	West		10/2/2024	10/3/2024	
106	Castaic Drain Outlet (RMD Channel)	West		N/A	N/A	No maintenance done.
107	Old Road Channel (RMD Channel)	West		N/A	N/A	No maintenance done.
108	Pico Canyon (PD 2528)	West	Non-sensitive	12/3/2024	12/6/2024	
109	Santa Clara River - South Bank West of Mcbean Parkway (MTD1510)	West	Sensitive	9/17/2024	9/17/2024	
110	Hasley Canyon Channel (PD2262)	West	Sensitive	9/27/2024	10/9/2024	
112 Upper	Ballona Creek	South	Non-sensitive	11/5/2024	11/26/2024	
112 Lower	Ballona Creek	South	Non-sensitive	N/A	N/A	No maintenance, done pending outreach
113	Dominguez Channel	South	Non-sensitive	N/A	N/A	No maintenance done.
114	Los Angeles River	South	Non-sensitive	11/5/2024	11/18/2024	
115	San Gabriel River	South	Sensitive	10/9/2024	12/13/2024	
116	Los Cerritos Channel	South	Non-sensitive	N/A	N/A	No maintenance done.
117	Centinela Creek	South	Non-sensitive	N/A	N/A	No maintenance done.
118	Rustic Canyon	South	Non-sensitive	N/A	N/A	No Maintenance done. No SBC work due to emergency channel repairs.
119	Rivas Canyon	South	Non-sensitive	N/A	N/A	No Maintenance done. No SBC work due to emergency channel repairs.
120	Jake's Way (PD 2496)	West	TBD	N/A	N/A	No maintenance done.
121	San Francisquito Creek (PD 2271)	West	TBD	N/A	N/A	No maintenance done.

ATTACHMENT NO. 2

MITIGATION MONITORING FORMS

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**
Location/Channel Reach #: **Reach No. 1 Bell Creek MTD 963** **T.G.: 529-D5**

Maintenance Plan:
Lollipop 15-foot-wide "tunnel" through the vegetation in invert. Allow native shrubs such as willow, coyote bush, and mulefat to spread and become established outside channel on both banks. Crews relocated existing chain-link fence to between access road and channel so the "side area" next to the channel isn't used as a staging area. Remove all vegetation with hand operated tools. Clear trash, debris, and non-native vegetation by hand within boundaries.

Description of Activity/Method of Implementation:

ALL VEGETATION WAS CUT/REMOVED BY HAND AND POWER TOOL WHICH ALL CONTAINED PROPER EXHAUST SYSTEM.

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 10/16/24 **Project end date:** 10/16/24

Completed by: Name: ANTHONY MIRANDO Title: PWC Date: 10/16/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 1.41

Mitigation Measure #: 2 **Exotic Veg.Removed (Sq. Ft.)** 0

Location/Channel Reach #: **Reach No. 1 Bell Creek MTD 963** **T.G.: 529-D5**

Maintenance Plan:
Lollipop 15-foot-wide "tunnel" through the vegetation in invert. Allow native shrubs such as willow, coyote bush, and mulefat to spread and become established outside channel on both banks. Crews relocated existing chain-link fence to between access road and channel so the "side area" next to the channel isn't used as a staging area. Remove all vegetation with hand operated tools. Clear trash, debris, and non-native vegetation by hand within boundaries.

Description of Activity/Method of Implementation:

Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☒ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☐ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☒ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
STRAW WADDLE BMP WAS PLACED @ END OF REACH BEFORE ANY WORK WAS PERFORMED

Biologist on site: ☐ **Yes** ☒ **No** **Date:** _____

Biologist Comments/Instructions:

_____

_____

Completed by: Name: ANTHONY MIRANO Title: PWCL Date: 10/16/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach #: **Reach No. 1 Bell Creek MTD 963** **T.G.: 529-D5**

Maintenance Plan:
Lollipop 15-foot-wide "tunnel" through the vegetation in invert. Allow native shrubs such as willow, coyote bush, and mulefat to spread and become established outside channel on both banks. Crews relocated existing chain-link fence to between access road and channel so the "side area" next to the channel isn't used as a staging area. Remove all vegetation with hand operated tools. Clear trash, debris, and non-native vegetation by hand within boundaries.

Description of Activity/Method of Implementation:

ALL HAND/POWER TOOLS USE WERE EQUIPPED WITH PROPER MUFFLERS.
ALL WORK STARTED AFTER 8:00 AM TO NOT DISTURB RESIDENTS.

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Completed by: Name: ANTHONY MIRANO Title: PWCL Date: 10/16/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name BELL CREEK MTD 963 INLET
Reach Number 2

Date	Air	H2O	Noise	Comment	Initial
10/16/24	X	X	X	STRAW WADDLE PLACED @ END OF REACH START/FINISH DATE OF PROJECT.	

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach # 2 Dry Canyon (Calabasas) (PD T1845)** **T.G.: 559-G5**

Maintenance Plan:

Hand clear a 20-foot-wide path along the reach's centerline. Trees within and on the reach banks will not be allowed to mature. Vegetation will be removed from the openings in the crib walls to the extent necessary to prevent structural damage to the crib walls. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below).

____ Mitigation measure is not in compliance. Further action is required. (Please explain below).

Comments/Revisions:

NONE

Project start date: 10-24-2024 **Project end date:** 10-28-2024

Completed by: Name: Jorge Martinez Title: Supervisor Date: 10-28-2024

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 10/28/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach # 2 Dry Canyon (Calabasas) (PD T1845)** **T.G.: 559-G5**

Maintenance Plan:

Hand clear a 20-foot-wide path along the reach's centerline. Trees within and on the reach banks will not be allowed to mature. Vegetation will be removed from the openings in the crib walls to the extent necessary to prevent structural damage to the crib walls. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: SUPERVISOR Date: 10-28-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 10/28/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach # 2 Dry Canyon (Calabasas) (PD T1845)** **T.G.: 559-G5**

Maintenance Plan:

Hand clear a 20-foot-wide path along the reach's centerline. Trees within and on the reach banks will not be allowed to mature. Vegetation will be removed from the openings in the crib walls to the extent necessary to prevent structural damage to the crib walls. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 10-28-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 10/28/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Dry Canyon calabazas-
Reach Number 2

Date	Air	H2O	Noise	Comment	Initial
10-28-24	✓	✓	✓	NONE	J. M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 4 Browns Creek** **T.G.: 500-B2**

Maintenance Plan:

Mechanically clear all vegetation from bank to bank within the rail and timber revetment, north and south of the 118 freeway. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 11-01-2024 **Project end date:** 11-04-24

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 11-04-24.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 11/4/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 4 Browns Creek** **T.G.: 500-B2**

Maintenance Plan:

Mechanically clear all vegetation from bank to bank within the rail and timber revetment, north and south of the 118 freeway. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 11-04-24.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 11/4/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 4 Browns Creek** **T.G.: 500-B2**

Maintenance Plan:

Mechanically clear all vegetation from bank to bank within the rail and timber revetment, north and south of the 118 freeway. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 11-04-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 11/4/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Browns creek.
Reach Number 4

Date	Air	H2O	Noise	Comment	Initial
11-04-24	✓	✓	✓	NONE	R.R

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 5 Caballero M.C.I. (West Fork)** **T.G.: 560-J5**

Maintenance Plan:

Hand clear a 20-foot-wide path along the centerline of the channel. Clear trash, debris, and non - native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

ALL VEGETATION WAS CUT/REMOVED WITH POWERTOOLS SUCH AS WEED EATERS, HEDGERS, AND CHAINSAWS. WHICH ALL CONTAINED APPROVED EXHAUST SYSTEMS.

Disposition: X Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 10/17/24 **Project end date:** 10/24/24

Completed by: Name: ANTHONY MIRAND Title: PWCL Date: 10/25/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 16.83

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** ~~0~~

Location/Channel Reach#: **Reach No. 5 Caballero M.C.I. (West Fork)** **T.G.: 560-J5**

Maintenance Plan:

Hand clear a 20-foot-wide path along the centerline of the channel. Clear trash, debris, and non - native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☒ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☐ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☒ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
STRAW WADDLE BMP WAS PLACED AT END OF REACH.

Biologist on site: ☐ **Yes** ☒ **No** **Date:** _____

Biologist Comments/Instructions:

_____

_____

Completed by: Name: ANTHONY MIRAND Title: PWCL Date: 10/25/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 5 Caballero M.C.I. (West Fork)** **T.G.: 560-J5**

Maintenance Plan:

Hand clear a 20-foot-wide path along the centerline of the channel. Clear trash, debris, and non - native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

ALL POWER TOOLS ARE EQUIPPED WITH APPROVED MUFFLERS
ALL WORK STARTED AFTER 8 AM AS TO NOT DISTURB
RESIDENTS.

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Completed by: Name: ANTHONY MORENO Title: PWC Date: 10/25/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name CABALLERO CREEK INLET
Reach Number 5

Date	Air	H2O	Noise	Comment	Initial
10/17/24	X	X	X	START OF PROJECT, STRAW WADDLE PLACED AT THE END OF REACH.	
10/18/24	X	X	X		
10/21/24	X	X	X		
10/22/24	X	X	X		
10/23/24	X	X	X		
10/24/24	X	X	X	PROJECT COMPLETE.	

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 6 Caballero Creek (East Fork)** **T.G.: 560-J5**

Maintenance Plan:

Hand clear a 20-foot-wide path along the centerline of the channel. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

ALL POWER TOOLS USED ON PROJECT ARE EQUIPPED WITH PROPER EXHAUST.

Disposition: X Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 10/17/24 **Project end date:** 10/24/24

Completed by: Name: ANTHONY MIRANDO Title: PWCI Date: 10/25/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 5.54

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 0

Location/Channel Reach#: **Reach No. 6 Caballero Creek (East Fork)** **T.G.: 560-J5**

Maintenance Plan:

Hand clear a 20-foot-wide path along the centerline of the channel. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☒ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☐ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☒ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- X Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions: STRAW WADDLE PLACED AT END OF REACH BEFORE START OF PROJECT

Biologist on site: X **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

_____

_____

Completed by: Name: ANTHONY MIRANO Title: PMCL Date: 10/25/25

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 6 Caballero Creek (East Fork)** **T.G.: 560-J5**

Maintenance Plan:

Hand clear a 20-foot-wide path along the centerline of the channel. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

ALL POWER TOOLS USED CONTAINED PROPER MUFFLER SYSTEM. ALL WORK WAS PERFORMED AFTER 8AM TO NOT DISTURB RESIDENTS.

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Completed by: Name: ANTHONY MIRANDO Title: PWCL Date: 10/25/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name CABALLERO CREEK INLET
Reach Number 6

Date	Air	H2O	Noise	Comment	Initial
10/17/24	X	X	X	START OF PROJECT, STRAW WADDLE PLACED AT THE END OF REACH.	
10/18/24	X	X	X		
10/21/24	X	X	X		
10/22/24	X	X	X		
10/23/24	X	X	X		
10/24/24	X	X	X	COMPLETION OF PROJECT	

2023-2024

WO# 892 4021 – F200 2646 – AF 22

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 7 Bull Creek M.C.O** **T.G.: 531-D7**

Permit Requirements: *The work will involve hand clearing dead vegetation and trimming tree limbs along the banks to ensure clear flow within the channel. This work will be done only in the first 400 feet of natural channel downstream from the concrete channel outlet to ensure that flow does not back up into the concrete channel upstream of Victory Boulevard.*

The trimming and removal of dead vegetation along the banks within the 400 linear feet shall not exceed a width of 15 feet on each bank. The Operator shall not impact the 1.45 acres of vegetation *that was allowed to remain in 1997.*

Description of Activity/Method of Implementation:

WORK WAS PERFORMED USING POWER TOOLS. HAND TOOLS. DUST WAS MINIMAL.

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 9-17-2024 **Project end date:** _____

Completed by: Name: Jorge Jaramillo Title: P.W.C.L. Date: 10-2-24

Approved by: Name [signature] Title: FCCS Date: 10-03-24

2023-2024
WO# 892 4021 – F200 2646 – AF 22

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 7 Bull Creek M.C.O** **T.G.: 531-D7**

Permit Requirements: *The work will involve hand clearing dead vegetation and trimming tree limbs along the banks to ensure clear flow within the channel. This work will be done only in the first 400 feet of natural channel downstream from the concrete channel outlet to ensure that flow does not back up into the concrete channel upstream of Victory Boulevard.*

The trimming and removal of dead vegetation along the banks within the 400 linear feet shall not exceed a width of 15 feet on each bank. The Operator shall not impact the 1.45 acres of vegetation *that was allowed to remain in 1997.*

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- [X] ESC1 Scheduling
- [X] ESC2 Preservation of Existing Vegetation
- [ ] ESC21 Dust Control
- [ ] ESC22 Temporary Stream Crossing
- [ ] ESC31 Temporary Drains and Swales
- [ ] ESC50 Silt Fence
- [X] ESC51 Straw Bale Barriers
- [ ] ESC52 Sand Bag Barriers

Disposition:
- [X] Mitigation measure has been implemented. No further action is required.
- [ ] Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- [ ] Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Biologist on site: [ ] No [X] Yes **Date:** 9-17-2024

Biologist Comments/Instructions:

Completed by: Name: Jorge Jaramillo Title: P.W. C.L. Date: 10-2-24

Approved by: Name: [signature] Title: PBCS Date: 10-3-24

2023-2024
WO# 892 4021 – F200 2646 – AF 22

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 7 Bull Creek M.C.O** **T.G.: 531-D7**

Permit Requirements: *The work will involve hand clearing dead vegetation and trimming tree limbs along the banks to ensure clear flow within the channel. This work will be done only in the first 400 feet of natural channel downstream from the concrete channel outlet to ensure that flow does not back up into the concrete channel upstream of Victory Boulevard.*

The trimming and removal of dead vegetation along the banks within the 400 linear feet shall not exceed a width of 15 feet on each bank. The Operator shall not impact the 1.45 acres of vegetation *that was allowed to remain in 1997.*

Description of Activity/Method of Implementation:

NOISE WAS MINIMAL.

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Completed by: Name: Jorge Jaramillo Title: P.W.C.L. Date: 10-2-24

Approved by: Name: Michael G. Illegible Title: FCCS Date: 10-03-24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 8 Project 470 Outlet** **T.G.: 561-E3**

Maintenance Plan:
Clear all vegetation in this reach using mechanical or manual methods. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

All power tools used (weed eaters, pole saws, hedge trimmers) have approved exhaust. Dust was kept to a minimum.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 10-25-24 **Project end date:** 11-1-24

Completed by: Name: R. Almanza Title: PWCL Date: 11-1-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 29

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 0

Location/Channel Reach#: **Reach No. 8 Project 470 Outlet** **T.G.: 561-E3**

Maintenance Plan:
Clear all vegetation in this reach using mechanical or manual methods. Clear trash, debris, and non - native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

☐ SS-1 Scheduling
☐ SS-2 Preservation of Existing Vegetation
☐ WE-1 Wind Erosion Control
☐ NS-4 Temporary Stream Crossing
☐ SS-9 Temporary Drains and Swales
☐ SC-1 Silt Fence
☑ SC-9 Straw Bale Barriers
☐ SC-8 Sand Bag Barriers

Disposition: ____ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
Straw bale was placed at end of reach before work was started.

Biologist on site: ☐ No ☐ Yes **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: R. Almanza Title: PWCL Date: 11-1-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 8 Project 470 Outlet** **T.G.: 561-E3**

Maintenance Plan:
Clear all vegetation in this reach using mechanical or manual methods. Clear trash, debris, and non - native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

All power tools used have state approved mufflers. Work was started after 8 am so that neighbors were not disturbed.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Completed by: Name: Richard Almanza Title: PW CL Date: 11-1-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Haverhurst Drain
Reach Number 8

Date	Air	H2O	Noise	Comment	Initial
10-25-24	✓	✓	✓	straw bale was placed at end of reach before work was started	RA
10-28-24	✓	✓	✓	" "	RA
10-29-24	✓	✓	✓	" "	RA
10-30-24	✓	✓	✓	" "	RA
10-31-24	✓	✓	✓	" "	RA
11-1-24	✓	✓	✓	Job complete, straw bale removed.	RA

2024-2025

WO# 892 3975 - F200 2067- AF 22

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**
Location/Channel Reach #: **Reach No. 10 Project No. 469** **T.G.: 531- J7 TO 561- F1**

Permit Requirements:
Due to a recent toxic spill, no work was performed in November 1997, since virtually all of the vegetation was killed. Vegetation and dead vegetation will be mechanically removed to the extent necessary to prevent restricting flows in the storm drain upstream of Victory Boulevard. This will require clearing the channel for approximately 4,000 feet downstream of Victory Boulevard. The reach will be maintained clear of all vegetation during the dry season.

The Operator shall not impact 2.11 acres of vegetation that was allowed to remain in the channel in 1997.

Description of Activity/Method of Implementation:

One EXCAVATOR WITH A MOWING HEAD AND A 4000 GALLON WATER TRUCK WAS USED TO PREVENT A FIRE. THE FLOW OF WATER DID NOT L.A RIVER NO BMP WAS NEEDED.

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

BIRD SURVEY WAS PERFORMED BEFORE START OF EACH WORK DAY. NO BIRDS OR NESTING WERE FOUND

Project start date: 11-19-24 **Project end date:** 12-2-2024

Completed by: Name: Juan Rodarte Title: P.W.C.L Date: 12-2-2024

Approved by: Name: [signature] Title: FCCS Date: 12-03-24

2024-2025

WO# 892 3975 - F200 2067- AF 22

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 0

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 0

Location/Channel Reach #: **Reach No. 10 Project No. 469 T.G.: 531- J7 TO 561- F1**

Permit Requirements: *Due to a recent toxic spill, no work was performed in November 1997, since virtually all of the vegetation was killed. Vegetation and dead vegetation will be mechanically removed to the extent necessary to prevent restricting flows in the storm drain upstream of Victory Boulevard. This will require clearing the channel for approximately 4,000 feet downstream of Victory Boulevard. The reach will be maintained clear of all vegetation during the dry season.*

The Operator shall not impact 2.11 acres of vegetation that was allowed to remain in the channel in 1997.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☒ ESC1 Scheduling
- ☐ ESC2 Preservation of Existing Vegetation
- ☐ ESC21 Dust Control
- ☐ ESC22 Temporary Stream Crossing
- ☐ ESC31 Temporary Drains and Swales
- ☐ ESC50 Silt Fence
- ☑ ESC51 Straw Bale Barriers
- ☐ ESC52 Sand Bag Barriers

Disposition: - Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NO BMP NEED WATER FLOW DID NOT REACH L.A DIVER

Biologist on site: ☐ **Yes** ☒ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Juan Rodarte Title: P.W.C.L Date: 12-2-2024

Approved by: Name: Michael G. Olmos Title: FCCS Date: 12-03-24

2024-2025

WO# 892 3975 - F200 2067- AF 22

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach #: **Reach No. 10 Project No. 469 T.G.: 531- J7 TO 561- F1**

Permit Requirements: *Due to a recent toxic spill, no work was performed in November 1997, since virtually all of the vegetation was killed. Vegetation and dead vegetation will be mechanically removed to the extent necessary to prevent restricting flows in the storm drain upstream of Victory Boulevard. This will require clearing the channel for approximately 4,000 feet downstream of Victory Boulevard. The reach will be maintained clear of all vegetation during the dry season.*

The Operator shall not impact 2.11 acres of vegetation that was allowed to remain in the channel in 1997.

Description of Activity/Method of Implementation:

ALL WORK STARTED AT A REASONABLE TIME AS TO IMPACT NOISE LEVELS WHEN OPERATING EQUIPMENT

Disposition:
- _x_ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

BEFORE DURING AND AFTER PHOTOS WERE TAKEN AND DOWNLOADED INTO THE P DRIVE.

Completed by: Name: Juan Robayte Title: P.W.C.L Date: 12-2-2024

Approved by: Name: [signature] Title: FCCS Date: 12-03-24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**
Location/Channel Reach #: **Reach No. 12 Haines Cyn M.C.O** **T.G.: 503-F2**

Maintenance Plan:
Hand clear all vegetation in understory and lollipop trees. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 10-29-2024 **Project end date:** 10-29-24

Completed by: Name: Jorge Martinez Title: Supervisor Date: 10-29-24.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 10/29/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach #: **Reach No. 12 Haines Cyn M.C.O** **T.G.: 503-F2**

Maintenance Plan:
Hand clear all vegetation in understory and lollipop trees. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ WE-1 Wind Erosion Control
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-9 Straw Bale Barriers
- ☐ SS-2 Preservation of Existing Vegetation
- ☑ NS-4 Temporary Stream Crossing
- ☐ SC-1 Silt Fence
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Superviser Date: 10-29-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 10/29/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach #: **Reach No. 12 Haines Cyn M.C.O** **T.G.: 503-F2**

Maintenance Plan:
Hand clear all vegetation in understory and lollipop trees. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Superuser Date: 10-29-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 10/29/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Haines Cyn
Reach Number 12

Date	Air	H2O	Noise	Comment	Initial
10-29-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**
Location/Channel Reach #: **Reach No.13 Project 5215 unit 1** **T.G.: 503-B2**

Permit Requirements:
The channel clearing work involve mechanical clearing the earthen outlet channel with a backhoe and hand cutting all vegetation from the first 250 feet of channel bottom (12-feet wide) downstream at the end of Christie Avenue. Bank vegetation and the remaining 300 feet of channel will not be cleared.

Description of Activity/Method of Implementation:

CREW WILL BE REMOVING VEGETATION USING 2-CYCLE WEED WIPES AND HAND TOOLS SUCH AS LEAF RAKES, HOES AND LOPPERS. ALL VEGETATION REMOVED WILL BE REMOVED ON A 13 SERIES STAKE BED TRUCK AND HAULED AWAY.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

DUST CONTROL MINIMAL.

Project start date: 10-7-2024 **Project end date:** 10-7-2024

Completed by: Name: TOM MILLER Title: PWCL Date: 1-29-25

Approved by: Name: Benny Miranda Title: CS Date: 1/29/25

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** N/A

Location/Channel Reach #: **Reach No.13 Project 5215 unit 1** **T.G.: 503-B2**

Permit Requirements:
The channel clearing work involve mechanical clearing the earthen outlet channel with a backhoe and hand cutting all vegetation from the first 250 feet of channel bottom (12-feet wide) downstream at the end of Christie Avenue. Bank vegetation and the remaining 300 feet of channel will not be cleared.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ ESC1 Scheduling
- ☑ ESC21 Dust Control
- ☐ ESC31 Temporary Drains and Swales
- ☐ ESC51 Straw Bale Barriers
- ☐ ESC2 Preservation of Existing Vegetation
- ☐ ESC22 Temporary Stream Crossing
- ☐ ESC50 Silt Fence
- ☐ ESC52 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NOTE: NO WATER AT TIME OF SCHEDULED MAINTENANCE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** N/A

Biologist Comments/Instructions:

Completed by: Name: TOM MILLER Title: PWCL Date: _____

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach #: **Reach No.13 Project 5215 unit 1** **T.G.: 503-B2**

Permit Requirements:
The channel clearing work involve mechanical clearing the earthen outlet channel with a backhoe and hand cutting all vegetation from the first 250 feet of channel bottom (12-feet wide) downstream at the end of Christie Avenue. Bank vegetation and the remaining 300 feet of channel will not be cleared.

Description of Activity/Method of Implementation:

HAND CUTTING WITH HAND TOOLS AND WEED WHIPPING TO REMOVE OVERGROWTH VEGETATION.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NOTE: CREW WILL NOT START WORK UNTIL AFTER 8AM TO KEEP NOISE LEVEL DOWN.

Completed by: Name: TOM MILLER Title: PWL Date: _____

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**
Location/Channel Reach #: **Reach No.14 May Chan. (M.C.O. into Pacoima Cyn.)** **T.G.: 482-E3**

Permit Requirements:
Hand clearing work will be performed to keep reach clear of all vegetation.

The Operator shall not impact the 0.5-acre of vegetation that was allowed to remain in 1997.

Description of Activity/Method of Implementation:

CREW WILL BE REMOVING VEGETATION USING 2 CYCLE WEED WIPES AND HAND TOOLS SUCH AS LEAF RAKES, HOES AND LOPPERS. ALL VEGETATION REMOVED WILL BE LOADED ON TO A 13 SERIES STAKE BED TRUCK AND HAULED AWAY TO THE DUMP.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NO WIND, DUST CONTROL MANAGEABLE.

Project start date: 10-2-2024 **Project end date:** 10-8-2024

Completed by: Name: TOM MILLER Title: PWCL Date: 1-29-25

Approved by: Name: [signature] Title: CS Date: 1/29/25

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** N/A

Location/Channel Reach#: **Reach No.14 May Chan. (M.C.O. into Pacoima Cyn.)** **T.G.: 482-E3**

Permit Requirements:
Hand clearing work will be performed to keep reach clear of all vegetation.

The Operator shall not impact the 0.5-acre of vegetation that was allowed to remain in 1997.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ ESC1 Scheduling
- ☑ ESC2 Preservation of Existing Vegetation
- ☑ ESC21 Dust Control
- ☐ ESC22 Temporary Stream Crossing
- ☐ ESC31 Temporary Drains and Swales
- ☐ ESC50 Silt Fence
- ☑ ESC51 Straw Bale Barriers (AS NEEDED)
- ☐ ESC52 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
BIOLOGIST WILL BE ON SITE, CREW WILL FOLLOW RECOMMENDATION.

Biologist on site: ☑ **Yes** ☐ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: TOM MILLER Title: PWCL Date: _____

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach #: **Reach No.14 May Chan. (M.C.O. into Pacoima Cyn.) T.G.: 482-E3**

Permit Requirements:
Hand clearing work will be performed to keep reach clear of all vegetation.

The Operator shall not impact the 0.5-acre of vegetation that was allowed to remain in 1997.

Description of Activity/Method of Implementation:

HAND CUTTING AND WEED WHIPPING TO REMOVE OVERGROWTH

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

FOLLOWING BIOLOGIST RECOMMENDATIONS.

Completed by: Name: TOM MILLER Title: PWCL Date: _____

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No.15 Pacoima Wash T.G.: 531-H1 TO J3**

Permit Requirements:
Mechanical equipment and hand cutting will be used to keep the reach cleared of all vegetation.

The Operator shall not impact 0.01 acre of vegetation that was allowed to remain in 1997.

Description of Activity/Method of Implementation:

CLEARED AND STOCK PILED VEGETATION, USING A RENTAL LONG REACH EXCAVATOR. ALL DEBRIS WERE LOADED ONTO 10 YARD TRUCKS AND HAULED TO THE DUMP.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

DUST WAS VERY MINIMAL.

Project start date: 9-16-2024 **Project end date:** 10-17-2024

Completed by: Name: TOM MILLER Title: PWCL Date: 1-29-25

Approved by: Name: [signature] Title: CS Date: 1/29/25

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** N/A

Location/Channel Reach#: **Reach No.15 Pacoima Wash** **T.G.: 531-H1 TO J3**

Permit Requirements:
Mechanical equipment and hand cutting will be used to keep the reach cleared of all vegetation.

The Operator shall not impact 0.01 acre of vegetation that was allowed to remain in 1997.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ ESC1 Scheduling
- ☐ ESC2 Preservation of Existing Vegetation
- ☑ ESC21 Dust Control
- ☐ ESC22 Temporary Stream Crossing
- ☑ ESC31 Temporary Drains and Swales
- ☐ ESC50 Silt Fence
- ☑ ESC51 Straw Bale Barriers
- ☑ ESC52 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
STRAW BALES INSTALLED WITH SAND BAGS THROUGHOUT THE WHOLE REACH 15.

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:
BIOLOGIST INSPECTED SITE BEFORE WORK STARTED

Completed by: Name: TOM MILLER Title: PWCL Date: _____

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach #: **Reach No.15 Pacoima Wash** **T.G.: 531-H1 TO J3**

Permit Requirements:
Mechanical equipment and hand cutting will be used to keep the reach cleared of all vegetation.

The Operator shall not impact 0.01 acre of vegetation that was allowed to remain in 1997.

Description of Activity/Method of Implementation:

VEGETATION REMOVED USING A LONG REACH EXCAVATOR.
ALL EQUIPMENT STAYED ON TOP ON THE RIGHT OF WAY

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

ALL VEGETATION WAS HAULED AWAY TO THE DUMP.

Completed by: Name: TOM MILLER Title: PWCL Date: _____

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 16 Verdugo Wash-Las Barras Cyn (Channel Inlet)** **T.G.: 504-C7**

Maintenance Plan:
Hand clear all understory vegetation. The tree canopy will remain. Clear trash, debris, and non -native vegetation by hand within easement boundary

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-18-2024 **Project end date:** 9-18-24

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 16 Verdugo Wash-Las Barras Cyn (Channel Inlet)** **T.G.: 504-C7**

Maintenance Plan:
Hand clear all understory vegetation. The tree canopy will remain. Clear trash, debris, and non -native vegetation by hand within easement boundary

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach #: **Reach No. 16 Verdugo Wash-Las Barras Cyn (Channel Inlet)** **T.G.: 504-C7**

Maintenance Plan:
Hand clear all understory vegetation. The tree canopy will remain. Clear trash, debris, and non -native vegetation by hand within easement boundary

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Verdugo wash
Reach Number #16

Date	Air	H2O	Noise	Comment	Initial
9-18-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 18 Engleheard Channel** **T.G.: 534- F3 To G3**

Maintenance Plan:
Hand clear all vegetation and tree branches from the invert between the pipe and the wire revetments. Allow native shrub species to grow and become established on the banks, above the pipe and wire revetments. Protect native shrub species by selectively removing non-native weedy species. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-18-2024 **Project end date:** 9-18-24

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No.19 Pickens Cyn T.G.: 504-H5 To 534-H1**

Maintenance Plan:
This is a MMPP reach and subject to change after study is concluded. Hand clear all vegetation adjacent to the crib structures and all vegetation growing out of them. Allow native shrubs, but not trees, to grow in the invert of the channel except on the crib structures. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 11-5-24 **Project end date:** 11-05-24

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 11-05-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 11/5/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No.19 Pickens Cyn** **T.G.: 504-H5 To 534-H1**

Maintenance Plan:
This is a MMPP reach and subject to change after study is concluded. Hand clear all vegetation adjacent to the crib structures and all vegetation growing out of them. Allow native shrubs, but not trees, to grow in the invert of the channel except on the crib structures. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☐ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 11-05-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 11/05/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No.19 Pickens Cyn** **T.G.: 504-H5 To 534-H1**

Maintenance Plan:
This is a MMPP reach and subject to change after study is concluded. Hand clear all vegetation adjacent to the crib structures and all vegetation growing out of them. Allow native shrubs, but not trees, to grow in the invert of the channel except on the crib structures. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Rodolfo Rosas Title: Superviser Date: 11-05-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 11/5/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Pickens. Cyn.
Reach Number 19

Date	Air	H2O	Noise	Comment	Initial
11-05-24	✓	✓	✓	NONE	R.R

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 18 Engleheard Channel** **T.G.: 534- F3 To G3**

Maintenance Plan:
Hand clear all vegetation and tree branches from the invert between the pipe and the wire revetments. Allow native shrub species to grow and become established on the banks, above the pipe and wire revetments. Protect native shrub species by selectively removing non-native weedy species. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: supervisor Date: 9-18-24

Approved by: Name: Jorge Jimenez Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 18 Engleheard Channel** **T.G.: 534- F3 To G3**

Maintenance Plan:
Hand clear all vegetation and tree branches from the invert between the pipe and the wire revetments. Allow native shrub species to grow and become established on the banks, above the pipe and wire revetments. Protect native shrub species by selectively removing non-native weedy species. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Engleheard channel
Reach Number # 18

Date	Air	H2O	Noise	Comment	Initial
9-18-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 20 Webber Chan. (strm @ private bridge)** **T.G.: 504-J7**

Maintenance Plan:
This is a MMPP reach and subject to change after study is concluded. Mechanical equipment will be used to selectively remove non-native and invasive species. Allow native vegetation/shrubs to grow in the invert and on the channel banks, but not trees. Do not allow additional oaks or other trees to grow on banks. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-18-2024 **Project end date:** 9-18-2024

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-24.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 20 Webber Chan. (strm @ private bridge)** **T.G.: 504-J7**

Maintenance Plan:
This is a MMPP reach and subject to change after study is concluded. Mechanical equipment will be used to selectively remove non-native and invasive species. Allow native vegetation/shrubs to grow in the invert and on the channel banks, but not trees. Do not allow additional oaks or other trees to grow on banks. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 20 Webber Chan. (strm @ private bridge)** **T.G.: 504-J7**

Maintenance Plan:
This is a MMPP reach and subject to change after study is concluded. Mechanical equipment will be used to selectively remove non-native and invasive species. Allow native vegetation/shrubs to grow in the invert and on the channel banks, but not trees. Do not allow additional oaks or other trees to grow on banks. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name webber channel
Reach Number # 20

Date	Air	H2O	Noise	Comment	Initial
9-18-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 21 Webber Channel (Main channel inlet D/S Bridge)** **T.G.: 505- J7**

Maintenance Plan:
This is a MMPP reach and subject to change after study is concluded. Hand clear only non-native and invasive species. Allow native vegetation/shrubs to grow in the invert and on the channel banks, but not trees. Do not allow additional oaks or other trees to grow on banks. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-18-2024 **Project end date:** 9-18-2024

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 21 Webber Channel (Main channel inlet D/S Bridge)** **T.G.: 505- J7**

Maintenance Plan:
This is a MMPP reach and subject to change after study is concluded. Hand clear only non-native and invasive species. Allow native vegetation/shrubs to grow in the invert and on the channel banks, but not trees. Do not allow additional oaks or other trees to grow on banks. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-21

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/18/21

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 21 Webber Channel** **T.G.: 505- J7**
(Main channel inlet D/S Bridge)

Maintenance Plan:
This is a MMPP reach and subject to change after study is concluded. Hand clear only non-native and invasive species. Allow native vegetation/shrubs to grow in the invert and on the channel banks, but not trees. Do not allow additional oaks or other trees to grow on banks. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name webber channel
Reach Number # 21

Date	Air	H2O	Noise	Comment	Initial
9-18-24	✓	✓	✓	NONE	J. M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 22 Halls Canyon** **T.G.: 534- J1**

Maintenance Plan:
Except for on the crib structures, allow native shrubs (but no trees) to grow on the invert of the entire length of the channel. Protect native shrubs by selectively hand clearing non-native vegetation. Native trees will not be allowed to mature on the channel invert. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 11-05-2024 **Project end date:** 11-05-2024

Completed by: Name: Jorge Martinez Title: Superv Ser Date: 11-05-2024

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 11/5/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 22 Halls Canyon** **T.G.: 534- J1**

Maintenance Plan:
Except for on the crib structures, allow native shrubs (but no trees) to grow on the invert of the entire length of the channel. Protect native shrubs by selectively hand clearing non-native vegetation. Native trees will not be allowed to mature on the channel invert. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 11-05-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 11/5/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 22 Halls Canyon** **T.G.: 534- J1**

Maintenance Plan:
Except for on the crib structures, allow native shrubs (but no trees) to grow on the invert of the entire length of the channel. Protect native shrubs by selectively hand clearing non-native vegetation. Native trees will not be allowed to mature on the channel invert. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez. Title: Supervisor Date: 11-05-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 11/05/24

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 24 (Compton Creek)
Impact Issue:	Air Quality
Mitigation Measure No:	1

Permit Requirements:
Removal of all vegetation from the reach and/or restoration of the channel's hydraulic conveyance capacity by driving tracked equipment over vegetated areas. The LACFCD will inspect and mechanically remove accumulated sediment, debris, and all vegetation in the reach to ensure the proper functioning of the flood-control infrastructure. Weeds and grasses may be controlled by mowing or hand labor. The reach will be cleared annually to the same baseline condition as that approved for clearing activities. Reach work will also include mechanical grading to train flows to the centerline of the reach.

Description of Activity/Method of Implementation:
Vegetation was mowed and all exotic/invasive vegetation were removed by mechanical and hand tools. Mechanical grading to train flows to the centerline was not conducted this year. Minimal amount of dust was generated. Water trucks were used for dust suppression when needed.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 9/16/24 **Project End Date:** 10/24/24

Completed by:

Name:	Mike Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 24 (Compton Creek)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	27 tons

Permit Requirements:
The permit requires that we monitor water quality at upstream, midpoint and downstream limits when water is flowing in the channel.

Description of Activity/Method of Implementation:
Water sampling was conducted before, during and after during all clearing activity. Vegetation was mowed and all exotic/invasive vegetation were removed by mechanical and hand tools. All equipment and trucks had their tires and undercarriage washed before leaving the site. BMP's were implemented to maintain water quality. The following Best Management Practice were deemed to be applicable and were implemented:

- SS-1 Scheduling
- SS-2 Preservation of Existing Vegetation
- WE-1 Wind Erosion Control
- SS-8 Sandbag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Biologist on Site: No **Date on Site:** _____

Comments/Revisions:
Work was done in the channel avoiding water. Water Quality Sampling results provided in Annual Report.

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 24 (Compton Creek)
Impact Issue:	Noise
Mitigation Measure No:	3

Permit Requirements:
There are no permit requirements requiring mitigation of noise levels.

Description of Activity/Method of Implementation:
Vegetation was mowed and all exotic/invasive vegetation were removed by mechanical and hand tools. Activity in the reach maintained moderate noise levels during the daily working hours (Mon-Sat, 7am-4pm). Hand crews and equipment did not have any significant noise problems and we received no complaints from businesses or homeowners.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name Compton Creek
Reach Number 24

Date	Air	H2O	Noise	Comment	Initial
9/16/24	GOOD	GOOD	GOOD	Straw booms set at confluence of Compton creek and LA River. 12 employees assisted with task. Water sampling was completed and cleared to begin work. Equipment transfers and mowing has begun.	RN
9/17/24	GOOD	GOOD	GOOD	Continued at Compton creek. 11 employees assisted. 3 skid steer mowers, two excavator mowers, one water truck and 5 ground guys. Ground guys continued with the removal of castor bean and equipment continued mowing. Garo from water sampling cleared job site.	RN
9/18/24	GOOD	GOOD	GOOD	Continued at Compton creek. 16 employees assisted. 4 skid steer mowers, two excavator mowers, one water truck and 9 ground guys. Ground guys continued with the removal of castor bean and equipment continued mowing. Garo from water sampling cleared job site.	RN
9/19/24	GOOD	GOOD	GOOD	Continued at Compton creek. 14 employees assisted. 3 skid steer mowers, two excavator mowers, one water truck and 11 ground guys. Ground guys continued with the removal of castor bean and equipment continued mowing.	RN
9/20/24	GOOD	GOOD	GOOD	Continued at Compton creek. 16 employees assisted. 4 skid steer mowers, 2 excavator mowers, one water truck and 10 ground guys. Ground guys continued with the removal of castor bean and equipment continued mowing.	RN
9/21/24	GOOD	GOOD	GOOD	Continued at Compton creek. 14 employees assisted. 3 skid steer mowers, 1 water truck and 10 ground guys. Ground guys continued with the removal of castor bean and equipment continued mowing now downstream of Santa Fe.	RN
9/23/24	GOOD	GOOD	GOOD	Continued at Compton creek. 12 employees assisted. 3 skid steer mowers, 1 water truck, 1 excavator flail mower, 7 ground guys. Ground guys continued with the removal of castor bean/ slopes and equipment continued mowing downstream of Santa Fe.	RN

9/25/24	GOOD	GOOD	GOOD	Continued at Compton creek. 11 employees assisted. 3 skid steer mowers, 1 water truck, 1 excavator flail mower, 6 ground guys. Ground guys continued with the removal of castor bean/ slopes and equipment continued mowing downstream of Santa Fe.	RN
9/26/24	GOOD	GOOD	GOOD	Continued at Compton creek. 11 employees assisted. 3 skid steer mowers, 1 water truck, 1 excavator flail mower, 6 ground guys. Ground guys continued with the removal of castor bean/ slopes and equipment continued mowing downstream of Santa Fe.	RN
9/27/24	GOOD	GOOD	GOOD	Continued at Compton Creek D/S of Santa Fe with mowing. Three skid steer and two excavator flail mowers.	RN
9/28/24	GOOD	GOOD	GOOD	Continued at Compton creek. 4 employees assisted. 4 skid steer mowers. Equipment continued mowing.	RN
9/30/24	GOOD	GOOD	GOOD	Continued at Compton creek. 12 employees assisted. 4 skid steer mowers, 8 ground guys. Ground guys continued with the removal of vegetation and equipment continued mowing. Garo from water sampling cleared job site.	RN
10/1/24	GOOD	GOOD	GOOD	Continued at Compton creek. 13 employees assisted. 4 skid steer mowers, 2 excavator mowers, 1 water truck and 6 ground guys. Ground guys continued with the removal of vegetation on slopes and equipment continued mowing.	RN
10/2/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 12 employees assisted. 2 skid steers, 2 excavators, 1 dump truck and 1 water truck. 6 ground guys continued with vegetation on slopes. Garo sampled and reported his findings.	RN
10/3/24	GOOD	GOOD	GOOD	Continued at Compton Creek, crews have now begun downstream of Santa Fe. 9 employees assisted. 2 skid steers, 2 excavators. 5 ground guys continued with vegetation on slopes.	RN
10/4/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 9 employees assisted. 2 skid steers, 2 excavators. 5 ground guys continued with vegetation on slopes.	RN
10/5/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 10 employees assisted. 1 skid steer, 1 excavator, 1 dump truck and 1 loader. 6 ground guys continued with vegetation on slopes.	RN

10/7/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 12 employees assisted. 2 skid steers, 2 excavators, 1 dump truck and 1 water truck. 6 ground guys continued with vegetation on slopes. Garo from water sampling cleared job site.	RN
10/8/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 12 employees assisted. 2 skid steers, 2 excavators, 1 dump truck and 1 water truck. 6 ground guys continued with vegetation on slopes.	RN
10/9/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 12 employees assisted. 2 skid steers, 2 excavators, 1 dump truck and 1 water truck. 6 ground guys continued with vegetation on slopes.	RN
10/10/24	GOOD	GOOD	GOOD	Continued at Compton Creek, crews have now begun downstream of Del Amo. 12 employees assisted. 2 skid steers, 2 excavators, 1 dump truck and 1 water truck. 6 ground guys continued with vegetation on slopes.	RN
10/11/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 15 employees assisted. 2 skid steers, 2 excavators, 1 loader, 1 dump truck and 1 water truck. 8 ground guys continued with vegetation on slopes.	RN
10/12/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 8 employees assisted. 1 skid steer, 1 excavator. 6 ground guys continued with vegetation on slopes.	RN
10/15/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 10 employees assisted. 2 excavators 1 loader, 1 dump truck and 6 ground guys continued with vegetation on slopes. Garo from water sampling cleared job site.	RN
10/16/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 7 employees assisted. 1 excavator and 6 ground guys continued with vegetation on slopes.	RN
10/17/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 9 employees assisted. 2 excavators and 7 ground guys continued with vegetation on slopes.	RN
10/18/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 12 employees assisted. 2 excavators and 7 ground guys continued with vegetation on slopes.	RN

10/19/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 11 employees assisted. 1 loader, 2 excavators, 1 dump truck and 7 ground guys continued with vegetation on slopes.	RN
10/21/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 3 employees assisted. 1 skid steer, 2 excavators, mowing the low flow.	RN
10/22/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 1 excavator, 1 loader and 1 dump truck. Nearing the end. Mowing the low flow and loading out trash. Garo from water sampling cleared job site.	RN
10/23/24	GOOD	GOOD	GOOD	Continued at Compton Creek. 2 excavators finishing the mowing of the low flow.	RN
10/24/24	GOOD	GOOD	GOOD	Last day at Compton creek. No more mowing today just moving all equipment to LA River.	RN

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 25 (Los Angeles River- East)
Impact Issue:	Air Quality
Mitigation Measure No:	1

Permit Requirements:
Los Angeles River – Willow Street to Pacific Coast Highway, using mechanical equipment, all exotic/invasive vegetation will be removed throughout this reach. Weeds and grasses may be controlled by mowing or hand labor. The reach will be cleared annually to the same baseline condition as that of November 1997.

Description of Activity/Method of Implementation:
Vegetation was mowed and all exotic/invasive vegetation were removed by mechanical and hand tools. Minimal dust was generated. Water trucks were used for dust suppression when needed.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 10/31/24 **Project End Date:** 11/6/24

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 25 (Los Angeles River - East)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	20 tons

Permit Requirements:
The permit requires that we monitor water quality at upstream, midpoint and downstream limits when water is flowing in the channel.

Description of Activity/Method of Implementation:
Water sampling was conducted before, during, and after during all clearing activity. Vegetation was mowed and all exotic/invasive vegetation were removed by mechanical and hand tools. All equipment and trucks had their tries and undercarriage cleaned before leaving the site. BMP's were implemented to maintain water quality. The following Best Management Practices were deemed to be applicable and were implemented:

- SS-1 Scheduling
- SS-2 Preservation of Existing Vegetation
- WE-1 Wind Erosion Control
- SS-8 Sand bag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Biologist on Site: No **Date on Site:** During site activity

Comments/Revisions:
Work was done in the channel avoiding water. Water Quality Sampling results provided in Annual Report.

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERMAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 25 (Los Angeles River - East)
Impact Issue:	Noise
Mitigation Measure No:	3

Permit Requirements:
There are no permit requirements requiring mitigation of noise levels.

Description of Activity/Method of Implementation:
Vegetation was mowed and all exotic/invasive vegetation were removed by mechanical and hand tools. Activity in the reach maintained minimal noise during the daily working hours. Activity in the reach maintained moderate noise levels during the daily working hours (Mon-Sat, 7am-4pm). Hand crews and equipment did not have any significant noise problems and we received no complaints from businesses or homeowners.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEMN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name LA River East
Reach Number 25

Date	Air	H2O	Nois	Comment	Initial
10/31/24	GOOD	GOOD	GOOD	1 skid steer mowing Eastside of river	ET
11/1/24	GOOD	GOOD	GOOD	1skid steer mowing Eastside of river 1Excavator mowing	ET
11/4/24	GOOD	GOOD	GOOD	1Excavator mowing Eastside	ET
11/5/24	GOOD	GOOD	GOOD	2 Excavators mowing Eastside	ET
11/6/24	GOOD	GOOD	GOOD	Debris removal Eastside Work Completed	ET

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 25 (Los Angeles River- West)
Impact Issue:	Air Quality
Mitigation Measure No:	1

Permit Requirements:
Los Angeles River – Willow Street to Pacific Coast Highway, using mechanical equipment, all exotic/invasive vegetation will be removed throughout this reach. Weeds and grasses may be controlled by mowing or hand labor. The reach will be cleared annually to the same baseline condition as that of November 1997.

Description of Activity/Method of Implementation:
Vegetation was mowed and all exotic/invasive vegetation were removed by mechanical and hand tools. Minimal dust was generated. Water trucks were used for dust suppression when needed.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 10/24/24 **Project End Date:** 11/5/24

Completed by:	
Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:	
Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 25 (Los Angeles River - West)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	7 tons

Permit Requirements:
The permit requires that we monitor water quality at upstream, midpoint and downstream limits when water is flowing in the channel.

Description of Activity/Method of Implementation:
Water sampling was conducted before, during, and after during all clearing activity. Vegetation was mowed and all exotic/invasive vegetation were removed by mechanical and hand tools. All equipment and trucks had their tries and undercarriage cleaned before leaving the site. BMP's were implemented to maintain water quality. The following Best Management Practices were deemed to be applicable and were implemented:

- SS-1 Scheduling
- SS-2 Preservation of Existing Vegetation
- WE-1 Wind Erosion Control
- SS-8 Sand bag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Biologist on Site: No **Date on Site:** During site activity

Comments/Revisions:
Work was done in the channel avoiding water. Water Quality Sampling results provided in Annual Report.

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 25 (Los Angeles River – West)
Impact Issue:	Noise
Mitigation Measure No:	3

Permit Requirements:
There are no permit requirements requiring mitigation of noise levels.

Description of Activity/Method of Implementation:
Vegetation was mowed and all exotic/invasive vegetation were removed by mechanical and hand tools. Activity in the reach maintained minimal noise during the daily working hours. Activity in the reach maintained moderate noise levels during the daily working hours (Mon-Sat, 7am-4pm). Hand crews and equipment did not have any significant noise problems and we received no complaints from businesses or homeowners.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name LA River West
Reach Number 25

Date	Air	H2O	Nois	Comment	Initial
10/24/24	GOOD	GOOD	GOOD	LA River water sampling was completed, shaker plates were placed 2 mowers mowing has begun mowing westside 6 employes working the grounds removing castor bean	ET
10/25/24	GOOD	GOOD	GOOD	2 mowers mowing 1 excavator mowing westside 9 employes working the grounds removing castor bean	ET
10/26/24	GOOD	GOOD	GOOD	2 mowers mowing 1 excavator mowing westside 7 employes working the grounds removing castor bean 1 dump truck 1 loader loading truck in river with castor bean	RN
10/28/24	GOOD	GOOD	GOOD	2 mowers mowing 2 excavators mowing westside 6 employes working the grounds removing castor bean 1 dump truck 1 loader loading truck in river with castor bean 1 truck loading up on roadway	ET
10/29/24	GOOD	GOOD	GOOD	2 mowers mowing 2 excavators mowing westside 5 employes working the grounds removing castor bean 1 dump truck 1 loader loading truck in river with castor bean 1 truck loading up on roadway	ET
10/30/24	GOOD	GOOD	GOOD	2 mowers mowing 1 excavator mowing westside 8 employes working the grounds removing castor bean 1 dump truck 1 loader loading truck in river with castor bean 1 truck loading up on roadway	ET
10/31/24	GOOD	GOOD	GOOD	2 mowers mowing 1 excavator mowing westside 4 employes working the grounds removing castor bean 1 dump truck 1 loader loading truck in river 4 employes clearing road	ET

11/1/24	GOOD	GOOD	GOOD	2 mowers mowing eastside 1 excavator mowing westside 11 employes working the west side grounds removing castor bean 1 dump truck 1 loader loading truck in river with castor bean 1 truck loading up on roadway	ET
11/2/24	GOOD	GOOD	GOOD	1 mower mowing eastside 1 excavator mowing westside 11 employes working the west side grounds removing castor bean 1 dump truck 1 skid steer loading truck in river with castor bean 1 truck loading up on roadway, 1skid steer down	GU
11/4/24	GOOD	GOOD	GOOD	2 mowers mowing westside 7 employes working the grounds removing castor bean 1 dump truck 1 loader loading truck in river 4 employes clearing road 1 skid steer down	ET
11/5/24	GOOD	GOOD	GOOD	2mower mowing westside	ET

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 26 (Project 74)
Impact Issue:	Air Quality
Mitigation Measure No:	1

Permit Requirements:
Project 74 – 500-feet Upstream of Artesia Boulevard to Dominguez Channel. The channel will be cleared using hand manual labor. Hand Labor will be used to trim the vegetation which has been allowed to remain. New growth will not be allowed to become established and will be removed annually by manual methods.

Description of Activity/Method of Implementation:
Air quality was fair to good during working hours. The crews worked with hand tools to remove vegetation and trimming tools to cut bushes. Trees were trimmed, and non-native trees removed. Debris was put onto tarps, pulled to the asphalt driveway. Equipment was used to pick up the debris and loaded on dump trucks. The dump trucks hauled away the debris to a local landfill transfer station. Minimal amount of dust was generated.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 09/16/24 **Project End Date:** 10/3/24

Completed by:

Name:	David Parada DAVID PARADA
Title:	C.S.
Date:	5-6-25

Approved by:

Name:	EDEN BERMAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 26 (Project 74)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	120 tons

Permit Requirements:
The permit requires that we monitor water quality at upstream, midpoint and downstream limits when water is flowing in the channel.

Description of Activity/Method of Implementation:
Water sampling was conducted before, during and after during all clearing activity. Proper vegetation removal methods were conducted at Project 74 not to impact water quality sampling. The crews worked with hand tools to remove ground vegetation and trimming tools to cut brushes. Trees were trimmed, and non-native trees removed. All equipment and hand tools cleaned before leaving the site to maintain water quality.

The following Best Management Practice were also deemed to be applicable and implemented:

- SS-1 Scheduling
- SS-2 Preservation of Existing Vegetation
- WE-1 Wind Erosion Control
- SS-8 Sandbag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Biologist on Site: No **Date on Site:** During site activity

Comments/Revisions:
Work was done in the channel avoiding water quality impacts. Water Quality Sampling results provided in Annual Report.

Completed by:

Name:	David Pardo
Title:	C.S.
Date:	5-6-25

Approved by:

Name:	EDEN BERMAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. (Project 74)
Impact Issue:	Noise
Mitigation Measure No:	3

Permit Requirements:
There are no permit requirements requiring mitigation of noise levels.

Description of Activity/Method of Implementation:
We had trimming crews working ahead of crews clearing ground vegetation. The ground clearing crews were using manual tools to remove overgrowth along the hillsides, fence line and around outlets. Activity in the reach maintained moderate noise levels during the daily working hours (Mon-Sat, 7am-4pm). Hand crews and equipment did not have any significant noise problems and we received no complaints from businesses or homeowners.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	David Pardo
Title:	C.S.
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name Project 74
Reach Number 26

Date	Air	H2O	Noise	Comment	Initial
9-16-24	Good	5.22 Good	Low	Every thing is going good water Reading is high but normal	RBJ
9-17-24	Good	6.41 Good	Low	Every thing is going Good Reading is high but ok	RBJ
9-18-24	Good	N/A	Low	Every thing is going Good no water Reading today.	RBJ
9-19-24	Good	13.0	Low	Every thing is going Good water Reading is high	RBJ
9-20-24	Good	20.4	Low	Every things is going well, water Level is high but normal we can do.	RBJ
9-21-24	Good	21.3	Low	Everything is going good, water is still high with check & tule piles	RBJ
9-23-24	Good	4.00	Low	Everything is Good water level is Good.	RBJ
9-25-24	Good		Low	Everything is going Good No setbacks	RBJ
9-26-24	Good		Low	Everything is on track no issues.	RBJ
9-27-24	Good		Low	Everything is good no issues.	RBJ
9-28-24	Good		Low	Everything runs is smoothly no issues.	RBJ
9-30-24	Good	23.7	Low	Everything is going Good no issues.	RBJ
10-3-24	Good		Low	Everything is Good NO issues. (Completed work)	RBJ

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Hall S Canyon
Reach Number 22

Date	Air	H2O	Noise	Comment	Initial
11-05-24	✓	✓	✓	NONE	J.M.

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 27 (Wilmington Drain)
Impact Issue:	Air Quality
Mitigation Measure No:	1

Permit Requirements:
All vegetation from the reach in the area upstream of Lomita Boulevard will be kept cleared. Between Lomita Boulevard and Pacific Coast Highway (PCH), vegetation will be kept clear from two reaches, but vegetation on the island and on the reach banks will remail. Clearing work in the reach invert will be done with mechanical equipment. Vegetation on the banks (from toe up to 3 feet) will be trimmed with hand tools so that it does not impede flow on the invert.

Description of Activity/Method of Implementation:
All vegetation from the reach in the area upstream of Lomita Boulevard was cleared. Clearing work in the invert downstream of Lomita to PCH was completed using mechanical equipment. Vegetation on the lower banks was trimmed up to 3 feet with hand tools so that it did not impeded flow. Minimal dust generated. Water trucks were used for dust suppression as necessary.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 10/3/24 **Project End Date:** 10/22/24

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERMAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 27 (Wilmington Drain)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	45 tons

Permit Requirements:
The permit requires that we monitor water quality at upstream, midpoint and downstream limits when water is flowing in the channel.

Description of Activity/Method of Implementation:
Water quality sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB) for flowing water. Clearing work in the invert downstream of Lomita to PCH was completed using mechanical equipment. Vegetation on the lower banks was trimmed up to 3 feet with hand tools so that it did not impede flow. A biologist was on-site during clearing activities. Decontamination measures were trucks had their tires and undercarriage cleaned before leaving the site. BMPs were implemented to maintain water quality. The following Best Management Practices were deemed to be applicable and were implemented:

- SS-1 Scheduling
- SS-2 Preservation of Existing Vegetation
- WE-1 Wind Erosion Control
- SS-8 Sandbag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Biologist on Site: Yes **Date on Site:** During site activity

Comments/Revisions:
Work was done in the channel avoiding water.

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 27 (Wilmington Drain)
Impact Issue:	Noise
Mitigation Measure No:	3

Permit Requirements:
There are no permit requirements requiring mitigation of noise levels.

Description of Activity/Method of Implementation:
All vegetation from the reach in the area upstream of Lomita Boulevard was cleared. Clearing work in the invert downstream of Lomita to PCH was completed using mechanical equipment. Vegetation on the lower banks was trimmed up to 3 feet with hand tools so that it did not impede flow. Activity in the reach maintained moderate noise levels during the daily working hours (Mon-Sat, 7am-4pm). Hand crews and equipment did not have any significant noise problems, and we received no complaints from businesses or homeowners.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	W. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name Wilmington Drain
Reach Number 27

Date	Air	H2O	Noise	Comment	Initial
10/3/24	moderate	Good	moderate	OAK Ridge will be refueling skidsteer with drip pan or pad. Ground crew will be using battery tools. Skidsteer will be off when not in use.	G.U
10/4/24	moderate	Good	moderate	" " "	G.U
10/7/24	moderate	Good	moderate	" " "	G.U
10/8/24	moderate	Good	moderate	" " "	G.U
10/9/24	moderate	Good	moderate	" " "	G.U
10/10/24	moderate	Good	moderate	" " "	G.U
10/11/24	moderate	Good	moderate	" " "	G.U
10/15/24	moderate	Good	moderate	" " "	G.U
10/16/24	moderate	Good	moderate	" " "	G.U
10/17/24	moderate	Good	moderate	" " "	G.U
10/18/24	moderate	Good	moderate	" " "	G.U
10/21/24	moderate	Good	moderate	" " "	G.U

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name Wilmington Drain
Reach Number 27

Date	Air	H2O	Noise	Comment	Initial
10/22/24	moderate	Good	moderate	OAKridge will be refueling skidsteer with drip pan or pad. Ground crew will be using battery tools. Skidsteer will be shut off when not in use. JOB COMPLETED	G.U

NOTES:

10/3/24: START DATE Wilmington drainSDC Contractor OAKRidge started mowing N/o Lomita blvd. THey also have 4 grounds crew cuttins with battery operated hawd tools. Ground crew started cuttin easter bears along side WAlk of lomita fence line placing seeds in bags. Mower attachment broke. Tomorrow they will bring another. Biologist Name: ERIN

10-4-24

The foreman Jose Rodrigner got a flat tire on Freeway out in the valley, so they started late 8:50 Am. Crew continued cutting N/o Lomita blvd. Whenever battery operated tools are charging crew is using gas power tools and refueling with absorbent pads underneath. Biologist name: Trevor.

10-7-24

BiologistNAME: LINSEY. CRew continued cutting N/o Lomita blvd. CREWS had good progress, Skidsteer, Ground crew. The open field next to IIoFwy was completed today.

NOTES: 10-8-24 SCB Wilmington Drain
CREW continued cutting on N/o Lomita inside basin. CUTTING casted been plants. Mostly fine tunning hit and miss spots. Mower attachment has hydrolic leak. IT will be repaired tomorrow. Bioligist NAME: SARA.

10-9-24

OAKRidge started inside Wilmington drain N/o Lomita with skidsteer and ground crew. The westside basin was completed yesterday. N/o Lomita was completed today. Bioligist name: SARA.

10-10-24

Bioligist NAME: JONATHON. OAKRigde continued N/o Lomita blvd fine tunning ACCESS concrete driveway, N/o Lomita fully completed. S/o Lomita blvd was started at 10:00AM.

BiologistName: TREVOR. OAKRigdge will continue working S/o Lomita Blvd. Today 10-11-24, Skidsteer hydralic hose leak at 1:20 Pm. JOSE called mechanic to repair hose.

10-14-24 Holiday off
Biologist Jonathon was here with OAKRidge.

10-15-24

Biologist name: TREVOR. OAK Ridge still working along access road R/B. Ground crew reached 2nd ramp also mower skid steer. They first started this morning raking grass and clearing access road.

10-16-24

Biologist name: Jonathon. OAKRidge will continue along access ROAD R/B. No mowing with skidsteer today. All hand work. Ground crew got close to third ramp close to PCH Hwy 300'u/s of ramp.

10-17-24

Biologist NAME: SARA. OAKRidge continued cutting along access road close to PCH Hwy.
OPERATOR is loading brush into trash bin. OAKridge Crew completed R/B up to PCH Hwy. Tomorrow they will start L/B s/o Lomita blvd.

Biologist name: Sara. OAKridge started L/B s/o Lomita blvd. Next to fabricated homes. 10-18-24. Crew finished the day d/s of RAMP to channel

10-21-24

Biologist NAME: SOPHIE. OAKRidge continue cutting on slope. No skidsteer was used today.

10-22-24

Biologist name: Jonathon. OAKridge started cutting along condos property. Job was completed today.

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 28 Triunfo Ck (PD T2200)** **T.G.: 587 H-3**

Maintenance Plan:
Hand clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

All work was performed using hand/power tools, weed eaters, Hedge trimmers and pole saws. All power tools are equiped with approved exhaust. water truck used for dust control.

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 9-23-24 **Project end date:**_____

Completed by: Name: Richard Almanza Title: PWCL Date: 9-26-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: #: **Reach No. 28 Triunfo Ck (PD T2200)** **T.G.: 587 H-3**

Maintenance Plan:
Hand clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☒ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☐ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
Straw waddle Bmp not needed due to no water

Biologist on site: ☐ **Yes** ☒ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Richard Almanza Title: PWCL Date: 9-26-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: #: **Reach No. 28 Triunfo Ck (PD T2200)** **T.G.: 587 H-3**

Maintenance Plan:
Hand clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

All power tools are fitted with approved mufflers. Work was started after 7:00 am so residents were not disturbed

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Completed by: Name: Richard Almanza Title: PW C Date: 9-26-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name TRIUNFO CREEK
Reach Number 28

Date	Air	H2O	Noise	Comment	Initial
9-23-24	X	X	X	start date no straw waddle needed due to no water	RA
9-24-24	X	X	X	water truck used for dust	RA
9-25-24	X	X	X	"	RA
9-26-24	X	X	X	"	RA

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No.29 Las Virgenes (PD T1684) M.C.I. T.G.: 558-H3**

Maintenance Plan:
Hand clear a 30-foot-wide strip along the watercourse low flow reach from the debris posts to the right-of-way boundary. Within the herbaceous vegetation on the left bank, plant 2 valley oaks (Quercus lobata) and 5 blue elderberry (Sambucus nigra) at edge of right-of-way (about 100 to 125 feet away from concrete levee). No native trees shall be removed with a 2-inch diameter at breast height or greater. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

All power tools used (pole saws, hedge trimmers, weed eaters) have approved exhaust. Dust kept to a minimum.

Disposition: √ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 10-31-24 **Project end date:** 11-5-24

Completed by: Name: R. Almanza Title: PWCL Date: 11-5-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 1.28

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 0

Location/Channel Reach#: #: **Reach No.29 Las Virgenes (PD T1684) M.C.I. T.G.: 558-H3**

Maintenance Plan:
Hand clear a 30-foot-wide strip along the watercourse low flow reach from the debris posts to the right-of-way boundary. Within the herbaceous vegetation on the left bank, plant 2 valley oaks (Quercus lobata) and 5 blue elderberry (Sambucus nigra) at edge of right-of-way (about 100 to 125 feet away from concrete levee). No native trees shall be removed with a 2-inch diameter at breast height or greater. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☐ SS-1 Scheduling
- ☐ WE-1 Wind Erosion Control
- ☐ SS-9 Temporary Drains and Swales
- ☑ SC-9 Straw Bale Barriers
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ NS-4 Temporary Stream Crossing
- ☐ SC-1 Silt Fence
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
Straw bale was placed at end of reach before work was started.

Biologist on site: ☐ **Yes** ☐ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: R. Almanza Title: PWCL Date: 11-5-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: #: **Reach No.29 Las Virgenes (PD T1684) M.C.I. T.G.: 558-H3**

Maintenance Plan:
Hand clear a 30-foot-wide strip along the watercourse low flow reach from the debris posts to the right-of-way boundary. Within the herbaceous vegetation on the left bank, plant 2 valley oaks (Quercus lobata) and 5 blue elderberry (Sambucus nigra) at edge of right-of-way (about 100 to 125 feet away from concrete levee). No native trees shall be removed with a 2-inch diameter at breast height or greater. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

All power tools used have State approved mufflers. Work was started after 8 am

Disposition: √ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Completed by: Name: R. Almanza Title: PWCL Date: 11-5-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Las Virgenes Creek
Reach Number 29

Date	Air	H2O	Noise	Comment	Initial
10-31-24	✓	✓	✓	Straw bale placed at end of reach	RA
11-1-24	✓	✓	✓	" "	RA
11-4-24	✓	✓	✓	" "	RA
11-5-24	✓	✓	✓	Job complete, Straw bale removed	RA

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 32 Stokes Canyon Channel. PD T043** **T.G.: 588- J4 TO H4**

Maintenance Plan:
Hand clear all vegetation between the pipe and wire. Embankment vegetation outside the pipe and wire channel will be left in place. Plant at least 20 young coast live oaks (Quercus agrifolia) on the south bank between the bridge and the most upstream end of the reach.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 10-30-2024 **Project end date:** 10-30-2024

Completed by: Name: Jorge Martinez Title: Supervisor Date: 10-30-2024

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 10/30/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 32 Stokes Canyon Channel. PD T043** **T.G.: 588- J4 TO H4**

Maintenance Plan:
Hand clear all vegetation between the pipe and wire. Embankment vegetation outside the pipe and wire channel will be left in place. Plant at least 20 young coast live oaks (Quercus agrifolia) on the south bank between the bridge and the most upstream end of the reach.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 10-30-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 10/30/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 32 Stokes Canyon Channel. PD T043** **T.G.: 588- J4 TO H4**

Maintenance Plan:
Hand clear all vegetation between the pipe and wire. Embankment vegetation outside the pipe and wire channel will be left in place. Plant at least 20 young coast live oaks (Quercus agrifolia) on the south bank between the bridge and the most upstream end of the reach.

Description of Activity/Method of Implementation:

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 10-30-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 10/30/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Stokes Canyon
Reach Number 32

Date	Air	H2O	Noise	Comment	Initial
10-30-24	✓	✓	✓	NONE	J.M.

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 35 Medea Creek** **T.G.: 558-A5**
Main Channel Inlet - under Route 101

Maintenance Plan:
This reach is not within LACFCD easement boundaries. Continue maintenance until the entity responsible for maintaining the reach is notified that the reach is their responsibility. Then discontinue maintenance and remove from all regulatory permits. Hand clear all vegetation.

Description of Activity/Method of Implementation:
ALL HAND/POWER TOOLS USED TO COMPLETE PROJECT CONTAIN APPROVE EXHAUST SYSTEM.

Disposition: X Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 9/27/24 **Project end date:** 9/27/24

Completed by: Name: ANTHONY MIRANO Title: PWCL Date: 9/27/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** .56

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 0

Location/Channel Reach#: **Reach No. 35 Medea Creek** **T.G.: 558-A5**
Main Channel Inlet - under Route 101

Maintenance Plan:
This reach is not within LACFCD easement boundaries. Continue maintenance until the entity responsible for maintaining the reach is notified that the reach is their responsibility. Then discontinue maintenance and remove from all regulatory permits. Hand clear all vegetation.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☒ SS-1 Scheduling
- ☐ WE-1 Wind Erosion Control
- ☐ SS-9 Temporary Drains and Swales
- ☒ SC-9 Straw Bale Barriers
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ NS-4 Temporary Stream Crossing
- ☐ SC-1 Silt Fence
- ☐ SC-8 Sand Bag Barriers

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

_____

_____

Biologist on site: ☐ **Yes** ☒ **No** **Date:** _____

Biologist Comments/Instructions:

_____

_____

Completed by: Name: ANTHONY MIRANDO Title: PWCI Date: 9/27/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 35 Medea Creek** **T.G.: 558-A5**
Main Channel Inlet - under Route 101

Maintenance Plan:
This reach is not within LACFCD easement boundaries. Continue maintenance until the entity responsible for maintaining the reach is notified that the reach is their responsibility. Then discontinue maintenance and remove from all regulatory permits. Hand clear all vegetation.

Description of Activity/Method of Implementation:

ALL POWER TOOLS USED ARE EQUIPPED WITH APPROVED MUFFLERS.

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Completed by: Name: ANTHONY MIRANDO Title: PWCL Date: 9/27/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name MEDEA CREEK INLET
Reach Number 35

Date	Air	H2O	Noise	Comment	Initial
9/27/24	X	X	X	START OF PROJECT. STRAW WADDLE WAS PLACED AT END OF REACH PROJECT COMPLETE	

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 36 Cheseboro Main Channel Inlet** **T.G.: 558-C6**

Maintenance Plan:
Hand clear vegetation in the invert. The tree canopy above the invert will remain but with a clear "tunnel" path to convey flows. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

Power tools used (weed eaters, hedge trimmers and pole saws) all have approved exhaust and were used to remove vegitation. Dust was kept to a minimum.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 10-8-24 **Project end date:** 10-8-24

Completed by: Name: Richard Almanza Title: PWCL Date: _____

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 2.43

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 0

Location/Channel Reach#: **Reach No. 36 Cheseboro Main Channel Inlet** **T.G.: 558-C6**

Maintenance Plan:
Hand clear vegetation in the invert. The tree canopy above the invert will remain but with a clear "tunnel" path to convey flows. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☐ SS-1 Scheduling
- ☐ WE-1 Wind Erosion Control
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-9 Straw Bale Barriers
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ NS-4 Temporary Stream Crossing
- ☐ SC-1 Silt Fence
- ☐ SC-8 Sand Bag Barriers

Disposition: √ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
Straw waddle not used due to no water.

Biologist on site: ☐ **Yes** ☐ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Richard Almanza Title: PWLCL Date: 10-8-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 36 Cheseboro Main Channel Inlet** **T.G.: 558-C6**

Maintenance Plan:
Hand clear vegetation in the invert. The tree canopy above the invert will remain but with a clear "tunnel" path to convey flows. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
All power tools have state approved mufflers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
All work started after 8:00 am so that neighbors would not be disturbed

Completed by: Name: Richard Almanza Title: PW CL Date: 10-8-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Cheseboro Cyn Channel
Reach Number 36

Date	Air	H2O	Noise	Comment	Initial
10/8	√	√	√	no straw waddle needed due to no water	R A
10/8	√	√	√	Job complete	R A

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 37 Medea Ck/Chesesboro Ck Outlet T.G.: 558-A6**

Maintenance Plan:
Hand clear all vegetation, except protected polygons. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

Power tools used (weed eaters, hedge trimmers) all have approved exhaust and were ~~two~~ used to remove vegitation. Dust was kept to a minimum.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 10-9-24 **Project end date:** 10-9-24

Completed by: Name: _____ Title: _____ Date: _____

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 7.31

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 0

Location/Channel Reach#: **Reach No. 37 Medea Ck/Chesesboro Ck Outlet T.G.: 558-A6**

Maintenance Plan:
Hand clear all vegetation, except protected polygons. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☐ SS-1 Scheduling
- ☐ WE-1 Wind Erosion Control
- ☐ SS-9 Temporary Drains and Swales
- ☑ SC-9 Straw Bale Barriers
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ NS-4 Temporary Stream Crossing
- ☐ SC-1 Silt Fence
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
Straw Bale was placed at end of reach before work was started

Biologist on site: ☐ **Yes** ☐ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Richard Almanza Title: PW CL Date: 10-9-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 37 Medea Ck/Chesesboro Ck Outlet T.G.: 558-A6**

Maintenance Plan:
Hand clear all vegetation, except protected polygons. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
All power tools have State approved Mufflers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
All work was started after 8:00 am so that neighbors would not be disturbed

Completed by: Name: Richard Almanza Title: PWCL Date: 10-9-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name MEDEA CREEK
Reach Number 37

Date	Air	H2O	Noise	Comment	Initial
10-9	✓	✓	✓	Straw waddle placed at end of reach	RA
10-9	✓	✓	✓	Straw waddle removed Job Complete	RA

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 38 Lindero M.C.O. T.G.: 558-A6**

Maintenance Plan:
Hand-clear all vegetation. No native trees shall be removed with a 2-inch diameter at breast height or greater. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

All power tools used (weed eaters, pole saws, hedge trimmers) have approved exhaust. Dust was kept to a minimum.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 10-10-24 **Project end date:** 10-15-24

Completed by: Name: Richard Almanza Title: PWC Date: 10-15-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 11.45

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 0

Location/Channel Reach#: **Reach No. 38 Lindero M.C.O. T.G.: 558-A6**

Maintenance Plan:
Hand-clear all vegetation. No native trees shall be removed with a 2-inch diameter at breast height or greater. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☐ SS-1 Scheduling
- ☐ WE-1 Wind Erosion Control
- ☐ SS-9 Temporary Drains and Swales
- ☑ SC-9 Straw Bale Barriers
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ NS-4 Temporary Stream Crossing
- ☐ SC-1 Silt Fence
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
Straw bale was placed at end of reach before work was started

Biologist on site: ☐ **Yes** ☐ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Richard Almanza Title: PW CL Date: 10-15-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 38 Lindero M.C.O. T.G.: 558-A6**

Maintenance Plan:
Hand-clear all vegetation. No native trees shall be removed with a 2-inch diameter at breast height or greater. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

All power tools used have state approved mufflers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Completed by: Name: Richard Almanza Title: PWCL Date: 10-15-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 39 Beatty Channel Outlet @ SGR** **T.G.: 568-F4**

Permit Requirements:
There are no permit requirements requiring mitigation of air quality.

Description of Activity/Method of Implementation:
No maintenance done at this facility this maintenance season.

Disposition: _X__ No work done this maintenance season.

_____ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Project start date: 11/1/2024 **Project end date:** 1/21/2025

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** **60**

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** **50**

Location/Channel Reach#: **Reach No. 39 Beatty Channel Outlet @ SGR** **T.G.: 568-F4**

Permit Requirements:
The permit requires that we monitor water quality at both the upstream and downstream limits of the work when water is diverted.

Description of Activity/Method of Implementation:
No maintenance done at this facility this maintenance season.

Disposition: X No work done this maintenance season.

____ No water monitoring required.

____ Water monitoring was not fully implemented. Further action is required. (Please explain below.)

____ Water monitoring was not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None.

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:
None

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 39 Beatty Channel Outlet @ SGR** **T.G.: 568-F4**

Permit Requirements:
There are no permit requirements requiring mitigation of noise.

Description of Activity/Method of Implementation:
No maintenance done at this facility this maintenance season.

Disposition: _X__ No work done this maintenance season.

____ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Completed by: Jeff Valles Title: Flood Control Const. Supvr. Date: 1/21/2025

Approved by: _____ Title: Civil Engineer Date: 06/01/2025

James Benken

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 40A San Gabriel River** **T.G.: 597-H5**

Permit Requirements:
There are no permit requirements requiring mitigation of air quality.

Description of Activity/Method of Implementation:
No mitigation of air quality efforts was undertaken. Vegetation removed from the stream bed was hauled via truck to Puente Hills Material Recovery Facility.

Disposition: _X_ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Project start date: 10/15/2024 **Project end date:** 12/31/2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons) 364**

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.) 120**

Location/Channel Reach#: **Reach No. 40A San Gabriel River** **T.G.: 597-H5**

Permit Requirements:
The permit requires that we monitor water quality at both the upstream and downstream limits of the work when water is diverted.

Description of Activity/Method of Implementation:
Water at the site was not present during this annual clearing event. A contractor carried out the soft bottom clearing efforts in this reach utilizing a combination of mowers and hand clearing.

Disposition: X No water monitoring performed.

____ Water monitoring was not fully implemented. Further action is required. (Please explain below.)

____ Water monitoring was not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
No equipment used. No water monitoring was performed.

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:
None

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 40A San Gabriel River** **T.G.: 597-H5**

Permit Requirements:
There are no permit requirements requiring mitigation of noise.

Description of Activity/Method of Implementation:
No mitigation of noise efforts was undertaken. Noise was not an issue on this clearing project. During the contractor's work we received no complaint calls from adjacent businesses or homeowners due to noise, dust, or any other nuisance.

Disposition: _X_ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Completed by: Alex Alvarez Title: FCCS Date: 12/31/2024

Approved by: Title: Civil Engineer Date: 06/01/2025

James Benken

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 40B San Gabriel River** **T.G.: 637-F4**

Permit Requirements:
There are no permit requirements requiring mitigation of air quality.

Description of Activity/Method of Implementation:
No mitigation of air quality. Vegetation was removed from the stream bed and was hauled via truck to Puente Hills Material Recovery Facility.

Disposition: _X_ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Project start date: 11/26/2024 **Project end date:** 2/12/2025

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** **278**

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** **100**

Location/Channel Reach#: **Reach No. 40B San Gabriel River** **T.G.: 637-F4**

Permit Requirements:
The permit requires that we monitor water quality at both the upstream and downstream limits of the work when water is diverted.

Description of Activity/Method of Implementation:
No flowing water was near the maintenance areas during this annual clearing event. A contractor carried out the soft bottom clearing efforts in this reach utilizing a combination of mowers and hand clearing. A biologist was on site before and during the work in Reach 40B marking vegetation to be protected or removed. After being approved by the permitting agencies, a biological survey was performed before the maintenance work in the bird nesting season. A biological monitor was also present during the maintenance in the bird nesting season.

Disposition: X No water monitoring performed.

____ Water monitoring was not fully implemented. Further action is required. (Please explain below.)

____ Water monitoring was not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
Work was carried out in areas where water was not present.

Biologist on site: ☐ **No** ☑ **Yes** **Date:** During maintenance (survey and monitor)

Biologist Comments/Instructions:
A biologist was on site before and during the mowing activities. He marked all those trees to be protected and those to be removed with a tagging system. Red ribbon was to be protected and blue ribbon was to be removed.

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 40B San Gabriel River** **T.G.: 637-F4**

Permit Requirements:
There are no permit requirements requiring mitigation of noise.

Description of Activity/Method of Implementation:
No mitigation of noise. Noise was not an issue on this clearing project. During the contractor's work we received no complaint calls from adjacent businesses or homeowners due to noise, dust or any other nuisance.

Disposition: _X_ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Completed by: Alex Alvarez Title: FCCS Date: 2/12/2025

Approved by: _____ Title: Civil Engineer Date: 06/01/2025
James Benken

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 41 Walnut Creek** **T.G.: 637-H2**

Permit Requirements:
There are no permit requirements requiring mitigation of air quality.

Description of Activity/Method of Implementation:
No mitigation of air quality efforts was undertaken. Flail mowers removed the vast majority of the vegetation within the soft-bottom and hand crews were dispatched ahead of the mowers to remove any invasives/exotics that were identified. Trash and cuttings in the river bottom were collected and hauled to Puente Hills Materials Recovery Facility for disposal.

Disposition: _X_ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Project start date: 9/16/2024 **Project end date:** 10/20/2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons) 184**

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.) 60**

Location/Channel Reach#: **Reach No. 41 Walnut Creek** **T.G.: 637-H2**

Permit Requirements:
The permit requires that we monitor water quality at the site and prepare a water diversion plan if water is present.

Description of Activity/Method of Implementation:
There was no flowing water within the work site.

Disposition: X No water monitoring performed.

____ Water monitoring was not fully implemented. Further action is required. (Please explain below.)

____ Water monitoring was not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
No equipment used. Water samples monitoring was not required.

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:
None

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 41 Walnut Creek** **T.G.: 637-H2**

Permit Requirements:
There are no permit requirements requiring mitigation of noise.

Description of Activity/Method of Implementation:
No mitigation of noise. Noise was not an issue on this clearing project. During our operation we received no complaint calls from adjacent businesses or homeowners due to noise, dust, or any other nuisance.

Disposition: _X_ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Completed by: Jeff Valles Title: Flood Control Const Supvr. Date: 10/20/2024

Approved by: James Benken Title: Civil Engineer Date: 06/01/2025

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 42 San Jose Creek** **T.G.: 637-E5**

Permit Requirements:
There are no permit requirements requiring mitigation of air quality.

Description of Activity/Method of Implementation:
No mitigation of air quality efforts was undertaken.

Disposition: _X_ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Project start date: 10/20/2024 **Project end date:** 2/12/2025

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** **62.4**

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** **113,000**

Location/Channel Reach#: **Reach No. 42 San Jose Creek** **T.G.: 637-E5**

Permit Requirements:
The permit requires that we monitor water quality at both the upstream and downstream limits of the work when water is flowing.

Description of Activity/Method of Implementation:
Water sampling was conducted before during, and after the maintenance of this reach. Vegetation growing through the rip rap was small and work mainly consisted of limb cutting for the trees in the reach. The majority of the time was spent implementing, adjusting, and removing the BMPs needed for this work. All the trash/debris was hauled to Puente Hills Material Recovery Facility for disposal. A summary of the water quality sampling/monitoring reports are in the 2023-24 SBC Annual Maintenance Report.

Disposition: X Water monitoring performed.

____ No water monitoring performed.

____ Water monitoring was not fully implemented. Further action is required. (Please explain below.)

____ Water monitoring was not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:
None

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 42 San Jose Creek** **T.G.: 637-E5**

Permit Requirements:
There are no permit requirements requiring mitigation of noise.

Description of Activity/Method of Implementation:
No mitigation of noise efforts was undertaken. During the maintenance of the reach, we did not received complaints from the adjacent businesses or homeowners for noise, dust, or any other nuisance.

Disposition: _X_ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Completed by: Alex Alvarez Title: FCCS Date: 2/12/2025

Approved by: Title: Civil Engineer Date: 06/01/2025

James Benken

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 43 (San Gabriel River)
Impact Issue:	Air Quality
Mitigation Measure No:	1

Permit Requirements:
Mechanical clearing of vegetation will be used for clearing activities. Trimming of the riparian vegetation may be necessary in the future as growth occurs. The vegetation that is seasonally occupied by the least Bell's vireo will be flagged and a qualified biological monitor will be present during clearing activities.

Description of Activity/Method of Implementation:
The crews worked with hand tools to remove ground vegetation and trimming tools to cut bushes. Trees were trimmed, and non-native trees removed. Debris was put on to tarps and removed. Minimal amount of dust was generated. Water trucks were used for dust suppression when necessary.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 9/16/2024 **Project End Date:** 11/21/2024

Completed by:

Name:	[signature]
Title:	Construction Superintendent
Date:	05/01/2025

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 43 (San Gabriel River)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	48

Permit Requirements:
The permit requires that we monitor water quality at upstream, midpoint and downstream limits when water is flowing in the channel.

Description of Activity/Method of Implementation:
The entire channel was dry throughout the work duration of vegetation clean out. No water sampling was done because the site did not meet Regional Water Quality Control Board (RWQCB) guidelines. The crews worked with hand tools to remove ground vegetation and trimming tools to cut bushes. Trees were trimmed, and non-native trees removed. Debris was put on to tarps and removed. All equipment and trucks had their tries and undercarriage cleaned before leaving the site. Biologist on site during clearing activity and BMP's were implemented to maintain water quality. The following Best Management Practices weas deemed to be applicable and was implemented:

- SS-1 Scheduling
- SS-2 Preservation of Existing Vegetation
- WE-1 Wind Erosion Control
- SS-8 Sand bag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Biologist on Site: Yes **Date on Site:** During site activity

Comments/Revisions:

Completed by:

Name:	
Title:	Construction Superintendent
Date:	05/01/2025

Approved by:

Name:	EDEN BERMAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 43 (San Gabriel River)
Impact Issue:	Noise
Mitigation Measure No:	3

Permit Requirements:
There are no permit requirements requiring mitigation of noise levels.

Description of Activity/Method of Implementation:
The crews worked with hand tools to remove ground vegetation and trimming tools to cut bushes. Trees were trimmed, and non-native trees removed. Debris was put on to tarps and removed. Activity in the reach maintained minimal noise during the working hours. Activity in the reach maintained moderate noise levels during the daily working hours (Mon-Sat, 7am-4pm). Hand crews and equipment did not have any significant noise problems and we received no complaints from businesses or homeowners.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	
Title:	Vegetation Supervisor
Date:	05/01/2025

Approved by:

Name:	EDEN BERMAN
Title:	Senior Civil Engineer
Date:	5/8/2025

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name San Gabriel River Whittier Narrows
Reach Number 43

Date	Air	H2O	Noise	Comment	Initial
9/16	Good	DRY	AMBIENT	START OF 43	
9/17	Good	DRY	AMBIENT	NONE	
9/18	Good	DRY	AMBIENT	NONE	
9/19	Good	DRY	AMBIENT	NONE	
9/23	Good	DRY	AMBIENT	NONE	
9/24	Good	DRY	AMBIENT	NONE	
9/25	Good	DRY	AMBIENT	NONE	
9/26	Good	DRY	AMBIENT	NONE	
9/30	Good	DRY	AMBIENT	NONE	
10/2	Good	DRY	AMBIENT	NONE	
10/3	Good	DRY	AMBIENT	NONE	
10/4	Good	DRY	AMBIENT	NONE	

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name San Gabriel River Whittier Narrows
Reach Number 43

Date	Air	H2O	Noise	Comment	Initial
10/7	Good	DRY	AMBIENT	NONE	
10/8	Good	DRY	AMBIENT	NONE	
10/9	Good	DRY	AMBIENT	NONE	
10/10	Good	DRY	AMBIENT	NONE	
10/11	Good	DRY	AMBIENT	NONE	
10/15	Good	DRY	AMBIENT	NONE	
10/16	Good	DRY	AMBIENT	NONE	
10/17	Good	DRY	AMBIENT	NONE	
10/21	Good	DRY	AMBIENT	NONE	
10/22	Good	DRY	AMBIENT	NONE	
10/23	Good	DRY	AMBIENT	NONE	
10/24	Good	DRY	AMBIENT	NONE	

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name San Gabriel River Whittier Narrows
Reach Number 43

Date	Air	H2O	Noise	Comment	Initial
10/29	Good	DRY	AMBIENT	NONE	
10/30	Good	DRY	AMBIENT	NONE	
10/31	Good	DRY	AMBIENT	NONE	
11/4	Good	DRY	AMBIENT	NONE	
11/5	Good	DRY	AMBIENT	NONE	
11/6	Good	DRY	AMBIENT	NONE	
11/7	Good	DRY	AMBIENT	NONE	
11/18	Good	DRY	AMBIENT	NONE	
11/19	Good	DRY	AMBIENT	NONE	
11/20	Good	DRY	AMBIENT	NONE	
11/21	Good	DRY	AMBIENT	NONE	
				REACH 43 FINISHED	

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name LINDERO Cyn
Reach Number 38

Date	Air	H2O	Noise	Comment	Initial
10-10	√	√	√	straw bale was placed at end of reach	RA
10-11	√	√	√	" "	RA
10-15	√	√	√	Job complete	RA

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 44 (San Gabriel River)
Impact Issue:	Air Quality
Mitigation Measure No:	1

Permit Requirements:
Mechanical clearing of vegetation will be used for clearing activities. Some trimming of the riparian vegetation may be necessary as growth occurs per original permit conditions.

Description of Activity/Method of Implementation:
Mechanical equipment was used to keep the channel clear of vegetation. Mowers were used in most areas. Trees were trimmed, and non-native trees removed. Minimal amount of dust was generated. Water trucks were used for dust suppression as necessary.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 9/16/2024 **Project End Date:** 11/7/2024

Completed by:

Name:	
Title:	Construction Supervisor 2
Date:	05/01/2025

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 44 (San Gabriel River)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	20

Permit Requirements:
The permit requires that we monitor water quality at upstream, midpoint and downstream limits when water is flowing in the channel.

Description of Activity/Method of Implementation:
Water quality sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB) for flowing water. Mechanical equipment was used to keep the channel clear of vegetation. Mowers were used in most areas. Trees were trimmed, and non-native trees removed. All equipment and trucks had their tires and undercarriage cleaned before leaving the site to maintain water quality. Biologist on site during clearing activity and BMP's were implemented to maintain water quality.

The following Best Management Practices weas deemed to be applicable and was implemented:

- SS-1 Scheduling
- SS-2 Preservation of Existing Vegetation
- WE-1 Wind Erosion Control
- SS-8 Sandbag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Biologist on Site: Yes **Date on Site:** During site activity

Comments/Revisions:

Completed by:

Name:	
Title:	Construction Supervision Assistant
Date:	05/01/2025

Approved by:

Name:	EDEN BERMAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 44 (San Gabriel River)
Impact Issue:	Noise
Mitigation Measure No:	3

Permit Requirements:
There are no permit requirements requiring mitigation of noise levels.

Description of Activity/Method of Implementation:
Mechanical equipment was used to keep the channel clear of vegetation. Mowers were used in most areas. Trees were trimmed, and non-native trees removed. Activity in the reach maintained minimal noise during the working hours. Activity in the reach maintained moderate noise levels during the daily working hours (Mon-Sat, 7am-4pm). Hand crews and equipment did not have any significant noise problems, and we received no complaints from businesses or homeowners.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	
Title:	Construction Supervisor
Date:	05/01/2025

Approved by:

Name:	EDEN BERMAN
Title:	Senior Civil Engineer
Date:	5/8/2025

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name San Gabriel River Rubber Dams, SD, 4
Reach Number 44

Date	Air	H2O	Noise	Comment	Initial
9/16	Good	DRY	AMBIENT	START REACH 44	
9/17	Good	DRY	AMBIENT	NONE	
9/18	Good	DRY	AMBIENT	NONE	
9/19	Good	DRY	AMBIENT	NONE	
9/23	Good	DRY	AMBIENT	NONE	
9/24	Good	DRY	AMBIENT	NONE	
9/25	Good	DRY	AMBIENT	NONE	
9/26	Good	DRY	AMBIENT	NONE	
9/30	Good	DRY	AMBIENT	NONE	
10/2	Good	DRY	AMBIENT	NONE	
10/3	Good	DRY	AMBIENT	NONE	
10/4	Good	DRY	AMBIENT	NONE	

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name San Gabriel River Rubber Dams, SD, 4
Reach Number 44

Date	Air	H2O	Noise	Comment	Initial
10/7	Good	DRY	AMBIENT	NONE	
10/8	Good	DRY	AMBIENT	NONE	
10/9	Good	DRY	AMBIENT	NONE	
10/10	Good	DRY	AMBIENT	NONE	
10/11	Good	DRY	AMBIENT	NONE	
10/15	Good	DRY	AMBIENT	NONE	
10/16	Good	DRY	AMBIENT	NONE	
10/17	Good	DRY	AMBIENT	NONE	
10/21	Good	DRY	AMBIENT	NONE	
10/22	Good	DRY	AMBIENT	NONE	
10/23	Good	DRY	AMBIENT	NONE	
10/24	Good	DRY	AMBIENT	NONE	

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name San Gabriel River Rubber Dams, SD, 4
Reach Number 44

Date	Air	H2O	Noise	Comment	Initial
10/29	Good	DRY	AMBIENT	NONE	
10/30	Good	DRY	AMBIENT	NONE	
10/31	Good	DRY	AMBIENT	NONE	
11/4	Good	DRY	AMBIENT	NONE	
11/5	Good	DRY	AMBIENT	NONE	
11/6	Good	DRY	AMBIENT	NONE	
11/7	Good	DRY	AMBIENT	NONE	
				REACH 44 FINISHED	

San Gabriel River

Reach 44

Dates of Work: 9/16/2024-11/7/2024

Before and After Photos: **Provided by Contractor**

During Photos: ✓

Updated Mitigation Monitoring Compliance Forms ✓

Field Notes (Air, Water, Noise): ✓

Additional Notes ✓

Water Quality Sampling: no

Tonnage

In-House ____

Contractor 20

Oak Ridge

Notes/Comments:

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 48 Mint Cyn Channel** **T.G.: 4552-A1 TO 4551- J2**
Between Sierra Hwy & Adon Ave

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-9-2024 **Project end date:** 9-10-2024.

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 9-10-2024.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 48 Mint Cyn Channel** **T.G.: 4552-A1 TO 4551- J2**
Between Sierra Hwy & Adon Ave

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 9-9-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 48 Mint Cyn Channel T.G.: 4552-A1 TO 4551- J2**
Between Sierra Hwy & Adon Ave

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

Work done during daylight Hours in complace. with local noise ordinances.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Rodolfo Rosas Title: supervisor Date: 9-9-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Mint Cyn Channel Between Sierra Hwy & Adon Ave.
Reach Number #48

Date	Air	H2O	Noise	Comment	Initial
9-9-24	✓	✓	✓	NONE	B.B.

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 49 Mint Cyn. Channel** **T.G.: 4551- J2**
Between Adon Ave & Scherzinger Ln

Maintenance Plan:
Mechanically clear all vegetation.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY
NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-11-2024 **Project end date:** 9-11-2024

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 9-11-2024.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/11/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 49 Mint Cyn. Channel** **T.G.: 4551- J2**
Between Adon Ave & Scherzinger Ln

Maintenance Plan:
Mechanically clear all vegetation.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 9-11-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/11/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 49 Mint Cyn. Channel** **T.G.: 4551- J2**
Between Adon Ave & Scherzinger Ln

Maintenance Plan:
Mechanically clear all vegetation.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAY LIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NO NG

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 9-11-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/11/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Mint Cyn Channel Between Adon Ave & Scherzinger.
Reach Number #49

Date	Air	H2O	Noise	Comment	Initial
9-11-24	✓	✓	✓	NONE	R.R

8923195

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 53 Santa Clara River (PD 832)** **T.G.: 4551-H4**
Main Channel Inlet

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND REMOVAL OF ALL VEGETATION WITHIN LIMITS, NO WATER TRUCK WAS NEEDED FOR THIS REACH.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 10-01-2024 **Project end date:** 10-01-2024

Completed by: Name: ERNIO NUNES Title: PWCL Date: 10-01-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No. 53 Santa Clara River (PD 832)** **T.G.: 4551-H4**
Main Channel Inlet

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: Yes ☑ No **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWCL Date: 10-01-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 53 Santa Clara River (PD 832)** **T.G.: 4551-H4**
Main Channel Inlet

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE.

Completed by: Name: EMILIO NIEVES Title: PWCI Date: 10-01-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name SANTA CLARA RIVER
Reach Number 53

Date	Air	H2O	Noise	Comment	Initial
10-04-2023	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND	ENO

8923195

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 60 Santa Clara River (PD's 1339 & 374)** **T.G.: 4551- F3 TO E2**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND REMOVAL OF ALL VEGETATION WITHIN LIMITS, WATER WAS USED FOR DUST CONTROL AND USED AS NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-25-2024 **Project end date:** 9-26-2024

Completed by: Name: EMILIO NUÑES Title: PWCL Date: 9-25-2024

Approved by: Name: JUAN CABRERA Title: FCCS Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No. 60 Santa Clara River (PD's 1339 & 374)** **T.G.: 4551- F3 TO E2**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEBLAS-ORDONEZ Title: PWCL Date: 9-25-2024

Approved by: Name: Juan Gabaldon Title: FCCS Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 60 Santa Clara River (PD's 1339 & 374)** **T.G.: 4551- F3 TO E2**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: E. MUÑOZ-GRANEZ Title: PWCL Date: 9-25-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name SANTA CLARA RIVER
Reach Number 60

Date	Air	H2O	Noise	Comment	Initial
9-25-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND	ENO
9-26-2024	✓	✓	✓	" " "	ENO

8923195

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 61 Santa Clara River (PD 659)** **T.G.: 4551-E2**
D/S New Soledad Canyon. Rd. Bridge

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND REMOVAL OF VEGETATION WITHIN LIMITS.
WATER TRUCK WAS USED FOR DUST CONTROL AND USED AS NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-25-2024 **Project end date:** 9-25-2024

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 9-25-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No. 61 Santa Clara River (PD 659)** **T.G.: 4551-E2**
D/S New Soledad Canyon. Rd. Bridge

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES Title: PWCL. Date: 9-25-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 61 Santa Clara River (PD 659)** **T.G.: 4551-E2**
D/S New Soledad Canyon. Rd. Bridge

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES Title: PWA Date: 9-25-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name SANTA CLARA RIVER.
Reach Number 61

Date	Air	H2O	Noise	Comment	Initial
9-25-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND	ENO

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 63 Oak Ave Rd Drainage (CDR 523.081)** **T.G.: 4551-C2**

Maintenance Plan:
This reach is not within LACFCD easement boundaries. Continue maintenance until the entity responsible for maintaining the reach is notified that the reach is their responsibility. Then discontinue maintenance and remove from all regulatory permits. Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-17-2024 **Project end date:** 9-17-24

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jorge Sanchez Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 63 Oak Ave Rd Drainage (CDR 523.081)** **T.G.: 4551-C2**

Maintenance Plan:
This reach is not within LACFCD easement boundaries. Continue maintenance until the entity responsible for maintaining the reach is notified that the reach is their responsibility. Then discontinue maintenance and remove from all regulatory permits. Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 63 Oak Ave Rd Drainage (CDR 523.081)** **T.G.: 4551-C2**

Maintenance Plan:
This reach is not within LACFCD easement boundaries. Continue maintenance until the entity responsible for maintaining the reach is notified that the reach is their responsibility. Then discontinue maintenance and remove from all regulatory permits. Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS, COMPLIANCE. WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Oak ave Rd Drainage.
Reach Number # 63

Date	Air	H2O	Noise	Comment	Initial
9-17-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 64 Soledad Cyn Rd Drainage (CDR523.071 D Outlet)** **T.G.: 4551 - B2**

Maintenance Plan:
This reach is not within LACFCD easement boundaries. The reach clearing work will involve mechanical (rubber-tired equipment) and hand clearing to clear an eight-foot-wide path along the centerline of the channel. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-17-2024 **Project end date:** 9-17-24

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 64 Soledad Cyn Rd Drainage (CDR523.071 D Outlet)** **T.G.: 4551 - B2**

Maintenance Plan:
This reach is not within LACFCD easement boundaries. The reach clearing work will involve mechanical (rubber-tired equipment) and hand clearing to clear an eight-foot-wide path along the centerline of the channel. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: supervisor Date: 9-19-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 64 Soledad Cyn Rd Drainage (CDR523.071 D Outlet)** **T.G.: 4551 - B2**

Maintenance Plan:
This reach is not within LACFCD easement boundaries. The reach clearing work will involve mechanical (rubber-tired equipment) and hand clearing to clear an eight-foot-wide path along the centerline of the channel. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Soledad Cyn Rd Drainage.
Reach Number # 64

Date	Air	H2O	Noise	Comment	Initial
9-17-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 66 Santa Clara River (PD 1538)** **T.G.: 4550-H2**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-17-2024 **Project end date:** 9-17-2024

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-2024

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 66 Santa Clara River (PD 1538)** **T.G.: 4550-H2**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☐ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 66 Santa Clara River (PD 1538)** **T.G.: 4550-H2**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS. COMPLIANCE. WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jorge Saavedra Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Santa Clara River.
Reach Number ~~#~~ 66

Date	Air	H2O	Noise	Comment	Initial
9-17-24	✓	✓	✓	NONE	J.M

8923494

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 67 Bouquet Canyon Upper T.G.: 4461-D1 TO D6 (PD's 1201, 802, 700B, & 625B)**

Maintenance Plan:
Mechanically clear all vegetation. Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach. Outlet structures will be graded to drain each year. The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however, the work will proceed with the opposite bank. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL CLEARING OF ALL VEGETATION, WATER TRUCK SPRAYED WATER PRIOR TO VEGETATION REMOVAL TO MINIMIZE DUST AND REMAINED ON SITE AND USED AS NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

TRUCKS TARPED DURING TRANSPORTATION OF VEGETATION REMOVED.

Project start date: 9-03-2024 **Project end date:** 09-09-2024

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWCL Date: 9-3-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 1.2

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 120 SF

Location/Channel Reach#: **Reach No. 67 Bouquet Canyon Upper T.G.: 4461-D1 TO D6 (PD's 1201, 802, 700B, & 625B)**

Maintenance Plan:
Mechanically clear all vegetation. Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach. Outlet structures will be graded to drain each year. The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however, the work will proceed with the opposite bank. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ No ☐ Yes **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWCL Date: 9-03-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 67 Bouquet Canyon Upper T.G.: 4461-D1 TO D6 (PD's 1201, 802, 700B, & 625B)**

Maintenance Plan:
Mechanically clear all vegetation. Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach. Outlet structures will be graded to drain each year. The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however, the work will proceed with the opposite bank. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES, TRUCKS & EQUIPMENT EQUIPPED WITH PROPER EXHAUST DEVICES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWCL Date: 9-3-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name BOUQUET CYN UPPER
Reach Number 67

Date	Air	H2O	Noise	Comment	Initial
9-3-2024	✓	✓	✓	80 SF OF ARUNDO REMOVED	ENO
9-4-2024	✓	✓	✓	40 SF OF ARUNDO REMOVED	ENO
9-5-2024	✓	✓	✓	NO INVASIVES FOUND	ENO
9-6-2024	✓	✓	✓	NO INVASIVES FOUND	ENO
9-9-2024	✓	✓	✓	NO INVASIVES FOUND	ENO

89234114

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 69 Bouquet Canyon Middle T.G.: 4461-C6 TO A7 (PD's 722,773,1365,1065, & 451)**

Maintenance Plan:
Mechanically clear all vegetation. Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach. Outlet structures will be graded to drain each year. The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however; the work will proceed with the opposite bank. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL REMOVAL OF ALL VEGETATION, WATER TRUCK ON SITE AT ALL TIMES TO SPRAY WATER TO MINIMIZED DUST AND STANDBY TO SPRAY AS NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

TRUCKS TARPED DURING TRANSPORTATION OF VEGETATION REMOVED

Project start date: 9-05-2024 **Project end date:** 09-13-2024

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWCL Date: 9-5-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 250 SF

Location/Channel Reach#: **Reach No. 69 Bouquet Canyon Middle T.G.: 4461-C6 TO A7 (PD's 722,773,1365,1065, & 451)**

Maintenance Plan:
Mechanically clear all vegetation. Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach. Outlet structures will be graded to drain each year. The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however; the work will proceed with the opposite bank. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Biologist on site: ☑ No ☐ Yes **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NUNES-ORDONEZ Title: PWCL Date: 9-5-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 69 Bouquet Canyon Middle T.G.: 4461-C6 TO A7 (PD's 722,773,1365,1065, & 451)**

Maintenance Plan:
Mechanically clear all vegetation. Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach. Outlet structures will be graded to drain each year. The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however; the work will proceed with the opposite bank. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWCI Date: 9-5-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name BOUQUET CHANNEL MIDDLE
Reach Number 69

Date	Air	H2O	Noise	Comment	Initial
9-05-2024	✓	✓	✓	100 SF OF ARUNDO REMOVED	ENO
9-6-2024	✓	✓	✓	50 SF OF ARUNDO REMOVED	ENO
9-9-2024	✓	✓	✓	50 SF OF ARUNDO REMOVED	ENO
9-10-2024	✓	✓	✓	50 SF OF ARUNDO REMOVED	ENO
9-11-2024	✓	✓	✓	NO INVASIVE FOUND	ENO
9/12/2024	✓	✓	✓	" " "	ENO
9/13/2024	✓	✓	✓	" " "	ENO

8923494

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 70 Bouquet Canyon Lower T.G.: 4550- J1 TO H-1 (PD's 544 & 345)**

Maintenance Plan:
Mechanically clear all vegetation. Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach. Outlet structures will be graded to drain each year. The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however; the work will proceed with the opposite bank. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL REMOVAL OF VEGETATION WITHIN LIMITS, WATER TRUCK WAS USED TO MINIMIZED DUST AND WAS USED AS NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-9-2024 **Project end date:** 09-10-2024

Completed by: Name: EMILIO NIEVES-ORDOÑEZ Title: PWCL Date: 9-9-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No. 70 Bouquet Canyon Lower T.G.: 4550- J1 TO H-1 (PD's 544 & 345)**

Maintenance Plan:
Mechanically clear all vegetation. Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach. Outlet structures will be graded to drain each year. The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however; the work will proceed with the opposite bank. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ No ☐ Yes **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIÑES-ORTIZ Title: PWCL Date: 9-9-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 70 Bouquet Canyon Lower T.G.: 4550- J1 TO H-1 (PD's 544 & 345)**

Maintenance Plan:
Mechanically clear all vegetation. Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach. Outlet structures will be graded to drain each year. The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however; the work will proceed with the opposite bank. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWCL Date: 9-9-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name BOUQUET CN LOWER
Reach Number 70

Date	Air	H2O	Noise	Comment	Initial
9-9-2024	✓	✓	✓	NO INVASIVES FOUND	ENO

8923195

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 71 Santa Clara River Main Channel (PD1946)** **T.G.: 4550-E2**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND REMOVAL OF ALL VEGETATION WITHIN LIMITS.
WATER TRUCK WAS USED FOR DUST CONTROL AND WAS USED AS NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 10-01-2024 **Project end date:** 10-01-2024

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 10-01-2024

Approved by: Name: Juan Caldera Title: FCCS Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No. 71 Santa Clara River Main Channel (PD1946)** **T.G.: 4550-E2**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NUÑEZ Title: PWCL Date: 10-01-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 71 Santa Clara River Main Channel (PD1946)** **T.G.: 4550-E2**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 10-01-2024

Approved by: Name: Juan Cabrera Title: FOC S Date: 10/3/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name SANTA CLARA RIVER
Reach Number 71

Date	Air	H2O	Noise	Comment	Initial
10-01-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND.	END

8923518

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 72 South Fork - Santa Clara River T.G.: 4640-F2 (Smizer Ranch M.C.I.)**

Maintenance Plan:
Hand clear vegetation in the invert. The tree canopy will remain, but with a clear "tunnel" path to convey flows. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND REMOVAL OF VEGETATION WITHIN LIMITS, NO WATER TRUCK WAS NEEDED FOR THIS REACH.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-27-2024 **Project end date:** 9-27-2024

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWCL Date: 9-27-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** -5 TONS

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No. 72 South Fork - Santa Clara River T.G.: 4640-F2 (Smizer Ranch M.C.I.)**

Maintenance Plan:
Hand clear vegetation in the invert. The tree canopy will remain, but with a clear "tunnel" path to convey flows. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ WE-1 Wind Erosion Control
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-9 Straw Bale Barriers
- ☐ SS-2 Preservation of Existing Vegetation
- ☑ NS-4 Temporary Stream Crossing
- ☐ SC-1 Silt Fence
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES ORDONEZ Title: PWCL Date: 9-27-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 72 South Fork - Santa Clara River T.G.: 4640-F2 (Smizer Ranch M.C.I.)**

Maintenance Plan:
Hand clear vegetation in the invert. The tree canopy will remain, but with a clear "tunnel" path to convey flows. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES-ORONOZ Title: PWCL Date: 9-27-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name SANTA CLARA RIVER / STMTZER

Reach Number 72

Date	Air	H2O	Noise	Comment	Initial
9-27-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND.	END

8923237

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 73 Wildwood Canyon Channel (PDT361 Main Channel Inlet)** **T.G.: 4640-H2**

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND CLEARING OF ALL VEGETATION WITHIN LIMITS, WATER TRUCK USED TO MINIMIZED DUST AND USED AS NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-27-2024 **Project end date:** 9-27-2024

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 9-27-2024

Approved by: Name: Juan Cubiga Title: FCCS Date: 9/30/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 1.3 TONS

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 0

Location/Channel Reach#: **Reach No. 73 Wildwood Canyon Channel (PDT361 Main Channel Inlet)** **T.G.: 4640-H2**

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES-RODRIGUEZ Title: PWCL Date: 9-27-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/30/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 73 Wildwood Canyon Channel (PDT361 Main Channel Inlet)** **T.G.: 4640-H2**

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NUÑEZ-ORDOÑEZ Title: PWA Date: 9-27-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/30/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name WILDWOOD CYN CHANNEL
Reach Number 73

Date	Air	H2O	Noise	Comment	Initial
9-24-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND	END

8923518

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 75 South Fork Santa Clara River (PD's 725, 916, 1041, & 1300)** **T.G.: 4640-F1 TO 450-G3**

Maintenance Plan:
Mechanically clear all vegetation. Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending to the channel centerline at a 45-degree angle. Mechanically clear and grade a centerline watercourse low flow 12-feet wide. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND REMOVAL OF ALL VEGETATION WITHIN LIMITS, WATER TRUCK WAS USED TO MINIMIZED DUST AND WAS USED AS NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
TRUCKS WERE TARPED DURING REMOVAL OF VEGETATION

Project start date: 9-16 2024 **Project end date:** _____

Completed by: Name: EMILIO NIEVES ORDONEZ Title: PWCL Date: 9-16 2024

Approved by: Name: Jay Caldera Title: FCCS Date: 10/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 75 South Fork Santa Clara River (PD's 725, 916, 1041, & 1300)** **T.G.: 4640-F1 TO 450-G3**

Maintenance Plan:
Mechanically clear all vegetation. Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending to the channel centerline at a 45-degree angle. Mechanically clear and grade a centerline watercourse low flow 12-feet wide. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

_____

Biologist on site: ☐ No ☑ Yes **Date:** 9-16, 9-17

Biologist Comments/Instructions:
NONE

_____

Completed by: Name: EMILIO NIEVES ORDONEZ Title: PWCL Date: 9-16-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 75 South Fork Santa Clara River (PD's 725, 916, 1041, & 1300)** **T.G.: 4640-F1 TO 450-G3**

Maintenance Plan:
Mechanically clear all vegetation. Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending to the channel centerline at a 45-degree angle. Mechanically clear and grade a centerline watercourse low flow 12-feet wide. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES-GONZALEZ Title: PWI Date: 9-16-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name SOUTH FORK
Reach Number #75

Date	Air	H2O	Noise	Comment	Initial
9-16-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND.	ENO
9-17-2024	✓	✓	✓	" " "	ENO

8923487

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 76 Pico Canyon (PD 813)** **T.G.: 4550-F7 TO G7**

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION ; WATER TRUCK SPRAYED WATER PRIOR TO VEGETATION REMOVAL AND WAS USED AS NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Project start date: 9-17-2024 **Project end date:** _____

Completed by: Name: EMILIO NIEVES-OROZCO Title: PWC I Date: 9-17-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/27/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No. 76 Pico Canyon (PD 813)** **T.G.: 4550-F7 TO G7**

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☐ No ☑ Yes **Date:** 9-17-2024

Biologist Comments/Instructions:
NONE

Completed by: Name: EMILIO NUÑEZ-ORDONEZ Title: PWA Date: 9-17-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/24/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 76 Pico Canyon (PD 813)** **T.G.: 4550-F7 TO G7**

Maintenance Plan:
Mechanically clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWCL Date: 9-17-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/24/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name PICO CYN CHANNEL
Reach Number 76

Date	Air	H2O	Noise	Comment	Initial
9-17-2024	✓	✓	✓	NO INVASIVES WERE FOUND	ENO
9-18-2024	✓	✓	✓	" " "	ENO
9-19-2024	✓	✓	✓	" " "	ENO
9-20 2024	✓	✓	✓	" " "	ENO
9-23-2024	✓	✓	✓	" " "	ENO
9-24-2024	✓	✓	✓	" " "	ENO
9-25-2024	✓	✓	✓	" " "	ENO
9-26-2024	✓	✓	✓	" " "	ENO
9-27-2024	✓	✓	✓	" " "	ENO

8923456

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 77 Newhall Creek Outlet** **T.G.: 4550-H6**

Maintenance Plan:
Mechanically clear the low flow channel of all vegetation. Mature vegetation in the invert but above the low flow channel will remain. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL REMOVAL OF ALL VEGETATION WITHIN LIMITS, WATER TRUCK ON SITE TO SPRAYED WATER FOR DUST CONTROL.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Project start date: 9-23-2024 **Project end date:** 9-25-2024

Completed by: Name: EMILIO NIEVES-OROZCO Title: PWCL Date: 9-23-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/26/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 0

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 0

Location/Channel Reach#: **Reach No. 77 Newhall Creek Outlet** **T.G.: 4550-H6**

Maintenance Plan:
Mechanically clear the low flow channel of all vegetation. Mature vegetation in the invert but above the low flow channel will remain. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ____ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** 9-23-2024

Biologist Comments/Instructions:
NONE

Completed by: Name: EMILIO NIEVES-GROJEDA Title: PWCL Date: 9-23-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/26/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 77 Newhall Creek Outlet** **T.G.: 4550-H6**

Maintenance Plan:
Mechanically clear the low flow channel of all vegetation. Mature vegetation in the invert but above the low flow channel will remain. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWA Date: 9-23-2024

Approved by: Name: Sean Cabrera Title: FCCS Date: 9/24/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name NEWHALL CREEK
Reach Number 77

Date	Air	H2O	Noise	Comment	Initial
9-23-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND	END
9-24-2024	✓	✓	✓	" " "	END
9-25-2024	✓	✓	✓	" " "	END

8923473

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No.78 Placerita Creek** **T.G.: 4550 H6**

Maintenance Plan:
Mechanically clear the low flow channel of all vegetation. Mature vegetation in the invert but above the low flow channel will remain. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECANICAL REMOVAL OF ALL VEGETATION WITHIN LIMITS, WATER TRUCK WAS USED TO MINIMIZED DUST AT ALL TIMES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Project start date: 9-24-2024 **Project end date:** 9-24-2024

Completed by: Name: EMILIO NIEBLES ORDUZ Title: PWCL Date: 9-24-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/26/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No.78 Placerita Creek** **T.G.: 4550 H6**

Maintenance Plan:
Mechanically clear the low flow channel of all vegetation. Mature vegetation in the invert but above the low flow channel will remain. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES-ORONEZ Title: PWCL Date: 9-24-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/26/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No.78 Placerita Creek** **T.G.: 4550 H6**

Maintenance Plan:
Mechanically clear the low flow channel of all vegetation. Mature vegetation in the invert but above the low flow channel will remain. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NUNES ORDONEZ Title: PWA Date: 9-24-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 9/24/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name PLACERITA CREEK
Reach Number 78

Date	Air	H2O	Noise	Comment	Initial
9-24-2024	✓	✓	✓	NO INVASIVES WERE FOUND	EVO

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 79 South Fork- Santa Clara River T.G.: 4550-G3**
(Valencia Blvd Bridge Stabilizer)

Maintenance Plan:
Mechanically clear all vegetation, except the protected polygon. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Project start date: 9-17-2024 **Project end date:** 9-17-24

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jorge Sandoval Title: Contract Admn Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 79 South Fork- Santa Clara River** **T.G.: 4550-G3**
(Valencia Blvd Bridge Stabilizer)

Maintenance Plan:
Mechanically clear all vegetation, except the protected polygon. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 79 South Fork- Santa Clara River T.G.: 4550-G3**
(Valencia Blvd Bridge Stabilizer)

Maintenance Plan:
Mechanically clear all vegetation, except the protected polygon. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGTH HOURS COMPLIANCE .
WITH LOCAL NOISE ORDENANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name south fork- santa clara river.
Reach Number #79

Date	Air	H2O	Noise	Comment	Initial
9-17-24	✓	✓	✓	NONE	J.M

8923518

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 80 South Fork- Santa Clara River** **T.G.: 4550-F2**
(PD's 1947 & 1946)

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND REMOVAL OF VEGETATION WITHIN LIMITS, WATER TRUCK WAS USED FOR DUST CONTROL AT ALL TIMES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Project start date: 10-04-2024 **Project end date:** _____

Completed by: Name: EMILIO NIEVES Title: PMCL Date: 10-04-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No. 80 South Fork- Santa Clara River** **T.G.: 4550-F2**
(PD's 1947 & 1946)

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES Title: PWA Date: 10-04-2024

Approved by: Name: Juan Cabrera Title: FTCS Date: 10/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 80 South Fork- Santa Clara River T.G.: 4550-F2 (PD's 1947 & 1946)**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES Title: PWI Date: 10-04-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name SOUTH FORK / SANTA CLARA RIVER
Reach Number 80

Date	Air	H2O	Noise	Comment	Initial
10-04-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND.	ENO

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 82 Santa Clara River Main Channel (PD 2278)** **T.G.: 4550 - D1**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-16-2024 **Project end date:** 9-16-2024

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jaye Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 82 Santa Clara River Main Channel (PD 2278)** **T.G.: 4550 - D1**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions: NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 82 Santa Clara River Main Channel (PD 2278)** **T.G.: 4550 - D1**

Maintenance Plan:
Mechanically clear all vegetation within 15 feet from the levee slope lining along the entire reach. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-19-24.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/19/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Santa Clara River.
Reach Number #82

Date	Air	H2O	Noise	Comment	Initial
9-16-24	✓	✓	✓	NONE	J.M

8923462

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 86 Violin Canyon M.C.O.** **T.G.: 4369 - J7**

Maintenance Plan:
Mechanical equipment will be used to maintain the reach clear of all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND REMOVAL OF ALL VEGETATION, WATER TRUCK WAS USED FOR DUST CONTROL AT ALL TIMES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 10-09-2024 **Project end date:** 10-18-2024

Completed by: Name: EMILIO NIEVES Title: PWCI Date: 10-09-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/21/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No. 86 Violin Canyon M.C.O.** **T.G.: 4369 - J7**

Maintenance Plan:
Mechanical equipment will be used to maintain the reach clear of all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ WE-1 Wind Erosion Control
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-9 Straw Bale Barriers
- ☐ SS-2 Preservation of Existing Vegetation
- ☑ NS-4 Temporary Stream Crossing
- ☐ SC-1 Silt Fence
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

_____

_____

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

_____

_____

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 10-09-2024

Approved by: Name: Juan Gutierrez Title: FCCS Date: 10/21/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 86 Violin Canyon M.C.O.** **T.G.: 4369 - J7**

Maintenance Plan:
Mechanical equipment will be used to maintain the reach clear of all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 10-09-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/21/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name VIOLIN OVN OUTLET
Reach Number 86

Date	Air	H2O	Noise	Comment	Initial
10-09-2024	✓	✓	✓	NO INVASIVE PLANTS REMOVED	ENO
10-10-2024	✓	✓	✓	" "	ENO
10-11-2024	✓	✓	✓	" "	ENO
10-15-2024	✓	✓	✓	" "	ENO
10-16-2024	✓	✓	✓	" "	ENO
10-17-2024	✓	✓	✓	" "	ENO
10-18-2024	✓	✓	✓	" "	ENO

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 87 Castaic-The Old Road Drainage T.G.: 4459-H5 (CDR 525.021D) Outlet**

Maintenance Plan:
Hand clear a 20-foot path from the riprap outlet to the main watercourse, Castaic Creek. The tree canopy will remain, but with a clear "tunnel" path to convey flows. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED.

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-16-2024 **Project end date:** 9-16-2024

Completed by: Name: Jorge MARTINEZ Title: Supervisor Date: 9-16-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 87 Castaic-The Old Road Drainage T.G.: 4459-H5**
(CDR 525.021D) Outlet

Maintenance Plan:
Hand clear a 20-foot path from the riprap outlet to the main watercourse, Castaic Creek. The tree canopy will remain, but with a clear "tunnel" path to convey flows. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions: NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-16-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 87 Castaic-The Old Road Drainage T.G.: 4459-H5 (CDR 525.021D) Outlet**

Maintenance Plan:
Hand clear a 20-foot path from the riprap outlet to the main watercourse, Castaic Creek. The tree canopy will remain, but with a clear "tunnel" path to convey flows. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-16-24.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Castaic - The old Road Drainage
Reach Number #87

Date	Air	H2O	Noise	Comment	Initial
9-16-24	✓	✓	✓	NONE	T. A M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 88 Hasley Canyon Upper (PD T1496)** **T.G.: 4459 - C3**

Maintenance Plan:
North of Sharp Road: Mechanically clear all vegetation within 15 feet of the toe of the levee. North of Sharp Road: Mechanically clear all vegetation within 50 feet upstream and downstream of the bridge. North of Sharp Road: Allow native shrubs to establish and existing mature native trees to remain elsewhere. South of Sharp Road: Hand clear all vegetation from the riprap. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-16-2024 **Project end date:** 9-16-2024

Completed by: Name: JORGE MARTINEZ Title: Supervisor Date: 9-16-2024

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 88 Hasley Canyon Upper (PD T1496)** **T.G.: 4459 - C3**

Maintenance Plan:
North of Sharp Road: Mechanically clear all vegetation within 15 feet of the toe of the levee. North of Sharp Road: Mechanically clear all vegetation within 50 feet upstream and downstream of the bridge. North of Sharp Road: Allow native shrubs to establish and existing mature native trees to remain elsewhere. South of Sharp Road: Hand clear all vegetation from the riprap. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge MARTINEZ Title: Supervisor Date: 9-16-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 88 Hasley Canyon Upper (PD T1496)** **T.G.: 4459 - C3**

Maintenance Plan:
North of Sharp Road: Mechanically clear all vegetation within 15 feet of the toe of the levee. North of Sharp Road: Mechanically clear all vegetation within 50 feet upstream and downstream of the bridge. North of Sharp Road: Allow native shrubs to establish and existing mature native trees to remain elsewhere. South of Sharp Road: Hand clear all vegetation from the riprap. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE LOCAL NOISE ORDINANCES.

Disposition:
✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: JORGE MARTINEZ Title: Supervisor Date: 9-16-24.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Hasley Canyon Upper.
Reach Number # 88

Date	Air	H2O	Noise	Comment	Initial
9-16-2024	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 89 Hasley Canyon South Fork T.G.: 4459-C3 (PD T1496)**

Maintenance Plan:
Hand-clear all vegetation except mature oak trees.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVL OF VEGETATION ONLY.
NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-18-2024 **Project end date:** 9-18-24

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-18-24

Approved by: Name: Jaz Sandoval Title: Contract Admin Date: 9/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 89 Hasley Canyon South Fork (PD T1496)** **T.G.: 4459-C3**

Maintenance Plan:
Hand-clear all vegetation except mature oak trees.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ____ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-16-24.

Approved by: Name: Jorge Smolera Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 89 Hasley Canyon South Fork (PD T1496)** **T.G.: 4459-C3**

Maintenance Plan:
Hand-clear all vegetation except mature oak trees.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-16-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Hasley Canyon south fork.
Reach Number #89

Date	Air	H2O	Noise	Comment	Initial
9-16-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 90 Hasley Canyon Lower (North Fork RD T1496)** **T.G.: 4459-C3**

Maintenance Plan:
Mechanically clear all vegetation.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY.
NO WATER TRUCK NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-16-2024 **Project end date:** 9-16-24

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-16-24

Approved by: Name: Jose Sandoval Title: Contract Admn Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 90 Hasley Canyon Lower (North Fork RD T1496)** **T.G.: 4459-C3**

Maintenance Plan:
Mechanically clear all vegetation.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-16-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 90 Hasley Canyon Lower (North Fork RD T1496)** **T.G.: 4459-C3**

Maintenance Plan:
Mechanically clear all vegetation.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-16-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Hasley canyon lower
Reach Number # 90

Date	Air	H2O	Noise	Comment	Initial
9-16-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 91 San Martinez Chiquito U/S of Keningston Rd** **T.G.: 4459-A6 TO B6**

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED.

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-12-2024 **Project end date:** 9-12-2024

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-12-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/12/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 91 San Martinez Chiquito T.G.: 4459-A6 TO B6**
U/S of Keningston Rd

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ WE-1 Wind Erosion Control
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-9 Straw Bale Barriers
- ☐ SS-2 Preservation of Existing Vegetation
- ☑ NS-4 Temporary Stream Crossing
- ☐ SC-1 Silt Fence
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions: NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez. Title: Supervisor Date: 9-12-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/12/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 91 San Martinez Chiquito T.G.: 4459-A6 TO B6**
U/S of Keningston Rd

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGTH HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-12-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/12/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name San Martinez chiquito.
Reach Number # 91

Date	Air	H2O	Noise	Comment	Initial
9-12-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 92 San Martinez Chiquito T.G.: 4459-A6 TO B6**
Unnamed tributary U/S of Keningston Rd

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-12-2024 **Project end date:** 9-12-2024.

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-12-24.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/12/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 92 San Martinez Chiquito** **T.G.: 4459-A6 TO B6**
Unnamed tributary U/S of Keningston Rd

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-12-24.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/12/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 92 San Martinez Chiquito T.G.: 4459-A6 TO B6**
Unnamed tributary U/S of Keningston Rd

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-12-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/12/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name San Martinez chiquito.
Reach Number #92

Date	Air	H2O	Noise	Comment	Initial
9-12-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 93 San Martinez Chiquito** **T.G.: 4459 - B6**
Keningston Rd to Val Verde Park

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-12-2024 **Project end date:** 9-12-2024

Completed by: Name: Jorge MARTINEZ Title: Supervisor Date: 9-12-2024.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/12/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 93 San Martinez Chiquito** **T.G.: 4459 - B6**
Keningston Rd to Val Verde Park

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions: NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-12-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/12/24

C:\Users\Owner\AppData\Local\Temp\584d9466-4489-40f1-801f-c0de84cd9450_PW-SBC Mitigation Reports.zip.450\Reach 93.doc

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 93 San Martinez Chiquito** **T.G.: 4459 - B6**
Keningston Rd to Val Verde Park

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-12-24.

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/12/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name San Martinez Chiquito.
Reach Number ~~#~~ 93

Date	Air	H2O	Noise	Comment	Initial
9-12-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 94 San Martinez Chiquito Val Verde Park to D/S of Madison St** **T.G.: 4459 - C6 TO D7**

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-16-2024 **Project end date:** 9-16-2024

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-16-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 94 San Martinez Chiquito T.G.: 4459 - C6 TO D7**
Val Verde Park to D/S of Madison St

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

_____

_____

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

_____

_____

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-16-24

Approved by: Name: Jaye Sandoval Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 94 San Martinez Chiquito T.G.: 4459 - C6 TO D7**
Val Verde Park to D/S of Madison St

Maintenance Plan:
Hand-clear all the vegetation within the pipe and wire channel.
The embankment vegetation will be left in place.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE. WITH LOCAL NOISE ORDINACES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-16-24.

Approved by: Name: Jay. Sandoval Title: Contract Admin Date: 9/16/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name San Marinez Chiquito.
Reach Number #94

Date	Air	H2O	Noise	Comment	Initial
9-16-24	✓	✓	✓	NONE	J. M

8924935

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 95 Project No. 1224** **T.G.: 4087 - H5**

Maintenance Plan:
Mechanically clear all the vegetation within the pipe and wire channel The embankment vegetation will be left in place. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION WITHIN LIMITS. WATER TRUCK WAS USED FOR DUST CONTROL AND WAS USED AS NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 10-08-2024 **Project end date:** 10-18-2024

Completed by: Name: EMILIO NIEVES Title: PWC Date: 10-08-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/21/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 1.6 TONS

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: Reach No. 95 Project No. 1224 **T.G.: 4087 - H5**

Maintenance Plan:
Mechanically clear all the vegetation within the pipe and wire channel The embankment vegetation will be left in place. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 10-08-2024

Approved by: Name: Juan Cisneros Title: FCCS Date: 10/21/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: Reach No. 95 Project No. 1224 **T.G.: 4087 - H5**

Maintenance Plan:
Mechanically clear all the vegetation within the pipe and wire channel The embankment vegetation will be left in place. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 10-08-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/21/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name PROJECT # 1224
Reach Number 95

Date	Air	H2O	Noise	Comment	Initial
10-08-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND	ENO
10-09-2024	✓	✓	✓	" " "	ENO
10-10-2024	✓	✓	✓	" " "	ENO
10-11-2024	✓	✓	✓	" " "	ENO
10-15-2024	✓	✓	✓	" " "	ENO
10-16-2024	✓	✓	✓	" " "	ENO
10-17-2024	✓	✓	✓	" " "	ENO
10-18-2024	✓	✓	✓	" " "	ENO

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 96 PD 1591 Calabasas** **T.G.: 599-G5**

Maintenance Plan:
Hand clear all vegetation from the inlet and outlet approaches to the box culvert under Vicasa Drive, except in protected polygons. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

Power tools used (weed eaters, hedge trimmers, and pole saws) have approved exhaust and were used to remove vegitation. Dust was kept to a minimum.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 9-30-24 **Project end date:** 10-7-24

Completed by: Name: Richard Almanza Title: PW C L Date: 10-7-24
Anthony Miranda

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** 50

Location/Channel Reach#: **Reach No. 96 PD 1591 Calabasas** **T.G.: 599-G5**

Maintenance Plan:
Hand clear all vegetation from the inlet and outlet approaches to the box culvert under Vicasa Drive, except in protected polygons. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☐ SS-1 Scheduling
- ☐ WE-1 Wind Erosion Control
- ☐ SS-9 Temporary Drains and Swales
- ☑ SC-9 Straw Bale Barriers
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ NS-4 Temporary Stream Crossing
- ☐ SC-1 Silt Fence
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
Straw waddle was placed at the end of the reach before work was started

Biologist on site: ☐ No ☐ Yes **Date:** _____

Biologist Comments/Instructions:
_____

_____

Completed by: Name: Richard Almanza / Anthony Miranda Title: PW CL Date: 10-7-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 96 PD 1591 Calabasas** **T.G.: 599-G5**

Maintenance Plan:
Hand clear all vegetation from the inlet and outlet approaches to the box culvert under Vicasa Drive, except in protected polygons. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

All power hand tools have state approved mufflers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Work was started after 7:00 am so that neighbors would not be disturbed

Completed by: Name: Richard Almanza / Anthony Mirano Title: PwCL Date: 10-7-24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Dry Canyon (Calabasas) PD1591
Reach Number # 96

Date	Air	H2O	Noise	Comment	Initial
9/30	✓	✓	✓	Straw waddie was placed at end of reach before work was started	RA
10/1	✓	✓	✓	" "	RA
10/2	✓	✓	✓	" "	RA
10/3	✓	✓	✓	" "	RA
10/4	✓	✓	✓	" "	RA
10/7	✓	✓	✓	" work complete"	RA

8923181

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 97 PD 1982** **T.G.: 4459- H5 TO H6**

Maintenance Plan:
The reach clearing work will involve mechanically clearing all vegetation and trees along the entire length of the levee at a width of 15 feet and clearing and grading 45-degree, 12- foot-wide low flows from the side outlets to the center of the main watercourse. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL REMOVAL OF ALL VEGETATION WITHIN LIMITS, WATER TRUCK SPRAYED WATER PRIOR REMOVAL AND WAS USED AS NEEDED

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 10-15-2024 **Project end date:** 10-15-2024

Completed by: Name: EMILIO NIEVES Title: PWCI Date: 10-15-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No. 97 PD 1982** **T.G.: 4459- H5 TO H6**

Maintenance Plan:
The reach clearing work will involve mechanically clearing all vegetation and trees along the entire length of the levee at a width of 15 feet and clearing and grading 45-degree, 12- foot-wide low flows from the side outlets to the center of the main watercourse. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES Title: PWL Date: 10-15-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 97 PD 1982** **T.G.: 4459- H5 TO H6**

Maintenance Plan:
The reach clearing work will involve mechanically clearing all vegetation and trees along the entire length of the levee at a width of 15 feet and clearing and grading 45-degree, 12- foot-wide low flows from the side outlets to the center of the main watercourse. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES Title: PWCI Date: 10-15-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name CASTAIC CREEK
Reach Number 97

Date	Air	H2O	Noise	Comment	Initial
10-15-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND	ENO

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 98 Walnut Creek - Channel Inlet** **T.G.: 599-E6**

Permit Requirements:
There are no permit requirements requiring mitigation of air quality.

Description of Activity/Method of Implementation:
Crews cut the vegetation with hand tools and collected the cuttings for proper disposal.

Disposition: _X_ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Project start date: 11/1/2024 **Project end date:** 12/26/2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons) 11**

Mitigation Measure #: 2 **Exotic Veg. Removed (Square Feet) 4**

Location/Channel Reach#: **Reach No. 98 Walnut Creek - Channel Inlet** **T.G.: 599-E6**

Permit Requirements:
The permit requires that we monitor water quality at both the upstream and downstream limits of the work when water is flowing.

Description of Activity/Method of Implementation:
Water was present at the site and water quality sampling was conducted before, during, and after our work at the site. The clearing takes place at the transition from a natural stream to a hard bottom stream. Water ponds just upstream of the concrete lined channel headwall. BMPs were installed just downstream to catch any cuttings or debris that may wash down as a result of our efforts. All clearing work in this reach was carried out by hand. During the work, water quality was monitored upstream, downstream, and within the work area.

Disposition: X Water monitoring was performed.

____ Water monitoring was not fully implemented. Further action is required. (Please explain below.)

____ Water monitoring was not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
Water samples were taken before, during, and after completed work.

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:
None

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 98 Walnut Creek - Channel Inlet** **T.G.: 599-E6**

Permit Requirements:
There are no permit requirements requiring mitigation of noise.

Description of Activity/Method of Implementation:
No mitigation of noise efforts was undertaken; however, noise was not an issue on this clearing project because everything was removed by hand crews and no equipment was utilized. During our operation we received no complaint calls from adjacent businesses or homeowners due to noise, dust or any other nuisance.

Disposition: _X_ No mitigation measure required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
None

Completed by: Rigo Yescas Title: FCCS Date: 12/26/24

Approved by: _____ Title: Civil Engineer Date: 06/01/2025
James Benken

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 99 Kagel Canyon** **T.G.: 482- J5 TO J7**

Permit Requirements:
Hand clearing work will be performed to keep all vegetation clear in this reach.

Description of Activity/Method of Implementation:

DEBRUSHING / CUTTING VEGETATION, PRUNING AND CUTTING BACK BUSHES. TOOLS USED, WEED WIPES, LOPPERS, HEDGERS AND OTHER HAND TOOLS.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NO DUST WAS PICKED UP DURING VEGETATION CUTTING.

Project start date: 9-16-2024 **Project end date:** 10-2-2024

Completed by: Name: TOM MILLER Title: PWCL Date: 1-29-25

Approved by: Name: [signature] Title: CS Date: 1/29/25

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 99 Kagel Canyon** **T.G.: 482- J5 TO J7**

Permit Requirements:
Hand clearing work will be performed to keep all vegetation clear in this reach.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ ESC1 Scheduling
- ☐ ESC2 Preservation of Existing Vegetation
- ☑ ESC21 Dust Control
- ☐ ESC22 Temporary Stream Crossing
- ☑ ESC31 Temporary Drains and Swales
- ☐ ESC50 Silt Fence
- ☑ ESC51 Straw Bale Barriers
- ☑ ESC52 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
ALL CUT VEGETATION WAS REMOVED AND HAULED AWAY.
STRAW BALES / BMP'S INSTALLED IN VARIOUS LOCATIONS.

Biologist on site: ☑ **No** ☐ **Yes** **Date:** N/A

Biologist Comments/Instructions:
N/A

Completed by: Name: TOM MILLER Title: PWCL Date: _____

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 99 Kagel Canyon** **T.G.: 482- J5 TO J7**

Permit Requirements:
Hand clearing work will be performed to keep all vegetation clear in this reach.

Description of Activity/Method of Implementation:

ALL WORK WAS STARTED AFTER 8 A.M.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

POWER TOOLS WERE ONLY USED WHEN NECESSARY.

Completed by: Name: TOM MILLER Title: PWCL Date: _____

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**
Location/Channel Reach #: **Reach No.100 Dry Canyon Calabasas** **T.G.: 559-G4**

Maintenance Plan:
Hand clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

ALL WORK WAS PERFORMED USING HAND/POWER TOOLS SUCH AS WEED EATERS, HEDGERS, AND POLE SAWS. ALL POWER TOOLS ARE EQUIPPED WITH PROPER EXHAUST SYSTEM.

Disposition: X Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Project start date: 9/25/24 **Project end date:** 9/25/24

Completed by: Name: ANTHONY MIRANO Title: PWCL Date: 9/25/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 1.44

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** -0-

Location/Channel Reach #: **Reach No.100 Dry Canyon Calabasas** **T.G.: 559-G4**

Maintenance Plan:
Hand clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☒ SS-1 Scheduling
- ☐ WE-1 Wind Erosion Control
- ☐ SS-9 Temporary Drains and Swales
- ☒ SC-9 Straw Bale Barriers
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ NS-4 Temporary Stream Crossing
- ☐ SC-1 Silt Fence
- ☐ SC-8 Sand Bag Barriers

Disposition: X Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
STRAW WADDLE BMP WAS PLACED AT THE END OF REACH.

Biologist on site: ☐ **Yes** ☒ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: ANTHONY MIRANO Title: PWCL Date: 9/25/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach #: **Reach No.100 Dry Canyon Calabasas** **T.G.: 559-G4**

Maintenance Plan:
Hand clear all vegetation. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

ALL POWER TOOLS USED CONTAIN PROPER MUFFLERS. ALL WORK WAS PERFORMED AFTER 8AM SO RESIDENTS WERE NOT DISTURBED

Disposition:
- X Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

Completed by: Name: ANTHONY MIRANDA Title: PWCL Date: 9/25/24

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name DRY CYN CHANNEL
Reach Number 100

Date	Air	H2O	Noise	Comment	Initial
9/25/24	X	X	X	START OF PROJECT. STRAW WADDLE PLACED AT END OF REACH. PROJECT COMPLETED.	

8979560

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**
Location/Channel Reach #: **Reach No. 101 Violin Canyon (PD's 1707 & 2312)** **T.G.: 4369-G6**

Maintenance Plan:
Mechanically clear vegetation in a 15-foot-wide path along the toe of both levee slopes. Mechanically clear and grade 10-foot wide entrainment channel from all outlets, extending to the centerline of the channel at a 45-degree angle. Allow native vegetation to establish in the remainder of the channel. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL REMOVAL OF ALL VEGETATION WITHIN LIMITS. WATER TRUCK WAS USED AS NEEDED FOR DUST CONTROL.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE.

Project start date: 10-21-2024 **Project end date:** 10-22-2024

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 10-21-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/28/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 7.74 TONS

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach #: **Reach No. 101 Violin Canyon) (PD's 1707 & 2312)** **T.G.: 4369- G6**

Maintenance Plan:
Mechanically clear vegetation in a 15-foot-wide path along the toe of both levee slopes. Mechanically clear and grade 10-foot wide entrainment channel from all outlets, extending to the centerline of the channel at a 45-degree angle. Allow native vegetation to establish in the remainder of the channel. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 10-21-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/28/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach #: **Reach No. 101 Violin Canyon (PD's 1707 & 2312)** **T.G.: 4369- G6**

Maintenance Plan:
Mechanically clear vegetation in a 15-foot-wide path along the toe of both levee slopes. Mechanically clear and grade 10-foot wide entrainment channel from all outlets, extending to the centerline of the channel at a 45-degree angle. Allow native vegetation to establish in the remainder of the channel. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 10-21-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/28/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name VIOLIN CYN CHANNEL
Reach Number 101

Date	Air	H2O	Noise	Comment	Initial
10-21-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND	ENO
10-22-2024	✓	✓	✓	" " "	ENO

8978222

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**
Location/Channel Reach #: **Reach No. 102 Violin Canyon (PD 2275)**

Maintenance Plan:
Mechanically remove all vegetation within 15 feet of the toe of the right levee. Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending to the centerline of the channel at a 45-degree angle. Mature trees in the entrainment channel at the downstream outlet will be lollipopped instead of cleared. Mechanically remove vegetation, bank to bank, over the three drop structures, which are currently hidden from view by sediment. Initial effort: Remove 750 cubic yards of accumulated sediment from the three drop structures in order to expose them and provide flow velocity control. Subsequent years: Re-grade 200 cubic yards of sediment during subsequent years over the same footprint as the initial removal. The cleared drop structure areas will be used as pathways for equipment transport. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL REMOVAL OF ALL VEGETATION WITHIN LIMITS, WATER TRUCK WAS USED FOR DUST CONTROL AND WAS USED AS NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 10-09-2024 **Project end date:** 10-18-2024

Completed by: Name: EMILIO NIEVES Title: PWA Date: 10-09-2024

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach #: **Reach No. 102 Violin Canyon (PD 2275)**

Maintenance Plan:
Mechanically remove all vegetation within 15 feet of the toe of the right levee. Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending to the centerline of the channel at a 45-degree angle. Mature trees in the entrainment channel at the downstream outlet will be lollipopped instead of cleared. Mechanically remove vegetation, bank to bank, over the three drop structures, which are currently hidden from view by sediment. Initial effort: Remove 750 cubic yards of accumulated sediment from the three drop structures in order to expose them and provide flow velocity control. Subsequent years: Re-grade 200 cubic yards of sediment during subsequent years over the same footprint as the initial removal. The cleared drop structure areas will be used as pathways for equipment transport. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

☑ SS-1 Scheduling	☐ SS-2 Preservation of Existing Vegetation
☐ WE-1 Wind Erosion Control	☑ NS-4 Temporary Stream Crossing
☐ SS-9 Temporary Drains and Swales	☐ SC-1 Silt Fence
☐ SC-9 Straw Bale Barriers	☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

_____

_____

Biologist on site: ☐ **Yes** ☑ **No** **Date:** _____

Biologist Comments/Instructions:

_____

_____

Completed by: Name: EMILIO NIEVES Title: PWC1 Date: 10-09-2024

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach #: **Reach No. 102 Violin Canyon (PD 2275)**

Maintenance Plan:
Mechanically remove all vegetation within 15 feet of the toe of the right levee. Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending to the centerline of the channel at a 45-degree angle. Mature trees in the entrainment channel at the downstream outlet will be lollipopped instead of cleared. Mechanically remove vegetation, bank to bank, over the three drop structures, which are currently hidden from view by sediment. Initial effort: Remove 750 cubic yards of accumulated sediment from the three drop structures in order to expose them and provide flow velocity control. Subsequent years: Re-grade 200 cubic yards of sediment during subsequent years over the same footprint as the initial removal. The cleared drop structure areas will be used as pathways for equipment transport. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

_____

_____

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES Title: PWA Date: 10-09-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/21/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name VIOLIN GYN CHANNEL
Reach Number 102

Date	Air	H2O	Noise	Comment	Initial
10-09-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND	ENO
10-10-2024	✓	✓	✓	" "	ENO
10-11-2024	✓	✓	✓	" " "	ENO
10-15-2024	✓	✓	✓	" " "	ENO
10-16-2024	✓	✓	✓	" " "	ENO
10-17-2024	✓	✓	✓	" " "	ENO
1018-2024	✓	✓	✓	" " "	ENO

84778282

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach#: **Reach No. 103 (PD 2225)** **T.G. 4450-H1, H2, G2**
Bouquet Canyon Channel

Maintenance Plan:
Mechanically clear vegetation on a 15-foot wide path along the toe of both levee slopes. Clear all vegetation over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). Initial effort: Remove 3,000 cubic yards of sediment over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). Initial effort: Grade and clear a 10-foot-wide entrainment channel that would extend for 50 feet at a 20-degree angle and might require the removal of roughly 56 cubic yards of sediment. Subsequent years: Remove accumulated sediment from grouted riprap and grade the entrainment channel from the outlet. This could total roughly 100 cubic yards per year. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL REMOVAL OF VEGETATION WITHIN LIMITS, WATER TRUCK WAS USED TO MINIMIZED DUST AND WAS USED AS NEEDED.

Disposition:
✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-30-2024 **Project end date:** 10-16-2024

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 9-30-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach#: **Reach No. 103 (PD 2225)** **T.G. 4450-H1, H2, G2**
Bouquet Canyon Channel

Maintenance Plan:
Mechanically clear vegetation on a 15-foot wide path along the toe of both levee slopes. Clear all vegetation over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). Initial effort: Remove 3,000 cubic yards of sediment over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). Initial effort: Grade and clear a 10-foot-wide entrainment channel that would extend for 50 feet at a 20-degree angle and might require the removal of roughly 56 cubic yards of sediment. Subsequent years: Remove accumulated sediment from grouted riprap and grade the entrainment channel from the outlet. This could total roughly 100 cubic yards per year. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 9-30-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 103 (PD 2225)** **T.G. 4450-H1, H2, G2**
Bouquet Canyon Channel

Maintenance Plan:
Mechanically clear vegetation on a 15-foot wide path along the toe of both levee slopes. Clear all vegetation over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). Initial effort: Remove 3,000 cubic yards of sediment over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). Initial effort: Grade and clear a 10-foot-wide entrainment channel that would extend for 50 feet at a 20-degree angle and might require the removal of roughly 56 cubic yards of sediment. Subsequent years: Remove accumulated sediment from grouted riprap and grade the entrainment channel from the outlet. This could total roughly 100 cubic yards per year. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition:
✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIETO-GOMEZ Title: PWA Date: 9-30-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name BOUQUET CYN CHANNEL
Reach Number 103

Date	Air	H2O	Noise	Comment	Initial
9-30-2024	✓	✓	✓	30 SF OF ARUNDO REMOVED	ENO
10-01-2024	✓	✓	✓	40 SF OF ARUNDO REMOVED	ENO
10-02-2024	✓	✓	✓	60 SF OF ARUNDO REMOVED	ENO
10-03-2024	✓	✓	✓	50 SF OF ARUNDO REMOVED	ENO
10-04-2024	✓	✓	✓	80 SF OF ARUNDO REMOVED	ENO
10-07-2024	✓	✓	✓	80 SF OF ARUNDO REMOVED	ENO
10-08-2024	✓	✓	✓	100 SF OF ARUNDO REMOVED	ENO
10-09-2024	✓	✓	✓	NO INVASIVES REMOVED	ENO
10-10-2024	✓	✓	✓	" " "	ENO
10-11-2024	✓	✓	✓	" " "	ENO
10-15-2024	✓	✓	✓	" " "	ENO
10-16-2024	✓	✓	✓	" " "	ENO

8978243

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 104 Castaic Creek (PD 2441)** **T.G.: 4459-H5**

Maintenance Plan:
All activities will follow the 2002 General Maintenance Plan for Castaic Creek and Hasley Canyon Drain. Those activities are summarized here. Hand clear all woody vegetation, including large trees within a 15-foot-wide path along the toe of left bank's slope lining. Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending up to 30 feet from the toe of the levee at a 45-degree angle. Trees with a diameter-at-breast-height over four inches will be avoided. Light equipment such as a Caterpillar D-6 or equivalent may be used and will avoid ponded water. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non - native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND REMOVAL OF ALL VEGETATION WITHIN LIMITS. WATER TRUCK WAS USED FOR DUST CONTROL AS NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-27-2024 **Project end date:** 9-30-2024

Completed by: Name: EMILIO NIEVES-GRODNER Title: PWCL Date: 9-27-2024

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach#: **Reach No. 104 Castaic Creek (PD 2441)** **T.G.: 4459-H5**

Maintenance Plan:
All activities will follow the 2002 General Maintenance Plan for Castaic Creek and Hasley Canyon Drain. Those activities are summarized here. Hand clear all woody vegetation, including large trees within a 15-foot-wide path along the toe of left bank's slope lining. Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending up to 30 feet from the toe of the levee at a 45-degree angle. Trees with a diameter-at-breast-height over four inches will be avoided. Light equipment such as a Caterpillar D-6 or equivalent may be used and will avoid ponded water. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non - native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ No ☐ Yes **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWA Date: 9-27-2024

Approved by: Name: _____ Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 104 Castaic Creek (PD 2441)** **T.G.: 4459-H5**

Maintenance Plan:
All activities will follow the 2002 General Maintenance Plan for Castaic Creek and Hasley Canyon Drain. Those activities are summarized here. Hand clear all woody vegetation, including large trees within a 15-foot-wide path along the toe of left bank's slope lining. Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending up to 30 feet from the toe of the levee at a 45-degree angle. Trees with a diameter-at-breast-height over four inches will be avoided. Light equipment such as a Caterpillar D-6 or equivalent may be used and will avoid ponded water. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non - native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES-RODRIGUEZ Title: PWCL Date: 9-22-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/10/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name CASTAIC CREEK
Reach Number 104

Date	Air	H2O	Noise	Comment	Initial
9-27-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND	END
9-30-2024	✓	✓	✓	" " "	END

8978200

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 105 San Francisquito Canyon Channel (PD 2456)**

Maintenance Plan:
All activities will follow the Natural Rivers Management Plan. Those activities are summarized here.
Hand clear all woody vegetation, including large trees, within a 15-foot-wide path along the toe of the left bank's slope lining.
Mechanically clear and grade a 10-foot-wide entrainment channel from outlet at Station 7+34, extending up to 60 feet from the toe of the levee at a 45-degree angle. Trees with a diameter-at-breast-height over four inches will be avoided. Light equipment such as a Caterpillar D-6 or equivalent may be used and will avoid ponded water.
Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND REMOVAL OF VEGETATION WITHIN LIMITS. WATER TRUCK WAS USED TO MINIMIZED DUST AND SPRAYED AS NEEDED.

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 10-03-2024 **Project end date:** _____

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 10-03-2024

Approved by: Name: Juan Cabrera Title: FLCS Date: 10/7/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: **2** **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach #: **Reach No. 105 San Francisquito Canyon Channel (PD 2456)**

Maintenance Plan:
All activities will follow the Natural Rivers Management Plan. Those activities are summarized here.
Hand clear all woody vegetation, including large trees, within a 15-foot-wide path along the toe of the left bank's slope lining.
Mechanically clear and grade a 10-foot-wide entrainment channel from outlet at Station 7+34, extending up to 60 feet from the toe of the levee at a 45-degree angle. Trees with a diameter-at-breast-height over four inches will be avoided. Light equipment such as a Caterpillar D-6 or equivalent may be used and will avoid ponded water.
Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instruction:

Completed by: Name: EMILIO NUÑEZ ORDONEZ Title: PWA Date: 10-03-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/7/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: **3**

Location/Channel Reach #: **Reach No. 105 San Francisquito Canyon Channel (PD 2456)**

Maintenance Plan:
All activities will follow the Natural Rivers Management Plan. Those activities are summarized here.
Hand clear all woody vegetation, including large trees, within a 15-foot-wide path along the toe of the left bank's slope lining.
Mechanically clear and grade a 10-foot-wide entrainment channel from outlet at Station 7+34, extending up to 60 feet from the toe of the levee at a 45-degree angle. Trees with a diameter-at-breast-height over four inches will be avoided. Light equipment such as a Caterpillar D-6 or equivalent may be used and will avoid ponded water.
Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 10-03-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/7/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name SAN FRANCISQUITO C/N CHANNEL
Reach Number 105

Date	Air	H2O	Noise	Comment	Initial
10-03-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND.	FNO

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

8424954

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 108 – Pico Canyon Channel – PD 2528**
T.G.: 4640-C1 to C7

Maintenance Plan:
Mechanically remove accumulated sediment, debris, and all woody vegetation in the reach. Weeds and grasses may be controlled by mowing or hand labor. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL & HAND REMOVAL OF ALL VEGETATION WITHIN REACH. WATER TRUCK SPRAYED WATER PRIOR TO VEGETATION REMOVAL AND WAS USED AS NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 10-29-2024 **Project end date.** 12/06/2024

Completed by: Name: EMILIO NIEVES Title: PWA Date: 12/06/2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 12/12/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: **2** **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach #: **Reach No. 108 – Pico Canyon Channel – PD 2528**
T.G.: 4640-C1 to C7

Maintenance Plan:
Mechanically remove accumulated sediment, debris, and all woody vegetation in the reach. Weeds and grasses may be controlled by mowing or hand labor. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practices were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ No ☐ Yes **Date:** _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 12/06/2024

Approved by: Name: Ivan Cabrera Title: FCCS Date: 12/12/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: **3**

Location/Channel Reach #: **Reach No. 108 – Pico Canyon Channel – PD 2528**
T.G.: 4640-C1 to C7

Maintenance Plan:
Mechanically remove accumulated sediment, debris, and all woody vegetation in the reach. Weeds and grasses may be controlled by mowing or hand labor. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES Title: PWCL Date: 12/06/2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 12/12/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name PICO CAN CHANNEL
Reach Number 108

Date	Air	H2O	Noise	Comment	Initial
10-29-2024	✓	✓	✓	NO INVASIVE PLANTS REMOVED.	ENO
10-30-2024	✓	✓	✓	" " "	ENO
12-04-2024	✓	✓	✓	" " "	AF
12-05-2024	✓	✓	✓	" " "	AF
12-06-2024	✓	✓	✓	" " "	AF

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 109 Santa Clara River-South Bank West of McBean Parkway (MTD 1510)**

Maintenance Plan:
Mechanically remove all woody vegetation within a 15-foot-wide path along the toe of the left levee for the entire reach. Grade and clear a 10-foot-wide entrainment channel at a 45-degree angle from the outlet up to 30 feet from the toe of the levee. Trees in the entrainment channel at the downstream outlet will be lollipopped instead of cleared. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HAND WORK OF REMOVAL OF VEGETATION ONLY, NO WATER TRUCK NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-17-2024 **Project end date:** 9-17-2024

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-17-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** _____

Mitigation Measure #: 2 **Exotic Veg. Removed (Sq. Ft.)** _____

Location/Channel Reach #: **Reach No. 109 Santa Clara River-South Bank West of McBean Parkway (MTD 1510)**

Maintenance Plan:
Mechanically remove all woody vegetation within a 15-foot-wide path along the toe of the left levee for the entire reach. Grade and clear a 10-foot-wide entrainment channel at a 45-degree angle from the outlet up to 30 feet from the toe of the levee. Trees in the entrainment channel at the downstream outlet will be lollipopped instead of cleared. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions: NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instruction:

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-17-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach #: **Reach No. 109 Santa Clara River-South Bank West of McBean Parkway (MTD 1510)**

Maintenance Plan:
Mechanically remove all woody vegetation within a 15-foot-wide path along the toe of the left levee for the entire reach. Grade and clear a 10-foot-wide entrainment channel at a 45-degree angle from the outlet up to 30 feet from the toe of the levee. Trees in the entrainment channel at the downstream outlet will be lollipopped instead of cleared. Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way. Clear trash, debris, and non -native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL NOISE ORDINANCES

Disposition:
- ✓ Mitigation measure has been implemented. No further action is required.
- ____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)
- ____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: Jorge Martinez Title: Supervisor Date: 9-17-24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/17/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name Santa Clara River
Reach Number #109

Date	Air	H2O	Noise	Comment	Initial
9-17-24	✓	✓	✓	NONE	J.M

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: **1**

Location/Channel Reach #: **Reach No. 110 Hasley Canyon Channel (PD 2262)**

Maintenance Plan:
Mechanically clear all vegetation.
Mechanically clear and grade 10-foot-wide entrainment channels from all outlets, extending up to 30 feet from the toe of the levee at a 45-degree angle.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION WITHIN LIMITS, WATER TRUCK SPRAYED WATER PRIOR VEGETATION REMOVAL AND WAS USED AS NEEDED.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

___ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

___ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Project start date: 9-27-2024 **Project end date:** 10-09-2024

Completed by: Name: EMILIO NIEVES-ORDAZ Title: PWCL Date: 9-27-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/21/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** Ø

Mitigation Measure #: **2** **Exotic Veg. Removed (Sq. Ft.)** Ø

Location/Channel Reach #: **Reach No. 110 Hasley Canyon Channel (PD 2262)**

Maintenance Plan:
Mechanically clear all vegetation.
Mechanically clear and grade 10-foot-wide entrainment channels from all outlets, extending up to 30 feet from the toe of the levee at a 45-degree angle.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:
Due to hydrological conditions in the reach during the vegetation clearing operations, the following Best Management Practice were deemed to be applicable and were implemented:

- ☑ SS-1 Scheduling
- ☐ SS-2 Preservation of Existing Vegetation
- ☐ WE-1 Wind Erosion Control
- ☑ NS-4 Temporary Stream Crossing
- ☐ SS-9 Temporary Drains and Swales
- ☐ SC-1 Silt Fence
- ☐ SC-9 Straw Bale Barriers
- ☐ SC-8 Sand Bag Barriers

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:
NONE

Biologist on site: ☑ **No** ☐ **Yes** **Date:** _____

Biologist Comments/Instruction:

Completed by: Name: EMILIO NIEVES ORDONEZ Title: PWCL Date: 9-27-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/21/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM
Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: **3**

Location/Channel Reach #: **Reach No. 110 Hasley Canyon Channel (PD 2262)**

Maintenance Plan:
Mechanically clear all vegetation.
Mechanically clear and grade 10-foot-wide entrainment channels from all outlets, extending up to 30 feet from the toe of the levee at a 45-degree angle.
Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH LOCAL ORDINANCES.

Disposition: ✓ Mitigation measure has been implemented. No further action is required.

____ Mitigation measure is not fully implemented. Further action is required. (Please explain below.)

____ Mitigation measure is not in compliance. Further action is required. (Please explain below.)

Comments/Revisions:

NONE

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PLICL Date: 9-27-2024

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/21/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Reach Name HASLEY CAN CHANNEL
Reach Number 110

Date	Air	H2O	Noise	Comment	Initial
9-27-2024	✓	✓	✓	NO INVASIVE PLANTS WERE FOUND	END
9-30-2024	✓	✓	✓	40 SF OF ARUNDO REMOVED	END
10-01-2024	✓	✓	✓	NO INVASIVE PLANTS REMOVED	END
10-02-2024	✓	✓	✓	" " "	END
10-03-2024	✓	✓	✓	" " "	END
10-04-2024	✓	✓	✓	" " "	END
10-07-2024	✓	✓	✓	100 SF OF ARUNDO REMOVED	END
10-08-2024	✓	✓	✓	NO INVASIVE PLANTS REMOVED	END
10-09-2024	✓	✓	✓	" " "	END

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 112 (Ballona Creek)
Impact Issue:	Air Quality
Mitigation Measure No:	1

Permit Requirements:
The maintenance plan for vegetation removal includes the usage of hand tools and mechanical equipment, and associated repair of riprap at locations designated for vegetation removal. Annual vegetation removal will remove invasive and exotic vegetation. California bulrush marsh is allowed to be mowed down to six inches above the height of the grouted riprap. Any overgrown vegetation affecting the original capacity of the channel surface area will be maintained by pulling the roots outside the area with a long reach excavator. There will be no removal of root mass from existing 0.66 acres of California bulrush marsh in the upper section. No herbicide will be used. A boom with a silt curtain will be temporarily installed to prevent sediment from entering the water column.

Description of Activity/Method of Implementation:
Proper vegetation removal methods were conducted at Ballona Creek. Bulrush was mowed to allow for midge pellet application this year. All non-native vegetation was removed and hauled away using hand tools. Floating debris was collected by hand and disposed of properly. Minimal amount of dust was generated. Water trucks were used for dust suppression when appropriate.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 11/05/24 **Project End Date:** 11/26/24

Completed by:

Name:	David Pardo
Title:	C.S.
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 112 (Ballona Creek)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	29

Permit Requirements:
The permit requires that we monitor water quality at upstream, midpoint and downstream limits when water is flowing in the channel.

Description of Activity/Method of Implementation:
Water sampling was conducted before, during and after during all clearing activity. Proper vegetation removal methods were conducted at Ballona Creek. Bulrush was mowed this year. All non-native vegetation was removed and hauled away using hand tools. A silt curtain was installed, and floating debris was collected and disposed of properly. All equipment was cleaned before leaving the site. BMP's including a floating boom with silt curtain were implemented. The following Best Management Practice were also deemed to be applicable and implemented:

- SS-1 Scheduling
- SS-2 Preservation of Existing Vegetation
- WE-1 Wind Erosion Control
- SS-8 Sandbag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Biologist on Site: Yes **Date on Site:** During site activity

Comments/Revisions:
Work was done in the channel avoiding water. Water Quality Sampling results provided in Annual Report.

Completed by:

Name:	David Pardo
Title:	C. S.
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 112 (Ballona Creek)
Impact Issue:	Noise
Mitigation Measure No:	3

Permit Requirements:
There are no permit requirements requiring mitigation of noise levels.

Description of Activity/Method of Implementation:
Proper vegetation removal methods were conducted at Ballona Creek. Bulrush was mowed this year. All non-native vegetation was removed and hauled away using hand tools. Activity in the reach maintained moderate noise levels during the daily working hours (Mon-Sat, 7am-4pm). Hand crews and equipment did not have any significant noise problems and we received no complaints from businesses or homeowners.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	David Pardo
Title:	C.S
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Ballona Creek Reach 112

Date	Air	H_2O	Noise	Comment	Initial
11-5-24	CLEAR	NONE	LOW		M.D.
11-6-24	Cloudy	NONE	LOW		M.D.
11-7-24	Clear	None	Low		M.D.
11-12-24	Clear	None	Low		M.D.
11-14-24	Clear	None	Low		M.D.
11-18-24	Cloudy	None	Low		M.D.
11-19-24	Clear	None	Low		M.D.

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Ballona Creek Reach 112

Date	Air	H_2O	Noise	Comment	Initial
11-20-24	Clear	None	Low		M.D.
11-21-24	Clear	None	Low		M.D.
11-25-24	Cloudy	None	Low		CC
11-26-24	Clear	None	Low		CC

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 114 (Los Angeles River)
Impact Issue:	Air Quality
Mitigation Measure No:	1

Permit Requirements:
The annual maintenance activities from (PCH to Seaside St) shall include the mechanical removal of accumulated debris, mowing of vegetation growing on the banks and stream bed, and in-kind structural repair to restore facility to as-built condition. Weeds and grasses may be controlled by mowing or hand labor. No herbicide will be used and decontamination of all tools and equipment prior to entering and exiting the Reach is required.

Description of Activity/Method of Implementation:
Proper vegetation removal methods were conducted along the Los Angeles River. Vegetation was removed by hand tools and mechanical equipment, which included mowing and removal of Arundo and Castor bean along invert and side slopes. A contractor (Oakridge) was used to do side slope work on the Left Bank. Generation of dust was kept at a minimum during vegetation removal. Water trucks were used for dust suppression when appropriate.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 11/5/24 **Project End Date:** 11/18/24

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERMAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 114 (Los Angeles River)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	10 tons

Permit Requirements:
The permit requires that we monitor water quality at upstream, midpoint and downstream limits when water is flowing in the channel.

Description of Activity/Method of Implementation:
Water sampling was conducted "before, during, and after" during all clearing activity. Vegetation was removed by hand tools and mechanical equipment, which included mowing and removal of Arundo and Castor Bean along invert and side slopes. A contractor (Oakridge) was used to do side slope work on the Left Bank. All equipment was washed before leaving the site. The following Best Management Practices were deemed to be applicable and were implemented:

- SS-1 Scheduling
- SS-2 Preservation of Existing Vegetation
- WE-1 Wind Erosion Control
- SS-8 Sandbag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Biologist on Site: No **Date on Site:** _____

Comments/Revisions:
Work was done in the channel avoiding water. Water Quality Sampling results provided in Annual Report.

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 114 (Los Angeles River)
Impact Issue:	Noise
Mitigation Measure No:	3

Permit Requirements:
There are no permit requirements requiring mitigation of noise levels.

Description of Activity/Method of Implementation:
Proper vegetation removal methods were conducted along the Los Angeles River. Vegetation was removed by hand tools and mechanical equipment, which included mowing and removal of Arundo and Castor Bean along invert and side slopes. A contractor (Oakridge) was used to do side slope work on the Left Bank. Activity in the reach maintained moderate noise levels during the daily working hours (Mon-Sat, 7am-4pm). Hand crews and equipment did not have any significant noise problems and we received no complaints from businesses or homeowners.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name LA River
Reach Number 114

Date	Air	H2O	Noise	Comment	Initial
11/5/24	GOOD	GOOD	GOOD	2 employes working the grounds removing castor bean loading truck 4 employes clearing slopes Westside	ET
11/6/24	GOOD	GOOD	GOOD	2employes working the grounds removing castor bean 1 dump truck 1 loader loading truck in river 5 employes clearing slopes Westside	ET
11/7/24	GOOD	GOOD	GOOD	3 employes working the grounds removing castor bean 1 dump truck 1 loader loading truck in river 4 employes clearing slopes Westside	ET
11/8/24	GOOD	GOOD	GOOD	3 employes working the grounds removing castor bean 1 dump truck 1 loader loading truck in river 8 employes clearing slopes Westside	ET
11/12/24	GOOD	GOOD	GOOD	2employes working the grounds removing castor bean 1 dump truck 1 loader loading truck in river 5 employes clearing slopes Westside, 2 excavators down in need of repair	ET
11/14/24	GOOD	GOOD	GOOD	3 employes working the grounds removing castor bean 1 dump truck 1 loader loading truck in river 4 employes clearing slopes Westside, 1 excavators down in need of repair 1 excavator plucking Eastside	ET
11/15/24	GOOD	GOOD	GOOD	3 employes working the grounds removing castor bean 1 dump truck 1 loader loading truck on roadway 7 employes clearing slopes Westside, 1 excavator plucking Eastside	ET

11/18/24	GOOD	GOOD	GOOD	4 employes working the grounds removing castor bean 1 dump truck 1 skid steer loading truck on roadway 3 employes clearing slopes Westside, 1 excavator plucking Eastside Work Completed	ET

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 115 (San Gabriel River)
Impact Issue:	Air Quality
Mitigation Measure No:	1

Permit Requirements:
Maintenance activity includes a one-time woody vegetation removal with hand tools, mechanical equipment, and repair of displaced soil and rip rap along the levee. The annual maintenance activities shall include removal of accumulated debris, vegetation, woody plants by hand tools and/or mechanical equipment. A silt curtain containing a floating boom with a skirt below the water level will be installed to prevent sediment from entering the water column. Floating debris shall be collected and disposed of properly. To avoid loss of Bats maintenance activity shall be conducted between October 1 and February 28. A turtle mitigation plan shall be approved prior to annual maintenance activity can begin.

Description of Activity/Method of Implementation:
Proper woody vegetation removal methods were conducted along the San Gabriel River. Vegetation, trees, and shrubs were removed using mechanical equipment and hand tools. Generation of dust was kept at a minimum during vegetation removal. Water trucks were used for dust suppression when appropriate.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

_____

_____

_____

Project Start Date: 10/09/24 **Project End Date:** 12/13/24

Completed by:

Name:	[signature]
Title:	Construction Superintendent II
Date:	05/01/2025

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civ. / Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 115 (San Gabriel River)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	76 Tons

Permit Requirements:
The permit requires that we monitor water quality at upstream, midpoint and downstream limits when water is flowing in the channel.

Description of Activity/Method of Implementation:
Water sampling was conducted before, during and after during all clearing activity. Proper woody vegetation removal methods were conducted along the San Gabriel River. Vegetation, trees, and shrubs were removed using mechanical equipment and hand tools. A silt curtain was installed, and floating debris was collected and disposed of properly. All equipment was cleaned before leaving the site. BMP's including a floating boom with silt curtain were implemented. The following Best Management Practice were also deemed to be applicable and implemented:

- SS-1 Scheduling
- SS-2 Preservation of Existing Vegetation
- WE-1 Wind Erosion Control
- SS-8 Sandbag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Biologist on Site: Yes **Date on Site:** During site activity

Comments/Revisions:
Work was done avoiding water. Water Quality Sampling results provided in Annual Report. Biologist ensured staying above OHWL and implantation of Turtle Mitigation Plan.

Completed by:

Name:	[signature]
Title:	Construction Superintendent
Date:	05/01/2025

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 115 (San Gabriel River)
Impact Issue:	Noise
Mitigation Measure No:	3

Permit Requirements:
There are no permit requirements requiring mitigation of noise levels.

Description of Activity/Method of Implementation:
Proper woody vegetation removal methods were conducted along the San Gabriel River. Vegetation, trees, and shrubs, were removed using mechanical equipment and hand tools. Activity in the reach maintained moderate noise levels during the daily working hours (Mon-Sat, 7am-4pm). Hand crews and equipment did not have any significant noise problems and we received no complaints from businesses or homeowners.

Disposition:

✓	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	
Title:	Construction Superintendent I
Date:	05/01/2025

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name San Gabriel River
Reach Number 115

Date	Air	H2O	Noise	Comment	Initial
10-9-24	Good	Good	Low	Remove Caster Plant / Sunny Turtles in the AREA	
10-10-24	Good	Good	Low	Remove Vegetation throughout Chanel. Biogalist present	
10-11-24	Good	Good	Low	Remove Vegetation throughout Channel Bio Present	
10-15-24	Good	Good	Low	Continue Removing Vegetation From channel Bio present	
10-16-24	Good	Good	Low	continue Removing Vegetation From channel Bio present	
10-17-24	Good	Good	Low	continue Removing Vegetation From channel Bio present	
10-18-24	Good	Good	Low	Continue Removing Vegetation From Channel Bio present	
10-19-24	Good	Good	Low	Continue Removing Vegetation From channel Bio Present	
10-21-24	Good	Good	Low	continue Removing Vegetation From channel Bio Present	
10-22-24	Good	Good	Low	continue Removing Vegetation From Channel. Bio Present	
10-23-24	Good	Good	Low	continue Removing Vegetation From Channel. Bio present.	
10-24-24	Good	Good	Low	Continue Removing Vegetation From Channel Bio present	

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name San Gabriel River
Reach Number 115

Date	Air	H2O	Noise	Comment	Initial
10-25-24	Good	Good	Low	Continue Removing vegetation From channel. Bio Present	JC
10-26-24	Good	Good	Low	Continue Removing vegetation From channel. Bio Present	JC
10-28-24	Good	Good	Low	Continue Removing vegetation From channel. Bio Present	JC
10-29-24	Good	Good	Low	Continue Removing vegetation From channel. Bio present	JC
10-30-24	Good	Good	Low	Continue Removing vegetation From channel. Bio Present	JC
10-31-24	Good	Good	Low	Continue Removing vegetation Fromchannel. Bio present	JC
11-1-24	Good	Good	Low	Continue Removing vegetation From channel. Biologist Present.	JC
11-2-24	Good	Good	Low	Continue Removing Vegetation From channel. Bio present	JC
11-4-24	No Reach 115				JC
11-5-24	Good	Good	Low	Continue Removing Vegetation From channel, Bio Present	JC
11-6-24	Good	Good	Low	Continue Removing vegetation From channel Bio Present	JC
11-7-24	Good	Good	Low	Continue Removing Vegetation From channel Bio present	JC

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name San Gabriel River
Reach Number 115

Date	Air	H2O	Noise	Comment	Initial
11-8-24	Good	Good	Low	Continue Removing Vegetation From Channel. Bio present	JK
11-12-24	Good	Good	Low	Continue Removing Vegetation from channel. Bio Present	JK
11-13-24	Good	Good	Low	Continue Removing Vegetation From Channel. Bio present	JK
11-14-24	Good	Good	Low	Continue Removing Vegetation From channel. Bio present	JK
11-15-24	Good	Good	Low	Continue Removing Vegetation From Channel. Bio present	JK
11-16-24	Good	Good	Low	Continue Removing Vegetation From channel. Bio present	JK
11-18-24	Good	Good	Low	Continue Removing Vegetation From Channel. Bio present	JK
11-19-24	Good	Good	Low	Continue Removing Vegetation From Channel. Bio present	JK
11-20-24	Good	Good	Low	Continue Removing Vegetation From Channel. Bio present	JK
11-21-24	Good	Good	Low	Continue Removing Vegetation From channel. Bio present	JK
11-22-24	Good	Good	Low	Continue Removing Vegetation From Channel. Bio present	JK
11-23-24	Good	Good	Low	Continue Removing Vegetation From channel. Biologist Present	JK

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program
Reach Name San Gabriel River
Reach Number 115

No Reach 115 From 11-24-24 to 12-2-24 (Thanksgiving)

Date	Air	H2O	Noise	Comment	Initial
12-3-24	Good	Good	Low	Continue Removing Vegetation From channel. BIO present	JC
12-4-24	Good	Good	Low	Continue Removing Vegetation From channel. BIO present	JC
12-5-24	Good	Good	Low	Continue Removing Vegetation From channel BIO present	JC
12-6-24	Good	Good	Low	Continue Removing Vegetation From Channel BIO present	JC
12-7-24	Good	Good	Low	Continue Removing Vegetation From channel BIO present	JC
12-9-24	Good	Good	Low	Continue Removing vegetation From channel BIO present	JC
12-10-24	Good	Good	Low	Continue Removing Vegetation From Channel BIO present	JC
12-11-24	Good	Good	Low	Continue Removing Vegetation From channel BIO present	JC
12-12-24	Good	Good	Low	Continue Removing Vegetation From channel. BIO present	JC
12-13-24	Good	Good	Low	Completed Removing vegetation From channel BIO present	JC

San Gabriel River Reach 115 Daily Notes 2024/2025

Date: 10-9-24

Sunny/Cloudy in the morning
Remove Vegetation
5 personnel present

Date: 10-10-24

Sunny(PM) cloudy (AM) Low noise Good Air
6 people working.

Date: 10-11-24

Cloudy (AM) Sunny (PM) Low noise Good Air,
5 people working

Date: 10-15-24

cloudy all Day. Low noise Good Air
14 people working

Date: 10-16-24

Ope. Cloudy all day. Low noise Good Air.
11 people working.

San Gabriel River Reach 115 Daily Notes 2024/2025

Date: 10-17-24

Cloudy all day, ~~Continue Re~~ Low noise Good Air, Continue
12 people working.

Date: 10-18-24

Cloudy (AM) Sunny (PM) Low noise Good Air
10 people working.

Date: 10-19-24

Cloudy (AM) Sunny (PM) Low noise Good Air
8 people working

Date: 10-21-24

Cloudy all day Low noise Good Air.
7 people working.

Date: 10-22-24

Cloudy (AM) Sunny (PM) Low noise Good Air.
10 people working

San Gabriel River Reach 115 Daily Notes 2024/2025

Date: 10-23-24

Sunny all Day Low noise Good Air.
8 people present working.

Date: 10-24-24

Fogg (AM) Sunny (PM) work delay safety reasons
7 people working

Date: 10-25-24

Fog (AM) Sunny (PM) work delay safety Reasons
12 people working.

Date: 10-26-24

Sunny all day Low noise Good Air.
7 people working

Date: 10-28-24

Sunny all day Low noise Good Air
6 people working

San Gabriel River Reach 115 Daily Notes 2024/2025

Date: 10-29-24

Sunny all day. Low noise Good air
8 people working

Date: 10-30-24

~~7 pe~~. Sunny all day Low noise Good air
7 people working.

Date: 10-31-24

Sunny all day Low noise Good air
8 people working.

Date: 11-1-24

Sunny all day Low noise Good air
8 people working.

Date: 11-2-24

Sunny all day. Low noise Good air
7 people working.

San Gabriel River Reach 115 Daily Notes 2024/2025

Date: 11-~~5~~4-24

NO Reach 115

Date: 11-5-24

Sunny all day Low Noise Good air
5 people working

Date: 11-6-24

Sunny all day Low Noise Good air
10 people working

Date: 11-7-24

Sunny all day Low Noise Good air
10 people working

Date: 11-8-24

Sunny all day Low Noise Good air
13 people working.

San Gabriel River Reach 115 Daily Notes 2024/2025

Date: 11-12-24

Sunny all day Low Noise Good air
5 people working.

Date: 11-13-24

Sunny all day Low Nois Good air
5 People working.

Date: 11-14-24

Sunny all day Low Noise Good air.
10 people working

Date: 11-15-24

Sunny all day Low Noise Good air
11 people working.

Date: 11-16-24

Sunny all day Low Noise Good air
5 people working

San Gabriel River Reach 115 Daily Notes 2024/2025

Date: 11-18-24

Sunny all day Low Noise Good air
8 people working.

Date: 11-19-24

Sunny all day Low Noise Good air
5 people working.

Date: 11-20-24

Sunny all day Low Noise Good air
5 people working

Date: 11-21-24

Sunny all day Low Noise Good air
3 people working

Date: 11-22-24

Sunny all day Low Noise Good air
17 peeople working.

San Gabriel River Reach 115 Daily Notes 2024/2025

Date: 11-23-24

Sunny all day Low Noise Good air
5 people Working

No Work Reach 115 From 11-24-24 to 12-2-24 (Thanksgiving Week)

Date: ~~11-24-~~ 12-3-24

Sunny all day Low Noise Good air
8 people Working.

Date: 12-4-24

Sunny all day Low Noise Good air
7 people Working

Date: 12-5-24

Sunny all day Low Noise Good air
6 people working.

Date: 12-6-24

Sunny all day Low Noise Good air
14 people working.

San Gabriel River Reach 115 Daily Notes 2024/2025

Date: 12-7-24

Sunny all day Low Noise Good air & people working.

Date: 12-9-24

Sunny all day Low Noise Good air 10 people working

Date: 12-10-24

Sunny all day Low Noise Good air 10 people working.

Date: 12-11-24

Sunny all day Low Noise Good air 10 people working.

Date: 12-12-24

Sunny all day Low Noise Good air 8 people working

San Gabriel River Reach 115 Daily Notes 2024/2025

Date: 12-13-24

Sunny all Low Noise Good air
11 people working. Reach 115 Completed!!!

Date: _____

Date: _____

Date: _____

Date: _____

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 118 and 119 (Rustic and Rivas Channels)
Impact Issue:	Air Quality
Mitigation Measure No:	1

Permit Requirements:
Maintenance activity for these channels include vegetation removal by hand using hand tools such as weed eaters, hedge trimmers chainsaws, hoes, loppers, machetes, and a rubber-tracked skid steer as necessary. Minor deficiencies discovered will be repaired including filling voids with onsite material, repairing small portions of the wood walls, replacing support structures for the walls and appurtenant structure, and other miscellaneous items encountered. A two-striped garter snake relocation plan is required, and biological monitoring is required on-site daily during project activity.

Description of Activity/Method of Implementation:
No Annual SBC Activity conducted. Emergency Channel repairs were conducted in 2024-2025 due to recent storm events.

Disposition:

	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

_____

_____

_____

Project Start Date: N/A **Project End Date:** N/A

Completed by:

Name:	David Pardo
Title:	C.S.
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 118 and 119 (Rustic and Rivas Channels)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	0

Permit Requirements:
The permit requires that we monitor water quality at upstream, midpoint and downstream limits when water is flowing in the channel.

Description of Activity/Method of Implementation:
No Annual SBC Activity conducted. Emergency Channel repairs were conducted 2024-2025 due to recent storm events.

~~The following Best Management Practice were also deemed to be applicable and implemented:~~

- ~~SS-1 Scheduling~~
- ~~SS-2 Preservation of Existing Vegetation~~
- ~~WE-1 Wind Erosion Control~~
- ~~SS-8 Sandbag Barrier~~
- ~~SS-9 Straw Bale Barrier~~
- ~~NS-8 Vehicle and Equipment Cleaning~~

Disposition:

	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Biologist on Site: N/A **Date on Site:** _____

Comments/Revisions:

_____

_____

_____

_____

Completed by:

Name:	DAVID PAREDES
Title:	C.S.
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2024-2025 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 118 and 119 (Rustic and Rivas Channels)
Impact Issue:	Noise
Mitigation Measure No:	3

Permit Requirements:
There are no permit requirements requiring mitigation of noise levels.

Description of Activity/Method of Implementation:
No Annual SBC Activity conducted. Emergency Channel repairs were conducted 2024-2025 due to recent storm events.

Disposition:

	Mitigation measure has been implemented. No future action is required.
	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	David Pardo (David Pardo)
Title:	C. S.
Date:	5-6-25

Approved by:

Name:	EDEN BERHAN
Title:	Senior Civil Engineer
Date:	5/8/2025

ATTACHMENT NO. 3

PRE MAINTENANCE SURVEY FORMS

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 1

Name of Biologist: Jack Underwood **Date:** 10/10/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Willow Woodland is present on both banks of the channel. Within the channel riparian such as some sedges and cattail. Castor Bean is prevalent within the reach as well as some palm species.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Western fence lizard, house finch, killdeer, lesser goldfinch, yellow rumped warbler, American crow, California scrubjay, acorn woodpecker, Nuttals woodpecker, Annas hummingbird, black Phoebe

---

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 2

Name of Biologist: Jack Underwood **Date:** 10/21/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Cattail marsh and other riparian vegetation appear within the wetted area of the channels invert. On the slopes of the channel a mix of coast live oak-western sycamore woodland and willow woodland occur. Some castor bean and arrundo present within channel.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Ground squirrel, Orange crowned warbler, red-shouldered hawk, California towhee, song sparrow, yellow rumped warbler, chipmunk, acorn woodpecker, white crowned sparrow, house finch, black Phoebe, wrentit, Nuttals woodpecker, Annas hummingbird, Pacific cho

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 3

Name of Biologist: Steve Morris Date: 8/15/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Ruderal Vegetation.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Black Phoebe, Oak Titmouse, California Towhee, Lesser Goldfinch, House Finch, Mourning Dove, California Scrub-Jay, Bushtit, Bewick's Wren, White-breasted Nuthatch, Dark-eyed Junco, and Western Bluebird.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 4

Name of Biologist: Lela Updegrave **Date:** 10/25/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian/disturbed. ~15% nonnative. Nonnative grasses, mustard, Peruvian pepper

---

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: HOFI LEGO WCSP CORA BLPH BUSH CALT
Herps: black racer, western fence lizard.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 5

Name of Biologist: Other Observer **Date:** 10/11/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian woodland and emergent aquatic vegetation. Standing water present at southern and northern ends (dry in middle). Relative non-native cover ~50-60% (umbrella papyrus and maltese star thistle).

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Bird species observed: yellow-rumped warbler, northern flicker, spotted towhee, oak titmouse, house finch, Nuttall's woodpecker, acorn woodpecker, Bewick's wren, bushtit, dark-eyed junco, song sparrow, Anna's hummingbird, Allen's hummingbird, white-breast

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 6

Name of Biologist: Other Observer **Date:** 10/11/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian woodland and emergent aquatic vegetation. Standing water present across length of channel. Relative non-native cover ~50-60% (bristly oxtongue, maltese star thistle, and umbrella papyrus).

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Bird species observed: yellow-rumped warbler, spotted towhee, oak titmouse, house finch, bushtit, dark-eyed junco, song sparrow, Allen's hummingbird, mourning dove, northern mockingbird, scaly-breasted munia, and California towhee.
Mammal species observe

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 7

Name of Biologist: Jack Underwood **Date:** 9/11/2024

Special Permit Conditions:
Sensitive Reach. LBV/SWF surveys required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15. Monitoring required. Pilot project reach.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Both banks of the reach are dominated by willow riparian forest. Along the riprap, willow riparian scrub is evident. Mature Fremont cotton wood tree along the riprap on the west bank are allowed to remain. Within the invert cattail marsh and open water are present.

Notable Disturbances (anthropogenic and natural):
Homeless encampments are evident within the reach. trash is also present.

Wildlife Compendium:
Song sparrow, house finch, annas hummingbird, mourning dove. American crow, lesser goldfinch, California towhee, mallard.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 8

Name of Biologist: Jack Underwood **Date:** 10/21/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Reaches dominated by cattail marshland growing within the invert. Other spacious riparian vegetation present within the channel. Some Willow scrub growing within invert.

Notable Disturbances (anthropogenic and natural):
Some trash present within reach.

Wildlife Compendium:
Black Phoebe, western fence lizard, song sparrow, mallard,

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 9

Name of Biologist: Steve Morris Date: 8/15/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Adjacent ornamental trees overhanging reach.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Black Phoebe, American Crow

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 10

Name of Biologist: Other Observer **Date:** 10/10/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian, emergent aquatic vegetation, and tall grass (~75% relative non-native cover). Standing water still present at northernmost end of channel with middle and southern sections completely dry.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Bird species observed: house finch, black phoebe, western meadowlark, white-crowned sparrow, rock wren, blue-grey gnatcatcher, Allen's hummingbird, California towhee, northern mockingbird, marsh wren, scaly-breasted munia, red-tailed hawk.
Lizard species

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 10

Name of Biologist: Other Observer **Date:** 11/15/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian, emergent aquatic vegetation, and tall grass (~75% relative non-native cover). Standing water still present at northernmost end of channel with middle and southern sections completely dry.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Bird species observed: house finch, Cassin's kingbird, black phoebe, western meadowlark, lesser goldfinch, American kestrel, common yellowthroat, common raven, yellow-rumped warbler, song sparrow, European starling, bushtit, mourning dove, white-crowned s

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 12

Name of Biologist: Lela Updegrave Date: 10/25/2024

Special Permit Conditions:
Sensitive Reach. Santa Ana Sucker survey required. LBV/SWF surveys required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15. Monitoring required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian/wetland. ~10% nonnative, Ficus sp., non-native grasses.

Notable Disturbances (anthropogenic and natural):
Trash in the area

Wildlife Compendium:
Birds: CORA HOFI LEGO BLPH WCSP ANHU CALT YRWA MALL HUVI RCKI
Herps: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 13

Name of Biologist: Jack Underwood **Date:** 10/4/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Vegetation types consist of unvegetated wash and within the Upland areas rudural vegetation. The downstream portion of the reach consists of some marshy areas with some riparian herbaceous vegetation. Some scale broom scrub noticed on the Upland areas too.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
White crown sparrow, House finch, American Crow, Blue gray gnatcatcher, Spotted towhee, California towhee, Western fence lizard yellow rumped warbler, California Scrubjay.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 13

Name of Biologist: Lela Updegrave **Date:** 10/4/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Sagebrush/ disturbed. Nonnative grasses. 20% nonnative.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: HOFI WCSP BLPH RTHA CALT BUSH WREN
Mammals: California ground squirrel
Herps: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 14

Name of Biologist: Lela Updegrave **Date:** 9/30/2024

Special Permit Conditions:
Sensitive Reach. LBV, SWF, and YBC surveys required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15. Monitoring required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian and disturbed. Castor bean, tamarisk, mustard, tree of heaven ~10%

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: CAKI BLPH HOFI LASP YRWA SAPH
Mammals: California ground squirrel
Herps: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 15

Name of Biologist: Steve Morris Date: 8/15/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian herb, disturbed cattails, and ruderal vegetation in area maintained. Invasives are not a problem.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Cassin's Kingbird
American Crow
House Finch
Lesser Goldfinch
Lazuli Bunting

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 16

Name of Biologist: Jack Underwood **Date:** 9/17/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Disturbed wash with Ruderal vegetation makes up the majority of this channel. Non-native grasses are pretty much the only vegetation within the channels invert.

Notable Disturbances (anthropogenic and natural):
Trash seen on-site

Wildlife Compendium:
Common raven, Annas hummingbird, oak titmouse, lesser goldfinch, dark eyed junco, white breasted nuthatch, California towhee,

---

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 18

Name of Biologist: Jack Underwood **Date:** 9/17/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Ruderal vegetation (non-native grasses, disturbed) make up the majority of the channels invert. Coast live Oak Western Sycamore and eucalyptus trees overhang above the reach. Some ornamental trees like the California pepper are present on the toe of the reach as well.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Western fence lizard, ground squirrel, red tailed hawk, oak titmouse, spotted towhee, house finch, black Phoebe, Annas hummingbird,

---

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 19

Name of Biologist: Lela Updegrave **Date:** 10/28/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance. Pilot project reach.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Alluvial scrub. ~5% nonnative. Castor bean, non-native grasses.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: CORA DEJU CALT BUSH BLPH WREN CASJ YCSP
Herps: Western fence lizard
Mammals: California ground squirrel

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 20

Name of Biologist: Jack Underwood **Date:** 9/17/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance. Pilot project reach.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Ruderal vegetation and non-native grasses appear in the channels invert. Coast live oak woodland appears on the east bank of the channel as you face upstream. The West Bank is primarily ornamental vegetation.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
House finch, oak titmouse, lesser goldfinch, mourning dove, western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 21

Name of Biologist: Jack Underwood **Date:** 9/17/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance. Pilot project reach.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Ruderal vegetation and non-native grasses appear in the channels invert. Coast live oak woodland appears on the east bank of the channel as you face upstream. The West Bank is primarily ornamental vegetation.

Notable Disturbances (anthropogenic and natural):
None

Wildlife Compendium:
House finch, oak titmouse, lesser goldfinch, mourning dove, western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 22

Name of Biologist: Lela Updegrave Date: 10/28/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Alluvial scrub/disturbed.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: CORA AMCR HOFI SUTA WREN CALT CASJ
Mammals: fox squirrel
Herps: Western fence lizard.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 24

Name of Biologist: Jack Underwood Date: 10/7/2024

Special Permit Conditions:
None. Pilot project reach.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Bullrush and cat tail marsh appears within the wetted channel in the invert. Ruderal And non-native grasses appear within the Upland area of the invert.

Notable Disturbances (anthropogenic and natural):
Trash and homeless encampments present in the reach area.

Wildlife Compendium:
Great egret, house finch, black Phoebe, western fence lizard, red-shouldered hawk, Mallard, Northern Mockingbird, Song sparrow, Snowy egret.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 25a

Name of Biologist: Jack Underwood **Date:** 10/8/2024

Special Permit Conditions:
Pilot project. 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Primarily ruderal-herbaceous vegetation in areas maintained. Arrundo and castor bean present within reach.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Great blue heron, osprey, black necked stilt, red-eared slider, bufflehead, American coot, Pacific sloped flycatcher, double breasted cormorant, house finch, western gull, black Phoebe, red-eared slider, mallard, brown pelican, American wigeon, red-winged

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 25b

Name of Biologist: Jack Underwood **Date:** 10/8/2024

Special Permit Conditions:
Pilot project. 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Primarily ruderal-herbaceous vegetation in areas maintained. Arrundo and castor bean present within reach.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Great blue heron, osprey, black necked stilt, red-eared slider, bufflehead, American coot, Pacific sloped flycatcher, double breasted cormorant, house finch, western gull, black Phoebe, red-eared slider, mallard, brown pelican, American wigeon, red-winged

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 26

Name of Biologist: Steve Morris **Date:** 8/18/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Ruderal, and riparian herbaceous vegetation along with some ornamental vegetation present within maintained area. Some costor bean also present.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Western Gull
Red-shouldered Hawk
Black Phoebe
American Crow

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 27

Name of Biologist: Lela Updegrave **Date:** 9/18/2024

Special Permit Conditions:
Sensitive Reach. LBV, SWF, and YBC surveys required prior to maintenance. Requires flagging annualy to aid in riparian thinning limits. Avian sensitive reach: no work permitted March 1-Sept 15. 7-day avian survey required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian and disturbed. Willow, cottonwood, smartweed, non-native grasses and weeds.

Notable Disturbances (anthropogenic and natural):
Lots of trash in area

Wildlife Compendium:
Birds: SOSP GREG BLPH CORA HOFI MALL OATI
Herps: western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 28

Name of Biologist: Jack Underwood **Date:** 9/20/2024

Special Permit Conditions:
Sensitive Reach. LBV/SWF surveys required prior to maintenance. 30-day herpetofauna survey and additional 24- hour herpetofauna pre-maintnenace survey prior to maintenance activities due to potential for western pond turtle required. Avian sensitive reach

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Willow riparian forest, appears within the invert. Some western sycamore and coast live oak trees are also found within the invert. ruderal-non-native grades are found growing along the riprap.

Notable Disturbances (anthropogenic and natural):
None

Wildlife Compendium:
Red-winged blackbird, oak titmouse, song sparrow, western scrubjay, house finch, bushtit, house sparrow, lesser goldfinch, western fence lizard, ash throated flycatcher?, black Phoebe, acorn woodpecker, California scrubjay, Wilson's warbler, common side-b

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 29

Name of Biologist: Sarah Thomas **Date:** 10/30/2024

Special Permit Conditions:
Sensitive due to California Red-Legged Frog. Maintenance WILL NOT OCCUR until a pre-maintenance survey is conducted within 7 days prior to proposed maintenance activities and the results are NEGATIVE. Work Projected to START on 11/03/23 therefore Survey s

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Cattail Marsh, riparian herbaceous and ruderal vegetation in area maintained. Invasives not an issue.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Blph, rtha, wcsp, cato, nofl, cora, side-blotched lizard.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 32

Name of Biologist: Lela Updegrave Date: 10/28/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Wetland/riparian. Nonnative veg ~10%. Tamarisk, nonnative grasses,

---

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
BIRDS: CORA ACWO NOFL OATI WCSP
DEJU LEGO CALT
HERPS: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 33

Name of Biologist: Lela Updegrave **Date:** 11/6/2024

Special Permit Conditions:
30-day herpetofauna survey required and additional 24-hour herpetofauna pre-maintnenace survey prior to maintenance activities occurring due to potential for western pond turtle

---

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Wetland/riparian. Cattails, willow, cottonwood.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
YRWA CALT NUWO CORA BUSH HOFI

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 33

Name of Biologist: Lela Updegrave **Date:** 11/11/2024

Special Permit Conditions:
30-day herpetofauna survey required and additional 24-hour herpetofauna pre-maintnenace survey prior to maintenance activities occurring due to potential for western pond turtle

---

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Wetland and riparian.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
CORA BUSH CALT YRWA HOFI

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 35

Name of Biologist: Steve Morris Date: 8/17/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
a few Herbaceous shrubs and ornamental trees are present along the reach.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Mourning Dove
Black Phoebe
Common Raven

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 36

Name of Biologist: Lela Updegrave Date: 10/4/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian. Nonnative veg 40%. Pepper weed.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: HOFI BUSH CALT AMCR
Herps: Western fence lizard.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 37

Name of Biologist: Lela Updegrave Date: 10/4/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian/wetland. Non natives: grasses, pepper weed ~%5

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: BLPH CASJ CALT HOFI HOSP
Herps: Western fence lizard
Mammals: coyote

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 38

Name of Biologist: Jack Underwood **Date:** 10/9/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
The upstream portion of the reach consists of open water and cattail marsh. Herbaceous riparian vegetation can be found along the entirety of the reach. The wedding channel then flows into an area that is dominated by Willow Woodland/Willow riparian vegetation. Some coast live oak individuals present along reach.

Notable Disturbances (anthropogenic and natural):
Some trash and evidence of a homeless encampment

Wildlife Compendium:
Song sparrow, acorn woodpecker, California scrubjay, red-shouldered hawk, lesser goldfinch, Bewick's wren, house finch, oak titmouse, yellow rumped warbler, western fence lizard, spotted towhee, California towhee, parakeet?,

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 39

Name of Biologist: Jack Underwood **Date:** 8/21/2024

Special Permit Conditions:
Sensitive Reach. Santa Ana Sucker survey required. LBV, SWF, and YBC surveys required prior to maintenance. Avian sensitive reach: no work permitted March 1-Sept 15. 7-day avian survey and 30-day herpetofauna survey required. Monitoring required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Cattails, sticky snake root dominate the channel. Castor bean and cockleburr are prevalent on both banks and upland areas of the channel. Willow Forest located on the left bank.

Notable Disturbances (anthropogenic and natural):
Invasives prevalent. High water level was observed in the channel. Some trash present.

Wildlife Compendium:
Black Phoebe, house finch, California scrubjay, chorus frog, western fence lizard, Cassins kingbird, Bewick's wren, song sparrow, lesser goldfinch, American crow, oak titmouse, California towhee, acorn woodpecker, dark eyed junco, mosquito fish.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 40a

Name of Biologist: Jack Underwood **Date:** 9/30/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Coastal sage Scrub mixed with mulefat and willow scrub primarily dominated the invert of the channel. Willow scrub can be found along the main parts of the channel where evidence of flowing water (scouring marks Etc) was observed. Castor bean is highly prevalent within the channel. Along the wetted portions of the reach (the concrete dams) cattail marsh is present .

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Annas hummingbird, house finch, black Phoebe, common grackle yellow rumped warbler, lesser goldfinch, Pacific chorus frog, song sparrow, red-winged blackbird, barn swallow, mourning dove, American kestrel, western fence lizard, great egret snowy egret, gl

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 40b

Name of Biologist: Steve Morris Date: 1/7/2025

Special Permit Conditions:
Sensitive Reach. LBV, SWF, and YBC surveys required prior to maintenance. Flagging of protected polygons required in advance. Monitoring is required only in the segment starting at the first drop structure downstream of Valley Blvd down to the confluence

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Upstream of Valley Blvd, consists primarily of open water/ ruderal vegetation along the riprap. sections below Valley Blvd. consist of areas primarily comprised of willow riparian forest - willow riparian scrub. Ruderal upland present between Valley Blvd. and Thienes Ave. Castor bean and arrundo heavily present.

Notable Disturbances (anthropogenic and natural):
Trash and homeless encampments present. Area is not safe alone.

Wildlife Compendium:
Canada Goose
Mallard
Mourning Dove
Anna's Hummingbird
Killdeer
American White Pelican
Snowy Egret
American Kestrel
Black Phoebe
Say's Phoebe
American Crow
Common Raven
Bushtit
Ruby-crowned Kinglet
Blue-gray Gnatcatcher
Northern Mockingbird

Observation of Special Status Species (Y/N): N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 41

Name of Biologist: Jack Underwood **Date:** 9/12/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian herbaceous and ruderal vegetation present along invert and toe of the reach channel. Some willows present within invert as well.

Notable Disturbances (anthropogenic and natural):
Some trash present

Wildlife Compendium:
Red-winged blackbird, black-necked stilt, black-crowned night heron, great egret, killdeer, western gull, white-faced ibis, mallard, double breasted cormorant, grey blue heron, American crow, lesser goldfinch, house sparrow, song sparrow, mourning dove, w

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 42

Name of Biologist: Lela Updegrave **Date:** 11/18/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian.

Notable Disturbances (anthropogenic and natural):
Large and active unhoused community located in the area. Lots of trash.

Wildlife Compendium:
LEGO HOFI AMCO CORA BUSH WREN CALT

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 43a

Name of Biologist: Steve Morris **Date:** 9/16/2024

Special Permit Conditions:
Sensitive Reach. LBV, SWF, and YBC surveys required prior to maintenance. 30-day herpetofauna survey and additional 24- hour herpetofauna pre-maintnenace survey prior to maintenance activities due to potential for western pond turtle required. Avian sensi

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Ruderal vegetation along with Willows, Mulefat, and other riparian species. Castor Bean and Arundo are present in large quantities.

Notable Disturbances (anthropogenic and natural):
The San Gabriel River at Reach 43a has a golf course with a bike path on the west bank and industrial businesses on the east bank. The San Gabriel River Parkway bridge crosses the reach toward the lower end. Homeless encampments are present.

Wildlife Compendium:
Western Fence Lizard, California Ground Squirrel, Canada Goose, Mallard, Double-crested Cormorant, Great Blue Heron, Snowy Egret, Green Heron, Black-crowned Night-Heron, Anna's Hummingbird, Red-tailed Hawk, Nuttall's Woodpecker, Downy Woodpecker, Black Ph

Observation of Special Status Species (Y/N): No special status species were observed during today's surveys.

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
No special status species were observed during today's surveys.

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 43b

Name of Biologist: Jack Underwood **Date:** 9/12/2024

Special Permit Conditions:
Sensitive Reach. LBV, SWF, and YBC surveys required prior to maintenance. Requires flagging annualy to aid in riparian thinning limits. Avian sensitive reach: no work permitted March 1-Sept 15. 7-day avian survey required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Willow riparian woodland forms along the weeted edges of the channel flowing down the invert of this reach. In areas not along the wetted edge, ruderal vegetation, non-native grasses, and unvegetated wash are dominant. Castor bean and arrundo present within reach along with other nonnative and invasive species such as ash and palm trees.

Notable Disturbances (anthropogenic and natural):
Trash present within reach

Wildlife Compendium:
Northern mockingbird, house sparrow, lesser goldfinch, house finch, California towhee, black Phoebe, song sparrow, belted kingfisher, California quail, great egret, red winged black bird, common grackle, mourning dove, western fence lizard, great egret, t

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 44

Name of Biologist: Jack Underwood

Date: 9/12/2024 7:00:00 PM

Special Permit Conditions:
YBC surveys required. 30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Top of the reach consisted mostly open water and mixed Willow riparian forest with some cattail marsh. Rudural and herbaceous vegetation make up the toes of both banks of the channel. Castor bean is prevalent within reach and other invasives noticed as w

Notable Disturbances (anthropogenic and natural):
Trash and homeless encampments.

Wildlife Compendium:
House finch, mourning dove, black Phoebe, lesser goldfinch, bushtit, northern mockingbird, Annas hummingbird, savannah sparrow, red-winged blackbird, song sparrow, California towhee, house sparrow, pin-tailed whydah, California scrub-jay, western fence li

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 48

Name of Biologist: Sarah Thomas Date: 9/9/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Channel is void of vegetation, only sparse (1%) weedy species occur (e.g., bromus sp).

Notable Disturbances (anthropogenic and natural):
Human disturbances such as trash occurs.

Wildlife Compendium:
side-blotched lizard, CORA, SAPH, CATO.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 49

Name of Biologist: Sarah Thomas Date: 10/11/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Reach is void of vegetation only sparse (1%) non-native weedy species occur (e.g., bromus sp.).

Notable Disturbances (anthropogenic and natural):
Trash occurs in the reach

Wildlife Compendium:
side-blotched lizard, CORA, SAPH, CATO, CSJA.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 53

Name of Biologist: Jack Underwood **Date:** 9/27/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Developed-disturbed cattail marsh, and open water appears within this reach. Some other herbaceous vegetation appears in the upstream section.

Notable Disturbances (anthropogenic and natural):
Trash and evidence of homeless encampments present.

Wildlife Compendium:
Black Phoebe, house finch, California towhee, yellow rumped warbler, song sparrow, mourning Dove, American crow house sparrow, dark eyed junco

---

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 60

Name of Biologist: Lela Updegrave Date: 9/24/2024

Special Permit Conditions:
Sensitive Reach. UTS Survey required. 30-day herpetofauna required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Alluvial scrub. California broomsage, California buckwheat dominant. 10% nonnative.

Notable Disturbances (anthropogenic and natural):
Trash in the survey area

Wildlife Compendium:
BIRDS: WREN LEGO HOFI CASJ BGGN CALT
HERPS: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 61

Name of Biologist: Lela Updegrave **Date:** 9/24/2024

Special Permit Conditions:
Sensitive Reach. UTS Survey required. 30-day herpetofauna required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Alluvial scrub/riparian. Cottonwood, California broomsedge, California buckwheat, Yerba Santa, California sagebrush, mulefat. ~5% nonnative.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: CALT BLPH LEGO CASJ WREN HOFI CAKI
Herps: Western fence lizard.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 63

Name of Biologist: Jack Underwood **Date:** 9/16/2024

Special Permit Conditions:
Sensitive Reach. UTS Survey required. 30-day herpetofauna required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Amaranth, Russian thistle, and other ruderal-non-native vegetation make up the majority of the channels invert. Some mulefat and narrowleaf willow are present. A few fremont cottonwoods are also present. Invasives such as Castor bean and salt cedar present in reach.

Notable Disturbances (anthropogenic and natural):
Homeless encampment present in reach.

Wildlife Compendium:
Ground squirrel, American crow, common raven, lesser goldfinch, house finch, European starling, American Robin, northern mockingbird.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 64

Name of Biologist: Jack Underwood Date: 9/16/2024

Special Permit Conditions:
Sensitive Reach. UTS Survey required. 30-day herpetofauna required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Cattail Marsh, Fremont cottonwood-willow woodland dominate the reach. Other riparian herbaceous vegetation appears heavily in the invert. Some mulefat scrub present. Some castor bean present along the channel banks.

Notable Disturbances (anthropogenic and natural):
Some trash visible.

Wildlife Compendium:
Black Phoebe song sparrow, American crow, cottontail, spotted towhee, Annas hummingbird, acorn woodpecker, mourning dove, American Robin, common raven, red-shouldered hawk, California towhee,

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 66

Name of Biologist: Jack Underwood Date: 9/16/2024

Special Permit Conditions:
Sensitive Reach. UTS Survey required. 30-day herpetofauna required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Chaparral and sage scrub vegetation dominant the upstream portion of this reach. In the Santa Clara river portion of the reach, narrowleaf willow-fremont cottonwood scrub is present. Upland areas consist of non-native grasses and other ruderal vegetation. Invasives don't seem to be an issue.

Notable Disturbances (anthropogenic and natural):
Trash present within reach.

Wildlife Compendium:
Ground squirrel, Bewick's wren, wrentit, house finch, mourning dove, western fence lizard, cottontail, California scrubjay, California towhee, bushtit, spotted towhee, American crow, lesser goldfinch, common raven, black Phoebe, California quail,

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 67

Name of Biologist: Sarah Thomas **Date:** 9/9/2024

Special Permit Conditions:
Sensitive Reach. UTS Survey required. 30-day herpetofauna required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Reach consists of mixed willow thicket, non-native grassland, and ruderal vegetation types. Patches of arrundo present within reach.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Barn swallow, american crow, song sparrow, black phoebe, house sparrow, Anna's hummingbird, mourning dove, california scrub-jay, eurasian collared dove, Westen fence lizard,

---

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 69

Name of Biologist: Sarah Thomas **Date:** 9/9/2024

Special Permit Conditions:
Sensitive Reach. UTS Survey required. 30-day herpetofauna required. Monitoring for bats required if work is occuring near Urbandale Bridge.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Reach consists of mixed willow thicket, non-native grassland, and ruderal vegetation types. Patches of arrundo present within reach. Some cttail marhses present within reach.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Barn swallow, american crow, song sparrow, black phoebe, house sparrow, Anna's hummingbird, mourning dove, california scrub-jay, eurasian collared dove, Westen fence lizard,

---

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 70

Name of Biologist: Sarah Thomas **Date:** 3/3/2025

Special Permit Conditions:
Sensitive Reach. UTS Survey required. 30-day herpetofauna required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Consists primarily of unvegetated wash. Scale-broom scrub and mixed willow thicket are prevalent upstream from bridge. Invasives not an issue.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
American crow, Anna's hummingbird, house finch, black phoebe, mourning dove, yellow rumped warbler, white-crown sparrow, Western fence lizard, northern mockingbird

---

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 71

Name of Biologist: Jack Underwood Date: 9/27/2024

Special Permit Conditions:
Sensitive Reach. UTS survey required. LBV, SWF, and YBC surveys required prior to maintenance. Avian sensitive reach: no work permitted March 1-Sept 15. 7-day avian survey and 30-day herpetofauna survey required. Monitoring required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Scalebroom scrub-mulefat scrub make up the majority of ground cover within the reach. Some arroyo and narrow-leaf willow are present within the channel. A few fremont cotton woods are present along the channel. Invasives include some arrundo, but mostly salt cedar.

Notable Disturbances (anthropogenic and natural):
Some trash evident in reach.

Wildlife Compendium:
House finch, Bewick's wren, California quail, lesser goldfinch, California scrubjay, black Phoebe, Annas hummingbird, yellow-rumped warbler, song sparrow, California towhee, common yellowthroat, weatern fence lizard.

Observation of Special Status Species (Y/N): None

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
None

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 72

Name of Biologist: Jack Underwood **Date:** 9/3/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Fremont cottonwood forest can be found dominating the invert of the channel.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Turkey vulture (flyover), Lesser goldfinch, western fence lizard.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 73

Name of Biologist: Jack Underwood **Date:** 9/3/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Ruderal vegetation present within small portion of the reach.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Turkey vulture (flyover), Lesser goldfinch, western fence lizard.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 75

Name of Biologist: Jack Underwood **Date:** 9/13/2024

Special Permit Conditions:
Sensitive Reach. LBV/SWF surveys required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15. Monitoring required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Reach 75 consists primarily of Fremont cotton wood forest between Magic Mountain Pkwy and Orchard Village Rd. Dominant vegetation type between Orchard Village Rd and Lyons Avenue consists of Mixed willow thickets as well as scalebroom scrub and Mulefat thicket. Reach 75 also consists of large swathes of unvegetated wash.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Annas hummingbird, house finch, lesser goldfinch, black Phoebe, California towhee, nuttalls woodpecker, Bewick's wren, American goldfinch, song sparrow, western fence lizard, Eurasian collared dove, rock pigeon, red shouldered hawk, common raven, Californ

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 76

Name of Biologist: Jack Underwood **Date:** 9/17/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Reach is comprised of ruderal vegetation-disturbed unvegetated wash. Towards the middle section cattail marsh and other herbaceous riparian vegetation become dominant within the channels invert.

Notable Disturbances (anthropogenic and natural):
None

Wildlife Compendium:
Black Phoebe, spotted towhee, mallard, red-shouldered hawk, house finch, wrentit, ground squirrel, grey squirrel, Annas hummingbird, house sparrow, dark eyed junco, red winged blackbird, white breasted nuthatch, song sparrow, western fence lizard,

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 77

Name of Biologist: Jack Underwood **Date:** 9/18/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Ruderal-sage scrub vegetation is the dominant type within the reach. Polygons of fremont cottonwood woodland are also present. Invasives aren't really an issue.

Notable Disturbances (anthropogenic and natural):
Trash and some remnants of homeless encampments.

Wildlife Compendium:
California scrubjay, European starling, turkey vulture, house finch, bushtit, California quail, western fence lizard, California thrasher, cottontail. Common side blotched lizard,

---

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 78

Name of Biologist: Jack Underwood Date: 9/18/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Ruderal-sage scrub vegetation is the dominant type within the reach and found in the upland area. Invert of channel is unvegeatated wash. Arrundo present in upland areas.

Notable Disturbances (anthropogenic and natural):
trashand homeless encampment present.

Wildlife Compendium:
Common side blotched lizard, turkey vulture, house finch, California scrubjay, bushtit, California thrasher, California quail, western fence lizard, cottontail,

---

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 79

Name of Biologist: Jack Underwood **Date:** 9/13/2024

Special Permit Conditions:
Sensitive Reach. UTS, LBV, SWF, YBC, Arroyo toad, and Crotch bumble bee surveys required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Invert of channel is primarily disturbed unvegetated wash. Along the top of the channel, some individual Arroyo Willows are present. Some herbaceous vegetation found within the of the channel. Invasive don't seem to be an issue.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Black Phoebe, ground squirrel, California thrasher, Annas hummingbird, house finch, American crow, common raven, common side-blotched lizard, Bewick's wren, lesser goldfinch, western fence lizard.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 80

Name of Biologist: Jack Underwood **Date:** 10/2/2024

Special Permit Conditions:
Sensitive Reach. UTS, LBV, SWF, YBC, Arroyo toad, and Crotch bumble bee surveys required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Downstream portion of th Reach has small willow stalks growing along the invert where water has recently been. Other herbaceous vegetation can be seen as well. Further upstream this gives way to mixed Willow-fremont cottonwood woodland and other herbaceous riparian vegetation.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Common side blotched lizard, house sparrow, yellow rumped warbler, common raven, house finch, black Phoebe, turkey vulture, Bewick's wren, California scrubjay,

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 82

Name of Biologist: Jack Underwood **Date:** 9/13/2024

Special Permit Conditions:
Sensitive Reach. UTS, LBV, SWF, YBC, Arroyo toad, and Crotch bumble bee surveys required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Fremont Cottonwood – Willow Woodland is the dominant vegetation type within this reach. Understory is covered with non-native grasses palms Arundo and some caster bean. Telegraph weed and horse weed Make up some of the native Cover.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Black Phoebe, red shoulder hawk House finch, Lester Goldfinch, moutning Dove, turkey vulture, song sparrow, western fence lizard, American crow, common Raven, Bewick's wren, nuttals woodpecker, California quail, Common side blotched lizard, Common Raven,

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 86

Name of Biologist: Jack Underwood **Date:** 10/2/2024

Special Permit Conditions:
Sensitive Reach. UTS, LBV, SWF, Arroyo toad, and Crotch bumble bee surveys required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Within invert at top of the reach willow scrub and cattail marsh is present. Narrowleaf willow scrub is also present within the wetted section of the channel throughout the reach. On the upland portions of the reach, outside the wetted channel, the wash is primarily Ruderal-unvegetated.

Notable Disturbances (anthropogenic and natural):
Some trash and homeless encampments present downstream of concrete lined channel.

Wildlife Compendium:
Chorus frog, western fence lizard, house finch. American crow, Bewick's wren, Annas hummingbird, great egret, killdeer, lesser goldfinch, black Phoebe, common raven, mourning dove,

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 87

Name of Biologist: Jack Underwood **Date:** 9/13/2024

Special Permit Conditions:
Sensitive Reach. UTS, LBV, SWF, YBC, and Arroyo toad surveys required prior to maintenance. 30-day herpetofauna survey, 30-day rare plant survey and 7-day avian survey required. Requires flagging for rare plants. Avian sensitive reach: no work permitted M

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Willow-cottonwood woodland comprises the top story of the reach. Other native herbaceous vegetation such as horseweed and telegraph weed present in the understory. Non-native grasses and palms are present. Invasives such as salt cedar and arundo are also present within the reach.

Notable Disturbances (anthropogenic and natural):
Some trash present within the reach.

Wildlife Compendium:
Chorus frog, western fence lizard, house finch. American crow, Bewick's wren, Annas hummingbird, Wilson's warbler, great egret, lesser goldfinch, black Phoebe.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 88

Name of Biologist: Lela Updegrave Date: 9/12/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Disturbed/alluvial. Tree tobacco, California broom sage, California buckwheat. 5% nonnative.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: CORA BLPH AMCR HOFI LEGO
Herps: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 89

Name of Biologist: Lela Updegrave Date: 9/12/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Alluvial/oak woodland. Coast live oak, California buckwheat dominant.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: CAQU CORA CASJ HOFI
Mammals: coyote, California ground squirrel
Herps: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 90

Name of Biologist: Lela Updegrave Date: 9/12/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Alluvial. California buckwheat, mulefat, California broomsage, prickly pear, tree tobacco.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: CORA ACWO CASJ HOFI
Mammals: California ground squirrel
Herps: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 91

Name of Biologist: Lela Updegrave Date: 9/10/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Mixed oak woodland. Pepper tree, tree of heaven, oleander. ~75% non native.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: OATI NUWO CASJ HOFI ECDO ACWO WREN SPTO
Herps: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 92

Name of Biologist: Lela Updegrave Date: 9/10/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Disturbed. Juniper, tree of heaven, tree tobacco, Peruvian pepper tree. ~90% non-native.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: CASJ WREN HOFI LEGO
Herps: Coastal whiptail, western fence lizard

Observation of Special Status Species (Y/N): Juvenile coastal whiptail

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
Juvenile coastal whiptail

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 93

Name of Biologist: Lela Updegrave **Date:** 9/10/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Mixed oak woodland. Eucalyptus, pepper tree, tree of heaven.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: HOFI ECDO WREN CASJ ACWO LEGO
Herps: Western fence lizard
Mammals: California ground squirrel

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 94

Name of Biologist: Lela Updegrave **Date:** 9/12/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Disturbed vegetation. ~90% non-native. Tree of heaven, eucalyptus, tamarisk, tree tobacco dominated.

Notable Disturbances (anthropogenic and natural):
Trash in channel.

Wildlife Compendium:
Birds: CORA CASJ HOFI LEGO ACWO MODO
Mammals: California ground squirrel
Herps: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 95

Name of Biologist: Tyler Glasser Date: 10/10/2024

Special Permit Conditions:
Habitat survey for burrowing owl required. If survey is positive, burrowing owl survey will need to be conducted within 15-days of maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Mostly non-native cover (95 - 99%) along middle of drainage (primarily Russian thistle).

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
N/A

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 96

Name of Biologist: Jack Underwood Date: 9/26/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Coast live oak woodland with some interspersed willows is the dominant veg type within the reach. Cattail marsh appears within the invert along the upstream and downstream sections. Invasives which as arrundo and castor bean are present within the downstream portion of the channel.

Notable Disturbances (anthropogenic and natural):
Reach exists within an HOA.

Wildlife Compendium:
Black Phoebe, song sparrow, red tailed hawk, California scrubjay, mourning dove, song sparrow, house finch, broken turtle shell found within reach.

Observation of Special Status Species (Y/N): None observed

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
None observed

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 97

Name of Biologist: Sarah Thomas **Date:** 10/11/2024

Special Permit Conditions:
Sensitive Reach. UTS, LBV, SWF, YBC, Arroyo toad and Crotch bumble bee surveys required prior to maintenance. 30-day herpetofauna survey, 30-day rare plant survey and 7-day avian survey required. Requires flagging for rare plants. Avian sensitive reach: n

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Vegetation is cottonwood willow with alluvial sage scrub in the understory and upland portions. Non-native species occurring in the channel include palm (Washingtonia sp.), arrundo donax, tamarisk (Tamarix sp.), non-native brome grasses. Most vegetation is native (~90% native).

Notable Disturbances (anthropogenic and natural):
Disturbances include scouring from high flows, and trash from surrounding development (e.g., chair and tire in active channel).

Wildlife Compendium:
DOWO, CATO, BGGN, NOFL, RTHA, CORA, BEWR, HOWR, HOFI, EUST, NOMO, MODO, CASJ, SOSP, WCSP, western fence lizard, side-blotched lizard.

Observation of Special Status Species (Y/N): 34°27'04"N 118°36'57"W three individuals, flowering/fruiting; 34°27'03"N 118°36'57"W four individuals, flowering/fruiting; 34°27'03"N 118°36'58"W ~fifty individuals, flowering/fruiting; 34°27'00"N 118°37'01"W five individuals, flowering/fruiting; 34°27'01

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
34°27'04"N 118°36'57"W three individuals, flowering/fruiting; 34°27'03"N 118°36'57"W four individuals, flowering/fruiting; 34°27'03"N 118°36'58"W ~fifty individuals, flowering/fruiting; 34°27'00"N 118°37'01"W five individuals, flowering/fruiting; 34°27'01

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 98

Name of Biologist: Lela Updegrave Date: 10/29/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Wetland/riparian. ~5% nonnative grasses.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: WREN OATI ACWO CAKI YRWA DEJU CORA BLPH WCSP MALL

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 99

Name of Biologist: Jack Underwood Date: 9/16/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Coast live oak-western sycamore woodland overshadow a fair amount of the reach. Riparian herbaceous vegetation can be found within the channels invert. Castor bean, ailanthus (tree of heaven) and Arrundo are interspersed throughout the reach.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Wrentit, house finch, lesser goldfinch, black Phoebe, blue mud wasp, grey squirrel, red-shouldered hawk, California quail, California towhee, house sparrow, Annas hummingbird, Bewick's wren, acorn woodpecker, American goldfinch, Pacific chorus frog, blue

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 100

Name of Biologist: Jack Underwood Date: 9/20/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Willow riparian forest occurs along the eastern bank of the channel. Large Coast Live Oak and ash trees serve as a canopy over the channel. Riparian herbaceous vegetation is growing within the channel. The invert of the channel has open water in it.

Notable Disturbances (anthropogenic and natural):
None

Wildlife Compendium:
Wilson's warbler, house finch, black Phoebe, western fence lizard, oak titmouse, house finch, American crow,song sparrow, house sparrow, yellow rumped warbler.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 101

Name of Biologist: Jack Underwood **Date:** 10/3/2024

Special Permit Conditions:
UTS and Crotch bumble bee surveys required. 30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Scale-broom scrub is the dominant vegetation type within the channel. Some mulefat scrub present as well along the channel. Invasives such as Tamarisk is present within the channels invert.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
American crow, house finch, yellow rumped warbler, common raven, black Phoebe, lesser goldfinch, California towhee, white-crowned sparrows, song sparrow, house finch, Bewick's wren, California scrubjay, mourning dove,

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 102

Name of Biologist: Jack Underwood Date: 10/3/2024

Special Permit Conditions:
UTS and Crotch bumble bee surveys required. 30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Downstream portion of reach has a stand of Mixed Willow-fremon Cottonwood woodland. Heading upstream, the reach becomes primarily dominated by a mix of scalebroom and California sage scrub. Salt Cedar heavily prevalent within the reach. Parts of the channel remain unvegetated.

Notable Disturbances (anthropogenic and natural):
None

Wildlife Compendium:
White crowned sparrow, black Phoebe, lesser goldfinch, house finch, California towhee, turkey vulture, western fence lizard, California quail,

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 103

Name of Biologist: Lela Updegrave Date: 9/26/2024

Special Permit Conditions:
Sensitive Reach. UTS, SAS, LBV, SWF, and YBC, surveys required prior to maintenance. 30-day herpetofauna survey, and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15. There must be a 10 foot buffer of vegetation left a

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian. ~5% nonnative. Arundo.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: ANHU CORA YRWA HOFI LEGO CAQU WREN RSHA CASJ CALT BNOW
Herps: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 104

Name of Biologist: Jack Underwood **Date:** 9/27/2024

Special Permit Conditions:
Sensitive Reach. UTS, LBV, SWF, YBC, and Arroyo toad surveys required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Within the reach outside of the maintenance area, vegetation consists primarily of Fremont Cottonwood Woodland-mulefat scrub. Invasive such as salt, cedar and Arundo are highly prevalent within the reach outside the maintenance area. Within the maintenance area, ruderal-unvegetated wash Is dominant. Some wetland marsh appears along the inlet drainages within maintenance area.

Notable Disturbances (anthropogenic and natural):
Some trash present.

Wildlife Compendium:
Bewick's wren, California towhee, black Phoebe, ground squirrel, common raven, California quail, California scrub jay.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 105

Name of Biologist: Lela Updegrave Date: 10/2/2024

Special Permit Conditions:
Sensitive Reach. UTS, LBV, SWF, Arroyo toad, and Crotch bumble bee surveys required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian/disturbed. Arundo, tamarisk, mustard %

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: CASJ ANHU OATI HOFI LEGO WCSP BTPI BEWR ALHU CORA CAQU WREN
Herps: western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 108

Name of Biologist: Jack Underwood **Date:** 10/4/2024

Special Permit Conditions:
None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Willow scrub and Cattail marsh are the dominant vegetation types within the soft bottom channel. Fountain grass prevalent in the upstream portions of the reach. Other herbaceous veg also present on the banks of the SBC.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Ground squirrel, California towhee, song sparrow, house finch, yellow rumped warbler, American pipit, American crow, white-crowned sparrow,

---

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 109

Name of Biologist: Jack Underwood **Date:** 9/13/2024

Special Permit Conditions:
Sensitive Reach. UTS, LBV, SWF, YBC, and Arroyo toad surveys required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Willow-cottonwood woodland comprises the top story of the reach. Other native herbaceous vegetation such as horseweed and telegraph weed present in the understory. Non-native grasses are present. Invasives such as castor bean salt cedar, and arrundo are also present within the reach.

Notable Disturbances (anthropogenic and natural):
Some trash present in reach.

Wildlife Compendium:
Black Phoebe, house finch, nuttalls woodpecker, Bewick's wren, California scrub-jay, red-tailed hawk.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 110

Name of Biologist: Lela Updegrave Date: 9/26/2024

Special Permit Conditions:
Sensitive Reach. UTS, LBV, SWF, and YBC, required prior to maintenance. 30-day herpetofauna survey and 7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Riparian/disturbed.
~40% nonnative. Arundo, tamarisk, tree tobacco

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Birds: BLPH WCSP AMCR HOFI LEGO CALT BUSH WREN BEWR COYE
Mammals: desert cottontail, coyote
Herps: Western fence lizard

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 112Upper

Name of Biologist: Jack Underwood **Date:** 11/4/2024

Special Permit Conditions:
7-day avian survey required. Avian sensitive reach: no work permitted March 1-Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Bull rush marsh prevalent on the toe of both the east and west banks. Some other riparian herbaceous vegetation appears along the toe and on the slope of the channel. Some castor bean and ailanthus present in channel.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Black necked stilt, mallard, house finch, black Phoebe, brown pelican, American coot, American crow, western grebe, lesser goldfinch, yellow rumped warbler, white-crowned sparrow, willet, blue winged teal, double breasted cormorant, western gull, American

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 115

Name of Biologist: Allison Rudalevige

Date: 10/21/2024 7:00:00 PM

Special Permit Conditions:
Sensitive reach. 60-day eelgrass survey, 30-day herpetofauna survey, 7-day avian, and a bat survey reqiured. Requires a 30-day and additional 24-Hour Herpetofauna pre-maintnenace survey prior to maintenance activities due to potential for green sea turtle

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Non-native vegetation along toe of slope below ungrounded rip rap. Species includes tree of heaven, castor bean, giant reed, and tree tobacco. Native species include western ragweed and common sunflower.

Notable Disturbances (anthropogenic and natural):
Trash in river and along banks, human intrusion in concrete bottom of channel

Wildlife Compendium:
AMCR, RTHA, AMCO, AMKE, HOFI, MODO, BRPE, CLGE, SNEG, NOMO, BLPH, DCCO, TUVU, GBHE, MALL, WEGU, GREG, BCNH, AMWI, PBGR, OSPR, BEKI, GTGR, SPSA, BNST, green sea turtle, Uta stansburiana, red-eared slider

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 115

Name of Biologist: Other Observer

Date: 10/23/2024 7:00:00 PM

Special Permit Conditions:
Sensitive reach. 60-day eelgrass survey, 30-day herpetofauna survey, 7-day avian, and a bat survey reqiured. Requires a 30-day and additional 24-Hour Herpetofauna pre-maintnenace survey prior to maintenance activities due to potential for green sea turtle

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Non-native cover along eastern side of river ~95%. Brazilian peppertree, giant reed, and shamel ash noted.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Bird species: double-crested cormorant, brown pelican, snowy egret, spotted sandpiper, California towhee, orange-crowned warbler, great-tailed grackle, Eurasian-collared dove, black-crowned night heron, western gull, pied-billed grebe, western grebe, belt

Observation of Special Status Species (Y/N): Green sea turtle(s): 33.789583689, -118.092505479. Approximately 5 seen nearby location of work. Total of 15-20 recorded within the channel over the course of the day. No issues observed.

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
Green sea turtle(s): 33.789583689, -118.092505479. Approximately 5 seen nearby location of work. Total of 15-20 recorded within the channel over the course of the day. No issues observed.

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 115

Name of Biologist: Lindsay Messett

Date: 10/16/2024 7:00:00 PM

Special Permit Conditions:
Sensitive reach. 60-day eelgrass survey, 30-day herpetofauna survey, 7-day avian, and a bat survey reqiured. Requires a 30-day and additional 24-Hour Herpetofauna pre-maintnenace survey prior to maintenance activities due to potential for green sea turtle

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Non-native vegetation along toe of slope below ungrounded rip rap. Species includes tree of heaven, castor bean, giant reed, and tree tobacco. Native species include western ragweed and common sunflower.

Notable Disturbances (anthropogenic and natural):
Trash in river and along banks, human intrusion in concrete bottom of channel

Wildlife Compendium:
Annas hummingbird, Mallard, Mourning dove, Western gull, Osprey, American crow, California towhee, European starling, Great blue heron, Black-crowned night heron, Black phoebe, Green sea turtle, Red-eared slider, Northern mockingbird, Spotted sandpiper, R

Observation of Special Status Species (Y/N): Green sea turtle, foraging within channel.

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
Green sea turtle, foraging within channel.

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 118

Name of Biologist: Jack Underwood Date: 8/26/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Reach 118 consists of arroyo willow shrubland and disturbed riparian woodland-non-native herbaceous vegetation. Ash trees, castor bean and arrundo present within channel.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Red-shouldered hawk, Acorn woodpecker, lesser goldfinch. house finch, california towhee, chorus frog, song sparrow, black phoebe.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 119

Name of Biologist: Jack Underwood **Date:** 8/26/2024

Special Permit Conditions:
30-day herpetofauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):
Reach 118 consists of arroyo willow shrubland and disturbed riparian woodland-non-native herbaceous vegetation. Ash trees, castor bean and arrundo present within channel.

Notable Disturbances (anthropogenic and natural):
N/A

Wildlife Compendium:
Red-shouldered hawk, Acorn woodpecker, lesser goldfinch. house finch, california towhee, chorus frog, song sparrow, black phoebe.

Observation of Special Status Species (Y/N): N/A

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Reach Number:	Observor Name:	Date of Pre-maintnenance Site Visit	Observor Name:	Date of Post-maintenance Site Visit:	Complied with Permit Requirements?:	Notes:
1	Steve	8/15/2024	Steve	12/14/2024	Full Compliance	
2	Steve	8/15/2024	Steve	12/14/2024	Full Compliance	
3	Steve	8/15/2024	Steve	12/21/2024	Full Compliance	
4	Steve	8/15/2024	Steve	12/21/2024	Full Compliance	
5	Steve	8/15/2024	Steve	12/14/2024	Full Compliance	
6	Steve	8/16/2024	Steve	12/14/2024	Full Compliance	
7	Jack	9/11/2024	Jack	12/11/2024	Full Compliance	Post-maintenance photo 3 could not be retrieved due to safety concerns.
8	Steve	8/16/2024	Steve	12/14/2024	Full Compliance	
9	Steve	8/15/2024	Steve	1/6/2025	Full Compliance	
10	Steve	8/15/2024	Steve	12/14/2024	Full Compliance	
12	Sarah	8/22/2024	Sarah	3/7/2025	Full Compliance	Only the photo from photo station 1 is available due to safety concerns within reach.
13	Sarah	8/22/2024	Sarah	3/7/2025	Full Compliance	
14	Sarah	8/22/2024	Sarah	3/7/2025	Full Compliance	Fence at top of reach broken and needs repair.
15	Steve	8/15/2024	Steve	12/14/2024	Full Compliance	
16	Steve	8/21/2024	Steve	1/30/2025	Full Compliance	
18	Steve	8/21/2024	Steve	1/30/2025	Full Compliance	
19	Steve	8/21/2024	Steve	1/30/2025	Full Compliance	
20	Steve	8/21/2024	Steve	1/30/2025	Full Compliance	
21	Steve	8/21/2024	Steve	1/30/2025	Full Compliance	
22	Steve	8/21/2024	Steve	1/30/2025	Full Compliance	
24	Steve	8/18/2024	Steve	12/8/2024	Full Compliance	
25a	Steve	8/22/2024	Steve	12/22/2024	Full Compliance	
25b	Steve	8/22/2024	Steve	12/22/2024	Full Compliance	
26	Steve	8/18/2024	Steve	12/8/2024	Full Compliance	
27	Jack	9/11/2024	Jack	12/17/2024	Full Compliance	Reach photos taken in different locations due to safety concerns. Photo 1 taken on january 27th due to safety concerns from site visit conducted on 12/17/24 at the photo site.
28	Steve	8/17/2024	Steve	12/21/2024	Full Compliance	
29	Steve	8/17/2024	Steve	12/14/2024	Full Compliance	
32	Steve	8/17/2024	Steve	12/21/2024	Full Compliance	
33	Steve	8/17/2024	Jack	12/21/2024	Full Compliance	
35	Steve	8/17/2024	Steve	12/21/2024	Full Compliance	
36	Steve	8/17/2024	Steve	12/21/2024	Full Compliance	

Reach Number:	Observor Name:	Date of Pre-maintnenance Site Visit	Observor Name:	Date of Post-maintenance Site Visit:	Complied with Permit Requirements?:	Notes:
37	Steve	8/17/2024	Steve	12/21/2024	Full Compliance	
38	Steve	8/17/2024	Steve	10/31/2024	Full Compliance	
39	Jack	8/21/2024	Jack	2/17/2025	Full Compliance	
40a	Jack	8/27/2024	Jack	1/28/2025	Full Compliance	
40b	Jack	8/27/2024	Jack	2/20/2025	Full Compliance	
41	Steve	8/21/2024	Steve	1/10/2025	Full Compliance	
42	Steve	8/21/2024	Steve	2/4/2025	Full Compliance	
43a	Jack	8/27/2024	Jack	1/28/2025	Full Compliance	
43b	Jack	8/27/2024	Jack	1/28/2025	Full Compliance	
44	Jack	8/27/2024	Jack	3/4/2025	Full Compliance	
47	Jack	8/22/2024	NWA	NWA	N/A	No Work Authorized due to presence of Unarmoured Threespine Stickleback.
48	Jack	8/22/2024	Jack	12/13/2024	Full Compliance	
49	Jack	8/22/2024	Jack	12/13/2024	Full Compliance	
51	Jack	8/22/2024	NWA	NWA	N/A	No Work Authorized due to presence of Unarmoured Threespine Stickleback.
53	Jack	9/3/2024	Jack	12/13/2024	Full Compliance	
54	Jack	8/22/2024	NWA	NWA	N/A	No Work Authorized due to presence of Unarmoured Threespine Stickleback.
55	Sarah	8/29/2024	NWA	NWA	N/A	No Work Authorized due to presence of Unarmoured Threespine Stickleback.
56	Sarah	8/29/2024	NWA	NWA	N/A	No Work Authorized due to presence of Unarmoured Threespine Stickleback.
58	Sarah	8/29/2024	NWA	NWA	N/A	No Work Authorized due to presence of Unarmoured Threespine Stickleback.
60	Sarah	8/29/2024	Sarah	3/4/2025	Full Compliance	
61	Sarah	Missing	Sarah	3/4/2025	Full Compliance	No access to Reach 61 for Pre-maintenance photo documentation due to non-functioning gate. Only photos 1 and 2 were able to be taken during the Post-maintenance site visit.
63	Sarah	8/29/2024	Sarah	3/4/2025	Full Compliance	
64	Sarah	8/29/2024	Sarah	3/4/2025	Full Compliance	
66	Sarah	8/29/2024	Sarah	3/4/2025	Full Compliance	
67	Sarah	8/29/2024	Sarah	3/4/2025	Full Compliance	
69	Sarah	8/29/2024	Sarah	3/4/2025	Full Compliance	

Reach Number:	Observor Name:	Date of Pre-maintnenance Site Visit	Observor Name:	Date of Post-maintenance Site Visit:	Complied with Permit Requirements?:	Notes:
70	Sarah	8/29/2024	Sarah	3/4/2025	Full Compliance	
71	Jack	8/29/2024	Jack	12/11/2024	Full Compliance	
72	Jack	9/3/2024	Jack	1/27/2025	Full Compliance	
73	Jack	9/3/2024	Jack	1/27/2025	Full Compliance	
75	Jack	8/28/2024	Jack	12/12/2024	Full Compliance	
76	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
77	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
78	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
79	Jack	8/29/2024	Jack	1/27/2025	Full Compliance	
80	Jack	8/29/2024	Jack	1/27/2025	Full Compliance	
82	Jack	8/29/2024	Jack	1/27/2025	Full Compliance	
86	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
87	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
88	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
89	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
90	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
91	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
92	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
93	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
94	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
95	Sarah	8/27/2024	Sarah	2/28/2025	Full Compliance	
96	Jack	8/30/2024	Jack	2/5/2025	Full Compliance	
97	Steve	8/19/2024	Steve	1/6/2025	Full Compliance	
98	Jack	8/21/2024	Jack	1/18/2025	Full Compliance	
99	Steve	8/19/2024	Steve	1/30/2025	Full Compliance	
100	Steve	8/15/2024	Steve	12/14/2024	Full Compliance	
101	Sarah	8/28/2024	Sarah	3/7/2025	Full Compliance	
102	Sarah	8/28/2024	Sarah	3/7/2025	Full Compliance	
103	Jack	9/3/2024	Jack	12/12/2024	Full Compliance	
104	Jack	8/29/2024	Jack	1/27/2025	Full Compliance	
105	Jack	9/3/2024	Jack	1/27/2025	Full Compliance	
108	Jack	8/22/2024	Jack	3/4/2025	Full Compliance	
109	Jack	8/29/2024	Jack	12/11/2024	Full Compliance	
110	Sarah	8/22/2024	Sarah	2/28/2025	Full Compliance	

Reach Number:	Observor Name:	Date of Pre-maintnenance Site Visit	Observor Name:	Date of Post-maintenance Site Visit:	Complied with Permit Requirements?:	Notes:
112 Upper	Lela	8/28/2024	Jack	2/5/2025	Full Compliance	
112 Lower	Lela	8/28/2024	Jack	N/A	N/A	
113	Jack	8/26/2024	Jack	N/A	N/A	
114	Jack	8/26/2024	Jack	2/5/2025	Full Compliance	
115	Lela	8/29/2024	Jack	1/30/2025	Full Compliance	
116	Jack	8/26/2024	-	N/A	N/A	
117	Lela	8/28/2024	-	N/A	N/A	
118	Jack	8/26/2024	Jack	2/17/2025	Full Compliance	Annual Maintenance activities have been completed. However due to the Pacific Palisades Fire and under a separate permit, repair activities are still ongoing.
119	Jack	8/26/2024	Jack	2/17/2025	Full Compliance	Annual Maintenance activities have been completed. However due to the Pacific Palisades Fire and under a separate permit, repair activities are still ongoing.
120	Jack	8/28/2024	-	N/A	N/A	
121	Jack	9/3/2024	-	N/A	N/A	
122	Steve	8/17/2024	-	N/A	N/A	
123	Jack	9/3/2024	-	N/A	N/A	

ATTACHMENT NO. 4

PRE AND POST MAINTENANCE PHOTOS

2024-2025 Soft Bottom Channels

Reach 1

Bell Creek — MTD 963 M.C.I.

Before Photos 08/15/24

After Photos 12/14/24

2024-2025 Soft Bottom Channels

Reach 2

Dry Canyon (Calabasas) P.D. T1845

Before Photos 8/15/24

After Photos 12/14/24

2024-2025 Soft Bottom Channels

Reach 3

Santa Susana Creek M.C.I.

Before Photos 08/15/24

After Photos 12/21/24

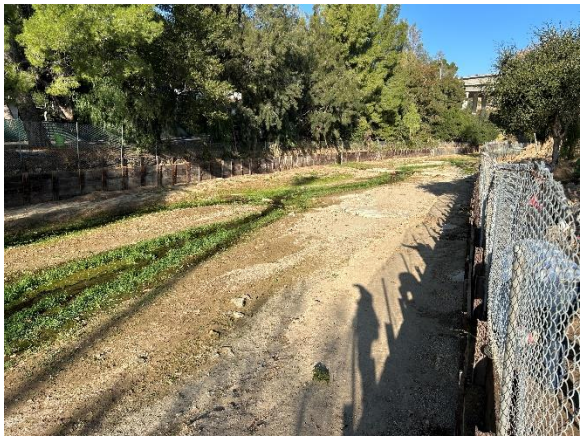
2024-2025 Soft Bottom Channels

Reach 4

Browns Creek

Before Photos 08/15/24

After Photos 12/21/24



2024-2025 Soft Bottom Channels

Reach 5

Caballero Creek M.C.I. (West Fork)

Before Photos 08/15/24

After Photos 12/14/24

2024-2025 Soft Bottom Channels

Reach 6

Caballero Creek M.C.I. (East Fork)

Before Photos 08/15/24

After Photos 12/14/24

2024-2025 Soft Bottom Channels

Reach 7

Bull Creek M.C.O.

Before Photos 09/11/24

After Photos 12/11/24

Photo Not Available

2024-2025 Soft Bottom Channels

Reach 8

Hayvenhurst Drain — Project 470 Outlet

Before Photos 08/15/24

After Photos 12/14/24

2024-2025 Soft Bottom Channels

Reach 9

Project 106 Outlet

Before Photos 08/15/24

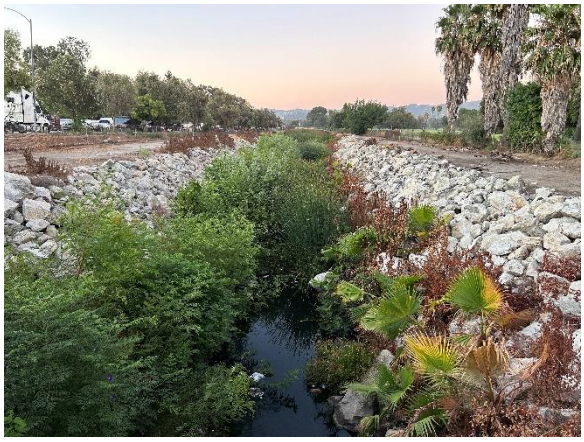
After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 10

Project No. 469

Before Photos 08/15/24



After Photos 12/14/24

2024-2025 Soft Bottom Channels

Reach 10

Project No. 469

Before Photos 08/15/24

After Photos 12/14/24

2024-2025 Soft Bottom Channels

Reach 12

Los Angeles River

Before Photos 08/22/24	After Photos 03/07/25
	Photo Not Available
	Photo Not Available

2024-2025 Soft Bottom Channels

Reach 13

Project No. 5215 Unit 1

Before Photos 08/22/24

After Photos 03/07/25

2024-2025 Soft Bottom Channels

Reach 14

May Channel (M.C.O. into Pacoima Canyon)

Before Photos 08/22/24

After Photos 03/07/25

2024-2025 Soft Bottom Channels

Reach 15

Pacoima Wash

Before Photos 08/15/24

After Photos 12/14/24

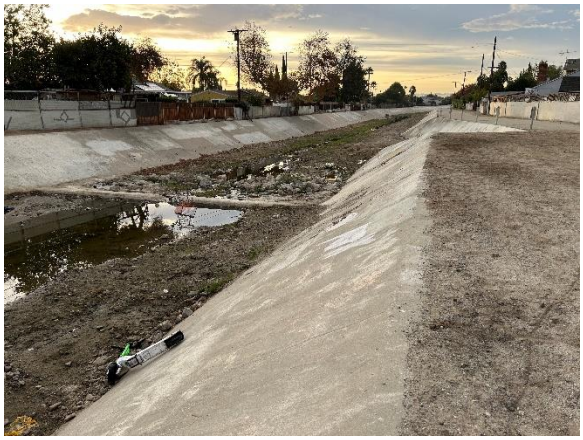
2024-2025 Soft Bottom Channels

Reach 15

Pacoima Wash

Before Photos 08/15/24

After Photos 12/14/24



2024-2025 Soft Bottom Channels

Reach 16

Verdugo Wash — Las Barras Canyon (Channel Inlet)

Before Photos 08/21/24

After Photos 01/30/25

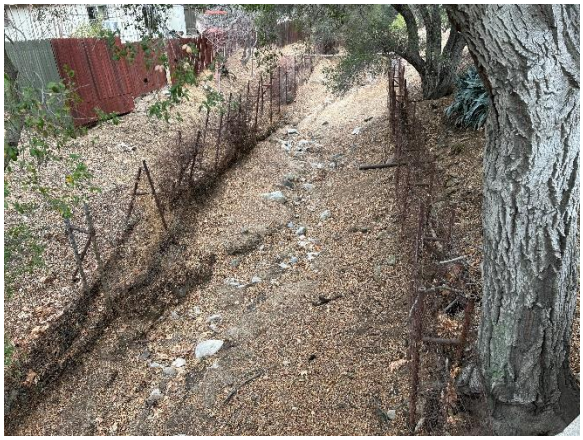
2024-2025 Soft Bottom Channels

Reach 18

Engleheard Channel

Before Photos 08/21/24

After Photos 01/30/25



2024-2025 Soft Bottom Channels

Reach 19

Pickens Canyon

Before Photos 08/21/24

After Photos 01/30/25

2024-2025 Soft Bottom Channels

Reach 20

Webber Channel (Storm at Private Bridge)

Before Photos 08/21/24

After Photos 01/30/25

2024-2025 Soft Bottom Channels

Reach 21

Webber Channel (Main Channel Inlet d/s Bridge)

Before Photos 08/21/24

After Photos 01/30/25

2024-2025 Soft Bottom Channels

Reach 22

Halls Canyon

Before Photos 08/21/24

After Photos 01/30/25

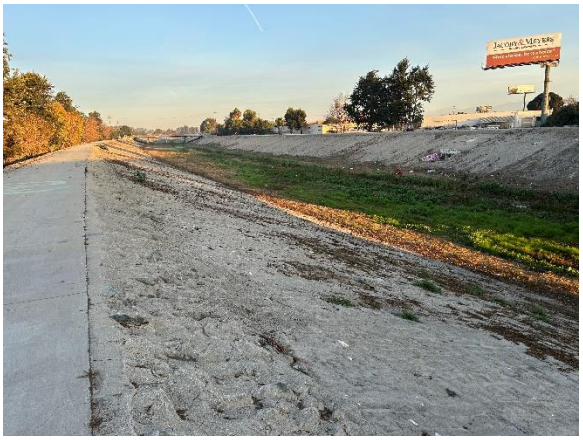
2024-2025 Soft Bottom Channels

Reach 24

Compton Creek

Before Photos 08/18/24

After Photos 12/08/24



2024-2025 Soft Bottom Channels

Reach 24

Compton Creek

Before Photos 08/18/24

After Photos 12/08/24

2024-2025 Soft Bottom Channels

Reach 25a

Los Angeles River — Willow to PCH (East/Left Bank)

Before Photos 08/22/24

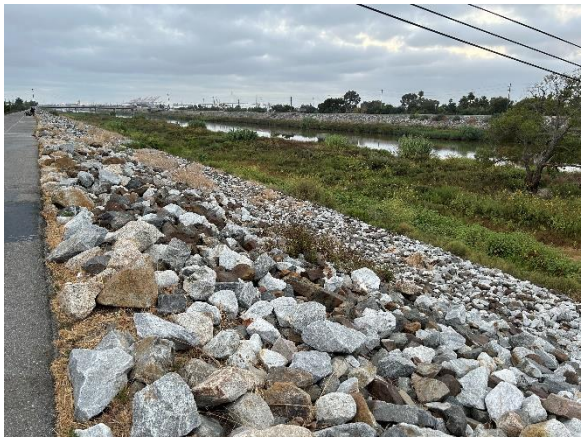
After Photos 12/22/24

2024-2025 Soft Bottom Channels

Reach 25a

Los Angeles River — Willow to PCH (East/Left Bank)

Before Photos 08/22/24



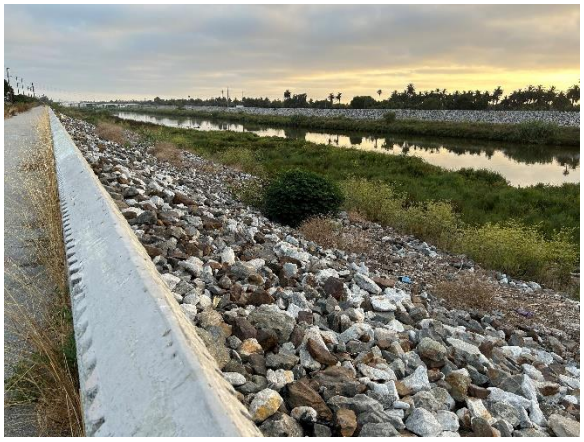
After Photos 12/22/24

2024-2025 Soft Bottom Channels

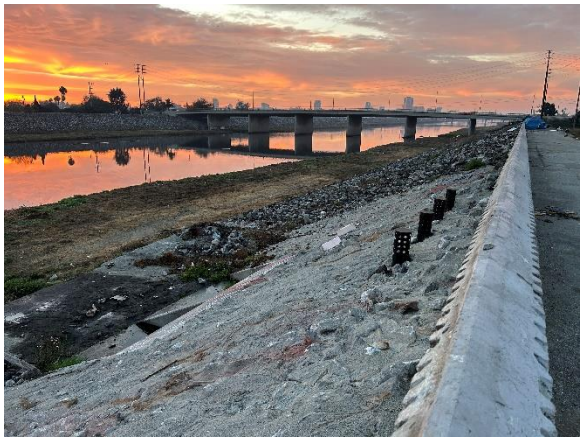
Reach 25b

Los Angeles River — Willow to PCH (West/Right Bank)

Before Photos 08/22/24



After Photos 12/22/24



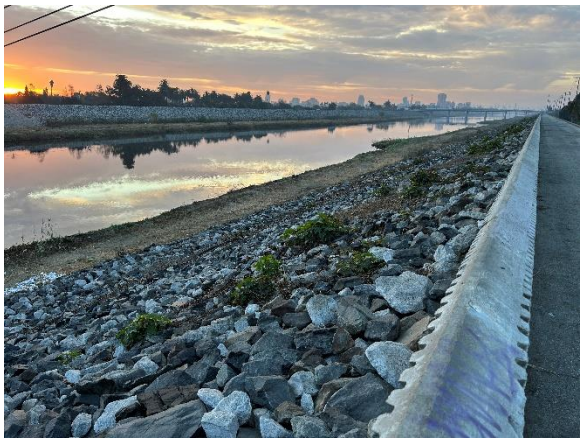
2024-2025 Soft Bottom Channels

Reach 25b

Los Angeles River — Willow to PCH (West/Right Bank)

Before Photos 08/22/24

After Photos 12/22/24



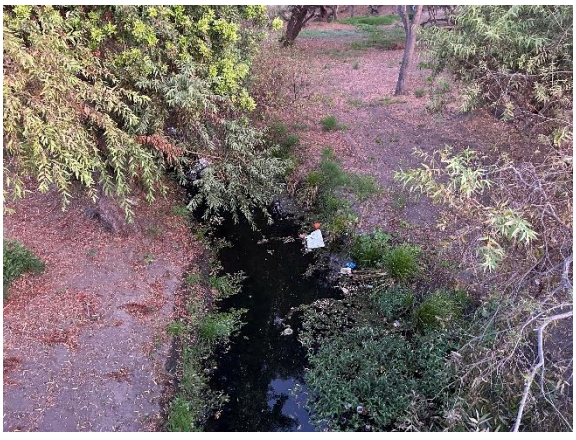
2024-2025 Soft Bottom Channels

Reach 26

Project 740

Before Photos 08/18/24

After Photos 12/08/24



2024-2025 Soft Bottom Channels

Reach 26

Project 740

Before Photos 08/18/24

After Photos 12/08/24

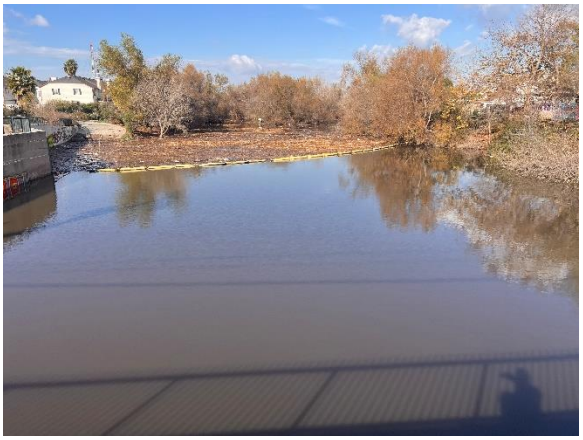
2024-2025 Soft Bottom Channels

Reach 27

Wilmington Drain (110 Freeway to s/o PCH)

Before Photos 09/11/24

After Photos 12/17/24



2024-2025 Soft Bottom Channels

Reach 27

Wilmington Drain (110 Freeway to s/o PCH)

Before Photos 09/11/24

After Photos 12/17/24

2024-2025 Soft Bottom Channels

Reach 28

Triunfo Creek (P.D. T2200)

Before Photos 08/17/24

After Photos 12/21/24

2024-2025 Soft Bottom Channels

Reach 29

Las Virgenes Creek (P.D. T1684) M.C.I.

Before Photos 08/17/24

After Photos 12/14/24

2024-2025 Soft Bottom Channels

Reach 32

Stokes Canyon Channel (P.D. T043)

Before Photos 08/17/24

After Photos 12/21/24

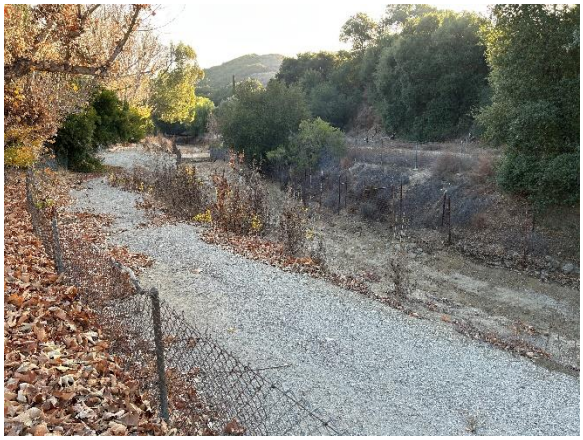
2024-2025 Soft Bottom Channels

Reach 32

Stokes Canyon Channel (P.D. T043)

Before Photos 08/17/24

After Photos 12/21/24



2024-2025 Soft Bottom Channels

Reach 33

Medea Creek (P.D. T1378 U.2)

Before Photos 08/17/24

After Photos 12/21/24

2024-2025 Soft Bottom Channels

Reach 35

Medea Creek Main Channel Inlet — Under Route 101

Before Photos 08/17/24

After Photos 12/21/24

2024-2025 Soft Bottom Channels

Reach 36

Cheseboro Main Channel Inlet

Before Photos 08/17/24

After Photos 12/21/24

2024-2025 Soft Bottom Channels

Reach 37

Medea Creek/Cheseboro Creek Outlet

Before Photos 08/17/24

After Photos 12/21/24

2024-2025 Soft Bottom Channels

Reach 38

Lindero Main Channel Outlet

Before Photos 08/17/24

After Photos 10/31/24

2024-2025 Soft Bottom Channels

Reach 39

Beatty Channel Outlet at SGR 25+99.00

Before Photos 08/21/24

After Photos 02/17/25

2024-2025 Soft Bottom Channels

Reach 39

Beatty Channel Outlet at SGR 25+99.00

Before Photos 08/21/24

After Photos 02/17/25

2024-2025 Soft Bottom Channels

Reach 40a

San Gabriel River — Santa Fe Dam to I-10 Freeway

Before Photos 08/27/24

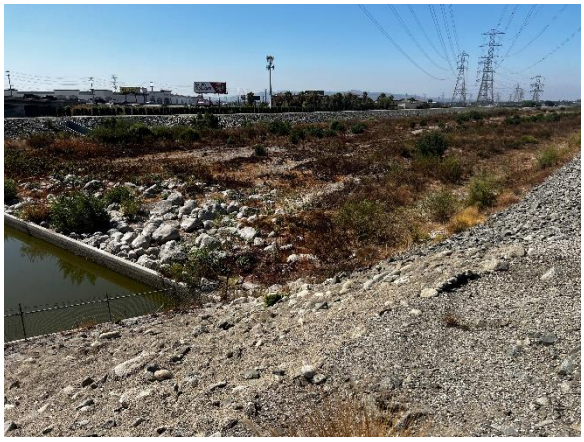
After Photos 01/28/25

2024-2025 Soft Bottom Channels

Reach 40a

San Gabriel River — Santa Fe Dam to I-10 Freeway

Before Photos 08/27/24



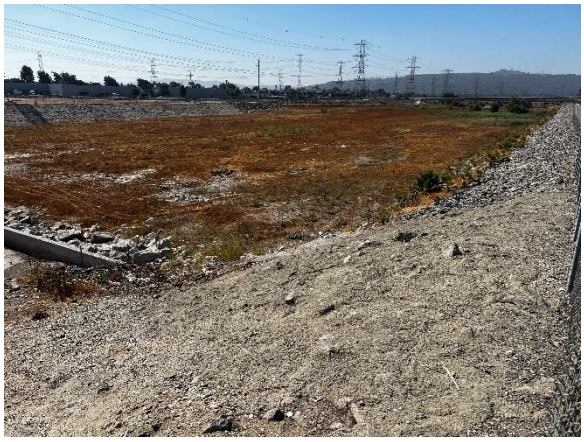
After Photos 01/28/25

2024-2025 Soft Bottom Channels

Reach 40b

San Gabriel River — I-10 Freeway to Thienes Avenue

Before Photos 08/27/24



After Photos 02/20/25

2024-2025 Soft Bottom Channels

Reach 40b

San Gabriel River — I-10 Freeway to Thienes Avenue

Before Photos 08/27/24

After Photos 02/20/25

2024-2025 Soft Bottom Channels

Reach 40b

San Gabriel River — I-10 Freeway to Thienes Avenue

Before Photos 08/27/24

After Photos 02/20/25

2024-2025 Soft Bottom Channels

Reach 40b

San Gabriel River — I-10 Freeway to Thienes Avenue

Before Photos 08/27/24

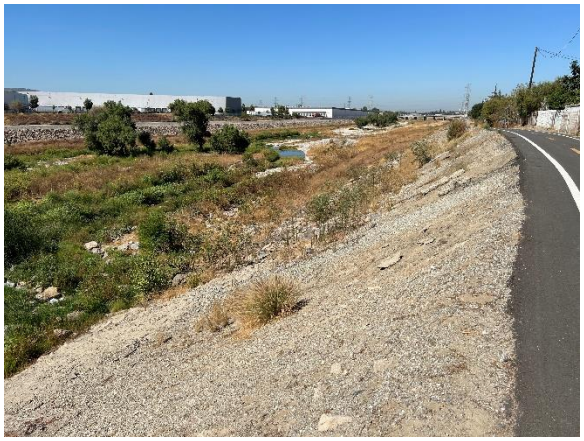
After Photos 02/20/25

2024-2025 Soft Bottom Channels

Reach 41

Walnut Creek — Baldwin Park to San Gabriel River

Before Photos 08/21/24



After Photos 01/10/25

2024-2025 Soft Bottom Channels

Reach 42

San Jose Creek d/s 1000 feet from end of concrete channel

Before Photos 08/21/24

After Photos 02/04/25

2024-2025 Soft Bottom Channels

Reach 43a

San Gabriel River — Upper

Before Photos 08/27/24

After Photos 01/28/25

2024-2025 Soft Bottom Channels

Reach 43a

San Gabriel River — Upper

Before Photos 08/27/24

After Photos 01/28/25

2024-2025 Soft Bottom Channels

Reach 43b

San Gabriel River — Lower

Before Photos 08/27/24

After Photos 01/28/25

2024-2025 Soft Bottom Channels

Reach 43b

San Gabriel River — Lower

Before Photos 08/27/24

After Photos 01/28/25

2024-2025 Soft Bottom Channels

Reach 44

San Gabriel River — Rubber Dams

Before Photos 08/27/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 44

San Gabriel River — Rubber Dams

Before Photos 08/27/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 44

San Gabriel River — Rubber Dams

Before Photos 08/27/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 44

San Gabriel River — Rubber Dams

Before Photos 08/27/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 44

San Gabriel River — Rubber Dams

Before Photos 08/27/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 47

Santa Clara River Main Channel (P.D. T1733-Unit 1)

Before Photos 08/22/24

NO WORK ALLOWED

2024-2025 Soft Bottom Channels

Reach 47

Santa Clara River Main Channel (P.D. T1733-Unit 1)

Before Photos 08/22/24

NO WORK ALLOWED

2024-2025 Soft Bottom Channels

Reach 48

Mint Canyon Channel between Sierra Highway & Adon Avenue

Before Photos 08/22/24

After Photos 12/13/24

2024-2025 Soft Bottom Channels

Reach 49

Mint Canyon Channel between Adon Avenue & Scherzinger Lane

Before Photos 08/22/24

After Photos 12/13/24

2024-2025 Soft Bottom Channels

Reach 51

Mint Canyon M.C.O. (P.D. 1894)/Santa Clara River — Main Channel

Before Photos 08/22/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 53

Santa Clara River Non-Main Channel (P.D. 832) Main Channel Inlet

Before Photos 09/23/24

After Photos 12/13/24

2024-2025 Soft Bottom Channels

Reach 54

Santa Clara River Non-Main Channel (P.D. 832) Main Outlet Channel

Before Photos 08/22/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 55

Santa Clara River Main Channel — Right Bank Reach

(P.D.’s 910, 832, 1758, and 1562 Unit 2)

Before Photos 08/29/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 55

Santa Clara River Main Channel — Right Bank Reach

(P.D.’s 910, 832, 1758, and 1562 Unit 2)

Before Photos 08/29/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 55

Santa Clara River Main Channel — Right Bank Reach

(P.D.’s 910, 832, 1758, and 1562 Unit 2)

Before Photos 08/29/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 56

Santa Clara River Main Channel — Left Bank Reach (P.D. 832)

Before Photos 08/29/24

After Photos 01/02/24

2024-2025 Soft Bottom Channels

Reach 58 (combined with Reach 59)

Santa Clara River Main Channel — Right Bank Reach (P.D. 374)

Before Photos 08/29/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 58 (combined with Reach 59)

Santa Clara River Main Channel — Right Bank Reach (P.D. 374)

Before Photos 08/29/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 60

Santa Clara River Main Channel — Right Bank Reach (P.D.'s 1339 and 374)

Before Photos 08/29/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 61 (combined with Reach 62)

Santa Clara River Main Channel (P.D.'s 659 and 754)

Before Photos: Not Available **After Photos: 03/04/25**

Photos not Available

Photos not Available

Pre-Post Maintenance Photos Unavailable

2024-2025 Soft Bottom Channels

Reach 61 (combined with Reach 62)

Santa Clara River Main Channel (P.D.'s 659 and 754)

Pre-Post Maintenance Photos Unavailable

Pre-Post Maintenance Photos Unavailable

Pre-Post Maintenance Photos Unavailable

2024-2025 Soft Bottom Channels

Reach 63

Oak Avenue Road Drainage (CDR 523.081)

Before Photos 08/29/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 64

Soledad Canyon Road Drainage (CDR 523.071 D Outlet)

Before Photos 08/29/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 66

Santa Clara River Main Channel (P.D. 1538)

Before Photos 08/29/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 67

Bouquet Canyon Upper (P.D.'s 1201, 802, 700B, and 625)

Before Photos 08/29/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 69

Bouquet Canyon Middle (P.D.'s 722, 773, 1365, 1065, and 451)

Before Photos 08/29/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 70

Bouquet Canyon Lower (P.D.'s 544 and 345)

Before Photos 08/29/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 70

Bouquet Canyon Lower (P.D.’s 544 and 345)

Before Photos 08/29/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 71

Santa Clara River Main Channel (P.D. 1946)

Before Photos 08/29/24

After Photos 12/11/24

2024-2025 Soft Bottom Channels

Reach 72

South Fork — SCR (Smizer Ranch Main Channel Inlet)

Before Photos 09/03/24

After Photos 01/27/25

2024-2025 Soft Bottom Channels

Reach 73

Wildwood Canyon Channel (P.D. T361) Main Channel Inlet

Before Photos 09/03/24

After Photos 01/27/25

2024-2025 Soft Bottom Channels

Reach 75

South Fork — Santa Clara River (P.D.'s 725, 916, 1041, and 1300)

Before Photos 08/28/24

After Photos 12/12/24

2024-2025 Soft Bottom Channels

Reach 75

South Fork — Santa Clara River (P.D.'s 725, 916, 1041, and 1300)

Before Photos 08/28/24

After Photos 12/12/24

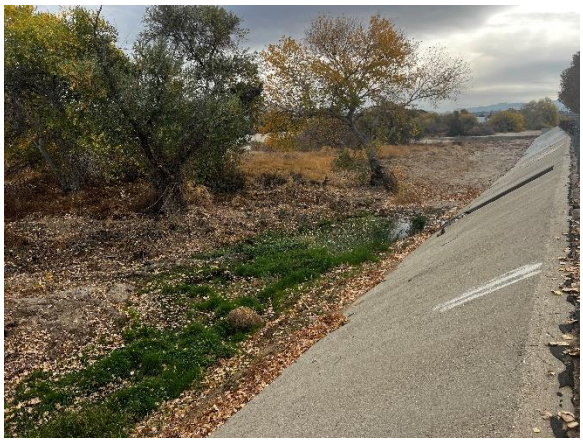
2024-2025 Soft Bottom Channels

Reach 75

South Fork — Santa Clara River (P.D.'s 725, 916, 1041, and 1300)

Before Photos 08/28/24

After Photos 12/12/24



2024-2025 Soft Bottom Channels

Reach 75

South Fork — Santa Clara River (P.D.'s 725, 916, 1041, and 1300)

Before Photos 08/28/24

After Photos 12/12/24

2024-2025 Soft Bottom Channels

Reach 75

South Fork — Santa Clara River (P.D.'s 725, 916, 1041, and 1300)

Before Photos 08/28/24

After Photos 12/12/24

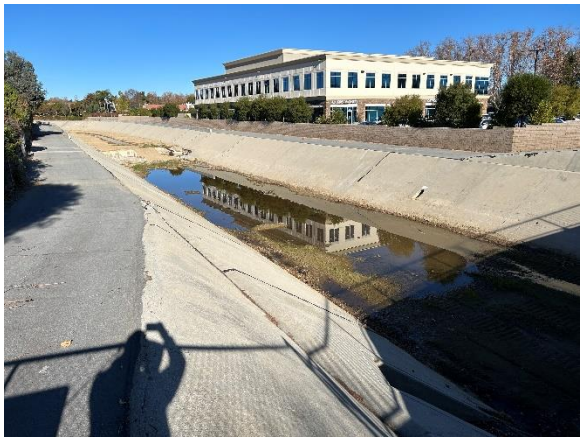
2024-2025 Soft Bottom Channels

Reach 76

Pico Canyon (P.D. 813)

Before Photos 08/19/24

After Photos 01/06/25



2024-2025 Soft Bottom Channels

Reach 77

Newhall Creek Outlet

Before Photos 08/19/24

After Photos 01/06/24

2024-2025 Soft Bottom Channels

Reach 78

Placerita Creek

Before Photos 08/19/24

After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 79

South Fork — Santa Clara River (Valencia Boulevard Bridge Stabilizer)

Before Photos 08/29/24

After Photos 01/27/25

2024-2025 Soft Bottom Channels

Reach 80

South Fork — Santa Clara River (P.D.'s 1947 and 1946)

Before Photos 08/29/24

After Photos 01/27/25

2024-2025 Soft Bottom Channels

Reach 80

South Fork — Santa Clara River (P.D.'s 1947 and 1946)

Before Photos 08/29/24

After Photos 01/27/25

2024-2025 Soft Bottom Channels

Reach 82

Santa Clara River Main Channel (P.D. 2278)

Before Photos 08/29/24

After Photos 01/27/25

2024-2025 Soft Bottom Channels

Reach 82

Santa Clara River Main Channel (P.D. 2278)

Before Photos 08/29/24

After Photos 01/27/25

2024-2025 Soft Bottom Channels

Reach 86

Violin Canyon Main Channel Outlet

Before Photos 08/19/24

After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 87

Castaic — Old Road Drainage (CDR 525.021D) Outlet

Before Photos 08/19/24

After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 88

Hasley Canyon Upper (P.D. T1496)

Before Photos 08/19/24

After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 89

Hasley Canyon South Fork (P.D. T1496)

Before Photos 08/19/24

After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 90

Hasley Canyon Lower (North Fork P.D. T1496)

Before Photos 08/19/24

After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 91

San Martinez Chiquito Canyon Channel u/s of Keningston Road

Before Photos 08/19/24

After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 92

San Martinez Chiquito Canyon (North Fork) Unnamed

Before Photos 08/19/24

After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 93

San Martinez Chiquito Canyon between Keningston Road and Val Verde Park

Before Photos 08/19/24

After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 94

San Martinez Chiquito Canyon between Val Verde Park and d/s of Madison Street

Before Photos 08/19/24

After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 94

San Martinez Chiquito Canyon between Val Verde Park and d/s of Madison Street

Before Photos 08/19/24

After Photos 01/06/25

2024-2025 Soft Bottom Channels

Reach 95

Project No. 1224

Before Photos 08/27/24

After Photos 02/28/25

2024-2025 Soft Bottom Channels

Reach 95

Project No. 1224

Before Photos 08/27/24

After Photos 02/28/25

2024-2025 Soft Bottom Channels

Reach 96

PD 1591, Calabasas

Before Photos 08/30/24

After Photos 02/05/25

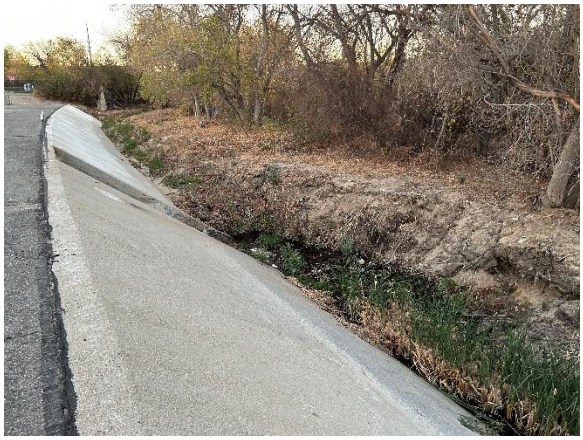
2024-2025 Soft Bottom Channels

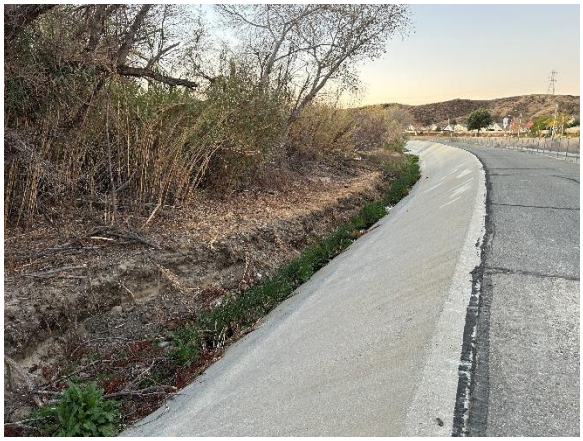
Reach 97

P.D. T1982, Castaic Creek

Before Photos 08/19/24

After Photos 01/06/25





2024-2025 Soft Bottom Channels

Reach 98

Walnut Creek — Channel Inlet

Before Photos 08/21/24

After Photos 01/28/25

2024-2025 Soft Bottom Channels

Reach 99

Kagel Canyon — Tujunga Wash

Before Photos 08/19/24

After Photos 01/30/25

2024-2025 Soft Bottom Channels

Reach 99

Kagel Canyon — Tujunga Wash

Before Photos 08/19/24

After Photos 01/30/25

2024-2025 Soft Bottom Channels

Reach 100

Dry Canyon, Calabasas Creek Inlet

Before Photos 08/15/24

After Photos 12/14/24

2024-2025 Soft Bottom Channels

Reach 101

Violin Canyon (P.D. 2312)

Before Photos 08/28/24

After Photos 03/07/25

2024-2025 Soft Bottom Channels

Reach 101

Violin Canyon (P.D. 2312)

Before Photos 08/28/24

After Photos 03/07/25

2024-2025 Soft Bottom Channels

Reach 102

Violin Canyon (P.D. 2275)

Before Photos 08/28/24

After Photos 03/07/25

2024-2025 Soft Bottom Channels

Reach 102

Violin Canyon (P.D. 2275)

Before Photos 08/28/24

After Photos 03/07/25

2024-2025 Soft Bottom Channels

Reach 102

Violin Canyon (P.D. 2275)

Before Photos 08/28/24

After Photos 03/07/25

2024-2025 Soft Bottom Channels

Reach 103

Bouquet Canyon Channel (P.D. 2225)

Before Photos 09/03/24

After Photos 12/12/24

2024-2025 Soft Bottom Channels

Reach 103

Bouquet Canyon Channel (P.D. 2225)

Before Photos 09/03/24

After Photos 12/12/24

2024-2025 Soft Bottom Channels

Reach 103

Bouquet Canyon Channel (P.D. 2225)

Before Photos 09/03/24

After Photos 12/12/24

2024-2025 Soft Bottom Channels

Reach 104

Castaic Creek (P.D. 2441 Unit 2)

Before Photos 08/29/24

After Photos 01/27/25

2024-2025 Soft Bottom Channels

Reach 104

Castaic Creek (P.D. 2441 Unit 2)

Before Photos 08/29/24

After Photos 01/27/25

2024-2025 Soft Bottom Channels

Reach 105

San Francisquito Canyon Channel (P.D. 2456)

Before Photos 09/03/24

After Photos 01/18/24

2024-2025 Soft Bottom Channels

Reach 105

San Francisquito Canyon Channel (P.D. 2456)

Before Photos 09/03/24

After Photos 01/18/24

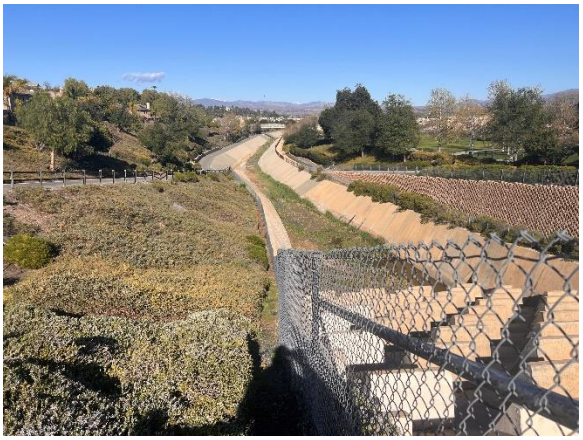
2024-2025 Soft Bottom Channels

Reach 108

Pico Canyon (P.D. 2528)

Before Photos 09/11/24

After Photos 03/04/25



2024-2025 Soft Bottom Channels

Reach 108

Pico Canyon (P.D. 2528)

Before Photos 09/11/24

After Photos 03/04/25

2024-2025 Soft Bottom Channels

Reach 109

Santa Clara River — South Bank West of McBean Parkway (MTD1510)

Before Photos 08/29/24

After Photos 01/18/24

2024-2025 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/22/24

After Photos 02/28/25

2024-2025 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/22/24

After Photos 02/28/25

2024-2025 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/22/24

After Photos 02/28/25

2024-2025 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/22/24

After Photos 02/28/25

2024-2025 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/22/24

After Photos 02/28/25

2024-2025 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/22/24

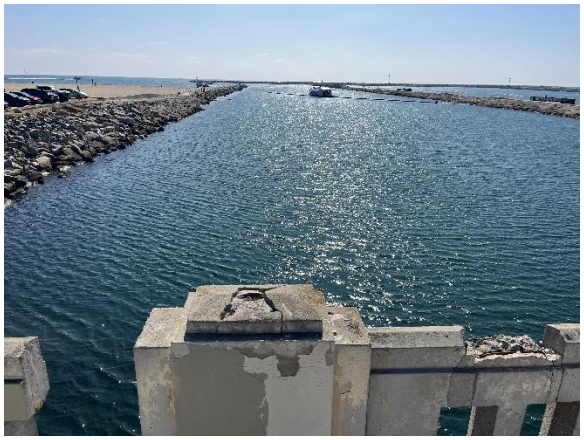
After Photos 02/28/25

2024-2025 Soft Bottom Channels

Reach 112

Ballona Creek

Before Photos 08/28/24 **After Photos 02/05/25**



No Work Done

No Work Done

No Work Done

2024-2025 Soft Bottom Channels

Reach 112

Ballona Creek

Before Photos 08/28/24 **After Photos 02/05/25**

No Work Done

No Work Done

No Work Done

2024-2025 Soft Bottom Channels

Reach 112

Ballona Creek

Before Photos 08/28/24

After Photos 02/05/25

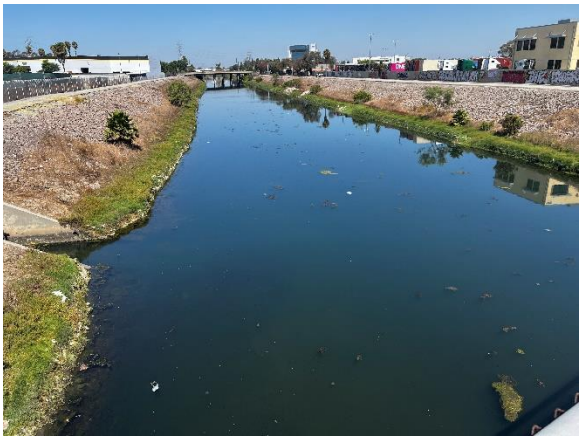
2024-2025 Soft Bottom Channels

Reach 113

Dominguez Channel

Photos 08/26/24

No Work Allowed



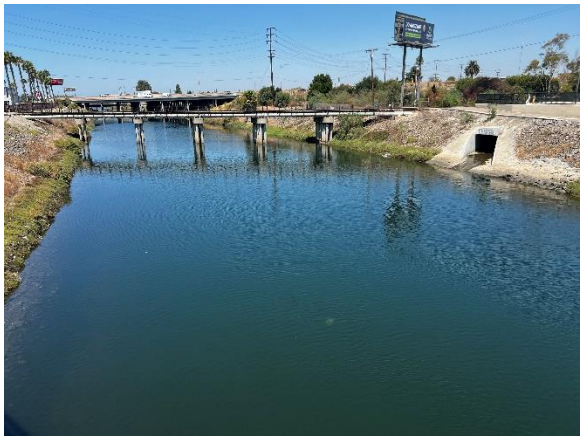
2024-2025 Soft Bottom Channels

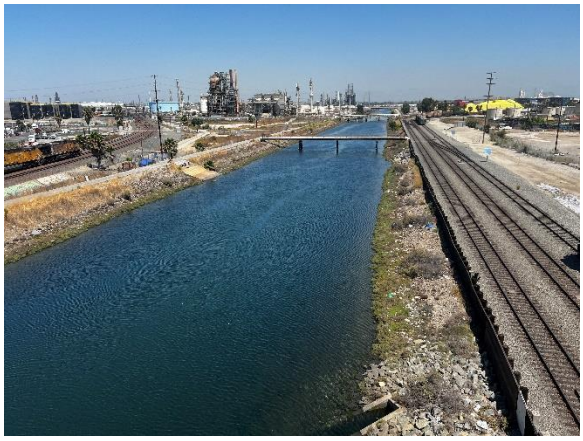
Reach 113

Dominguez Channel

Photos 08/26/24

No Work Allowed





2024-2025 Soft Bottom Channels

Reach 113

Dominguez Channel

Photos 08/26/24

No Work Allowed

2024-2025 Soft Bottom Channels

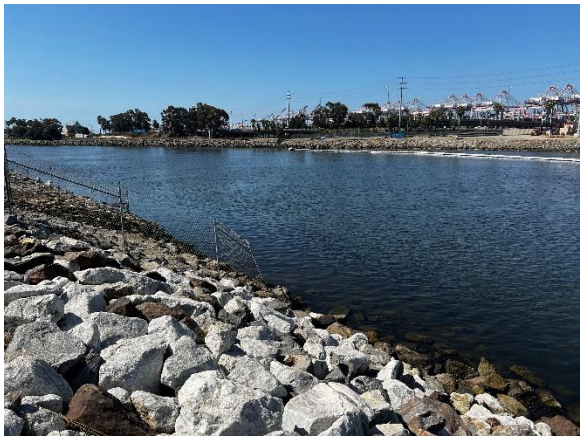
Reach 114

Los Angeles River

Before Photos 08/26/24 **After Photos 02/05/25**

NO WORK DONE

IN THIS AREA



NO WORK DONE

IN THIS AREA

2024-2025 Soft Bottom Channels

Reach 114

Los Angeles River

Before Photos 08/26/24

After Photos 02/05/25

NO WORK DONE

IN THIS AREA

2024-2025 Soft Bottom Channels

Reach 115

San Gabriel River

Before Photos 08/29/24

After Photos 01/30/25

2024-2025 Soft Bottom Channels

Reach 115

San Gabriel River

Before Photos 08/29/24

After Photos 01/30/25

2024-2025 Soft Bottom Channels

Reach 115

San Gabriel River

Before Photos 08/29/24

After Photos 01/30/24

2024-2025 Soft Bottom Channels

Reach 116

Los Cerritos Channel

Photos 08/26/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 116

Los Cerritos Channel

Photos 08/26/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 117

Centinela Creek Channel

Photos 08/28/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 118

Rustic Canyon

Before Photos 08/26/24

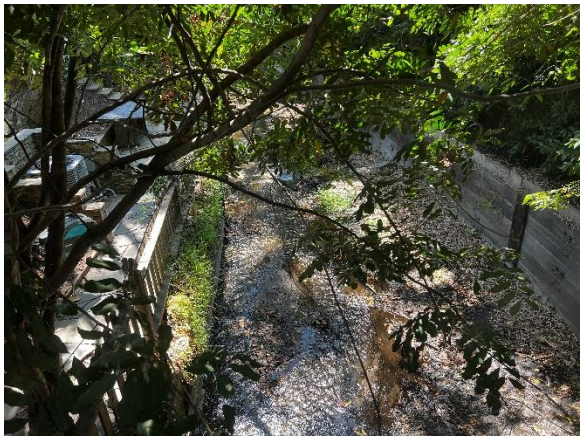
After Photos 02/17/24

2024-2025 Soft Bottom Channels

Reach 118

Rustic Canyon

Before Photos 08/26/24



After Photos 02/17/24

2024-2025 Soft Bottom Channels

Reach 119

Rivas Canyon Channel

Before Photos 08/26/24

After Photos 02/17/24

2024-2025 Soft Bottom Channels

Reach 119

Rivas Canyon Channel

Before Photos 08/26/24

After Photos 02/17/24

2024-2025 Soft Bottom Channels

Reach 120

Jake's Way Channel

Photos 08/28/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 121

San Francisquito Creek (Newhall Ranch Road)

Photos 09/03/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 121

San Francisquito Creek (Newhall Ranch Road)

Photos 09/03/24

No Work Allowed

2024-2025 Soft Bottom Channels

Reach 122

Las Virgenes Creek

Before Photos 08/17/24

After Photos 12/14/24

2024-2025 Soft Bottom Channels

Reach 122

Las Virgenes Creek

Before Photos 08/17/24

After Photos 12/14/24

2024-2025 Soft Bottom Channels

Reach 123

Haskell Canyon

Photos 09/03/24

No Work Allowed

ATTACHMENT NO. 5

BIOLOGICAL MONITORING REPORTS

DAILY REACH MAINTENANCE MONITORING

Observer Name: Sarah Thomas

Psomas Job Number:	3DPW180702 T007	**Survey Date:**	9/17/24
Project Name:	Soft-Bottom Channel Maintenance	**Start/End Time:**	0700-1100
Client:	LA County DPW	**Project Location (include County):**	Bull Creek Reach 7, City of Los Angeles, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	LACDPW Crew members	**Notes/Tips:**	
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 7 north of pedestrian bridge

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
67F	100%	0 mph	74F	0%	1 mph

Observations:

Ms. Thomas arrived onsite at 7:00AM on September 17, 2024 to conduct maintenance monitoring of Reach 7. A crew of 4 arrived at 8:00AM, work began at 8:30AM. First, an access pathway was cleared near the pedestrian bridge so the crew could access the maintenance area.

The Biologist and crew identified the maintenance limits prior to work beginning. Crew began clearing vegetation from the left bank towards the toe of slope, working up to top of bank.

During the day, the crew simultaneously removed trash and cut vegetation. Vegetation is removed using a rope pulled up the slope with a pick-up truck. Equipment used to remove vegetation included hand tools such as loppers and rakes.

The crew will return tomorrow at approximately 8:00AM to continue maintenance activities at Reach 7. The crew estimates one week to complete maintenance.

Species Observed:

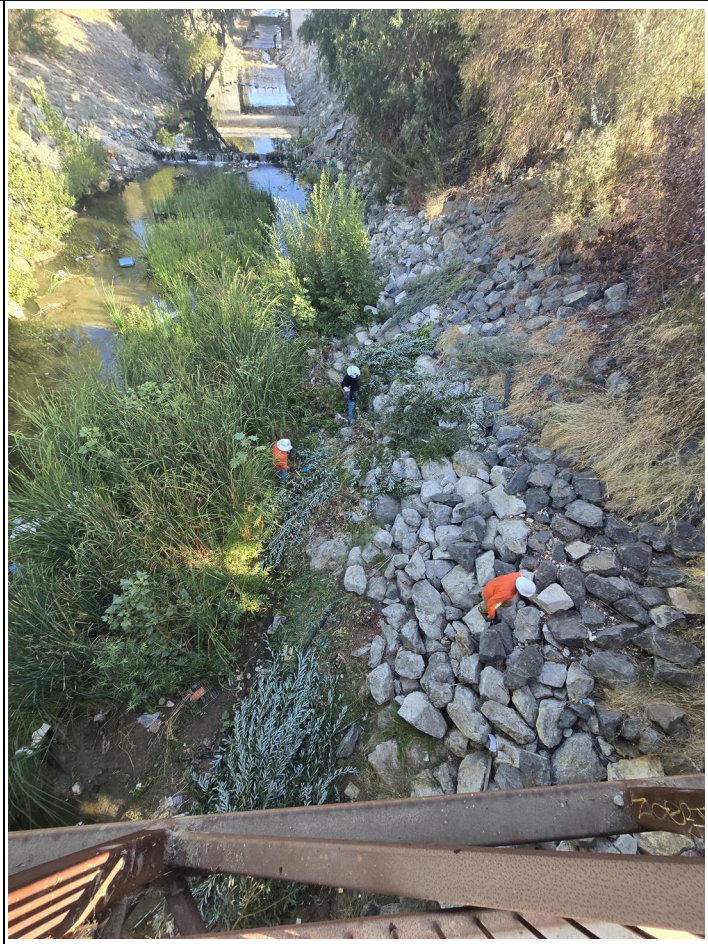
- Lesser goldfinch
- Belted kingfisher
- Bushtit
- American crow
- Rock pigeon
- Mourning dove
- Common raven
- House finch
- California towhee
- Green heron
- Great blue heron
- Black phoebe

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of Reach 7 left bank prior to maintenance activities.	View of Reach 7 right bank prior to crew arrival.

View upstream from pedestrian bridge at Reach 7.

View of crew removing vegetation at the toe of the left bank.



Observer Name: Sarah Thomas

Psomas Job Number:	3DPW180702 T007	**Survey Date:**	9/19/24
Project Name:	Soft-Bottom Channel Maintenance	**Start/End Time:**	0700-1200
Client:	LA County DPW	**Project Location (include County):**	Bull Creek Reach 7, City of Los Angeles, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	LACDPW Crew members	**Notes/Tips:**	
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 7 north of pedestrian bridge

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
66F	50%	2 mph	72F	50%	1 mph

Observations:

Ms. Thomas arrived onsite at 7:30AM on September 19, 2024 to conduct maintenance monitoring of Reach 7.

The crew continued working in the invert removing cattails etc. as well as working up at the top of the left bank cutting willow branches hanging over the levee.

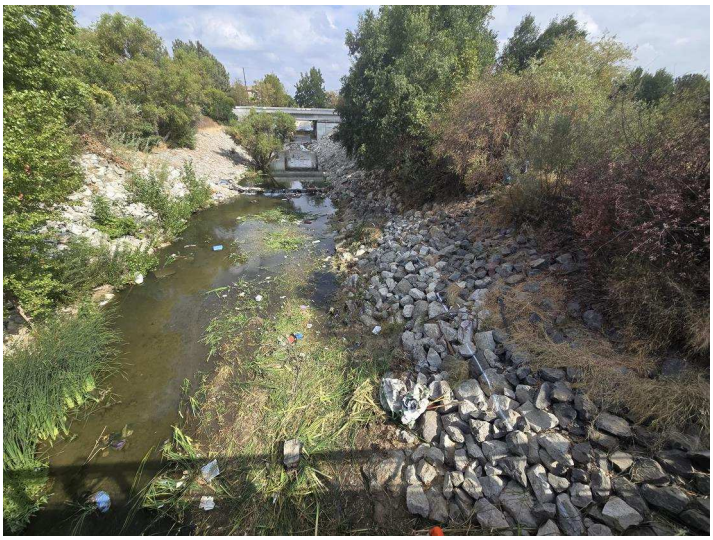
The crew simultaneously removed trash and cut vegetation. Equipment used to remove vegetation included hand tools such as loppers and rakes.

The crew will return tomorrow at approximately 8:00AM to continue maintenance activities at Reach 7.

Species Observed:

- Lesser goldfinch
- Bushtit
- Song sparrow
- Common yellowthroat
- Anna's hummingbird
- Allen's hummingbird
- American crow
- Rock pigeon
- Mourning dove
- Common raven
- House finch
- California towhee
- Spotted towhee
- Green heron
- Great blue heron
- Great egret
- Black phoebe

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of Reach 7 left bank prior to today's maintenance activities.	View of Reach 7 right bank prior to work activities, cottonwoods to retain were identified to crew.
	

View upstream below pedestrian bridge at Reach 7, showing BMPs and trash accumulated in Reach.

Observer Name: Sarah Thomas

Psomas Job Number:	3DPW180702 T007	**Survey Date:**	9/24/24
Project Name:	Soft-Bottom Channel Maintenance	**Start/End Time:**	1130-1145
Client:	LA County DPW	**Project Location (include County):**	Bull Creek Reach 7, City of Los Angeles, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	LACDPW Crew members	**Notes/Tips:**	
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 7 north of pedestrian bridge

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
75F	0%	0 mph	75F	0%	0 mph

Observations:

Ms. Thomas arrived onsite at 11:30AM on September 24, 2024 to conduct maintenance monitoring of Reach 7. No crew were onsite today. Photo taken and biologist vacated the site.

Species Observed:

- Rock pigeon
- Mourning dove
- Common raven
- House finch
- Red-tailed hawk

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of Reach 7 left bank during spot check, no crew working today.

Observer Name: Sarah Thomas

Psomas Job Number:	3DPW180702 T007	**Survey Date:**	9/25/24
Project Name:	Soft-Bottom Channel Maintenance	**Start/End Time:**	0830-1100
Client:	LA County DPW	**Project Location (include County):**	Bull Creek Reach 7, City of Los Angeles, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	LACDPW Crew members	**Notes/Tips:**	
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 7 north of pedestrian bridge

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
69F	50%	2 mph	74F	50%	1 mph

Observations:

Ms. Thomas arrived onsite at 8:30AM on September 25, 2024 to conduct a spot-check of the maintenance ongoing at Reach 7.

Crew worked on the right bank today, removing vegetation around the approximately four (not more than 1 per 10 feet) cottonwood trees per the maintenance plan. Vegetation was cleared on the invert and right bank today.

Maintenance is expected to continue into next week.

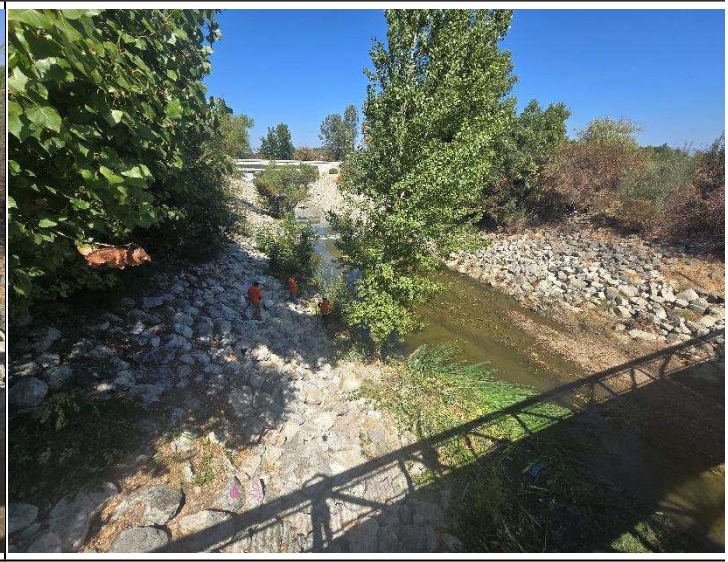
Species Observed:

- Rock pigeon
- Mourning dove
- Common raven
- House finch
- Red-tailed hawk
- Common yellowthroat
- Anna's hummingbird
- Allen's hummingbird
- American crow
- Rock pigeon
- Mourning dove
- Common raven
- House finch
- California towhee
- Spotted towhee

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of Reach 7 right bank during spot check monitoring, crew clearing vegetation around retained cottonwoods.

Additional view of Reach 7 right bank during spot check monitoring, crew clearing vegetation around retained cottonwoods.



View of Reach 7 left bank during spot check.

Observer Name: Sophie Aguilar

Psomas Job Number:	3DPW180702	**Survey Date:**	10/08/2024
Project Name:	Reach 14 Monitoring	**Start/End Time:**	Start: 6:30 AM Site arrival: 8:00 AM Site departure: 10:00 AM End: 11:00 AM
Client:	Los Angeles County Public Works	**Project Location:**	ANF/Arcadia, Los Angeles County
Participating Bios (Name/Company)**:**	Sophie Aguilar (Psomas)	**Notes:**	Vegetation removal completed
Survey Purpose:	Monitoring	**Work Area:**	Reach 14

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
70	0	0	76	0	0

Actions and Observations and Time:

Psomas Biologist Sophie Aguilar arrived on-site and met the Public Works crew at Reach 14. A quick sweep of the reach was conducted and vegetation removal began using weed-whips and chain saw. Castor bean (*Rinicus communis)* was bagged and removed from the site for disposal. Much of the vegetation removal had been done last week, so crews finished at around 10:00 AM and biologist left site.

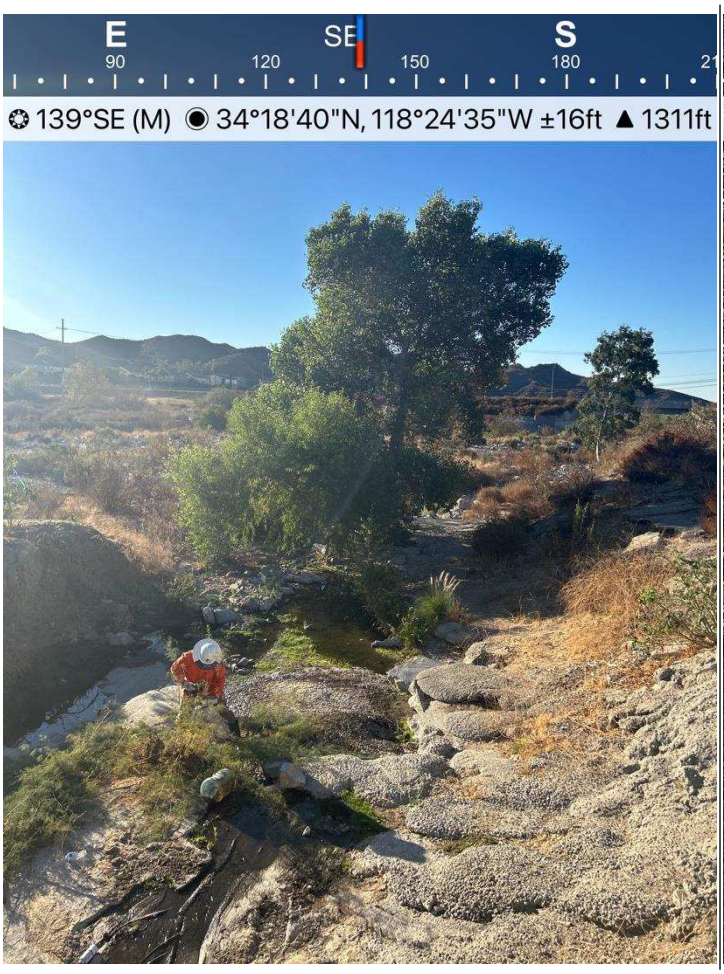
Species Observed (include coord. of all sensitive spp obs**):**

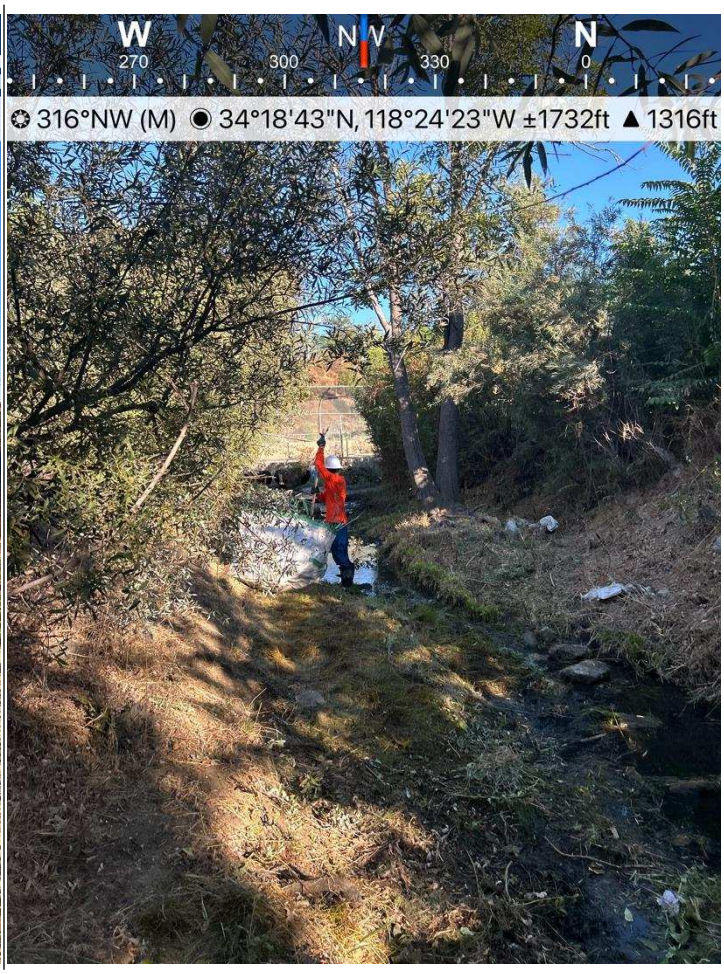
- House finch
- White-crowned sparrow
- California towhee
- Lesser goldfinch
- Anna's hummingbird
- Black phoebe
- Common raven
- Say's phoebe
- Common yellowthroat
- Red-shouldered hawk
- Red-tail hawk
- Bushtit
- Rufous-crowned sparrow
- Juvenile side-blotched lizard
- Song sparrow
- Peregrine falcon
- Blue-grey gnatcatcher
- Wrentit

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

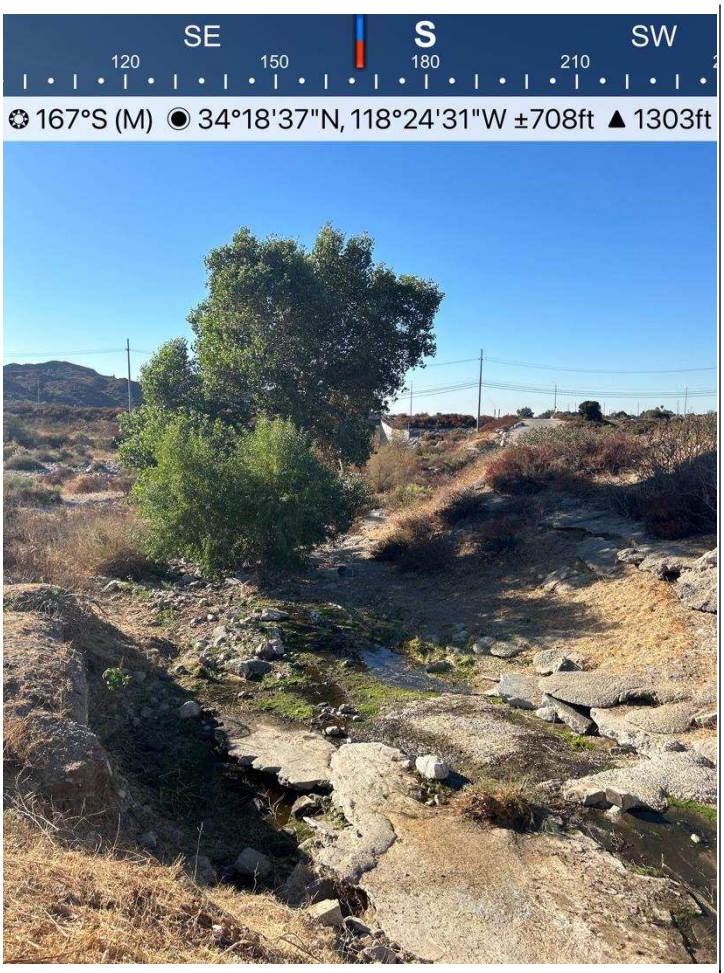
October 8, 2024. View of Reach 14, crews getting started on removing vegetation with a chainsaw.

October 8, 2024. Public Works crew bagging Castor bean (*Ricinus communis)* to dispose of off-site.


E
90
SE
120
S
150
180
139°SE (M) 34°18'40"N, 118°24'35"W ±16ft 1311ft


W
270
NW
300
330
N
0
316°NW (M) 34°18'43"N, 118°24'23"W ±1732ft 1316ft

October 8, 2024. View of Reach 14, vegetation removal complete.



Additional Notes:

Observer Name: Erin Ruckman

Psomas Job Number:	**3DPW180702**	**Survey Date:**	10/3/24
Project Name:	Maintenance Monitoring	**Start/End Time:**	9am/3:30pm
Client:	LA County DPW	**Project Location (include County):**	PCH and S Waterman Way, Harbor City, Los Angeles County
Participating Personnel (Name/Affiliation):	Marc Blain/Psomas Yvonne Taylor, Phung Ho, Gilbert Ulloala/LACDPW David Coronado/OakridgeLandscaping	**Notes/Tips:**	
Survey Purpose:	Maintenance Monitoring	**Project Area:**	Stickleback River Ranch

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
63	100	0-1	76	10	2-3

Observations:

Today Yvonne held a kickoff meeting at Reach 27. After touring the right bank south of Lomita, we met north of Lomita to go over the plan for that area.

After the kickoff, crews were on break until noon and met back on the right bank north of Lomita. The crews used a mower and multiple electric weed whakers and one electric chainsaw. They removed mostly fennel and some weedy annuals, avoiding the willows and mulefat. The mower kept breaking and required several repairs and the electric weed whackers are pretty slow going. After about an hour of use, they batteries on the equipment require recharging with a gas powered generator.

The crew began removing seed heads from numerous castor beans along Lomita. They collected and bagged most of the on site trash.

David from Oakridge asked if we had a problem with the use of gas powered hand tools. I told him that directive was handled by the county and he would need to speak with Yvonne for more information.

Around 3, Miguel left to get a part for the mower and the rest of the crew finished up at 3:30.

The crew will be returning tomorrow morning at 7am, right bank, north of Lomita. General schedule will be 7-3:30, lunch 11-12, though Friday may be a shorter day.

Species Observed:

Cooper's hawk
Northern mockingbird
Black phoebe
Mourning dove
Western gull
Red-tailed hawk
American crow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

David Coronado is the project lead from Oakridge Landscaping, (818) 404-0332.

Gilbert Ulloala, LACDPW crew leader will be on site every day, 818-618-5031.

Observer Name: Jonathan Aguayo

Psomas Job Number:	3DPW180702	**Survey Date:**	October 10, 2024
Project Name:	COLADWP Soft-Bottom Channel Annual Maintenance	**Start/End Time:**	6:27 AM – 3:10 PM
Client:		**Project Location (include County):**	Reach 27, Wilmington Drain, Los Angeles County
Participating Personnel (Name/Affiliation):	Jonathan Aguayo (Psomas) Oakridge staff Gilbert (DPW)	**Notes/Tips:**	Gilbert phone (818) 618-5031; gate codes 9757
Survey Purpose:	Biological Monitoring	**Project Area:**	Wilmington Drain, north and south of Lomita

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
59	100	2	75	0	4

Observations:

Psomas Senior Biologist Jonathan Aguayo monitored maintenance activities at Reach 27 for the Soft-Bottom Channel Annual Maintenance Project on October 10, 2024, to ensure that biological resources were not impacted and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Prior to the initiation of work, Mr. Aguayo communicated the plan in Spanish to ensure that all crew members fully understood the instructions provided by other biologists on previous days. They had some confusion about previous instructions, but we have clarified everything.

On October 10, 2024, maintenance activities conducted by DPW Contractor (Oakridge) consisted of a five-person crew removing non-native vegetation and trimming newly sprouting native vegetation with hand tools. A track loader was used to clear vegetation from the channel invert and transport the cut vegetation to a dumpster bin, which will be hauled off-site.

The crew will return tomorrow around 7 AM. Today, the crew completed maintenance activities north of Lomita Boulevard and will continue working on the west side of Wilmington Drain, south of Lomita Boulevard.

Species Observed:

- Baja California treefrog
- western fence lizard
- mallard
- western gull
- ring-billed gull
- great egret
- great blue heron
- black-crowned night-heron
- mourning dove
- rock pigeon
- red-tailed hawk
- red-shouldered hawk
- Anna's hummingbird
- Allen's hummingbird
- American kestrel
- belted kingfisher
- American crow
- common raven
- blue-gray gnatcatcher
- Bewick's wren
- black phoebe
- house finch
- lesser goldfinch
- bushtit
- song sparrow
- white-crowned sparrow
- California towhee
- Common yellowthroat
- California ground squirrel
- desert cottontail
- coyote (scat)

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

October 10, 2024. View of crew members collecting trash on the east side of Wilmington Drain, north of Lomita Boulevard.

October 10, 2024. View of crew member removing the seeds of non-native castor bean on the east side of Wilmington Drain, north of Lomita Boulevard.

October 10, 2024. View of crew member removing vegetation from the channel invert using a track loader from an area south of Lomita Boulevard.	**October 10, 2024.** View of crew member using a string trimmer to remove non-native vegetation on the west side of Wilmington Drain, south of Lomita Boulevard.

Observer Name: Jonathan Aguayo

Psomas Job Number:	3DPW180702	**Survey Date:**	October 14, 2024
Project Name:	COLADWP Soft-Bottom Channel Annual Maintenance	**Start/End Time:**	6:29 AM – 3:09 PM
Client:		**Project Location (include County):**	Reach 27, Wilmington Drain, Los Angeles County
Participating Personnel (Name/Affiliation):	Jonathan Aguayo (Psomas) Oakridge staff	**Notes/Tips:**	Gilbert phone (818) 618-5031; gate codes 9757
Survey Purpose:	Biological Monitoring	**Project Area:**	Wilmington Drain, south of Lomita

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
61	100	1	72	10	4

Observations:

Psomas Senior Biologist Jonathan Aguayo monitored maintenance activities at Reach 27 for the Soft-Bottom Channel Annual Maintenance Project on October 14, 2024, to ensure that biological resources were not impacted and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Maintenance activities conducted by DPW Contractor (Oakridge) consisted of a five-person crew removing non-native vegetation and trimming newly sprouting native vegetation with hand tools. A track loader was used to clear vegetation from the channel invert.

The crew will return tomorrow around 7 AM and will continue working on the west side of Wilmington Drain, south of Lomita Boulevard.

Species Observed:

- western fence lizard
- southern alligator lizard
- ring-billed gull
- great egret
- great blue heron
- black-crowned night-heron
- mourning dove
- rock pigeon
- red-tailed hawk
- red-shouldered hawk
- Anna's hummingbird
- Allen's hummingbird
- American kestrel
- belted kingfisher
- American crow
- common raven
- blue-gray gnatcatcher
- Bewick's wren
- black phoebe
- house finch
- lesser goldfinch
- bushtit
- song sparrow
- white-crowned sparrow
- California towhee
- Common yellowthroat
- California ground squirrel
- desert cottontail
- coyote

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

October 14, 2024. View of crew member cutting a branch that overhangs an access road, located on the west side of Wilmington Drain, south of Lomita Boulevard.

October 14, 2024. View of crew member trimming vegetation that overhangs an access road on the west side of Wilmington Drain, south of Lomita Boulevard.

October 14, 2024. View of crew member removing vegetation from the channel invert using a track loader from an area south of Lomita Boulevard.	**October 14, 2024.** View of crew member using a string trimmer to remove non-native vegetation on the west side of Wilmington Drain, south of Lomita Boulevard.

Observer Name: Jonathan Aguayo

Psomas Job Number:	3DPW180702	**Survey Date:**	October 16, 2024
Project Name:	COLADWP Soft-Bottom Channel Annual Maintenance	**Start/End Time:**	6:30 AM – 3:24 PM
Client:		**Project Location (include County):**	Reach 27, Wilmington Drain, Los Angeles County
Participating Personnel (Name/Affiliation):	Jonathan Aguayo (Psomas) Oakridge staff Gilbert Ulloa (COLADPW)	**Notes/Tips:**	Gilbert phone (818) 618-5031; gate codes 9757
Survey Purpose:	Biological Monitoring	**Project Area:**	Wilmington Drain, south of Lomita

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
60	100	2	71	100	4

Observations:

Psomas Senior Biologist Jonathan Aguayo monitored maintenance activities at Reach 27 for the Soft-Bottom Channel Annual Maintenance Project on October 16, 2024, to ensure that biological resources were not impacted and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Maintenance activities conducted by DPW Contractor (Oakridge) consisted of a four-person crew removing non-native vegetation and trimming newly sprouting native vegetation with hand tools. A track loader was used to clear vegetation from the channel invert.

The crew will return tomorrow around 7 AM and will continue working on the west side of Wilmington Drain, north of Pacific Coast Highway.

Species Observed:

- western fence lizard
- southern alligator lizard
- red-eared slider
- California gull
- ring-billed gull
- great egret
- great blue heron
- mourning dove
- rock pigeon
- red-tailed hawk
- red-shouldered hawk
- Anna's hummingbird
- Allen's hummingbird
- American kestrel
- belted kingfisher
- American crow
- common raven
- blue-gray gnatcatcher
- Bewick's wren
- black phoebe
- house finch
- lesser goldfinch
- bushtit
- song sparrow
- white-crowned sparrow
- California towhee
- Common yellowthroat
- fox squirrel
- California ground squirrel
- desert cottontail
- northern raccoon
- coyote
- mouse

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

October 16, 2024. View of crew member sweeping cut vegetation to be hauled off-site on the west side of Wilmington Drain, north of Pacific Coast Highway.

October 16, 2024. View of crew member trimming vegetation that overhangs an access road on the west side of Wilmington Drain, north of Pacific Coast Highway.

October 16, 2024. View of crew member collecting trash on the west side of Wilmington Drain, north of Pacific Coast Highway.

October 16, 2024. View of crew member using a string trimmer to remove non-native vegetation on the west side of Wilmington Drain, north of Pacific Coast Highway.

Observer Name: Jonathan Aguayo

Psomas Job Number:	3DPW180702	**Survey Date:**	October 22, 2024
Project Name:	COLADWP Soft-Bottom Channel Annual Maintenance	**Start/End Time:**	7:00 AM – 2:00 PM
Client:		**Project Location (include County):**	Reach 27, Wilmington Drain, Los Angeles County
Participating Personnel (Name/Affiliation):	Jonathan Aguayo (Psomas) Oakridge staff Gilbert Ulloa (COLADPW)	**Notes/Tips:**	Gilbert phone (818) 618-5031; gate codes 9757 Condo gate code: ##1625
Survey Purpose:	Biological Monitoring	**Project Area:**	Wilmington Drain, east side, north of Pacific Coast Highway

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
56	0	2	78	0	4

Observations:

Psomas Senior Biologist Jonathan Aguayo monitored maintenance activities at Reach 27 for the Soft-Bottom Channel Annual Maintenance Project on October 22, 2024, to ensure that biological resources were not impacted and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Maintenance activities conducted by DPW Contractor (Oakridge) consisted of a five-person crew removing non-native vegetation and trimming newly sprouting native vegetation with hand tools. Crew also collected trash to be hauled off-site. A track loader was used to haul cut vegetation from the channel invert to a container bin for removal.

Similar to last year, four large trees were skipped during the clearing. A gum tree (*Eucalyptus* sp.) on the west side of Wilmington Drain, south of Lomita Boulevard, was left in place to avoid damaging a large willow (*Salix* sp.) that it supports. Removing the gum tree would cause the willow to break and lose the valuable cover it currently provides. This decision was made last year in the field, after reviewing the situation with Marc Blain. Additionally, three multi-trunk ash trees (*Fraxinus* sp.) on the east side of Wilmington Drain, north of Pacific Coast Highway, were not cut this year. These trees are too large for Oakridge to handle under their contract with the County. According to a discussion with Gilbert, the County plans to hire an arborist contractor to remove them, potentially as soon as next week. I have flagged the trees with red-and-white flagging to help the contractor locate them more easily, per Gilbert's request. I also asked Gilbert to inform Yvonne

Species Observed:

- western fence lizard
- red-eared slider
- great egret
- great blue heron
- mourning dove
- rock pigeon
- red-shouldered hawk
- Anna's hummingbird
- Allen's hummingbird
- American crow
- common raven
- Bewick's wren
- black phoebe
- house finch
- lesser goldfinch
- bushtit
- white-crowned sparrow
- fox squirrel
- California ground squirrel
- desert cottontail
- coyote

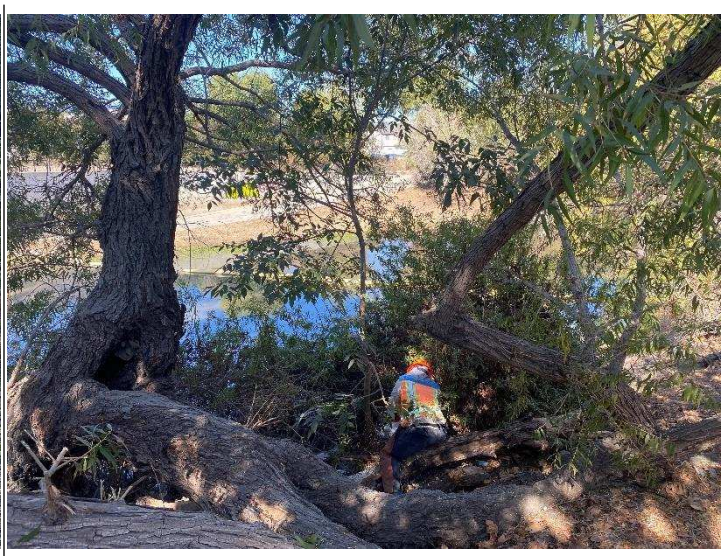
**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

and/or Psomas when the work is scheduled, so biological monitoring can be provided if necessary.

Oakridge completed their work today and will not be returning this season.

October 22, 2024. View of crew members using string trimmer to remove non-native vegetation from the channel invert, north of Pacific Coast Highway.

October 22, 2024. View of crew member cutting a small ash tree on the east side of Wilmington Drain, north of Pacific Coast Highway.



October 22, 2024. View of crew member collecting trash on the east side of Wilmington Drain, north of Pacific Coast Highway.

October 22, 2024. View of skipped large ash tree to be removed later. Tree was flagged with red-and-white flagging.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	Oct 7, 2024
Project Name:	COLADPW SBC Annual Maintenance	**Start/End Time:**	7:00 AM – 3:30 PM
Client:	Los Angeles County	**Project Location (include County):**	Reach 27, Wilmington Drain, Los Angeles County
Participating Personnel (Name/Affiliation):	Oakridge crew Gilbert (DPW)	**Notes/Tips:**	Gilbert phone (818) 618-5031
Survey Purpose:	Monitoring	**Project Area:**	Wilmington Drain, north and south of Lomita

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
61	100	0-1	72	25	0-1

Observations:

Psomas Senior Biologist Lindsay Messett monitored the Oakridge crew clear vegetation at Reach 27 north of Lomita. The crew consisted of four individuals (3 using weed whippers and loppers and one driving a mower) to remove upland vegetation and trim back mule fat shrubs in the area west of the invert channel.

Crew worked from 7am to 3:30 pm and took a lunch break from 11:00am to 12:00pm.

Species Observed:

- western fence lizard
- mourning dove
- rock pigeon
- Anna's hummingbird
- bushtit
- house wren
- black phoebe
- California towhee
- house finch
- lesser goldfinch
- common yellowthroat
- American kestrel
- common raven
- red-tailed hawk
- red-shouldered hawk
- blue-gray gnatcatcher
- Say's phoebe

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

Oct 7, 2024. Oakridge crew member using weed whippers to cut upland vegetation north of Lomita.

Oct 7, 2024. Oakridge crew member mowing upland vegetation, north of Lomita.

Oct 7, 2024. Oakridge crew members using weed whippers to cut upland vegetation north of Lomita.

Oct 7, 2024. Oakridge crew members using weed whippers and mower to remoe upland vegetation north of Lomita.

Observer Name: Sophie Aguilar

Psomas Job Number:	3DPW180702	**Survey Date:**	Oct 21, 2024
Project Name:	COLADPW SBC Annual Maintenance	**Start/End Time:**	5:45 AM - 5:15 PM
Client:	Los Angeles County	**Project Location (include County):**	Reach 27, Wilmington Drain, Los Angeles County
Participating Personnel (Name/Affiliation):	Oakridge crew Gilbert (DPW)	**Notes/Tips:**	Gilbert phone (818) 618-5031; PCH gate code 9757; Condo gate code: ##1625 (note two pound signs)
Survey Purpose:	Monitoring maintenance activities	**Project Area:**	Wilmington Drain, north and south of Lomita

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
57	10	2	75	40	4/5

Observations:

Psomas Biologists Sophie Aguilar monitored Oakridge Landscape crew cut vegetation at Reach 27 from 8AM to 3:30PM on October 21 south of Lomita in the invert channel as well as clearing along the left bank upland slope area. Oakridge Landscape crew used a skidsteer with mower and claw attachment, and hand tools: lopper, weed whackers, and chainsaw.

Monitoring Activities:
Ms. Aguilar arrived on-site and swept Reach 27 south of Lomita Blvd. No special status species or active nests were observed.

Oakridge landscape crew of 4 arrived on-site and began removing vegetation from the left bank using weed whackers. Some large tree branches were removed from the “island” that were impeding water flow using a pole pruner. One crewmember was collecting litter accumulated in the area and bagging it in trash bags. Large debris and tree branches were moved out of the invert and into a dumpster using the skidsteer.

Blue Ocean was on-site with Gilbert from Public Works, working south of the Oakridge crew cleaning large trash/ debris and biohazard material.

Work will continue at 8:00 AM tomorrow south of Lomita Blvd., accessing the reach from Pine Creek Terrance Condos. Crews are set to complete this work either Tuesday (10/22) or Wednesday (10/23).

Species Observed:

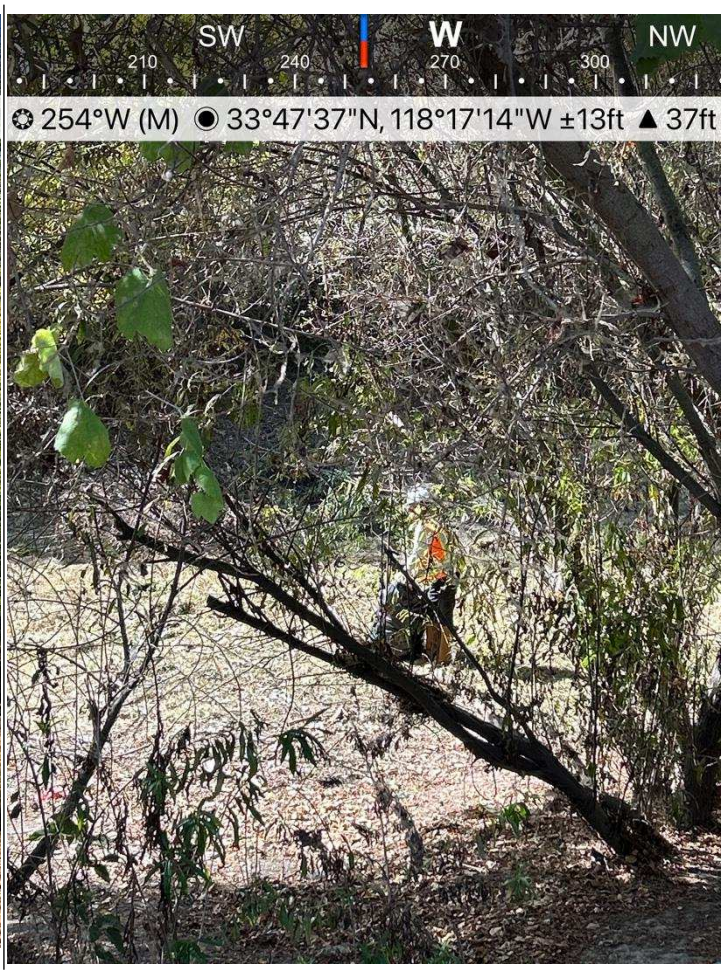
- Bushtit
- Black phoebe
- Canada goose
- California scrub-jay
- California ground squirrel
- House finch
- White-crowned sparrow
- American crow
- Red-tailed hawk
- Allen’s hummingbird
- Anna’s hummingbird
- Common raven
- Great egret
- Yellow-rumped warbler
- Orange-crowned warbler
- House wren
- Red-shouldered hawk
- Blue-grey gnatcatcher
- Great blue heron

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

Oct 21, 2024. Oakridge removing herbaceous vegetation using weed whackers.

Oct 21, 2024. Crew removing accumulated trash from the invert.

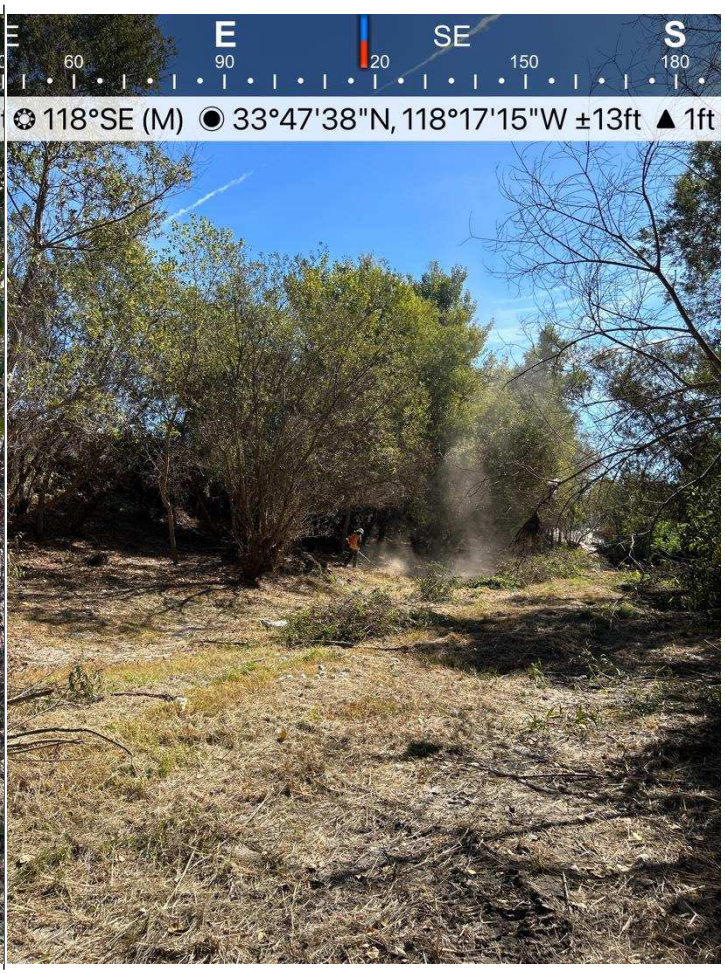
SE
S
SW
120
150
180
210
240
182°S (M) 33°47'42"N, 118°17'15"W ±114ft ▲ 21ft


SW
W
NW
210
240
270
300
254°W (M) 33°47'37"N, 118°17'14"W ±13ft ▲ 37ft

Oct 21, 2024. Skidsteer moving large branches and grinding weeds.

Oct 21, 2024. Crew clearing invert of channel with weed whackers.

S
180
210
SW
240
W
270
231°SW (M)
33°47'37"N, 118°17'13"W ±13ft
55f


E
60
90
SE
20
150
S
180
118°SE (M)
33°47'38"N, 118°17'15"W ±13ft
1ft

Observer Name: Sarah Thomas

Psomas Job Number:	3DPW180702	**Survey Date:**	Oct 8, 2024
Project Name:	COLADPW SBC Annual Maintenance	**Start/End Time:**	7:00 AM – 3:30 PM
Client:	Los Angeles County	**Project Location (include County):**	Reach 27, Wilmington Drain, Los Angeles County
Participating Personnel (Name/Affiliation):	Oakridge crew Gilbert (DPW)	**Notes/Tips:**	Gilbert phone (818) 618-5031
Survey Purpose:	Monitoring	**Project Area:**	Wilmington Drain, north and south of Lomita

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
65	100	0	70	0	1

Observations:

Psomas Biologists Sarah Thomas monitored the Oakridge crew clear vegetation at Reach 27 north of Lomita in the invert channel as well as clearing castor bean along the edge of the upland area. The mower broke in the early afternoon and was inoperable the rest of the day so the crew used weed whackers and loppers to clear weeds from the upland area.

Crew working from 7am to 3:30 pm.

Species Observed:

- western fence lizard
- mourning dove
- rock pigeon
- Anna's hummingbird
- bushtit
- house wren
- black phoebe
- California towhee
- house finch
- lesser goldfinch
- common yellowthroat
- American kestrel
- common raven
- great blue heron

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

Oct 8, 2024. Oakridge crew mowing the invert north of Lomita early in the morning.

Oct 8, 2024. Invert north of Lomita after mower broke, end of day.

Oct 8, 2024. Crew clearing castor bean north of Lomita.

Observer Name: Sarah Thomas

Psomas Job Number:	3DPW180702	**Survey Date:**	Oct 9, 2024
Project Name:	COLADPW SBC Annual Maintenance	**Start/End Time:**	7:00 AM – 3:30 PM
Client:	Los Angeles County	**Project Location (include County):**	Reach 27, Wilmington Drain, Los Angeles County
Participating Personnel (Name/Affiliation):	Oakridge crew Gilbert (DPW)	**Notes/Tips:**	Gilbert phone (818) 618-5031; PCH gate code 9757
Survey Purpose:	Monitoring maintenance activities	**Project Area:**	Wilmington Drain, north and south of Lomita

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
65	100	0	70	0	1

Observations:

Psomas Biologists Sarah Thomas monitored the Oakridge crew clear vegetation at Reach 27 from 7AM to 3:30PM north of Lomita in the invert channel as well as clearing along the left bank upland area. The crew used a mower and weed whackers to complete vegetation clearing from the invert. They also used weed whackers and telescoping hand chainsaws to lollipop willows (to 6 feet) along the upland area of the left bank.

The crew completed vegetation maintenance north of Lomita; however, trash still remains along the left bank and the invert channel. Gilbert from DPW was reminded of the county responsibility to clear trash.

Crew will resume working from 7am to 3:30 pm south of Lomita tomorrow.

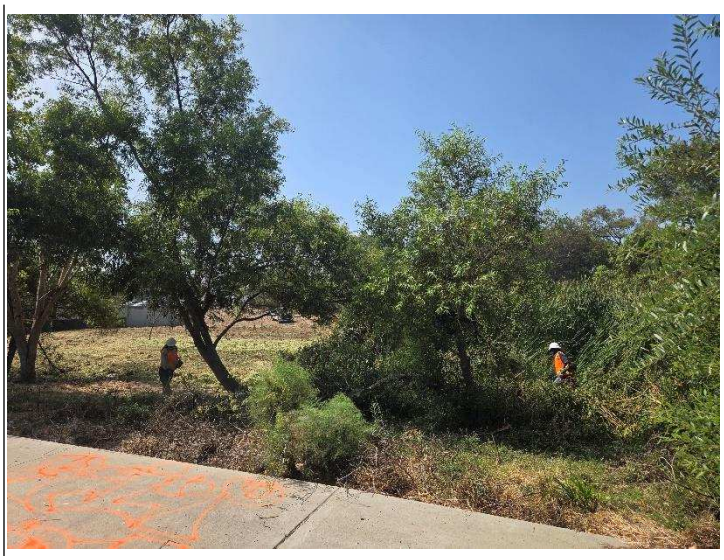
Species Observed:

- western fence lizard
- side-blotched lizard
- brown rat
- mourning dove
- rock pigeon
- Anna's hummingbird
- bushtit
- house wren
- Bewick's wren
- European starling
- black phoebe
- California towhee
- house finch
- lesser goldfinch
- common yellowthroat
- American kestrel
- red-tailed hawk
- blue-gray gnatcatcher
- common raven
- great blue heron
- great egret

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

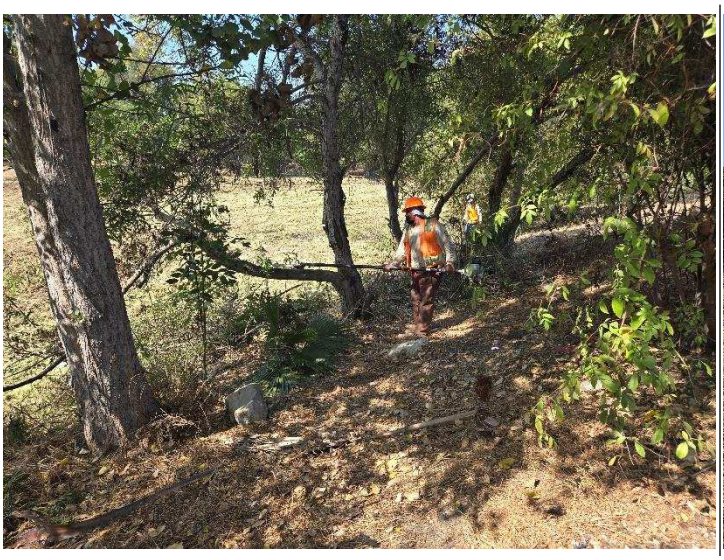
Oct 9, 2024. Oakridge crew mowing the invert north of Lomita early in the morning.

Oct 9, 2024. Crew weed whacking the upland area on the left bank north of Lomita



Oct 9, 2024. Crew lolipopping willows on the left bank north of Lomita.

Oct 9, 2024. End of day photo of the invert north of Lomita. Crew finished vegetation maintenance north of Lomita today.



Observer Name: Trevor Bristle

Psomas Job Number:	3DPW180702	**Survey Date:**	October 15, 2024
Project Name:	COLADWP Soft-Bottom Channel Annual Maintenance	**Start/End Time:**	0700 to 1520
Client:	COLADWP	**Project Location (include County):**	Reach 27, Wilmington Drain, Los Angeles County
Participating Personnel (Name/Affiliation):	Trevor Bristle (Psomas) Oakridge staff Gilbert Ulloa (COLADWP)	**Notes/Tips:**	Gilbert phone (818) 618-5031; gate codes 9757 Enter from south gate
Survey Purpose:	Biological Monitoring	**Project Area:**	Wilmington Drain, south of Lomita

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
64	100	0	69	90	1

Observations:

Psomas Senior Biologist Trevor Bristle monitored maintenance activities at Reach 27 for the Soft-Bottom Channel Annual Maintenance Project on October 15, 2024, to ensure that biological resources were not impacted and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Maintenance activities conducted by DPW Contractor (Oakridge) consisted of a five-person crew removing non-native vegetation and trimming newly sprouting native vegetation with hand tools. A track loader was used to clear vegetation from the channel invert.

The crew will return tomorrow around 7 AM and will continue working on the west side of Wilmington Drain, south of Lomita Boulevard.

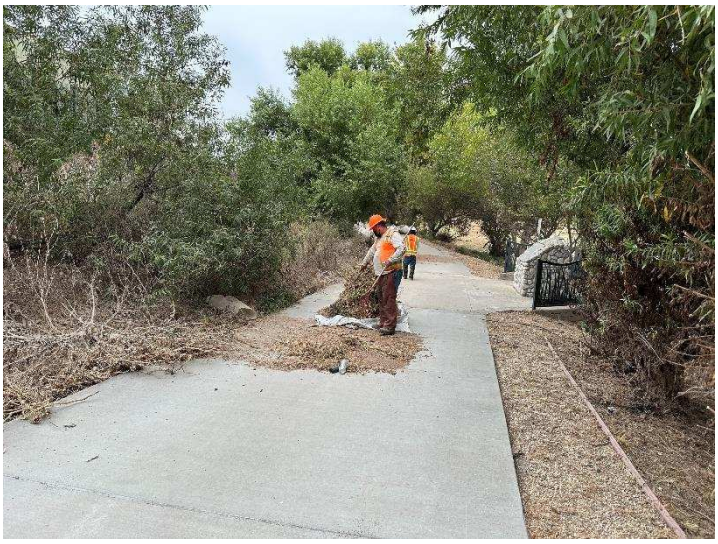
Species Observed:

- alligator lizard
- red-shouldered hawk
- red-crowned parrot
- Allen's hummingbird
- American goldfinch
- red squirrel
- lesser goldfinch
- bushtit
- black phoebe
- California towhee
- Anna's hummingbird
- house finch
- American crow
- oak titmouse
- white-crowned sparrow
- house wren
- orange-crowned warbler
- American kestrel
- scaly-breasted munia
- mallard
- common raven
- yellow-rumped warbler
- California gull

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

October 15, 2024. View of crew member removing debris from the previous days cutting on the west bank, south of Lomita.

October 15, 2024. View of crew member trimming vegetation on the slope on the west side of Wilmington Drain, south of Lomita Boulevard.



October 15, 2024. View of skidsteer with mower attachment clearing vegetation from the channel invert, south of Lomita.

October 15, 2024. View of area after vegetation clearing, south of Lomita.

Observer Name: Trevor Bristle

Psomas Job Number:	3DPW180702	**Survey Date:**	10/4/24
Project Name:	COLADPW SBC Annual Maintenance	**Start/End Time:**	0700 to 1515
Client:	Los Angeles County	**Project Location (include County):**	Reach 27, Wilmington Drain, Los Angeles County
Participating Personnel (Name/Affiliation):	Oakridge crew Gilbert Ulloa (DPW)	**Notes/Tips:**	Gilbert phone (818) 618-5031
Survey Purpose:	Monitoring	**Project Area:**	Wilmington Drain, north and south of Lomita

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
64	100	0	75	10	1

Observations:

Psomas Biologist Trevor Bristle monitored the Oakridge crew clear vegetation at Reach 27 north of Lomita. The crew consisted of five individuals (4 using weed whippers and loppers and 1 driving a skidsteer mower) to remove upland vegetation and trim back mule fat shrubs in the area west of the invert channel.

Crew worked from 0700 to 1515 and took a lunch break from 1100 to 1200.

Species Observed:

- house finch
- white-crowned sparrow
- red squirrel
- black phoebe
- California ground squirrel
- American crow
- blue-gray gnatcatcher
- side-blotched lizard
- American kestrel
- California towhee
- alligator lizard
- western fence lizard
- great egret

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

Oct 4, 2024. Oakridge crew using a skidsteer with mower attachment to clear vegetation north of Lomita.

Oct 4, 2024. Oakridge crew mowing and using weed whippers to clear vegetation north of Lomita.

Oct 4, 2024. Oakridge crew member using loppers to clear vegetation north of Lomita.

Oct 4, 2024. View of area north of Lomita after vegetation clearing.

Observer Name: Trevor Bristle

Psomas Job Number:	3DPW180702	**Survey Date:**	October 11, 2024
Project Name:	COLADPW Soft-Bottom Channel Annual Maintenance	**Start/End Time:**	0700 to 1530
Client:	COLADPW	**Project Location (include County):**	Reach 27, Wilmington Drain, Los Angeles County
Participating Personnel (Name/Affiliation):	Trevor Bristle (Psomas) Oakridge staff Gilbert Ulloa (DPW)	**Notes/Tips:**	Gilbert phone (818) 618-5031; gate codes 9757
Survey Purpose:	Biological Monitoring	**Project Area:**	Wilmington Drain, south of Lomita, west bank

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
60	100	0	78	30	1

Observations:

Psomas Biologist Trevor Bristle monitored maintenance activities at Reach 27 for the Soft-Bottom Channel Annual Maintenance Project on October 11, 2024, to ensure that biological resources were not impacted and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Medical needles were observed during the initial sweep of the area. The crew was notified and have been instructed to pick up vegetation/trash using hand tools only.

Maintenance activities conducted by the DPW Contractor (Oakridge) consisted of a five-person crew removing non-native vegetation and trimming newly sprouting native vegetation with hand tools. A skidsteer with mower attachment was used to clear vegetation from the channel invert.

The crew will return Monday (10/14) at 0700 to continue clearing the west side of Wilmington Drain, south of Lomita Boulevard.

Species Observed:

- western fence lizard
- red-shouldered hawk
- great egret
- side-blotched lizard
- blue-gray gnatcatcher
- bushtit
- house wren
- black phoebe
- anna's hummingbird
- common raven
- say's phoebe
- scaly breasted munia
- white-crowned sparrow
- California towhee
- dark-eyed junco
- mallard
- great-tailed grackle
- orange crowned warbler
- house finch
- mourning dove

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

October 11, 2024. Skidsteer with mower attachment clearing vegetation in the channel bottom.

October 11, 2024. Overview of channel bottom prior to clearing.

October 11, 2024. View of crew member clearing vegetation using a weed whipper.	**October 11, 2024.** Overview of channel bottom after vegetation clearing..

Observer Name: Cristina Juran

Psomas Job Number:	3DPW180702	**Survey Date:**	November 12, 2024
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0715-1430
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 39, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Ignacio (DPW) Foreman (6l61) 678-5445	**Notes/Tips:**	Access to the work area from Encanto Park and across Puente Largo Bridge.
Survey Purpose:	Biological monitoring	**Project Area:**	Reach 39

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
53	55	3	70	20	1

Observations:

Psomas Biologist Cristina Juran monitored maintenance activities at Reach 39 for the Soft-Bottom Channel Annual Maintenance Project on November 12, 2024, to ensure that biological resources were not impacted, and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Prior to start of work, Ms. Juran conducted a sweep survey of the area to confirm that no sensitive biological resources were present within the work area.

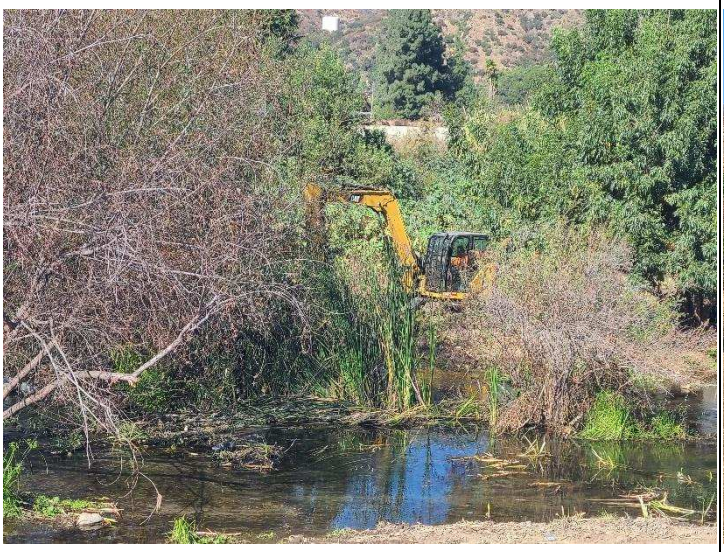
Maintenance activities conducted by Los Angeles County Department of Public works (LADPW) consisted of a six-person crew removing non-native castor bean (*Ricinus communis*) using hand tools and select vegetation with an excavator. Castor bean seeds were also cut and bagged for off-site disposal. Select vegetation removal included some native species, such as cattail (*Typha* sp.), while native willows (*Salix* sp.) near the water were slightly lollipopped.

Crew will return tomorrow, with Sarah on-site to provide biological monitoring.

Species Observed:

- Blue-gray gnatcatcher
- Black phoebe
- Yellow-rumped warbler
- House finch
- Red-shouldered hawk
- Common raven
- White-crowned sparrow
- Coyote
- Bushtit
- American goldfinch
- Song sparrow
- Red-crowned parrot (fly-over)
- Mallard
- Double-crested cormorant (fly-over)
- Lesser goldfinch
- California towhee
- Bewick's wren
- California scrub-jay
- American coot
- Western bluebird
- Western fence lizard
- Turkey vulture

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

Excavator removing vegetation from channel.	Excavator cleaning up channel where most veg has been removed.
	

Observer Name: Jonathan Aguayo

Psomas Job Number:	3DPW180702	**Survey Date:**	October 31, 2024
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	6:29 AM – 1:00 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 39, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Ignacio (DPW) Foreman (6l61) 678-5445	**Notes/Tips:**	Access to the work area from Encanto Park and across Puente Largo Bridge.
Survey Purpose:	Biological monitoring	**Project Area:**	Reach 39

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
48	0	3	71	0	5

Observations:

Psomas Senior Biologist Jonathan Aguayo monitored maintenance activities at Reach 39 for the Soft-Bottom Channel Annual Maintenance Project on October 31, 2024, to ensure that biological resources were not impacted, and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Prior to start of work, Mr. Aguayo conducted a sweep survey of the area to confirm that no sensitive biological resources were present within the work area.

Several groups of double-crested cormorant (*Nannopterum auritus*), a California Department of Fish and Wildlife Watch List species, were observed flying overhead. Since they were not nesting, no California Natural Diversity Database forms will be submitted.

Maintenance activities conducted by Los Angeles County Department of Public works (LADPW) consisted mainly of a four-person crew removing non-native castor bean (*Ricinus communis*) using hand tools and selected vegetation with an excavator. Castor bean seeds were also cut and bagged for off-site disposal. Selected vegetation removal included some native species, such as cattail (*Typha* sp.), while native willows (*Salix* sp.) were intentionally left untouched per crew instructions.

The crew will not be working tomorrow and will return on Monday.

Species Observed:

- mosquito fish
- western fence lizard
- mallard
- snowy egret
- great egret
- double-crested cormorant
- turkey vulture
- great horned owl
- Anna's hummingbird
- Allen's hummingbird
- mourning dove
- red-tailed hawk
- American crow
- common raven
- black phoebe
- northern mockingbird
- Nuttall's woodpecker
- California scrub jay
- blue-gray gnatcatcher
- yellow-rumped warbler
- lesser goldfinch
- American goldfinch
- house finch
- spotted towhee
- California towhee
- white-crowned sparrow
- song sparrow
- common yellowthroat
- yellow-rumped warbler
- coyote
- desert cottontail

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

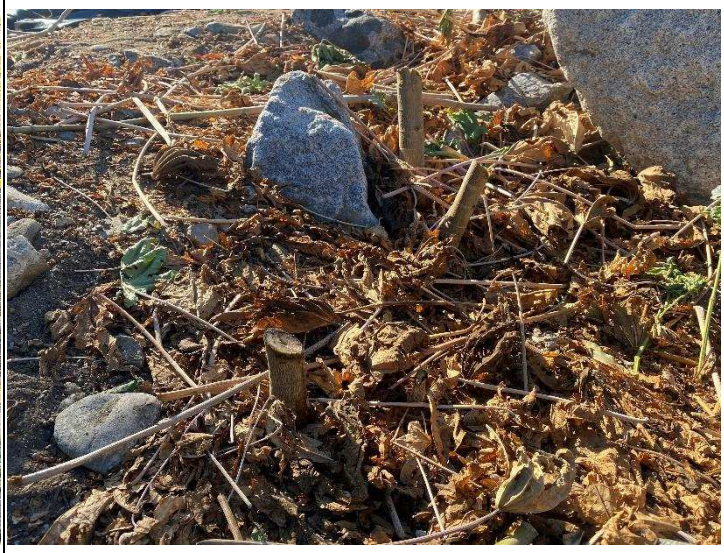
- fox squirrel
- California ground squirrel

View of excavator removing vegetation from channel.

View of crew members cutting non-native castor bean.

View of bagged castor bean seeds to be disposed off-site.

View of freshly cut castor bean stems.



Observer Name: Jonathan Aguayo

Psomas Job Number:	3DPW180702	**Survey Date:**	November 4, 2024
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:02 AM – 2:06 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 39, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Ignacio (DPW) Foreman (6l61) 678-5445	**Notes/Tips:**	Access to the work area from Encanto Park and across Puente Largo Bridge.
Survey Purpose:	Biological monitoring	**Project Area:**	Reach 39

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
50	0	4	76	0	6

Observations:

Psomas Senior Biologist Jonathan Aguayo monitored maintenance activities at Reach 39 for the Soft-Bottom Channel Annual Maintenance Project on November 4, 2024, to ensure that biological resources were not impacted, and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Prior to start of work, Mr. Aguayo conducted a sweep survey of the area to confirm that no sensitive biological resources were present within the work area.

Maintenance activities conducted by Los Angeles County Department of Public works (LADPW) consisted of a four-person crew removing non-native castor bean (*Ricinus communis*) using hand tools and selected vegetation with an excavator. Additionally, a track loader was used to gather cut vegetation for temporary stockpiling before off-site removal. Castor bean seeds were also cut and bagged for off-site disposal. Selected vegetation removal included some native species, such as cattail (*Typha* sp.), while native willows (*Salix* sp.) were intentionally left untouched per crew instructions.

The crew will return tomorrow, and I will be on-site to provide biological monitoring.

Species Observed:

- mosquito fish
- western fence lizard
- mallard
- green heron
- snowy egret
- turkey vulture
- scarlet macaw (pet)
- Anna's hummingbird
- Allen's hummingbird
- mourning dove
- red-tailed hawk
- American crow
- common raven
- black phoebe
- northern mockingbird
- Nuttall's woodpecker
- California scrub jay
- yellow-rumped warbler
- lesser goldfinch
- American goldfinch
- house finch
- spotted towhee
- California towhee
- white-crowned sparrow
- rufous-crowned sparrow
- song sparrow
- common yellowthroat
- yellow-rumped warbler
- desert cottontail
- California ground squirrel

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of excavator removing vegetation from channel.

View of crew member removing seeds from non-native castor bean for off-site disposal.

View of bagged castor bean seeds to be disposed off-site.

View of track loader gathering cut vegetation for temporary stockpiling before off-site removal.

Observer Name: Jonathan Aguayo

Psomas Job Number:	3DPW180702	**Survey Date:**	November 5, 2024
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:12 AM – 2:16 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 39, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Ignacio (DPW) Foreman (6l61) 678-5445	**Notes/Tips:**	Access to the work area from Encanto Park and across Puente Largo Bridge.
Survey Purpose:	Biological monitoring	**Project Area:**	Reach 39

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
54	0	2	76	0	6

Observations:

Psomas Senior Biologist Jonathan Aguayo monitored maintenance activities at Reach 39 for the Soft-Bottom Channel Annual Maintenance Project on November 5, 2024, to ensure that biological resources were not impacted, and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Prior to start of work, Mr. Aguayo conducted a sweep survey of the area to confirm that no sensitive biological resources were present within the work area.

Maintenance activities conducted by Los Angeles County Department of Public works (LADPW) consisted of a four-person crew removing non-native castor bean (*Ricinus communis*) using hand tools and selected vegetation with an excavator. Additionally, a track loader was used to gather cut vegetation for temporary stockpiling before off-site removal. Castor bean seeds were also cut and bagged for off-site disposal. Selected vegetation removal included some native species, such as cattail (*Typha* sp.), while native willows (*Salix* sp.) were intentionally left untouched per crew instructions. Per my request, crew also removed a few additional non-native vegetation such as wattle (*Acacia* sp.) and salt cedar (*Tamarix ramosissima*).

The crew will return tomorrow, and I will be on-site to provide biological monitoring.

Species Observed:

- mosquito fish
- western fence lizard
- mallard
- green heron
- Anna's hummingbird
- Allen's hummingbird
- mourning dove
- red-tailed hawk
- American crow
- common raven
- black phoebe
- northern mockingbird
- blue-gray gnatcatcher
- Bewick's wren
- California scrub jay
- horned lark
- lesser goldfinch
- American goldfinch
- house finch
- spotted towhee
- California towhee
- white-crowned sparrow
- rufous-crowned sparrow
- lark sparrow
- song sparrow
- western bluebird
- common yellowthroat
- yellow-rumped warbler
- desert cottontail
- California ground squirrel

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of excavator removing vegetation from channel.

View of crew member removing seeds from non-native castor bean for off-site disposal.

View of crew member cutting a non-native wattle (*Acacia* sp.) per my request.

View of track loader making a temporary stockpile before off-site removal.

Observer Name: Jonathan Aguayo

Psomas Job Number:	3DPW180702	**Survey Date:**	November 6, 2024
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:07 AM – 1:02 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 39, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Ignacio (DPW) Foreman (6l61) 678-5445	**Notes/Tips:**	Access to the work area from Encanto Park and across Puente Largo Bridge.
Survey Purpose:	Biological monitoring	**Project Area:**	Reach 39

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
53	80	8	75	40	6

Observations:

Psomas Senior Biologist Jonathan Aguayo monitored maintenance activities at Reach 39 for the Soft-Bottom Channel Annual Maintenance Project on November 6, 2024, to ensure that biological resources were not impacted, and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Prior to start of work, Mr. Aguayo conducted a sweep survey of the area to confirm that no sensitive biological resources were present within the work area.

Maintenance activities conducted by Los Angeles County Department of Public works (LADPW) consisted of a two-person crew removing non-native castor bean (*Ricinus communis*) using hand tools and selected vegetation with an excavator. Castor bean seeds were also cut and bagged for off-site disposal. Selected vegetation removal included some native species, such as cattail (*Typha* sp.), while native willows (*Salix* sp.) were intentionally left untouched per crew instructions. Per my request, crew also removed a few additional non-native vegetation such as giant reed (*Arundo donax*) and salt cedar (*Tamarix ramosissima*). Please note the crew ended a bit earlier today, possibly due to high winds.

Please note, the crew ended slightly early today, likely due to high winds. They will return tomorrow, with Tyler on-site to provide biological monitoring.

Species Observed:

- mosquito fish
- western fence lizard
- mallard
- green heron
- Anna's hummingbird
- Allen's hummingbird
- mourning dove
- red-tailed hawk
- American crow
- common raven
- black phoebe
- blue-gray gnatcatcher
- Bewick's wren
- California scrub jay
- horned lark
- lesser goldfinch
- American goldfinch
- house finch
- spotted towhee
- California towhee
- white-crowned sparrow
- rufous-crowned sparrow
- lark sparrow
- song sparrow
- western bluebird
- common yellowthroat
- yellow-rumped warbler
- desert cottontail
- California ground squirrel
- coyote

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of excavator removing vegetation from channel.	View of crew member cutting a non-native giant reed (*Arundo donax*) per my request.

Observer Name: Lela Updegrave

Psomas Job Number:	3DPW180702	**Survey Date:**	10/30/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0710 to 1205
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 39, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Ignacio (DPW) Foreman (661) 678-5445	**Notes/Tips:**	Access to the work area from Encanto Park and across Puente Largo Bridge.
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 39

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
47	20	3	66	40	3

Observations:

Psomas Biologist Lela Updegrave monitored construction activities at Reach 39 on October 30, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 30, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW). Ms. Updegrave conducted a sweep of the work area prior to construction activities to ensure that no sensitive biological resources (i.e. herpetofauna or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The crew consisted of 2 individuals today, with two more arriving later in the day. The work area is between the concrete lined channel and the spillway to the southwest. The crew used hand tools to remove castor bean seed pods and used an excavator to clear vegetation within the channel. The crew avoided the removal of larger trees present within the channel (*Salix spp.)*.

0710: Biologist arrives on site and conducts pre-sweep of the area.
0715: Two-person crew arrives.
0740: Crew informs biologist the plan is to continue removing vegetation in channel by hand and with excavator and skidsteer. Crew begins hand removal of castor bean on west bank while they wait of excavator to arrive.

Species Observed:

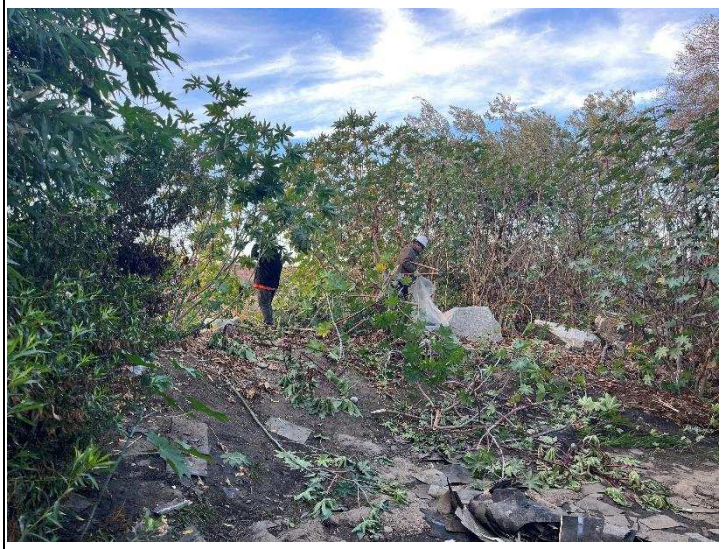
- Wrentit
- Cottontail
- Black phoebe
- Great egret
- Yellow-rumped warbler
- Common raven
- Double-crested cormorant
- Cooper's hawk
- Lesser goldfinch
- Spotted towhee
- White-crowned sparrow
- California towhee
- Common yellowthroat
- California scrub jay
- Northern flicker
- Song sparrow
- Northern mockingbird
- Red-tailed hawk
- Anna's hummingbird
- House finch
- Ruby-crowned kinglet
- Scaly-breasted munia
- Coastal whiptail
- Western fence lizard

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

1030: Two person hand crew leaves.
1102: Another two person crew arrives with excavator. Crew will be working in the channel removing smartweed and cattails and also removing castor bean by hand. Crew will be working until 2pm.
1205: Biologist leaves the Site for the day, leaving her phone number for the crew to contact her if they run into any problems. Crew will return the following day at 7am.

Overview of channel prior to clearing activities. Facing southwest.

View of crew hand clearing castor bean. Facing northeast.



View channel before clearing activities. Facing south.

View of excavator removing vegetation in channel.

Observer Name: Tyler Glaser

Psomas Job Number:	3DPW180702	**Survey Date:**	10/29/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0645 to 1430
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 39, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Ignacio (DPW) Foreman	**Notes/Tips:**	Access to the work area from Encanto Park and across Puente Largo Bridge.
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 39

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
53	30	1	70	40	4

Observations:

Psomas Biologist Tyler Glaser monitored construction activities at Reach 39 on October 29, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 29, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW). Mr. Glaser conducted a sweep of the work area prior to construction activities to ensure that no sensitive biological resources (i.e. herpetofauna or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The crew consisted of 4 individuals today. The work area is between the concrete lined channel and the spillway to the southwest. The crew used hand tools to remove castor bean seed pods prior to clearing vegetation with use of mower and excavator. The crew avoided the removal of larger trees present within the channel (*Salix spp.)*.

0836 – mower begins trimming vegetation just east of the channel.

0945 –excavator begins to clear dense section of cattails and larger castor bean plants present along northeast side of channel. Gathering trimmings with use of skid steer and transporting to pile further south.

Species Observed:

- black phoebe
- scaly-breasted munia
- song sparrow
- yellow-rumped warbler
- northern mockingbird
- red-tailed hawk
- lesser goldfinch
- common raven
- California towhee
- house finch
- western meadowlark
- red-shouldered hawk
- bushtit
- wrentit
- Bewick's wren
- great egret
- snowy egret
- mallard
- Nuttall's woodpecker
- white-crowned sparrow
- rufous-crowned sparrow
- ruby-crowned kinglet
- mourning dove
- northern mockingbird
- California scrub jay
- Anna's hummingbird
- California thrasher
- double-crested cormorant
- common yellowthroat
- osprey
- turkey vulture

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

1249 – coastal whiptail (*Cnemidophorus tigris multiscutatus)* observed basking next to channel on north side (~100 ft. away from work activities on opposite side). The individual was monitored until determined to be a safe distance away from work activities.
Coordinates: 34° 08’ 37” N, 117° 55’ 58” W.

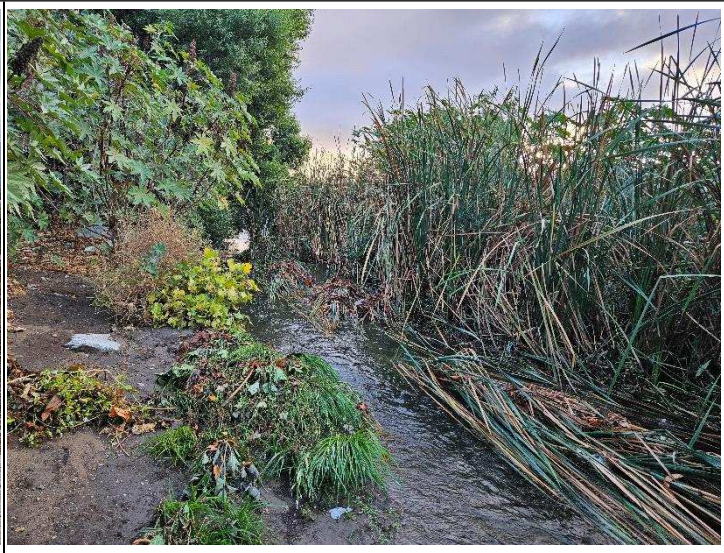
1419 – removal of vegetation with excavator and skid steer finished for day.

1437 – Mr. Glaser departs site after checking in with the crew. The crew will return tomorrow between 7-7:30 AM to continue clearing of castor bean and emergent aquatic vegetation present within channel.

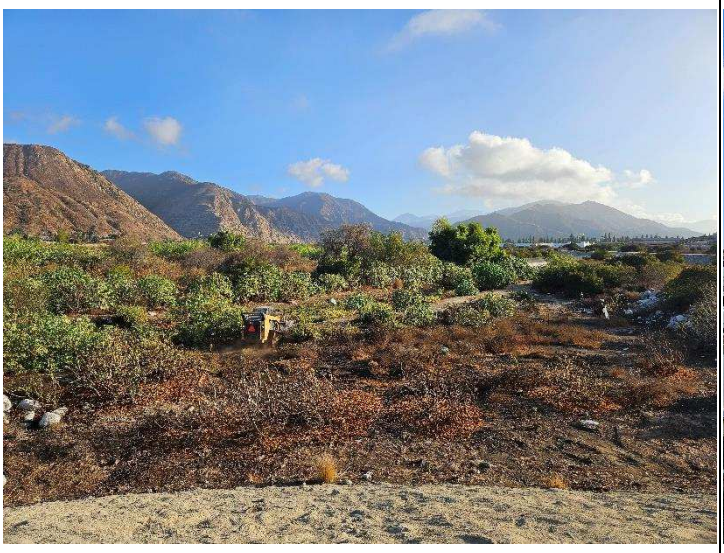
- blue-gray gnatcatcher
- Cooper’s hawk
- coastal whiptail
- western fence lizard
- common side-blotched lizard

October 29, 2024. Overview of channel prior to clearing activities. Facing north.

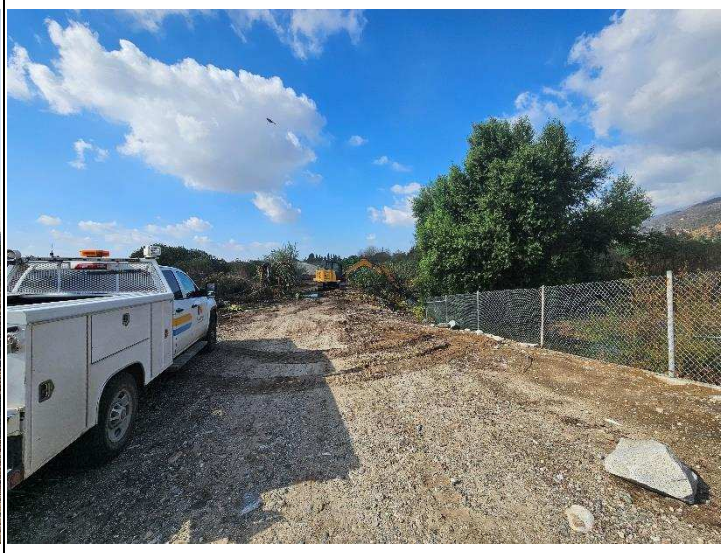
October 29, 2024. View of channel prior to clearing activities. Facing northeast.



October 29, 2024. View of mower clearing vegetation.

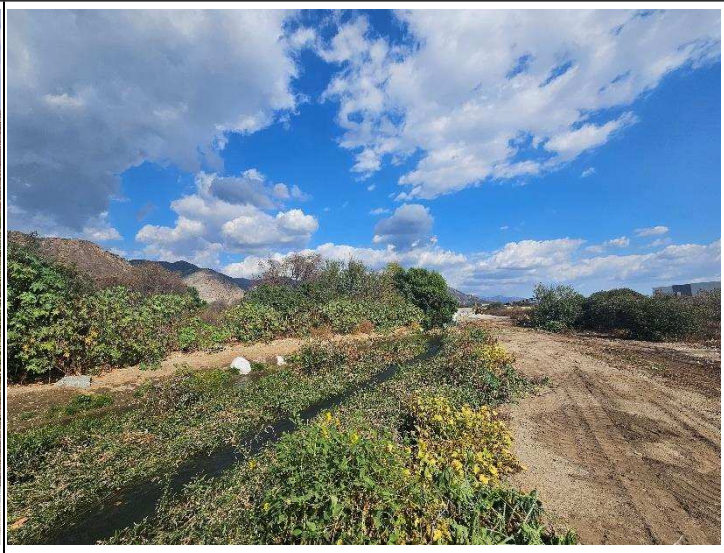


October 29, 2024. View of excavator removing vegetation in channel.



October 29, 2024. View of crew removing castor bean seed pods prior to clearing.

October 29, 2024. View of cleared vegetation along channel.



Observer Name: Steve Morris

Psomas Job Number:	3DPW180702	**Survey Date:**	Week Ending 2/7/25
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0650-1325
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 40b, San Gabriel River, South El Monte, Los Angeles County
Participating Personnel (Name/Affiliation):	Steve Morris (Psomas) Santiago (Orozco) James (Orozco)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 40b

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
47	100	1-3 mph	62	100	5-7 mph

Observations:

Psomas Biologist, Steve Morris, monitored vegetation removal at Reach 40b for week ending February 3rd through February 7th, 2025. Orozco Landscape operator, Santiago, was on site all week.

2/3/25:
0745 47 F 90% CC 1-3 MPH Winds
1325 62 F 70% CC 5-7 MPH Winds

Santiago and a hand crew of five were removing Castor Bean seeds and then mulching them up with the tractor along with mowing around the habitat in the lower end of the lowest section. James and one other hand crew member were chain sawing and removing some thicker vegetation in the riprap.

2/4/25:
0650 51 F 100% CC 1-3 MPH Winds
1115 56 F 75% CC 5-7 MPH Winds

The hand crew of five along with Santiago were still working the Castor Bean seeds in the lower section along with some mowing. James and one other also continued working the riprap.

2/5/25:
0720 52 F 100% CC 1-3 MPH Winds
0900 57 F 60% CC 5-7 MPH Winds

Some rain overnight so no mowing today. Handwork included removing some more non-natives (Ash, Tree-of-Heaven, etc) and work along the riprap. Tomorrow should

Species Observed:

- Desert Cottontail
- Canada Goose
- Mallard
- American Coot
- Pied-billed Grebe
- Double-crested Cormorant
- American White Pelican
- Great Egret
- Great Blue Heron
- Cooper's Hawk
- Black Phoebe
- American Crow
- Common Raven
- Bushtit
- Blue-gray Gnatcatcher
- Northern House Wren
- Northern Mockingbird
- House Finch
- Lesser Goldfinch
- American Goldfinch
- California Towhee
- Great-tailed Grackle
- Common Yellowthroat
- Yellow-rumped Warbler

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

be clearer with potential rain again Thursday night into Friday.

2/6/25:

0730	60F	100% CC	1-3 MPH Winds
1300	66F	75% CC	3-5 MPH Winds

Santiago was mowing using the tractor in the lower section on the east bank down near the confluence with San Jose Creek. The hand crew was working the slopes and removing Castor Bean Seeds in the same general area. James and one more in his hand crew were on the west bank in the lower section working the slopes. There was some drizzle, but the overnight rain didn't seem to affect the work.

2/7/25:

0815	57F	100% CC	1-3 MPH Winds
0915	58F	100% CC	1-3 MPH Winds

More rain overnight so the crew was just doing handwork along the slopes and in some open drier areas removing some non-natives. More rain in the forecast for the middle of next week.

Habitat in Reach 40b consists of willow riparian, some ornamental, and grassland/ruderal. Dominant species included non-native short-podded mustard (*Hirschfeldia incana*), non-native castor bean (Ricinus communis), non-native arundo (Arundo donax), mulefat (Baccharis salicifolia), willow (Salix sp.), blue elderberry (*Sambucus nigra* ssp. *caerulea*),

February 3, 2025: Removing vegetation in the riprap

February 4, 2025: Bagging up Castor Bean seeds in the lower section

February 6, 2025: Mowed area in lower section on the west bank

February 6, 2025: Working the slopes removing vegetation

Observer Name: Steve Morris

Psomas Job Number:	3DPW180702	**Survey Date:**	Week Ending 2/14/25
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0720-1030
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 40b, San Gabriel River, South El Monte, Los Angeles County
Participating Personnel (Name/Affiliation):	Steve Morris (Psomas) Santiago (Orozco) James (Orozco)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 40b

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
48	90	1-3 mph	57	75	5-7 mph

Observations:

Psomas Biologist, Steve Morris, monitored vegetation removal at Reach 40b for the Week Ending February 14th, 2025. Orozco Landscape operator, Santiago, was on site all week.

2/10/25:
0720 48 F 50% CC 1-3 MPH Winds
0945 55 F 40% CC 1-3 MPH Winds

Santiago and a hand crew of five were removing Arundo and some non-native vegetation on the east bank toward the middle of the lower section. Some large strands of Arundo are in this section. The crew were cutting the Arundo at the base of the plant and bringing up to the truck before breaking it in half in order to fit in the truck. They planned to continue working upriver towards the drop structure throughout the day. James and another in the hand crew were using a chain saw to remove vegetation in the riprap along the edges and below the drop structure on the west bank. They moved while I was present because there was to be a water release at 9:30 so they moved to a potentially safer spot to work.

The rubber dam was up when I arrived and crossed the river but was slowly deflating while I walked back so the water release was already on its way. The water didn't look too high so it appeared that most of the water would remain in the low-flow part of the river in the lower section. The biologist removed the flagging from the lower corner of the east bank in that lowest section since the crew has completed clearing in that location. The flagging remains up in the rest of the lower section and also in the middle section. The middle section is complete but mostly full of water at this point so the flags are not retrievable.

Species Observed:

- Canada Goose
- Mallard
- Common Goldeneye (Confluence with San Jose Creek)
- Anna's Hummingbird
- American Coot
- Pied-billed Grebe
- Double-crested Cormorant
- Neotropic Cormorant (Confluence with San Jose Creek)
- American White Pelican
- Snowy Egret
- Great Egret
- Belted Kingfisher
- Nuttall's Woodpecker
- Peregrine Falcon
- American Kestrel
- Black Phoebe
- American Crow
- Common Raven
- Bushtit
- Ruby-crowned Kinglet
- Blue-gray Gnatcatcher
- Northern House Wren
- Northern Mockingbird
- House Finch
- Lesser Goldfinch
- Song Sparrow
- California Towhee
- Spotted Towhee
- Red-winged Blackbird
- Yellow-rumped Warbler

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

2/11/25:

0730	49 F	90% CC	1-3 MPH Winds
1045	57 F	75% CC	5-7 MPH Winds

The hand crew of five along with Santiago were still working on the east bank removing non-natives and some Arundo. James and one other were separately on the same side working on cutting non-natives. The crews are hoping the rain holds off enough on Wednesday to get a few hours in continuing the same work.

2/12/25:

0710	49 F	100% CC	1-3 MPH Winds (Drizzle)
0845	51 F	100% CC	1-3 MPH Winds

The hand crews were both picking up previously cut vegetation before the oncoming storm. They were bringing it up to an extra trailer they brought and using a chain saw to make it fit. James mentioned they may leave early today if the rain gets worse. They don't plan to work on Thursday because of the rain and unsure about Friday yet.

No work for the last two days of the week due to rain and storm runoff.

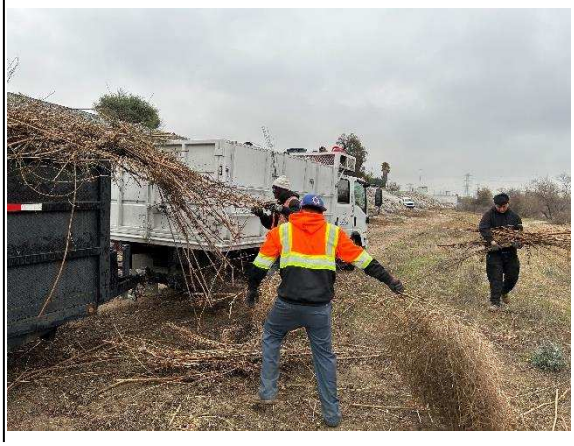
Habitat in Reach 40b consists of willow riparian, some ornamental, and grassland/ruderal. Dominant species included non-native short-podded mustard (*Hirschfeldia incana*), non-native castor bean (Ricinus communis), non-native arundo (Arundo donax), mulefat (Baccharis salicifolia), willow (Salix sp.), blue elderberry (*Sambucus nigra* ssp. *caerulea*),

February 10, 2025: Rubber dam inflated before lower drop structure

February 10, 2025: Cutting Arundo on the east bank of the lower section

February 10, 2025: Carrying cut vegetation to the truck on the east bank

February 12, 2025: Taking away cut vegetation before oncoming storm



Observer Name: Steve Morris

Psomas Job Number:	3DPW180702	**Survey Date:**	Week Ending 2/21/25
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0705-1045
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 40b, San Gabriel River, South El Monte, Los Angeles County
Participating Personnel (Name/Affiliation):	Steve Morris (Psomas) Santiago (Orozco) James (Orozco)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 40b

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
51	100	1-3 mph	65	90	3-5 mph

Observations:

Psomas Biologist, Steve Morris, monitored vegetation removal at Reach 40b for the Week Ending February 21st, 2025. Orozco Landscape operator, Santiago, was on site all week. Reach 40b has been completed for this season.

2/18/25:
0705 57 F 100% CC 1-3 MPH Winds
1000 65 F 90% CC 3-5 MPH Winds

Santiago and a hand crew of five were removing Arundo and some non-native vegetation near the center low flow in the lower section. James and one more in his hand crew were breaking up the Arundo to place in the truck to haul it away. Some large strands of Arundo are in this section and that was to be the plan for the rest of the day. The mowing has been completed so the expectation is by this Friday the work should be done as long as the rubber dams remain inflated. All three rubber dams were inflated upriver holding back some of the storm water from entering the lower section. The rubber dams must have been inflated after the initial storm flow as much of the native vegetation was leaning to the side with debris built up in some locations.

2/19/25:
0730 51 F 50% CC 1-3 MPH Winds
0915 56 F 25% CC 1-3 MPH Winds

The hand crew of five along with Santiago were still working on the west side removing non-natives, Castor Bean, and some Arundo. James and one other were separately on the same side working on cutting other non-natives. Both crews said they could possibly be done by late Wednesday or early Thursday depending on how this afternoon goes.

Species Observed:

- Canada Goose
- Egyptian Goose (Introduced)
- Mallard
- Anna's Hummingbird
- American Coot
- Black-necked Stilt
- Killdeer
- American White Pelican
- Black-crowned Night-Heron
- Snowy Egret
- Great Egret
- Downy Woodpecker
- Black Phoebe
- American Crow
- Common Raven
- Bushtit
- Blue-gray Gnatcatcher
- Song Sparrow
- California Towhee
- Red-winged Blackbird
- Common Yellowthroat
- Yellow-rumped Warbler

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

2/20/25:

0710	52 F	25% CC	1-3 MPH Winds
0740	53 F	25% CC	1-3 MPH Winds

The crews have finished the flagged area of Reach 40b. They finished yesterday afternoon after texting Carlos Orozco (owner). They were doing some work outside the channel for another project. The area is still quite wet as water is being released downriver so retrieving the flagging may have to wait until spring when things dry up a bit.

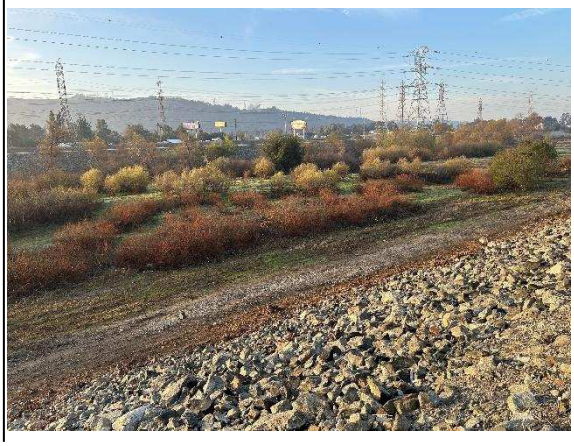
Habitat in Reach 40b consists of willow riparian, some ornamental, and grassland/ruderal. Dominant species included non-native short-podded mustard (*Hirschfeldia incana*), non-native castor bean (Ricinus communis), non-native arundo (Arundo donax), mulefat (Baccharis salicifolia), willow (Salix sp.), blue elderberry (*Sambucus nigra* ssp. *caerulea*),

February 18, 2025: Santiago cutting Arundo in the lower section

February 18, 2025: Cut Arundo being carried back to the truck

February 18, 2025: Storm flow created some debris piles

February 20, 2025: The lower section of Reach 40b after clearing



Observer Name: Steve Morris

Psomas Job Number:	3DPW180702	**Survey Date:**	09/16/24
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0640-1115
Client:	L.A. County Department of Public Works	**Project Location (include County):**	Reach 43a, San Gabriel River, Los Angeles County
Participating Personnel (Name/Affiliation):	Steve Morris (Psomas) Supervisors Miguel Magana & David and foreman Rojeilio- Oakridge (Contractor) Yvonne and Dave from LACoDPW	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 43a

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
67	100	0 mph	74	20	5-7 mph

Observations:

Psomas Biologist, Steve Morris, monitored vegetation removal at Reach 43a on September 16, 2024. Oakridge supervisors, Miguel Magana and David, were present at the beginning of clearing and the foreman, Rojeilio, was on site all day.

The kick-off meeting with the county, contractor, and biologist was held at the Pico Rivera Golf Course parking lot at 0900. The contractor crew and one of the county workers were there well before the meeting.

Work commenced right after the meeting and the crew of two, plus Rojeilio, got started bagging up Castor Bean seeds along the rip rap on the golf course side (west) of the river. A large trash bin was dropped off on that side as well during the day to collect all the Castor Bean seeds and Arundo that they plan on removing this week. The mower was to be delivered to a nearby county yard for overnight storage and planned to be used on day two. The crew continued with Castor Bean seed removal for the rest of the day.

Western Pond Turtle, herp, bird, and general surveys were conducted before maintenance began. Western Pond Turtles were searched for and none were observed during the survey. No other special status species were observed.

Habitat in Reach 43a consists of willow riparian, ornamental, and grassland/ruderal. Dominant species included non-native short-podded mustard (*Hirschfeldia incana*), non-native castor bean (Ricinus communis), non-native arundo (Arundo donax), mulefat (Baccharis salicifolia), willow (Salix sp.), blue elderberry (*Sambucus mexicanus*),

Species Observed:

- Canada Goose
- Mallard
- Double-crested Cormorant
- Great Blue Heron
- Great Egret
- Green Heron
- Black-crowned Night-Heron
- Red-tailed Hawk
- Belted Kingfisher
- Downy Woodpecker
- Nuttall's Woodpecker
- Black Phoebe
- Common Raven
- Bushtit
- House Wren
- Northern Mockingbird
- House Finch
- Song Sparrow
- California Towhee
- Red-winged Blackbird
- Common Yellowthroat
- Rock Pigeon (Introduced)
- Red-crowned Parrot (Introduced)
- European Starling (Introduced)

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

September 16, 2024: View of Western Pond Turtle habitat facing north from San Gabriel Parkway Bridge	September 16, 2024: View of Western Pond Turtle habitat facing north from drop structure at lower end of Reach 43a

September 16, 2024: Starting to remove Castor Bean seeds near dam on upper west side of Reach 43a

September 16, 2024: Bag full of Castor Bean seeds on upper west side of Reach 43a

Observer Name: Steve Morris

Psomas Job Number:	3DPW180702	**Survey Date:**	09/17/24
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0640-1415
Client:	L.A. County Department of Public Works	**Project Location (include County):**	Reach 43a, San Gabriel River, Los Angeles County
Participating Personnel (Name/Affiliation):	Steve Morris (Psomas) Foreman Rojeilio- Oakridge (Contractor) Dave (LACoDPW)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 43a

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
58	20	1-3 mph	77	25	5-7 mph

Observations:

Psomas Biologist, Steve Morris, monitored vegetation removal at Reach 43a on September 17, 2024. Oakridge, foreman, Rojeilio, was on site off and on throughout the day.

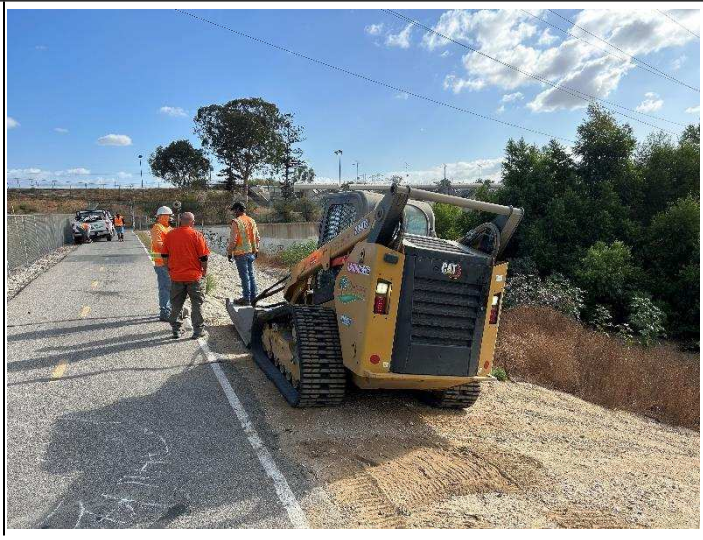
The crew showed up at 0700 and got started by about 0715. The foreman, Rojeilio was there at the beginning of work along with a crew of six others. One of those crew members left and came back with the skidsteer mower at 0900 and proceeded to mow the open areas on the west side of the river along with mulching up the Castor Bean that already had the seeds removed. He was basically making pathways for the crew to get to more Castor Bean and possibly some Arundo tomorrow. The rest of the crew used weed eaters along the bank below the bike path and others were still cutting Castor Bean seeds and bagging them up.

Habitat in Reach 43a consists of willow riparian, ornamental, and grassland/ruderal. Dominant species included non-native short-podded mustard (*Hirschfeldia incana*), non-native castor bean (Ricinus communis), non-native arundo (Arundo donax), mulefat (Baccharis salicifolia), willow (Salix sp.), blue elderberry (*Sambucus mexicanus*),

Species Observed:

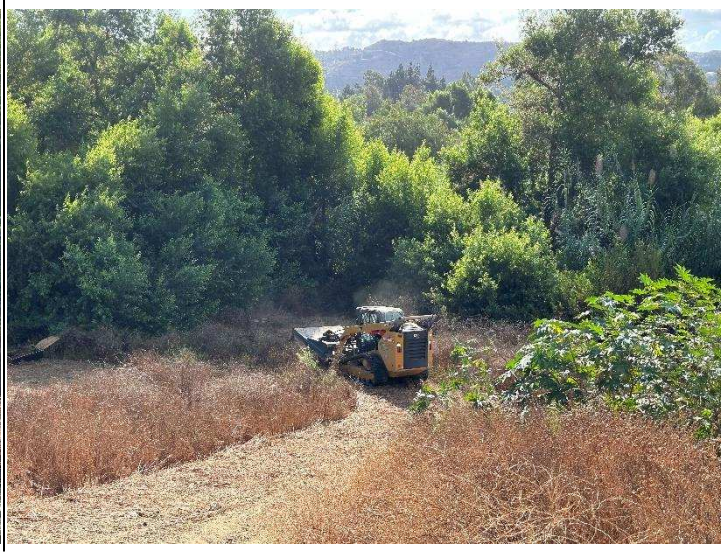
- Western Fence Lizard
- California Ground Squirrel
- Canada Goose
- Mourning Dove
- Anna's Hummingbird
- Double-crested Cormorant
- Great Egret
- Snowy Egret
- Black-crowned Night-Heron
- Turkey Vulture
- Osprey
- Cooper's Hawk
- Red-tailed Hawk
- Belted Kingfisher
- Downy Woodpecker
- Nuttall's Woodpecker
- American Kestrel
- Black Phoebe
- Cassin's Kingbird
- Common Raven
- Barn Swallow
- Bushtit
- House Wren
- House Finch
- Song Sparrow
- California Towhee
- Common Yellowthroat
- Rock Pigeon (Introduced)
- Red-crowned Parrot (Introduced)
- European Starling (Introduced)

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

September 17, 2024: The Oakridge crew gathering before work on the west side of Reach 43a.	September 17, 2024: The start of work at the upper west end of Reach 43a
	

September 17, 2024: Weed eating near dam on upper west side of Reach 43a

September 17, 2024: Mowing vegetation on upper west side of Reach 43a



Observer Name: Steve Morris

Psomas Job Number:	3DPW180702	**Survey Date:**	09/23/24
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0640-1330
Client:	L.A. County Department of Public Works	**Project Location (include County):**	Reach 43a, San Gabriel River, Los Angeles County
Participating Personnel (Name/Affiliation):	Steve Morris (Psomas) Supervisors – Miguel & David (Oakridge) Foreman - Oscar (Oakridge) Dave (LACoDPW)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 43a

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
62	100	0 mph	82	0	7-10 mph

Observations:

Psomas Biologist, Steve Morris, monitored vegetation removal at Reach 43a on September 23, 2024. Oakridge foreman, Oscar, was on site all day.

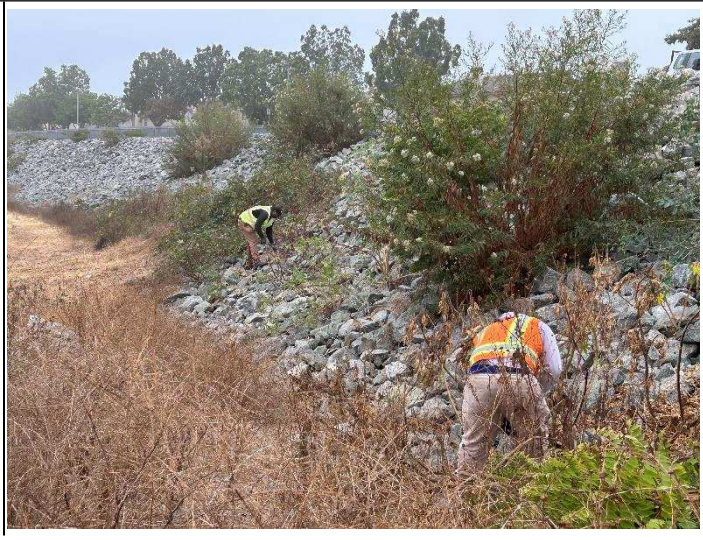
The crew showed up at 0640 and got started by 0700. The foreman, Oscar, was there all day along with a crew of five others. One of those crew members left and came back with the skidsteer at 0730. He started to mulch up some Castor Bean plants where the seeds had been removed and ended up breaking the chain on the mower. They are hoping to have it repaired by tomorrow morning. The rest of the crew used weed eaters along the bank below the bike path and others were still cutting and bagging Castor Bean seeds. The crew also were removing any plants within the rip rap below the bike path. The crew also started cutting some more Arundo after lunch. The large trash bin was replaced with an empty one of which in the afternoon they used the claw attachment on the skidsteer and grabbed the cut Arundo to place in the empty bin. DPW Dave and Oakridge David & Miguel were also on-site at times throughout the day.

Habitat in Reach 43a consists of willow riparian, ornamental, and grassland/ruderal. Dominant species included non-native short-podded mustard (*Hirschfeldia incana*), non-native castor bean (Ricinus communis), non-native arundo (Arundo donax), mulefat (Baccharis salicifolia), willow (Salix sp.), blue elderberry (*Sambucus mexicanus*),

Species Observed:

- Western Fence Lizard
- California Ground Squirrel
- Desert Cottontail
- Coyote
- Mallard
- Mourning Dove
- Anna's Hummingbird
- Green Heron
- Black-crowned Night Heron
- Cooper's Hawk
- Red-tailed Hawk
- Belted Kingfisher
- Downy Woodpecker
- Nuttall's Woodpecker
- Black Phoebe
- California Scrub-Jay
- Common Raven
- Bushtit
- House Wren
- Northern Mockingbird
- House Finch
- Song Sparrow
- California Towhee
- Common Yellowthroat
- Blue Grosbeak
- Rock Pigeon (Introduced)
- European Starling (Introduced)

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

September 23, 2024: Weed eating along the west side of Reach 43a.	September 23, 2024: Removing vegetation in the rip rap along the west side of Reach 43a
	

September 23, 2024: Cutting Arundo on the west side of Reach 43a

September 23, 2024: Praying Mantis having an early lunch on top of Castor Bean seed bag.

Observer Name: Jack Underwood

Psomas Job Number:	3DPW180702	**Survey Date:**	10/14 and 10/15
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	See Observations section for Datum
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 43a, San Gabriel River, Pico Rivera, Los Angeles County
Participating Personnel (Name/Affiliation):	Jack Underwood (Psomas) Dave (LACoDPW) Oscar – Foreman (Oakridge) 818-292-3409 David – Supervisor (Oakridge), 818-404-0332 Miguel – Supervisor (Oakridge)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 43a

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
63	100	0-1mph	87	0	3-5 mph

Observations:

Psomas Biologist, Jack Underwood, monitored vegetation removal at Reach 43a on October 14th and October 15th, 2024. Oakridge foreman, Oscar, was on site all week.

10/14/24:
0700 63 F 100% CC 0-1 MPH Winds
1330 87 F 0% CC 3-5 MPH Winds

The crew was already on site at 0700 when Mr. Underwood arrived. They got started around 0715. David the supervisor and Oscar the forman were discussing the work they would try and accomplish that day without their skid steer due to it being locked in a county yard. David was trying to communicate with the county in hopes of getting it at some point in the day. But while Mr. Underwood was on-site they were not able to retrieve it. The rest of the crew were either cutting down Arundo to be brought to bin later or still cutting and bagging Castor Bean seeds on the west bank. Oscar asked if they would be able to store the arundo overnight within the channel since they didn't have access to the skid steer for which Mr. Underwood made an exception.

The crew continued to bag Castor Bean seeds and Chop down arundo through out the remainder of the day. After lunch, the crew transitioned over to the Eastern bank to work on cutting the arundo and removing the castor bean seed pods and bagging them. Satisfied with the crews work and not needing to stay on-site due to them not

Species Observed:

- Western Fence Lizard
- California Ground-Squirrel
- Cottontail
- Canada Goose
- wrentit
- Mallard
- Mourning Dove
- Anna's Hummingbird
- American Coot
- Great Blue Heron
- Cassin's Kingbird
- Great Egret
- Snowy Egret
- Black-crowned Night-Heron
- White-faced Ibis
- Red-shouldered Hawk
- Red-tailed Hawk
- Belted Kingfisher
- Nuttall's Woodpecker
- Downy Woopecker
- Black Phoebe
- Say's Phoebe
- American Crow
- Common Raven
- Bushtit
- House Wren
- Bewick's Wren
- Northern Mockingbird

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

having access to their mower, Mr. Underwood let the site at 1:30 pm.

10/15/24:

0700	65 F	100% CC	1-3 MPH Winds
1445	84 F	50% CC	2-3 MPH Winds

Oscar the forman and the crew were on-site when Mr. Underwood arrived but did not start working till 0715 am. The crew had their skid steer on-site and so they split into two groups. One group continued on the west bank harvesting the arundo left from yesterday and the other group continued cutting arundo and bagging castor bean seeds on the east bank. At around 9:00 am, while the skid steer was picking up arundo, it hit a stump and the tracks on the skid steer came off the wheels. The crew on the west bank then split and while some dragged the arundo out to an area easily accessible, the other crew members set to work fixing the skid steer. The crew wasn't able to fix the skid steer till shortly after lunch after which the operator proceeded to pick up the remaining arundo and then mow the area on the west bank below San Gabriel Parkway. The operator finished this task around 2:20. Oscar said that they were going to then take the mower over to the east bank and continue mowing over there, before making the decision that they would start there tomorrow. At this point The west bank seems to be completed and now only the east bank remains to be finished.

Mr. Underwood left at 2:45 after hearing that they were done mowing for the day.

Habitat in Reach 43a consists of willow riparian, ornamental, and grassland/ruderal. Dominant species included non-native short-podded mustard (*Hirschfeldia incana*), non-native castor bean (Ricinus communis), non-native arundo (Arundo donax), mulefat (Baccharis salicifolia), willow (Salix sp.), blue elderberry (*Sambucus mexicanus*),

- Western Bluebird
- House Finch
- Lesser Goldfinch
- White-crowned Sparrow
- Song Sparrow
- California Towhee
- Great-tailed Grackle
- Orange-crowned Warbler
- Common Yellowthroat
- Green heron
- Yellow-rumped Warlber
- Rock Pigeon (Introduced)
- European Starling (Introduced)

October 14, 2024: Crew member cutting Arrundo

October 14, 2024: Arrundo being cut that is to be left on-site till 10/15

October 14, 2024: Crew members removing and bagging castor bean seeds on east bank

October 15, 2024: Skid steer removing the Arrundo.

October 15, 2024: Skid steer broke down, and crew members hauling the arrundo out of the problem area.

October 15, 2024: Mowing occurring below San Gabriel Parkway.

Observer Name: Jack Underwood

Psomas Job Number:	3DPW180702	**Survey Date:**	10/18/24
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	See Observations section for Datum
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 43a, San Gabriel River, Pico Rivera, Los Angeles County
Participating Personnel (Name/Affiliation):	Jack Underwood (Psomas) Dave (LACoDPW) Oscar – Foreman (Oakridge) 818-292-3409 David – Supervisor (Oakridge), 818-404-0332 Miguel – Supervisor (Oakridge)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 43a

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
63	100	0-1mph	84	0	3-5 mph

Observations:

Psomas Biologist, Jack Underwood, monitored vegetation removal at Reach 43a on October 14th and October 15th, 2024. Oakridge foreman, Oscar, was on site all week.

10/18/24:
0630 63 F 100% CC 1-3 MPH Winds
1420 84 F 50% CC 2-3 MPH Winds

Oscar the Forman and the crew were on-site when Mr. Underwood arrived but did not start working till 0715 am. The crew had their skid steer on-site and so they split into two groups. One group continued cutting the arundo and bagging castor bean seeds on the east bank and the mower left to head up to the far upper end of the site to continue mowing. Mr. Underwood went with the mower to monitor his work. The Mower at this point knew the gist and would ask Mr. Underwood before cutting things he was unsure about. At around 11:00 am the crew took lunch and Mr. Underwood asked the Forman if they were planning on continuing to mow after lunch. The Forman replied that they would and so Mr. Underwood stayed on-site to continue monitoring. Mr. Underwood monitored the mower. At around 2:00 pm satisfied that the area the mower was working in was ok and clear of biological constraints he left to inform Oscar that he was taking off for the day. Mr. Underwood left the site at around 2:20 pm.

Habitat in Reach 43a consists of willow riparian, ornamental, and grassland/ruderal. Dominant species

Species Observed:

- Western Fence Lizard
- California Ground-Squirrel
- Cottontail
- Canada Goose
- wrentit
- Mallard
- Mourning Dove
- Anna's Hummingbird
- American Coot
- Great Blue Heron
- Cassin's Kingbird
- Great Egret
- Snowy Egret
- Black-crowned Night-Heron
- White-faced Ibis
- Red-shouldered Hawk
- Red-tailed Hawk
- Belted Kingfisher
- Nuttall's Woodpecker
- Downy Woopecker
- Black Phoebe
- Say's Phoebe
- American Crow
- Common Raven
- Bushtit
- House Wren
- Bewick's Wren
- Northern Mockingbird

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

included non-native short-podded mustard (*Hirschfeldia incana*), non-native castor bean (Ricinus communis), non-native arundo (Arundo donax), mulefat (Baccharis salicifolia), willow (Salix sp.), blue elderberry (*Sambucus mexicanus*),

- Western Bluebird
- House Finch
- Lesser Goldfinch
- White-crowned Sparrow
- Song Sparrow
- California Towhee
- Great-tailed Grackle
- Orange-crowned Warbler
- Common Yellowthroat
- Green heron
- Yellow-rumped Warlber
- Rock Pigeon (Introduced)
- European Starling (Introduced)

October 18, 2024: Crew member cutting Arrundo

October 18, 2024: Skid steer mowing down castor bean and cattail marsh area.

October 18, 2024: skid steer mowing cattail marsh area.

October 18, 2024: skid steer mowing

Observer Name: Jonathan Aguayo

Psomas Job Number:	3DPW180702	**Survey Date:**	November 1, 2024
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	6:32 AM – 1:24 PM
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 43a, San Gabriel River, Pico Rivera, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Jonathan Aguayo (Psomas) Oakridge staff Oscar (Oakridge) Foreman (818) 292-3409	**Notes/Tips:**	
Survey Purpose:	Biological monitoring	**Project Area:**	Reach 43a

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
49	0	3	71	0	5

Observations:

Psomas Senior Biologist Jonathan Aguayo monitored maintenance activities at Reach 43a for the Soft-Bottom Channel Annual Maintenance Project on November 1, 2024, to ensure that biological resources were not impacted, and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Maintenance activities, conducted by DPW Contractor Oakridge, consisted of a five-person crew removing non-native vegetation using hand tools and track loader with a mower attachment, though the track loader was only used briefly. Established non-native trees, such as gum trees (*Eucalyptus* sp.) were retained to provide cover for wildlife, consistent with prior practices.

Mr. Aguayo performed a sweep survey of the area to confirm that no sensitive biological resources were present within the work area. Several groups of white-faced ibis (*Plegadis chihi*), a California Department of Fish and Wildlife Watch List species, were observed flying overhead. Since they were not nesting, no California Natural Diversity Database forms will be submitted.

The maintenance activities at Reach 43a was completed today, and crew begin work at Reach 43b, where biological monitor is not required. The crew will not be returning to Reach 43a; therefore, no biological monitor is needed next week.

Species Observed:

- mosquito fish
- western fence lizard
- mallard
- snowy egret
- great egret
- great blue heron
- white-faced ibis
- belted kingfisher
- turkey vulture
- Anna's hummingbird
- Allen's hummingbird
- American kestrel
- mourning dove
- red-tailed hawk
- American crow
- common raven
- black phoebe
- Say's phoebe
- Cassin's kingbird
- house wren
- northern mockingbird
- Nuttall's woodpecker
- western bluebird
- California scrub jay
- blue-gray gnatcatcher
- yellow-rumped warbler
- lesser goldfinch
- house finch
- California towhee
- white-crowned sparrow
- song sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

- common yellowthroat
- yellow-rumped warbler
- coyote
- desert cottontail
- California ground squirrel

November 1, 2024. View of crew member using a string trimmer to remove non-native vegetation from a small channel.

November 1, 2024. View of crew member removing vegetation using a track loader with mower attachment.

November 1, 2024. View of crew members using string trimmers to remove non-native vegetation.

November 1, 2024. Representative view of crew members removing non-native vegetation.

Observer Name: Lela Updegrave

Psomas Job Number:	3DPW180702	**Survey Date:**	10/17/2024
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0758-1010
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 43a, San Gabriel River, Pico Rivera, Los Angeles County
Participating Personnel (Name/Affiliation):	Lela Updegrave (Psomas) Dave (LACoDPW) Oscar – Foreman (Oakridge) 818-292-3409 David – Supervisor (Oakridge), 818-404-0332 Miguel – Supervisor (Oakridge)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 43a

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
61	100	0-1mph	63	100	0-1 mph

Observations:

Psomas Biologist, Lela Updegrave, monitored vegetation removal at Reach 43a on October 17th, 2024. Oakridge foreman, Oscar, was on site all week.

The crew was already on site at 0758 when Ms. Updegrave arrived. David, the supervisor and Oscar were on site. The crew was waiting on a new dumpster to arrive as the current dumpster was full of Arundo. In the meantime the crew was working on cutting down castor bean and bagging the seeds. The crew was having some issues with the skid steers tracks falling off due to the site ground conditions. David left around 0840. The crews continued to work hand cutting the castor bean and will continue to cut down Arundo once they get a new dumpster. The dumpster was expected to arrive late morning. The crew plans on continuing work to the north. Ms. Updegrave left around 1010 and left her contact info with Oscar for questions and concerns during the day.

Species Observed:

- California Ground-Squirrel
- Northern mockingbird
- Wrentit
- Black phoebe
- Great-blue heron
- Great egret
- California towhee
- Bewicks wren
- Red-shouldered hawk
- Red-tailed hawk
- Common raven
- Mourning dove
- American crow
- California scrub jay
- Yellow-rumped warbler
- House finch
- Lesser goldfinch
- White-crowned sparrow
- Song sparrow
- American kestrel

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

Shot of cleared area and crew	Skid steer clearing vegetation

Observer Name: Tyler Glaser

Psomas Job Number:	3DPW180702	**Survey Date:**	10/22/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0645 to 1430
Client:	Oakridge Landscape Inc.	**Project Location (include County):**	Reach 43a, Los Angeles County, CA
Participating Personnel (Name/Affiliation):		**Notes/Tips:**	Clearing of Arundo ongoing.
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 43a

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
64	0	0	88	0	2

Observations:

Psomas Biologist Tyler Glaser monitored construction activities at Reach 43a on October 22, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 22, 2024, construction activities were conducted by Oakridge Landscape Inc. along the eastern side of the channel. Mr. Glaser conducted a sweep of the work area prior to construction activities to ensure that no sensitive biological resources (i.e. herpetofauna or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

0728 - crew began work day by trimming patches of Arundo and castor bean with use of hand clippers and weed wackers. Gathering trimmings with skid steer and transporting to a large bit for later removal.

1006 – crew starts clearing of tall Arundo present along eastern bank of channel with weed wackers. Skid steer slightly east inside flowline - clearing vegetation with mowing attachment.

1249 – crew continues to clear Arundo along east side of channel with weed wackers. Relocated bin closer to site(s) of removal.

1400 – crew begins removal of cleared piles of Arundo with use of skid steer and placing into bin.

Species Observed:

- belted kingfisher
- black phoebe
- marsh wren
- song sparrow
- American coot
- yellow-rumped warbler
- northern mockingbird
- red-tailed hawk
- lesser goldfinch
- common raven
- California towhee
- house finch
- red-shouldered hawk
- bushtit
- Bewick's wren
- great egret
- rock wren
- mallard
- Nuttall's woodpecker
- white-crowned sparrow
- ruby-crowned kinglet
- orange-crowned warbler
- mourning dove
- Anna's hummingbird
- western bluebird
- spotted towhee
- northern flicker
- Allen's hummingbird
- double-crested cormorant
- Canada goose
- common yellowthroat
- Wilson's warbler

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

1430 – Mr. Glaser departs site after checking in with the crew. No sensitive herpetofauna or avian species were observed while monitoring. The crew will return tomorrow at 7:00 AM to continue the clearing of Arundo remaining on the east side of the channel.

- Eurasian-collared dove
- great blue heron
- rock pigeon
- turkey vulture
- Cassin's kingbird
- American kestrel
- blue-gray gnatcatcher
- Cooper's hawk
- California ground squirrel
- desert cottontail
- western fence lizard
- common side-blotched lizard

October 22, 2024. View of skid steer with mowing attachment clearing vegetation inside flow line (extending east/northeast of channel).

October 22, 2024. Crew removing large stands of Arundo adjacent to river (east side).

October 22, 2024. Section of cleared vegetation within flow line.

October 22, 2024. View of skid steer transporting cleared Arundo to bin.

Observer Name: Steve Morris

Psomas Job Number:	3DPW180702	**Survey Date:**	09/18/24 – 9/20/24
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0630-1415
Client:	L.A. County Department of Public Works	**Project Location (include County):**	Reach 43a, San Gabriel River, Los Angeles County
Participating Personnel (Name/Affiliation):	Steve Morris (Psomas) Supervisors – Miguel & David (Oakridge) Foreman Oscar – (Oakridge) Dave (LACoDPW)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 43a

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
57	10	0 mph	78	0	3-5 mph

Observations:

Psomas Biologist, Steve Morris, monitored vegetation removal at Reach 43a on September 18-20, 2024. Oakridge, foreman, Oscar, was on site all day.

9/18/24:
0640 57 F 10% CC 0 MPH Winds
1410 78 F 0% CC 3-5 MPH Winds

The crew showed up at 0645 and got started by 0700. The foreman, Oscar, was there all day along with a crew of five others. One of those crew members left and came back with the skidsteer mower at 0830 and proceeded to mow the open areas on the west side of the river along with mulching up the Castor Bean plants that already had the seeds removed. The rest of the crew used weed eaters along the bank below the bike path and others were still cutting and bagging Castor Bean seeds. DPW Dave and Oakridge David & Miguel were also on-site at times throughout the day.

9/19/24:
0645 57 F 100% CC 0 MPH Winds
1300 72 F 90% CC 3-5 MPH Winds

The crew was on location upon arrival and got started about 0700. There were only the foreman, Oscar, and three others in the crew for the day. They continued cutting and bagging Castor Bean seeds and mulching the plants up with the mower. After lunch, the crew removed the mower attachment on the skidsteer and put on “the claw” to grab the Arundo and place it in the large bin. The crew is not allowed to stage the cut Arundo overnight.

Species Observed:

- Western Fence Lizard
- Side-blotched Lizard
- California Ground Squirrel
- Desert Cottontail
- Canada Goose
- Mallard
- Mourning Dove
- Anna’s Hummingbird
- Allen’s Hummingbird
- Double-crested Cormorant
- Great Blue Heron
- Great Egret
- Snowy Egret
- Green Heron
- Turkey Vulture
- Cooper’s Hawk
- Red-tailed Hawk
- Belted Kingfisher
- Downy Woodpecker
- Nuttall’s Woodpecker
- American Kestrel
- Black Phoebe
- California Scrub-Jay
- Common Raven
- Bushtit
- House Wren
- Bewick’s Wren
- Northern Mockingbird
- House Finch
- American Goldfinch
- Song Sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

DPW Dave and Oakridge David were also on-site at times throughout the day.

9/20/24:
0630 63 F 90% CC 1-3 MPH Winds
1245 77 F 60% CC 3-5 MPH Winds

The crew arrived at 0635 and got started at 0700. Today there were six in the crew including, Jose, the operator of the skidsteer. The crew continued to cut and bag more Castor Bean seeds and cut more Arundo. The mower attachment was changed out after lunch to the claw attachment and spent the rest of the day transporting the cut Arundo to the large trash bin. The plan for next week is more of the same, to continue with the Castor Bean and Arundo. The mowing on the west side is mostly done for the open areas, it's just the mulching up the Castor Bean plants after the removal of the seeds.
DPW Dave and Oakridge David were also on-site early in the day.

Habitat in Reach 43a consists of willow riparian, ornamental, and grassland/ruderal. Dominant species included non-native short-podded mustard (*Hirschfeldia incana*), non-native castor bean (Ricinus communis), non-native arundo (Arundo donax), mulefat (Baccharis salicifolia), willow (Salix sp.), blue elderberry (*Sambucus mexicanus*),

- California Towhee
- Common Yellowthroat
- Wilson's Warbler
- Blue Grosbeak
- Rock Pigeon (Introduced)
- Red-crowned Parrot (Introduced)
- European Starling (Introduced)

September 19, 2024: Mowed area on the west side of Reach 43a.

September 18, 2024: Mowing down Castor Bean after seed removal at the upper west end of Reach 43a

September 19, 2024: Removing Arundo on upper west side of Reach 43a

September 18, 2024: Praying Mantis having an early lunch on top of Castor Bean seed bag.

Observer Name: Steve Morris

Psomas Job Number:	3DPW180702	**Survey Date:**	Week Ending 09/27/24
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0632-1350
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 43a, San Gabriel River, Pico Rivera, Los Angeles County
Participating Personnel (Name/Affiliation):	Steve Morris (Psomas) Dave (LACoDPW) Oscar – Foreman (Oakridge) David – Supervisor (Oakridge), Miguel – Supervisor (Oakridge)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 43a

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
63	100	1-3 mph	76	0	5-7 mph

Observations:

Psomas Biologist, Steve Morris, monitored vegetation removal at Reach 43a on September 25-27, 2024. Oakridge foreman, Oscar, was on site all week.

9/25/24:
0638 63 F 100% CC 1-3 MPH Winds
1300 76 F 0% CC 5-7 MPH Winds

The crew showed up at 0645 and got started by 0710. The foreman, Oscar, was there all day along with a crew of five others. One of those crew members left and came back with the skidsteer mower at 0730 and proceeded to mow some of the open areas still left on the west side of the river along with mulching up the Castor Bean plants that already had the seeds removed. The rest of the crew were either cutting down Arundo to be brought to bin later or still cutting and bagging Castor Bean seeds. DPW Dave was also on-site at times throughout the day. This appears to be the plan for the rest of the week considering the large amounts of Castor Bean and Arundo still left to remove.

9/26/24:
0632 57 F 20% CC 1-3 MPH Winds
1230 76 F 0% CC 5-7 MPH Winds

The crew was on location at about 0635 and got started about 0715. The foreman, Oscar, and five others were the crew for the day. Jose was the operator of the skidsteer again as they continued cutting and bagging Castor Bean seeds and mulching the plants up with the mower. They

Species Observed:

- Western Fence Lizard
- Desert Cottontail
- California Ground-Squirrel
- Canada Goose
- Mallard
- Mourning Dove
- Anna's Hummingbird
- Allen's Hummingbird
- American Coot
- Double-crested Cormorant
- Great Blue Heron
- Great Egret
- Snowy Egret
- Green Heron
- Black-crowned Night-Heron
- Turkey Vulture
- Cooper's Hawk
- Belted Kingfisher
- Downy Woodpecker
- Nuttall's Woodpecker
- American Kestrel
- Black Phoebe
- California Scrub-Jay
- American Crow
- Common Raven
- Bushtit
- House Wren
- Bewick's Wren
- Northern Mockingbird
- American Pipit

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

also continued cutting Arundo and taking it to the large bin after lunch. The bin has been replaced many times already and is almost a daily occurrence and likely will continue to be that way with the large amount of Arundo left on the west side. Oakridge Supervisors, David and Daniel visited the site.

9/27/24:

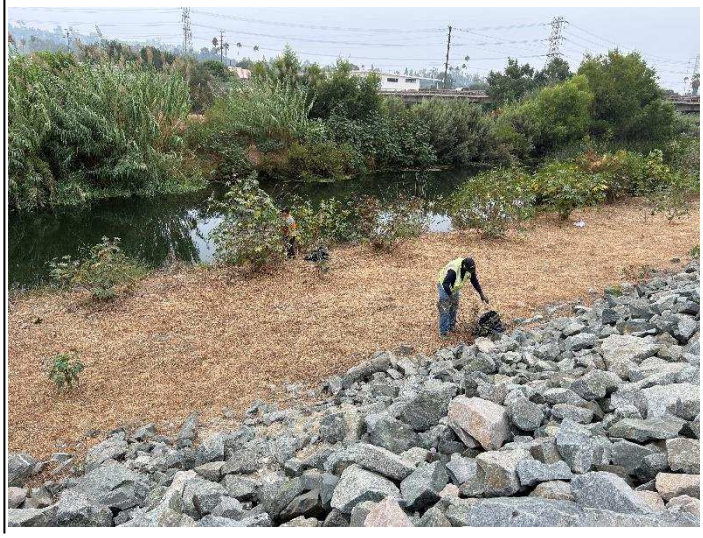
0800	60 F	100% CC	1-3 MPH Winds
1350	79 F	0% CC	3-5 MPH Winds

The crew arrived late because of a company meeting and started at 0800. As with the rest of the week, there were six in the crew including, Jose, the operator of the skidsteer and the foreman, Oscar. The crew continued to cut and bag more Castor Bean seeds and cut more Arundo. The claw attachment was changed out after lunch to the mower attachment as they proceeded to mulch up the cut Castor Bean plants. The large trash bin was replaced once again as it was filled with Arundo since yesterday. Oakridge David were also on-site during the day.

The plan for next week is more of the same, to continue with the Castor Bean and Arundo removal. The mowing on the west side is mostly done for the open areas, it's just the mulching up the Castor Bean plants after the removal of the seeds with the occasional new area opened up with the Arundo removal.

Habitat in Reach 43a consists of willow riparian, ornamental, and grassland/ruderal. Dominant species included non-native short-podded mustard (*Hirschfeldia incana*), non-native castor bean (Ricinus communis), non-native arundo (Arundo donax), mulefat (Baccharis salicifolia), willow (Salix sp.), blue elderberry (*Sambucus mexicanus*),

- House Finch
- Dark-eyed Junco
- White-crowned Sparrow
- Song Sparrow
- California Towhee
- Orange-crowned Warbler
- Common Yellowthroat
- Rock Pigeon (Introduced)
- European Starling (Introduced)
- Scaly-breasted Munia (Introduced)

September 25, 2024: Cutting Arundo and stacking for skidsteer to take to large trash bin	September 25, 2024: Crew members removing Castor Bean seeds
	

September 26, 2024: Castor Bean clearing near bridge on upper west side

September 26, 2024: Carrying Arundo to the large trash bin

September 27, 2024: Representative view of the large Arundo being removed.

September 27, 2024: Changing the large trash bin being full of Arundo.

Observer Name: Steve Morris

Psomas Job Number:	3DPW180702	**Survey Date:**	Week Ending 10/4/24
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0630-1330
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 43a, San Gabriel River, Pico Rivera, Los Angeles County
Participating Personnel (Name/Affiliation):	Steve Morris (Psomas) Dave (LACoDPW) Oscar – Foreman (Oakridge) David – Supervisor (Oakridge), Miguel – Supervisor (Oakridge)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 43a

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
58	100	1-3 mph	86	0	5-7 mph

Observations:

Psomas Biologist, Steve Morris, monitored vegetation removal at Reach 43a on September 30th through October 4th, 2024. Oakridge foreman, Oscar, was on site all week.

9/30/24:
0645 58 F 100% CC 1-3 MPH Winds
1300 83 F 0% CC 5-7 MPH Winds

The crew showed up at 0645 and got started by 0715. The foreman, Oscar, was there all day along with a crew of seven others. They gained two crew members since last week. One of those crew members left and came back with the skidsteer mower at 0730 and proceeded to mulch up the Castor Bean plants that already had the seeds removed. The rest of the crew were either cutting down Arundo to be brought to bin later or still cutting and bagging Castor Bean seeds. Oakridge supervisor, David, and DPW Dave were also on-site during the day. This appears to be the plan for the rest of the week considering the large amounts of Castor Bean and Arundo still left to remove.

10/1/24:
0930 72 F 0% CC 1-3 MPH Winds
1300 86 F 0% CC 5-7 MPH Winds

I arrived late after flagging some of Reach 40b with Jack Underwood. The foreman, Oscar, and seven others were the crew for the day. Jose was the operator of the skidsteer again as they continued cutting and bagging Castor Bean seeds and mulching the plants up with the

Species Observed:

- Western Fence Lizard
- California Ground-Squirrel
- Desert Cottontail
- Canada Goose
- Mallard
- Pied-billed Grebe
- Mourning Dove
- Anna's Hummingbird
- Allen's Hummingbird
- American Coot
- Great Blue Heron
- Green Heron
- Black-crowned Night-Heron
- White-faced Ibis
- Turkey Vulture
- Cooper's Hawk
- Red-tailed Hawk
- Belted Kingfisher
- Nuttall's Woodpecker
- Downy Woodpecker
- Black Phoebe
- American Crow
- Common Raven
- Bushtit
- House Wren
- Bewick's Wren
- Northern Mockingbird
- American Robin
- House Finch
- Dark-eyed Junco

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

mower. He also started mowing on the east side near the bridge in the lower part of the reach. They also continued cutting Arundo and taking it to the large bin after lunch. The bin has been replaced many times already and is almost a daily occurrence and likely will continue to be that way with the large amount of Arundo left on the west side.

10/2/24:
0640 60 F 20% CC 0 MPH Winds
1315 84 F 0% CC 5-7 MPH Winds

The crew arrived by 0645 and started at 0700. Today there were six in the crew including, Jose, the operator of the skidsteer and the other foreman, Oscar. The crew continued to cut and bag more Castor Bean seeds and cut more Arundo. Oakridge supervisor, David, also stopped by the site early in the day. The mower continued early on the east side near the bridge. One of the hand crew was also over there removing Castor Bean seeds and bagging them up so they could mow that area. After lunch, the mower changed the attachment to the claw and starting picking up the cut
Arundo to place in the bin.

10/3/24:
0630 63 F 100% CC 3-5 MPH Winds
1250 83 F 0% CC 5-7 MPH Winds

The crew arrived by 0650 and started at 0710. Today there were six in the crew including, Jose, the operator of the skidsteer and the other foreman, Oscar. The crew continued to cut and bag more Castor Bean seeds. The claw attachment got stolen sometime during the night (I'm not sure how since it's so heavy), so the crew did not cut any more Arundo since they could not pick it up with the skidsteer. The mower attachment was on the machine and he continued early on the east side just up from the bridge. Two of the hand crew were also over there removing Castor Bean seeds and bagging them up so they could mow that area. This was the plan after lunch as well.

10/4/24:
0640 62 F 25% CC 1-3 MPH Winds
1210 84 F 0% CC 5-7 MPH Winds

The crew was already on site at 0640 when I arrived. They started working at 0700 and three in the hand crew continued on the west side gathering Castor Bean seeds and cutting down the plants to be mulched up later. They are still waiting on the claw, or bucket, attachment so no Arundo shall be cut until that piece of equipment arrives. The mower continued on the east side around the habitat and open areas along with two in the hand crew collecting Castor Bean seeds so those plants could be mowed.

- White-crowned Sparrow
- Song Sparrow
- California Towhee
- Brown-headed Cowbird
- Orange-crowned Warbler
- Common Yellowthroat
- Wilson's Warbler
- Rock Pigeon (Introduced)
- Red-crowned Parrot (Introduced)
- European Starling (Introduced)
- Scaly-breasted Munia (Introduced)

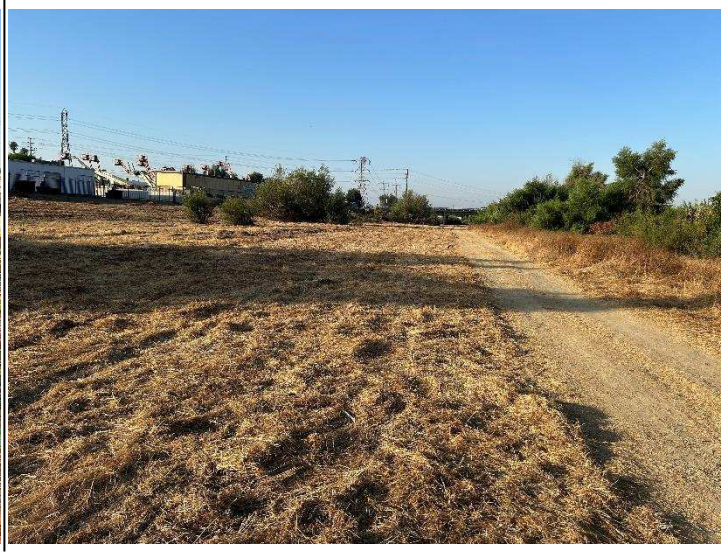
The plan for next week depends on the claw attachment being delivered. Either way, the crew will no doubt keep removing Castor Bean seeds and bagging them up while mowing them down afterwards. I'm also certain they will continue mowing the east side where they started mid-week this week.

Habitat in Reach 43a consists of willow riparian, ornamental, and grassland/ruderal. Dominant species included non-native short-podded mustard (*Hirschfeldia incana*), non-native castor bean (Ricinus communis), non-native arundo (Arundo donax), mulefat (Baccharis salicifolia), willow (Salix sp.), blue elderberry (*Sambucus mexicanus*),

September 30, 2024: Cutting Arundo and stacking for skidsteer to take to large trash bin	October 1, 2024: Cutting the seemingly endless Arundo

October 2, 2024: Castor Bean clearing near bridge on upper east side

October 2, 2024: Mowed area near bridge on east side.



October 3, 2024: Mowing Castor Bean plants after seed removal on east side.

October 4, 2024: Mowed area in center part of east side.

Observer Name: Jack Underwood

Psomas Job Number:	3DPW180702	**Survey Date:**	11/05/2024 to 11/08/2024
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	See observations Section for datum.
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 112, Ballona Creek
Participating Personnel (Name/Affiliation):	Jack Underwood (Psomas) Dave (LACDPW) David – Supervisor (Oakridge), 818-404-0332 Miguel – Supervisor (Oakridge)	**Notes/Tips:**	
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 112

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*

Observations:

Psomas Biologist, Jack Underwood, monitored vegetation removal at Reach 112 from November 5th through the 8th. He was on-site full time when the crew was working.

11/05/24:
0630 52F 0% CC 0-1 MPH Winds
1530 74 F 0% CC 3-5 MPH Winds

Mr. Underwood arrived at reach 112 at 6:30 am and began his survey of the upper section where the boom was positioned. Mr. Underwood worked downward towards the 90 freeway. While plenty of avian species were observed, Mr. Underwood didn't observe any special status species, and no nesting was observed.

At around 8:25 am, the Oakridge crew arrived on-site and proceeded to begin removing the vegetation from the toe and slope of the channel with hand tools.

The crew also had a skid steer that would stay above the OHM and collect the cut debris and take it to the debris bin stationed on the east bank closer to the 90 freeway.

Mr. Underwood informed the crew that they couldn't work within the water but could clip the vegetation down to the waters surface /wait for the tide to recede and be able to cut the vegetation closer to the roots. Throughout the time that the crew was primarily working, the Tide was relatively high.

Around 1:20 pm, The skid steer hit a patch of soft mud and sank a bit into it. The crew stopped work and attempted to get the skid steer unstuck from the mud. Mr. Underwood checked the area, and the skid steer was not impacting the wetted part of the channel. For the remainder of the day the crew tried to remove the skid steer but

Species Observed:

- Black necked stilt,
- mallard,
- house finch,
- black Phoebe,
- brown pelican,
- American coot,
- American crow,
- western grebe,
- lesser goldfinch,
- yellow rumped warbler,
- white-crowned sparrow,
- willet,
- blue winged teal,
- double breasted cormorant,
- western gull,
- American wigeon,
- common raven,
- Annas hummingbird.
- Great egret
- Snowy egret
- Belted kingfisher
-

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

were unable to. They explained to Mr. Underwood that they would have access to a machine in the morning to better allow them to work on unsticking the skid steer from the mud. The crew ended up leaving at around 3:30 pm and the skid steer was left stuck in the mud overnight.

Mr. Underwood left the site at 3:30 pm.

11/06/24:
0630 50F 0% CC 0-1 MPH Winds
1530 72 F 0% CC 4-5 MPH Winds

Mr. Underwood arrived at reach 112 at 6:30 am and began his survey of the upper section of the channel where the boom was positioned. Mr. Underwood worked downward towards the 90 freeway. While plenty of avian species were observed, Mr. Underwood didn't observe any special status species, and no nesting was observed.

At around 8:00 am, the Oakridge crew arrived on-site and proceeded to begin their work to remove the skid steer from the mud. They accomplished this task by 9:00 am and then proceeded to continue clearing the vegetation and hauling it away using the same methodology as the day previous. Mr. Underwood checked the area the skid steer was stuck in to see if the heavy equipment made contact with the water. It didn't appear to have touched the water and no oil, gas or other fluid from the machine appeared to be present where it was stuck. Mr. Underwood came to the conclusion that no serious impact was done to the river channel.

The crew continued working through the day taking lunch at around 11 am and then continuing on with their day. The crew again wrapped up their work at around 3:30 and stored the skid steer this time up out of the bank and above the top of bank of the channel on the asphalt section of the road.

Mr. Underwood left the site at around 3:30 pm as well.

11/07/24:
0630 48F 0% CC 0-1 MPH Winds
1710 63 F 0% CC 2-3 MPH Winds

Mr. Underwood arrived at reach 112 at 6:30 am and began his survey of the upper section of the channel where the boom was positioned. Mr. Underwood worked downward towards the 90 freeway. While plenty of avian species were observed, Mr. Underwood didn't observe any special status species, and no nesting was observed.

At around 8:35 am, the Oakridge crew arrived on-site and proceeded to begin their work for the day. Miguel had been telling Mr. Underwood for the past couple days that the crew would arrive and start by 7 am each day, but due to weird circumstances the past couple days and today they had an issue with their vehicle, they had been arriving and starting later.

The crew employed the same methodology as in previous days chopping and removing vegetation and then hauling it out with the

skid steer. Mr. Underwood noticed that the crew was leaving a thin section of bullrush running down where the water met the bank. Mr. Underwood asked the crew about this as a LADPW supervisor had inquired about it also while they were onsite. The crew answered that Miguel had told them to remove that section when the tide was down so that they could remove the bullrush and other vegetation as close to the roots as possible. The crew let Mr. Underwood know that they would be staying longer today to accomplish that as the tide wasn't scheduled to recede till about 3:00 pm.

The crew continued their work and then once the tide had receded enough the skid steer operator put the skid steer up for the day and proceeded to help the ground crew cut the remainder of the vegetation along bank of the channel. The crew worked up until the had finished removing the vegetation from within the boom area and left the site at around 5:15 pm. Prior to the crew leaving they let Mr. Underwood know that in the morning they would focusing on piling up the cut debris along the slope of the channel and the skid steer would take it to the debris basin. MR. Underwood let them know that he would still be onsite as they would still be working in the channel.

Mr. Underwood left the site when the crew left at 5:15 pm.

11/06/24:

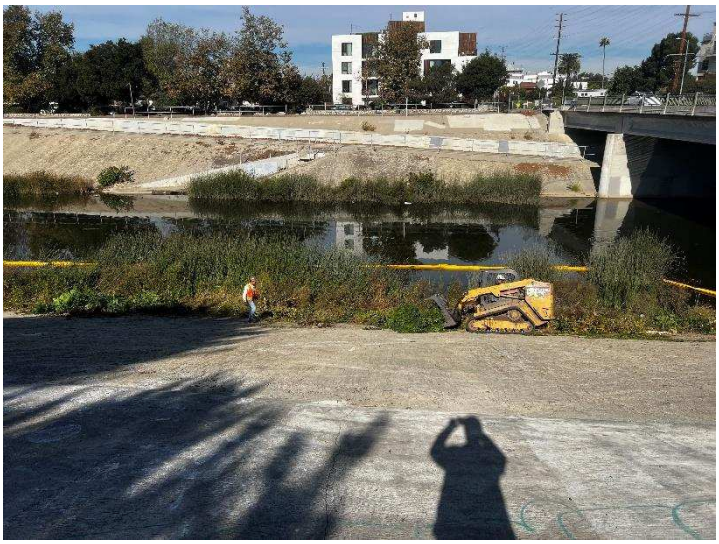
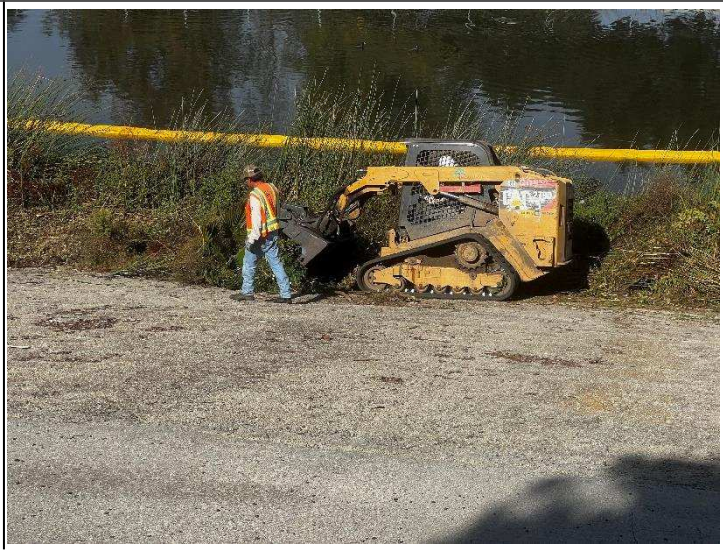
0630	50F	0% CC	0-1 MPH Winds
1530	72 F	0% CC	4-5 MPH Winds

Mr. Underwood arrived at reach 112 at 6:30 am and began his survey of the upper section of the channel where the boom was positioned. Mr. Underwood started on the East bank and worked downward towards the 90 freeway. While plenty of avian species were observed, Mr. Underwood didn't observe any special status species, and no nesting was observed.

At around 7:10 am, the Oakridge crew arrived on-site and proceeded to begin their work. This arrival time should be the normal arrival time from here on out.

Throughout the day the ground crew raked the cut debris into piles for the skid steer to remove. This was the process for pretty much the entire day. At one point prior to lunch, a member of the crew was moving one of their work vehicles and apparently had an issue because they stopped working for about 30 minutes prior to lunch to figure out what was wrong. They seemed to get it fixed after lunch and then proceeded to continue cleaning up the remainder of the day. at 3:15 pm they had finished removing the cut debris and started packing up to leave.

The crew left at 3:30, and Mr. Underwood left that time as well.

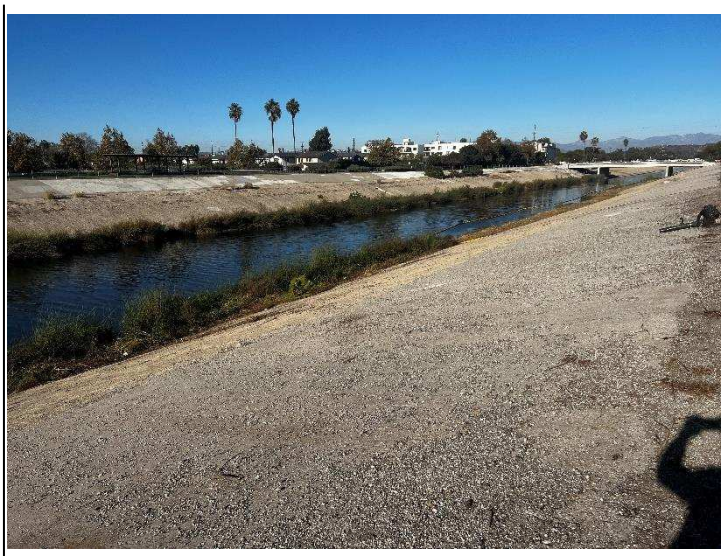
November 05 2024: View of skid steer and ground crew removing vegetation from the toe of the channel.	November 05, 2024: Photo of skid steer stuck in the mud.
	

November 06, 2024: Photo of area where the skid steer was stuck.

November 07, 2024: Ground crew finishing up cutting vegetation located within the boom.

November 07, 2024: Photo of crew removing the castor bean seed pods from the plant before its removal.

November 08, 2024: Photo of the finished area within boom cleaned up and all debris removed.



Observer Name: Sarah Thomas

Psomas Job Number:	3DPW180702	**Survey Date:**	11/11/2024
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0705 - 1500
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 112, Upper Ballona Creek
Participating Personnel (Name/Affiliation):	David – Supervisor (Oakridge), 818-404-0332 Miguel – Supervisor (Oakridge)	**Notes/Tips:**	Working on left bank
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 112, Upper

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
56	0	1	67	0	1

Observations:

Psomas Biologist, Sarah Thomas, monitored vegetation maintenance at Reach 112 on November 11, 2024. An Oakridge crew of four hand cleared freshwater marsh vegetation along the left bank from 0700 to 1500.

Per the DPW maintenance plan, the crew used hand tools (weed whackers, rakes) to remove freshwater marsh species such as bullrush. The Oakridge foreman David was informed that no heavy equipment (e.g., skidsteer) shall be utilized for vegetation removal. The skidsteer was used to carry cut vegetation up the levee wall to the access road on top of the levee for later removal.

The DPW maintenance plan for Reach 112 specifies a boom with a silt curtain shall be used; however, the current boom does not have a silt curtain. No sediment was observed entering the water.

Species Observed:

- red-eared slider
- black necked stilt
- snowy egret
- common raven
- northern mockingbird
- house wren
- common yellowthroat
- white-crowned sparrow
- house finch
- American coot
- double-breasted cormorant
- willet
- yellow-rumped warbler

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

Photo 1: Oakridge crew hand cutting freshwater marsh vegetation along the left bank.

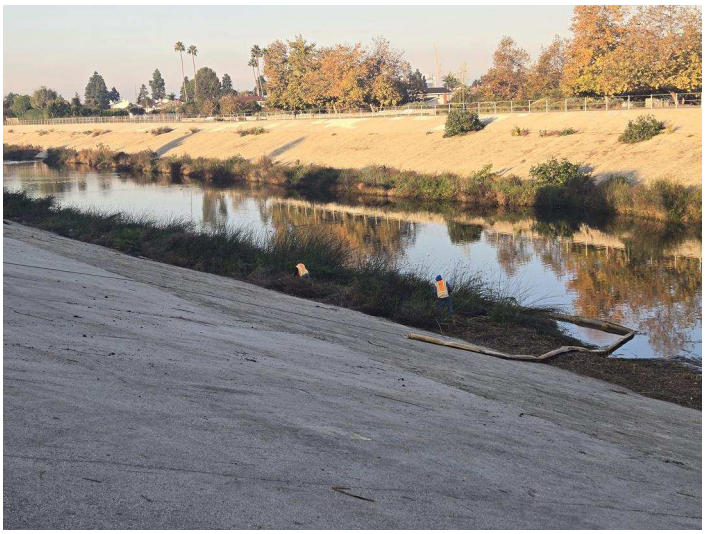


Photo 2: Additional view of Oakridge crew hand cutting freshwater marsh vegetation along the left bank.

Observer Name: Trevor Bristle

Psomas Job Number:	3DPW180702	**Survey Date:**	11/20/2024
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	0630 to 1715
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 112, Upper Ballona Creek
Participating Personnel (Name/Affiliation):	David – Supervisor (Oakridge), 818-404-0332 Miguel – Supervisor (Oakridge)	**Notes/Tips:**	Working on right bank
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 112, Upper

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
48	0	0	58	0	1

Observations:

Psomas Biologist, Trevor Bristle, monitored vegetation maintenance at Reach 112 on November 20, 2024. An Ocean Blue crew moved the boom downstream along the right bank at 0800. An Oakridge crew of five hand cleared freshwater marsh vegetation along the right bank from 1030 to 1715.

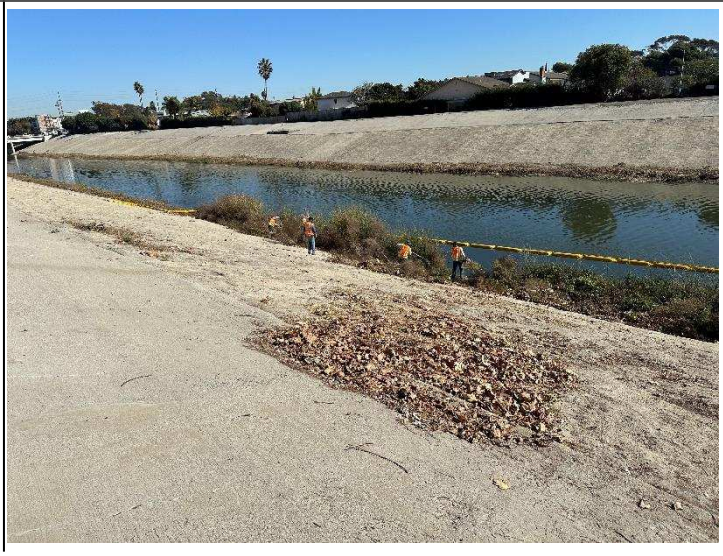
Per the DPW maintenance plan, the Oakridge crew used hand tools (weed whackers, rakes) to trim freshwater marsh species such as bullrush. All trimmed vegetation was piled above the high tide mark and will be taken off-site the following day. Minor vegetation overcast (small sticks/seeds) from trimming activities was observed entering the water and was contained by the boom.

At approximately 1600 the crew attempted to refuel their weed whackers within the freshwater marsh. This activity was halted and the crew informed to keep all refueling activities on areas of concrete only.

Species Observed:

- American coot
- American crow
- Mallard
- White-crowned sparrow
- Black phoebe
- Yellow-rumped warbler
- Black-necked stilt
- California gull
- Pied-bill grebe
- House finch
- Western gull
- Canada goose
- Rock pigeon
- Northern shoveler
- Double-crested cormorant
- Brown pelican
- American wigeon
- Red-wing blackbird
- House wren
- Belted kingfisher
- Lesser yellowlegs
- Bufflehead
- Osprey
- Great egret
- Snowy egret
- Song sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

Photo 1: Ocean Blue crew moving the boom downstream.	Photo 2: Oakridge crew cutting vegetation and piling the material above the high tide mark.
	

Observer Name: Jack Underwood

Psomas Job Number:	3DPW180702	**Survey Date:**	11/21/2024
Project Name:	Soft Bottom Channel Maintenance	**Start/End Time:**	Start 0630 End 1740
Client:	Los Angeles County Public Works	**Project Location (include County):**	Reach 112, Ballona Creek
Participating Personnel (Name/Affiliation):	Jack Underwood (Psomas) Dave (LACDPW) Max (LACDPW Supervisor) 626 614 7007 David – Supervisor (Oakridge), 818-404-0332 Miguel – Supervisor (Oakridge)	**Notes/Tips:**	Weather data is taken from the Windy app.
Survey Purpose:	Monitoring Vegetation Clearing	**Project Area:**	Reach 112

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
48	0	1-2	52	0	2-3

Observations:

Mr. Underwood monitored the maintenance work on Soft-Bottom Channel Reach 112 on November 21st, 2024. This work involves trimming back the vegetation located in the marsh areas and on the concrete slopes within the upper section of the reach (between the 90 freeway and Centinela Ave and then removing it from the site, storing it in a containment bin and then hauling the bin off once it gets full enough. There is a boom installed along the channel and this denotes the work area for the subcontractor while they are on-site. The subcontractor is not allowed to conduct maintenance activities outside the boom area.

Mr. Underwood arrived at reach 112 at 6:30 am and began his survey of the middle section of the upper portion of the channel where the boom was positioned on the west bank. Mr. Underwood started at the upstream portion and worked downstream towards the 90 freeway. While plenty of avian species were observed, Mr. Underwood didn't observe any special status species, and no nesting was observed.

The Subcontractor, Oakridge Landscaping finished trimming the vegetation in the work area the day prior but had not yet removed the vegetation and debris from the concrete slope. The crew didn't arrive until 8:30 am and then once they arrived, they had to bring the skid steer over from the east bank to the west bank. The Oakridge crew didn't start any maintenance activities until 9 am.

Species Observed:

- Black necked stilt,
- mallard,
- house finch,
- black Phoebe,
- brown pelican,
- American coot,
- American crow,
- western grebe,
- lesser goldfinch,
- yellow rumped warbler,
- white-crowned sparrow,
- willet,
- blue winged teal,
- double breasted cormorant,
- Brown pelican
- Rat sp.?
- western gull,
- American wigeon,
- common raven,
- Annas hummingbird.
- Great egret
- Snowy egret
- Belted kingfisher
- Common raven
- Ground squirrel
- House wren

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

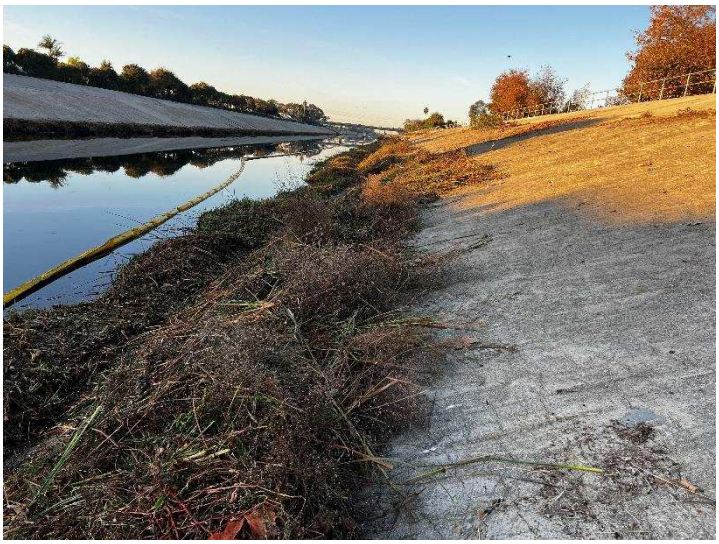
Throughout their day, the Oakridge crew would pick up debris with their skid steer and take it to a haul truck that they had positioned on the bike path. They would load the debris into the haul truck until it was full, then drive it over to the east bank and unload it. The skid steer then would load this debris into the Debris containment bin. They utilized these methods throughout their day.

At no point in the workday did they refuel their equipment on the marsh nor did the skid steer travel on the marsh or within the channel. The crew would rake debris out of the marsh and onto the concrete slope the skid steer would pick it up and transport it from there.

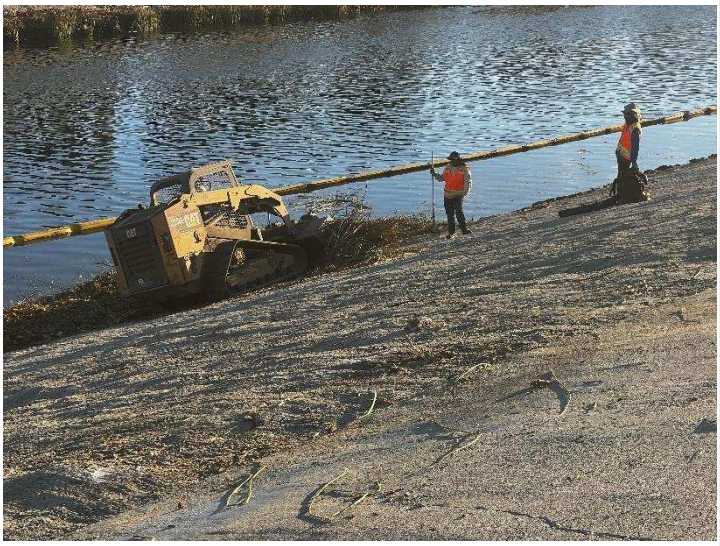
At around 4:45 pm sunset occurred, and Mr. Underwood questioned the crew as to when they were thinking they would be done. Arturo the Oakridge Crew lead said that they wanted to be done at 5:30 pm. It was already starting to get dark at this point, but Mr. Underwood attempted to continue monitoring their work. At 5:10 pm it was getting too dark to be able to see and effectively monitor their work. Mr. Underwood Called Psomas senior biologist/ Project manager Marc Blain to ask him his opinion. He couldn't get through. Mr. Underwood asked the crew how many more loads they had to do, and they responded that they had one more pile they needed to pick up. Mr. Underwood said ok but that in the future the crew needed to make sure they finished work by sundown due to the inability of Mr. Underwood to effectively monitor them as well as the safety issues that come with working on an active bike path in the dark with heavy equipment. The crew said ok and finished up their last bit of work by 5:30. They took about 10 minutes to clean off the debris located on the section of bike path they were on using their vehicles headlights to light up their area for them to see. And then they finished their day at 5:40 with taking the last bit of debris over to the containment bin and loading it in. Prior to them taking the debris over, Mr. Underwood wanted to confirm if they were going to be on-site in the morning, Friday November 23. Arturo responded that they would not be on-site tomorrow because the boom is not scheduled to be moved till the weekend.

Mr. Underwood left the site when the crew took the debris over to the bin due to it not being inside the channel but positioned outside of it.

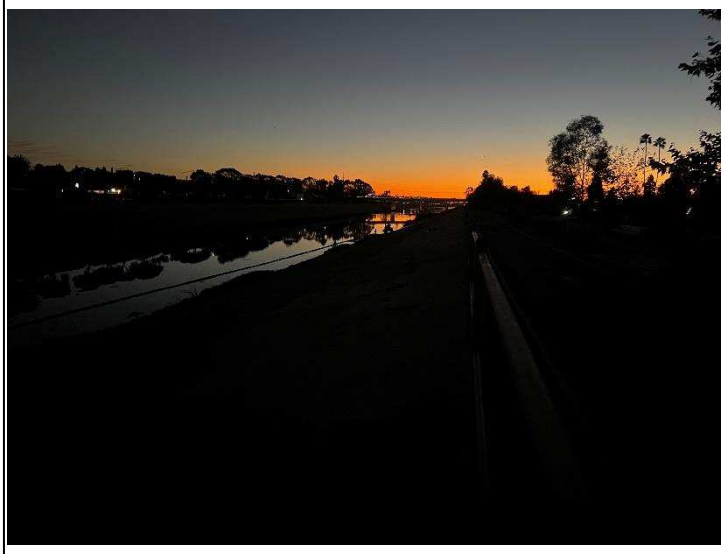
Mr. Underwood finished monitoring at around 5:45 pm.

November 21, 2024: View of vegetation debris left from the previous day.	November 21, 2024: View of Oakridge skid steer loading the vegetation into their haul truck.
	

November 21, 2024: Photo of Oakridge crew helping to rake debris into the skid steer's grasp.



November 21, 2024: Photo of crew trying to finish work in the dark.



Observer Name: Jonathan Aguayo

Psomas Job Number:	3DPW180702	**Survey Date:**	November 26, 2024
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	6:29 AM – 5:08 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 112, Ballona Creek
Participating Personnel (Name/Affiliation):	Jonathan Aguayo (Psomas) Max (LACDPW Supervisor) 626 614 7007 David (Oakridge Supervisor) 818-404-0332	**Notes/Tips:**	
Survey Purpose:	Biological monitoring	**Project Area:**	Reach 112

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
53	100	2	61	100	2

Observations:

Psomas Senior Biologist Jonathan Aguayo monitored maintenance activities at Reach 112 for the Soft-Bottom Channel Annual Maintenance Project on November 26, 2024, to ensure that biological resources were not impacted, and that vegetation was cleared according to the agreed instructions. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

Mr. Aguayo arrived at the same time as Los Angeles County Department of Public Works (LADPW) Contractor Oakridge; however, LADPW Contractor Ocean Blue was already on-site moving the boom downstream along the left bank.

Prior to start of work by Oakridge, Mr. Aguayo conducted a sweep survey of the area to confirm that no sensitive biological resources were present within the work area. Two dead birds were observed, a mallard (*Anas platyrhynchos*) and a western gull (Larus occidentalis), were observed; however, their cause of death was not related to the maintenance project. Two California Department of Fish and Wildlife Watch List species: double-crested cormorant (*Nannopterum auritus*) and osprey (*Pandion haliaetus*), were observed along Ballona Creek. None of these species were nesting; therefore, no CNDDB forms will be submitted.

Maintenance activities conducted by Oakridge consisted of a five-person crew removing vegetation using hand tools

Species Observed:

- Baja California/pacific tree frog
- brown pelican
- black-necked stilt
- pied-billed grebe
- Canada goose
- mallard
- northern shoveler
- American wigeon
- bufflehead
- American coot
- spotted sandpiper
- killdeer
- snowy egret
- great egret
- great blue heron
- double-crested cormorant
- western gull
- ring-billed bull
- California gull
- belted kingfisher
- Anna's hummingbird
- Allen's hummingbird
- rock pigeon
- osprey
- red-tailed hawk
- red-shouldered hawk
- American crow
- black phoebe
- northern mockingbird
- blue-gray gnatcatcher

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

and skid steer along the left bank. All cut vegetation was loaded into a bin using the skid steer for off-site disposal.

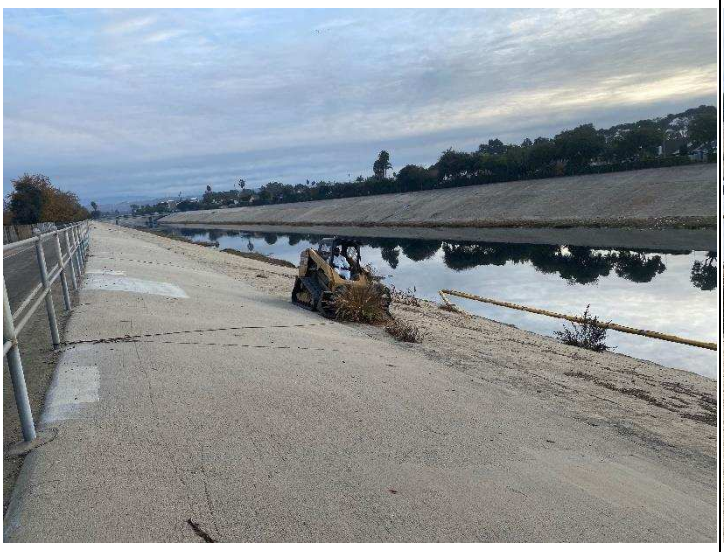
The maintenance activities at Reach 112 were completed today, and the crew will not be returning tomorrow.

- red-winged blackbird
- ruby-crowned kinglet
- lesser goldfinch
- house finch
- white-crowned sparrow
- song sparrow
- yellow-rumped warbler

View of Ocean Blue crew moving the boom downstream.

View of a dead mallard observed.

View of Oakridge crew member removing vegetation using a skid steer on the left bank.



View of Oakridge crew members removing vegetation using hand tools on the left bank.

Observer Name: Allison Rudalevige

Psomas Job Number:	3DPW180702	**Survey Date:**	10/21/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	8:00 AM – 2:00 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
58	5	0-1 mph	82	40 (hazy)	1-3 mph

Observations:

Psomas Senior Biologist Allison Rudalevige monitored construction activities at Reach 115 on October 21, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 21, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Ms. Rudalevige conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 11 green sea turtles were observed in the vicinity during the survey of the work area.

The crew consisted of 9 individuals today. The work area started at the upstream end of the reach near the concrete bed. The crew used hand tools and a chainsaw to cut vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. Vegetation was then placed in a truck and

Species Observed:

- Annas hummingbird
- Mallard
- American wigeon
- Mourning dove
- Western gull
- Osprey
- American kestrel
- Red-tailed hawk
- American crow
- Great tailed grackle
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- House finch
- Turkey vulture
- American coot
- Snowy egret
- Great egret
- Double-crested cormorant
- Pied-billed grebe

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

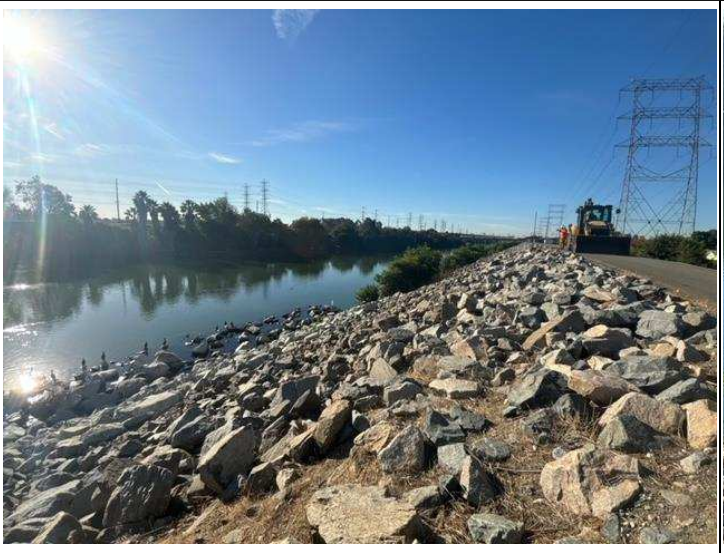
removed off site at the end of the day. Species removed included tree tobacco, tree of heaven, and castor bean. The crew was reminded to bag any castor bean seeds prior to cutting, and to avoid debris in the water. No cut vegetation entered the water during work activities. Other vegetation downstream includes pepper tree, common sunflower, and western ragweed.

The sea turtle previously observed to be entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today. The NOAA rescue team is aware of the turtle.

The crew will return tomorrow at 8:00 AM to continue working south removing vegetation.

- Black-necked stilt
- House sparrow
- Brown pelican
- Killdeer
- Western grebe
- Belted kingfisher
- Common side-blotched lizard

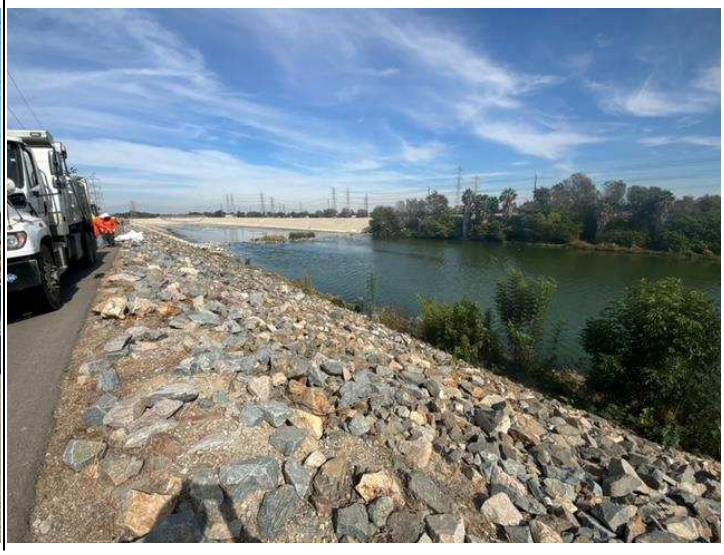
Work area at the start of the day, facing downstream.



Crew cutting vegetation.

Crew hauling vegetation up bank.

Work area at the end of the day, facing downstream.



Observer Name: Cristina Juran

Psomas Job Number:	3DPW180702	**Survey Date:**	10/25/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0730 to 1430
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
57	100	1	70	5	2

Observations:

Psomas Biologist Cristina Juran monitored construction activities at Reach 115 on October 25, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 25, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway and a contractor south of the 405 Freeway. Ms. Juran conducted a sweep of the work area prior to construction activities on the north side of the freeway to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility by the time the crew started. No sensitive herpetofauna or avian species were observed during the sweep.

The crew consisted of about 11 individuals today. One work area was approximately 300 ft downstream of the concrete lined channel and the second work area was about about 500 ft downstream of the first. The crew used hand tools in the first work area and a chainsaw in the second work area to cut vegetation. All vegetation was

Species Observed:

- Say's phoebe
- White-crowned sparrow
- Northern mockingbird
- Mallard
- House finch
- Western grebe
- Double-crested cormorant
- Common yellowthroat
- California towhee
- Unknown gulls
- Yellow-rumped warbler
- Song sparrow
- Snowy egret
- American crow
- European starling
- Brown pelican
- Mourning dove
- Great egret
- American coot
- Killdeer
- Great blue heron
- Belted kingfisher (female)
- Turkey vulture
- Black-necked stilt

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. Vegetation was then placed in a truck and removed off site at the end of the day. Species removed included tree of heaven, Brazilian peppertree, Chinese flame tree, Arundo, and Shamel ash. No cut vegetation entered the water during work activities. Approximately 8 green sea turtles were observed near the work area throughout the course of the day.

The crew will return tomorrow at 8:00 AM to continue working south removing vegetation.

- Black-crowned night-heron (juvenile & adult)
- Allen's hummingbird
- Osprey
- Pied-billed grebe
- Great-tailed grackle
- Red-tailed hawk
- Eurasian collared-dove
- Western fence lizard
- Green sea turtles

Forgot to take any pictures.	

Observer Name: Cristina Juran

Psomas Job Number:	3DPW180702	**Survey Date:**	10/26/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0815 to 1345
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
55	25	1	74	40	3

Observations:

Psomas Biologist Cristina Juran monitored construction activities at Reach 115 on October 26, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 26, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405. Ms. Juran conducted a sweep of the work area prior to construction activities on the north side of the freeway to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The crew consisted of 7 individuals today. The work area was approximately 600 ft downstream of the concrete lined channel. The crew used hand tools to cut vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. Vegetation was then placed in a truck and removed off site at the end of the day. Species removed a diversity of

Species Observed:

- Turkey vulture
- European starling
- Mourning dove
- House finch
- Brown pelican
- Mallard
- Canada goose
- Great blue heron
- American coot
- Snowy egret
- Double-crested cormorant
- Black-crowned night-heron
- Osprey (3)
- Great egret
- Great-tailed grackle
- Common yellowthroat
- Western grebe
- Unknown gull
- Black phoebe
- Green sea turtle
- Song sparrow
- Eurasian collared-dove
- American crow
- Northern mockingbird

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

invasive herbs. No cut vegetation entered the water during work activities. Approximately 8 green sea turtles were observed near the work area throughout the course of the day.

The crew will return Monday at 8:00 AM to continue working south removing vegetation.

- White-crowned sparrow
- American kestrel
- Pied-billed grebe
- Red-eared slider

Work area looking north.

Work area looking south.

Observer Name: Cristina Juran

Psomas Job Number:	3DPW180702	**Survey Date:**	11/08/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0820 to 1350
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
68	0	1	74	0	2

Observations:

Psomas Biologist Cristina Juran monitored construction activities at Reach 115 on November 8, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 8, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 and County sub-contractor, Oakridge, south of the 405. Ms. Juran conducted a sweep of the work area prior to construction activities on the north side of the freeway to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of 10 individuals working north of the 405 Freeway. The crew used hand tools to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. Oakridge consisted of 5 individuals. The crew worked south of the 405 freeway and used hand tools to

Species Observed:

- Eurasian collared-dove
- House finch
- Great-tailed grackle
- Black phoebe
- Western grebe
- Belted kingfisher
- Great egret
- Brown pelican
- Great-blue heron
- American coot
- Unknown gull
- Snowy egret
- Pied-billed grebe
- Mallard
- Black-necked stilt
- Green sea turtle
- American kestrel
- European starling
- Cassin's kingbird
- Say's phoebe
- Song sparrow
- Common yellowthroat
- Turkey vulture
- Western bluebird

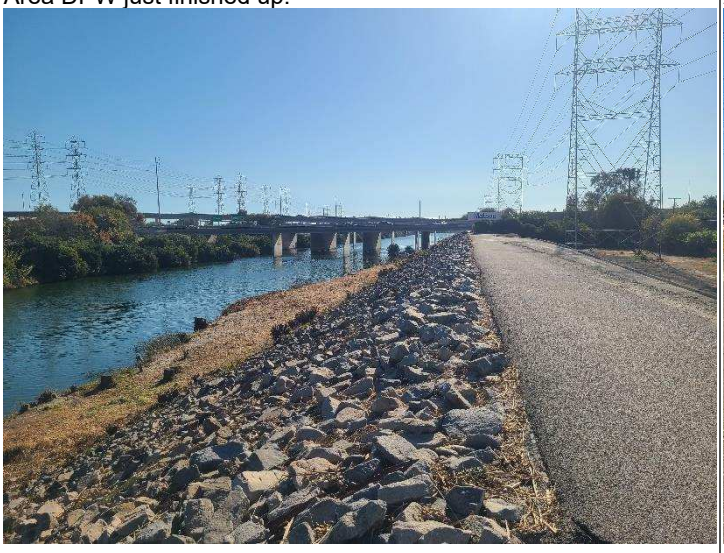
**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. Castor bean seeds were cut and bagged prior separately to avoid spreading. No cut vegetation entered the water during any work activities. Approximately 9 green sea turtles were observed during clearing activities.

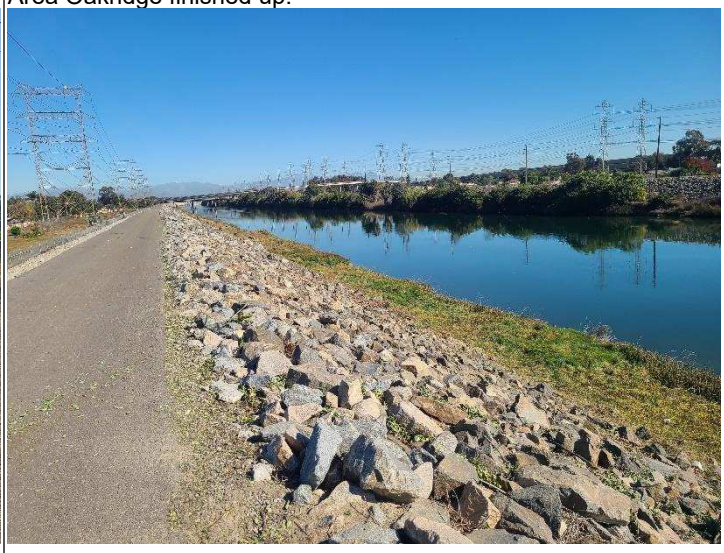
The Oakridge crew will return Monday at 8:00 AM. The DPW crew will return Tuesday at 8:00 AM to continue working south of where Oakridge has been removing vegetation.

- Red-tailed hawk
- White-crowned sparrow
- Osprey
- Rudy duck
- Yellow-rumped warbler
- Cooper's hawk (juvenile)
- American crow
- Spotted sandpiper
- Unknown chipmunk

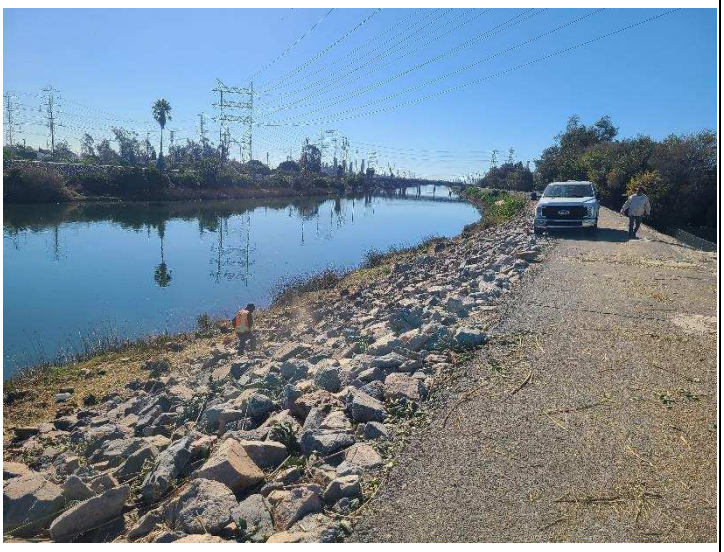
Area DPW just finished up.



Area Oakridge finished up.



Area Oakridge was working in.



Observer Name: Cristina Juran

Psomas Job Number:	3DPW180702	**Survey Date:**	11/13/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0815 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
58	0	1	75	0	1

Observations:

Psomas Biologist Cristina Juran monitored construction activities at Reach 115 on November 13, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 13, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) just south of SR 22 and County sub-contractor, Oakridge, just north of SR 22. Ms. Juran conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of 10 individuals working south of SR 22. The crew used hand tools and a chain saw to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe and transported off-site. Oakridge crew consisted of 4 individuals. The crew worked north of SR 22 with string trimmers to remove vegetation. Vegetation was cut into small pieces and left on site. No cut vegetation entered the water during any work activities. No green sea turtles were observed today.

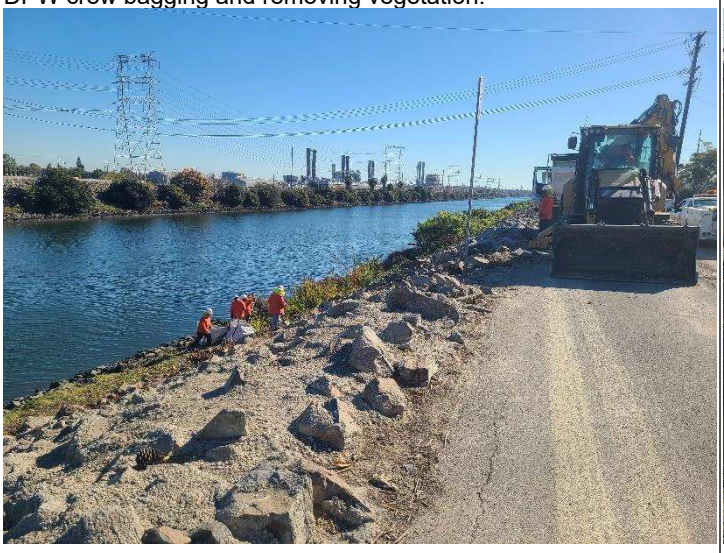
Species Observed:

- Northern mockingbird
- Yellow-rumped warbler
- Black phoebe
- Common yellowthroat
- European starling
- House finch
- Western grebe
- American coot
- Unknow gull
- Snowy egret
- Mourning dove
- Cassin's kingbird
- Double-crested cormorant
- Brown pelican
- Turkey vulture
- Song sparrow
- Great egret
- American crow

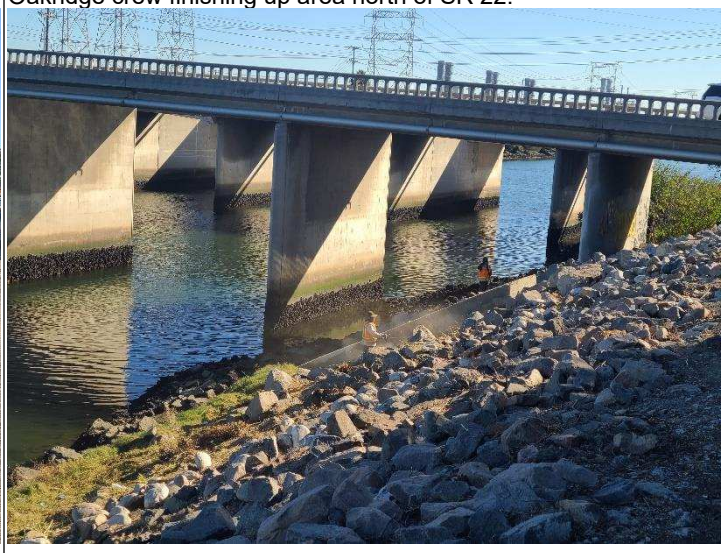
**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

The Oakridge crew has finished work on that stretch of the reach. The DPW crew will return Thursday at 8:00 AM to continue working south of SR 22.

DPW crew bagging and removing vegetation.



Oakridge crew finishing up area north of SR 22.



Observer Name: Cristina Juran

Psomas Job Number:	3DPW180702	**Survey Date:**	11/22/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0730 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
44	0	1	64	0	1

Observations:

Psomas Biologist Cristina Juran monitored construction activities at Reach 115 on November 22, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of the day's biological monitoring.

On November 22, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) south of SR 22. Ms. Juran conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of 14 individuals working south of SR 22. The crew used hand tools and a chain saw to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe and transported off-site. No cut vegetation entered the water during any work activities. No green sea turtles were observed.

The DPW crew will return at 0800 on Saturday morning to continue working south of SR 22.

Species Observed:

- Pied-billed grebe
- American coot
- Common yellowthroat
- Double-crested cormorant
- Black phoebe
- House finch
- Unknown gull
- European starling
- Anna's hummingbird
- Spotted sandpiper
- Song sparrow
- Yellow-rumped warbler
- Allen's hummingbird
- Great-blue heron
- Snowy egret
- Western grebe
- Osprey
- Least sandpiper
- Red-tailed hawk
- Killdeer
- American crow
- Brown pelican
- Mourning dove

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

Forgot to take any pictures this day.	

Observer Name: Cristina Juran

Psomas Job Number:	3DPW180702	**Survey Date:**	11/23/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0745 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
51	0	1	59	100	1

Observations:

Psomas Biologist Cristina Juran monitored construction activities at Reach 115 on November 23, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of the day's biological monitoring.

On November 23, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) south of SR 22. Ms. Juran conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of 7 individuals working south of SR 22. The crew used hand tools to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe and transported off-site. No cut vegetation entered the water during any work activities. No green sea turtles were observed. Tide looked to be extra low this day.

The DPW crew will return after the Thanksgiving holiday to continue working south of SR 22.

Species Observed:

- Double-crested cormorant
- American cormorant
- Yellow-rumped warbler
- House finch
- Anna's hummingbird
- Black phoebe
- Common yellowthroat
- Great-blue heron
- Spotted sandpiper
- Snowy egret
- Least sandpiper
- Turkey vulture
- Unknown gull
- Belted kingfisher
- Red-tailed hawk
- Pied-billed grebe
- Song sparrow
- Osprey

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

Workers clearing vegetation from reach slopes.

Observer Name: Cristina Juran

Psomas Job Number:	3DPW180702	**Survey Date:**	12/06/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0810 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115 Entry to the work area is at the gate at 698 N Studebaker Road at the Studebaker Self Storage Facility. A secondary entrance is off of E Second Street.

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
49	100	1	62	0	2

Observations:

Psomas Biologist Cristina Juran monitored construction activities at Reach 115 on December 6, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of the day's biological monitoring.

On December 6, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) south of SR 22. Ms. Juran conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were very foggy, so crews. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of about 15 individuals working south of SR 22. The crew used hand tools to remove vegetation and an excavator to load into a truck. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe and transported off-site. No cut vegetation entered the water during any work activities. No green sea turtles were observed.

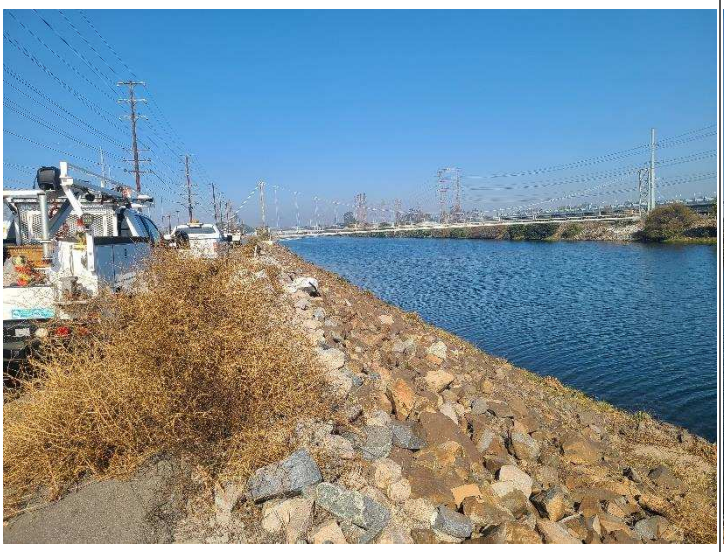
Species Observed:

- Yellow-rumped warbler
- American kestrel
- Double-crested cormorant
- Rudy duck
- American coot
- European starling
- Killdeer
- Red-crowned parrot
- Unk gull
- House finch
- Mallard
- Black phoebe
- Spotted sandpiper
- Brown pelican
- Turkey vulture

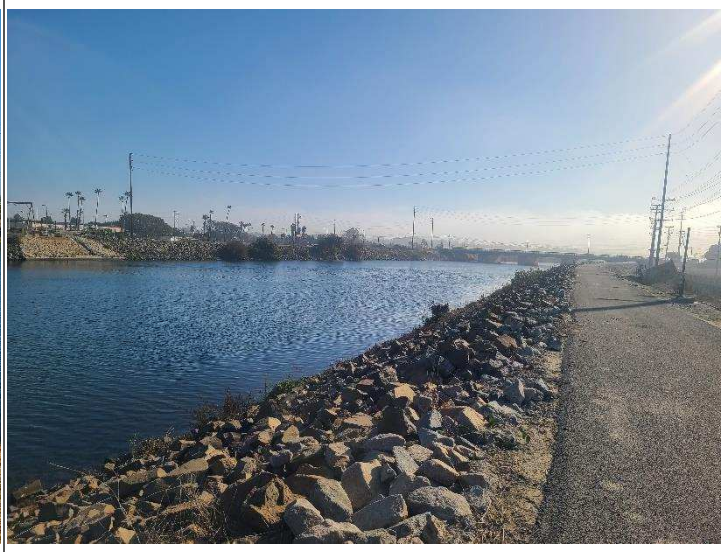
**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

The DPW crew will return on Saturday and Monday to continue working south of SR 22.

Area fully cleared of vegetation, but not yet loaded onto truck.



Area cleared of trees, but not herbs yet.



Observer Name: Cristina Juran

Psomas Job Number:	3DPW180702	**Survey Date:**	12/07/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0807 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115 Entry to the work area is at the gate at 698 N Studebaker Road at the Studebaker Self Storage Facility. A secondary entrance is off of E Second Street.

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
48	0	1	72	0	1

Observations:

Psomas Biologist Cristina Juran monitored construction activities at Reach 115 on December 7, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of the day's biological monitoring.

On December 7, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) south of SR 22. Ms. Juran conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of about 10 individuals working south of SR 22. The crew used hand tools to remove vegetation and an excavator to load it into a truck. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe and transported off-site. No cut vegetation entered the water during any work activities. One green sea turtle was observed.

Species Observed:

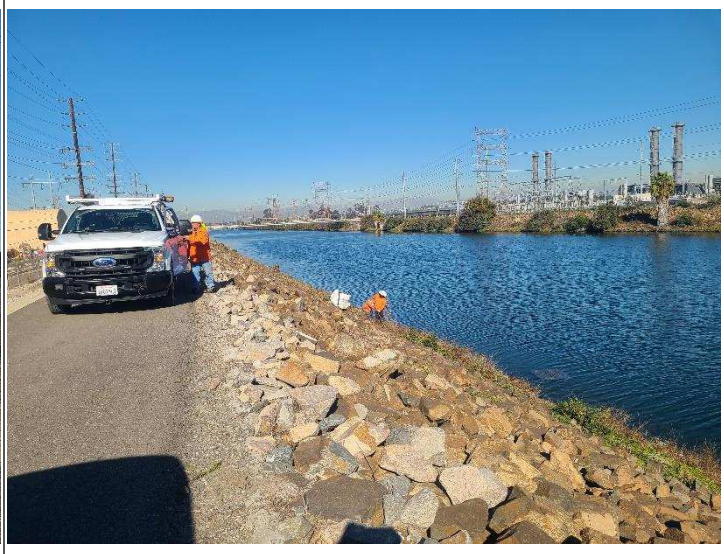
- Black phoebe
- American coot
- Double-crested cormorant
- Yellow-rumped warbler
- European starling
- Lesser goldfinch
- Northern mockingbird
- Canada goose
- Pied-billed grebe
- House finch
- American pipit
- Brown pelican
- Mallard
- Snowy egret
- Common yellowthroat
- Unknown gull
- Rock wren
- Unknown hummingbird
- Great egret
- Lesser sandpiper
- Turkey vulture
- Spotted sandpiper
- Green sea turtle
- Side-blotched lizard

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

The DPW crew will return on Monday to continue working south of SR 22.

Workers clearing shrubs and thicker stemmed vegetation.

Workers clearing herbs behind the other workers.



Observer Name: Jack Underwood

Psomas Job Number:	3DPW180702	**Survey Date:**	12/09/24 and 12/10/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	See Observations for Datum
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Windy App used for Weather Data CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115 Entry to the work area is at the gate at 698 N Studebaker Road at the Studebaker Self Storage Facility. A secondary entrance is off of E Second Street.

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*

Observations:

Psomas Biologist Jack Underwood monitored construction activities at Reach 115 on December 9 and 10, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of the biological monitoring.

December 9, 2024:
Start at 0715, 51F, 100% CC, 1-2 mph
End at 1400, 62F, 0% CC, 5-6 mph

Construction activities were conducted by Los Angeles County Department of Public works (LADPW) south of SR 22. Mr. Underwood arrived on-site at 0715 and met up with two members of the LA County Public Works Crew. They let Mr. Underwood know where their work area was going to be. Mr. Underwood then left to conduct a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew used hand tools to remove vegetation and a backhoe to reach down onto the slope, grab the cut vegetation and then load it into a truck. All vegetation was

Species Observed:

- Great egret
- Lesser goldfinch
- Northern mockingbird
- Yellow-rumped warbler
- European starling
- Brown pelican
- Anna's hummingbird
- Canada goose
- Black phoebe
- killdeer
- Pied-billed grebe
- American crow
- House finch
- American pipit
- Western-fence lizard
- Mallard
- Common raven
- Double-crested cormorant
- Snowy egret
- Common yellowthroat
- American coot
- Western gull
- Turkey vulture
- Spotted sandpiper

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe or was hand hauled up the slope of the channel by the DPW crew workers and transported off-site. No cut vegetation entered the water during any work activities. No green sea turtles were observed during the workday.

The DPW crew finished the section between SR 22 and Second Street and will start work south of 2nd street on Tuesday.

December 10th 2024:
Start at 0730, 49F, 100% CC, 1-2 mph
End at 1400, 61F, 0% CC, 7-8 mph

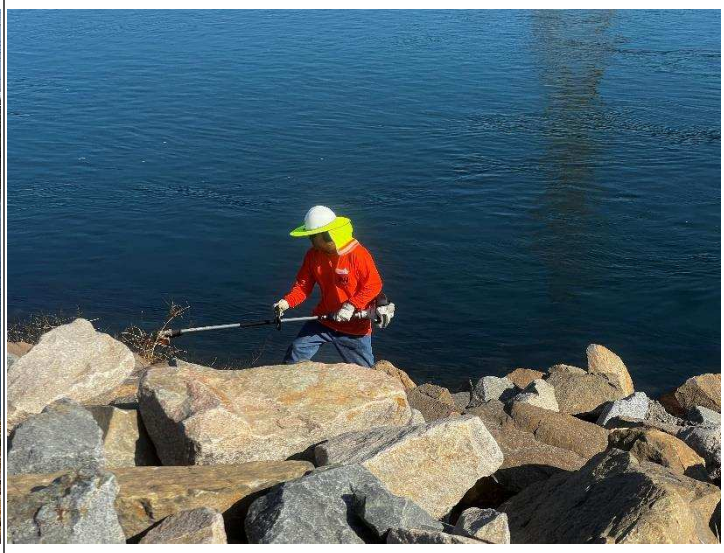
Construction activities were conducted by Los Angeles County Department of Public works (LADPW) south of2nd Street. Mr. Underwood arrived on-site at 0730 and met up with members of the LA County Public Works Crew. Mr. Underwood then conducted a sweep of the work area prior to construction activities on the south side of 2nd Street to the PCH to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. No sensitive herpetofauna or avian species were observed during the sweep.

Throughout the day the DPW crew used hand tools to remove vegetation and a backhoe to reach down onto the slope, grab the cut vegetation and then load it into a truck. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe or was hand hauled up the slope of the channel by the DPW crew workers and transported off-site. No cut vegetation entered the water during any work activities. No green sea turtles were observed during the workday.

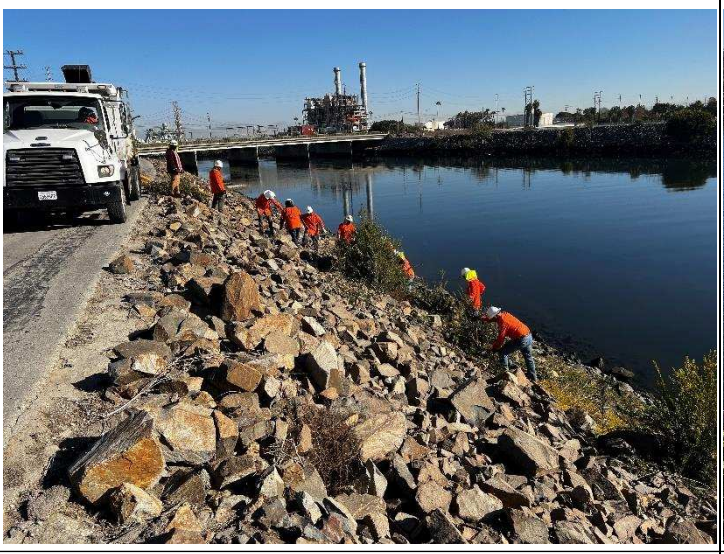
The workers will continue to work south of second street on Wednesday December 11th.

Backhoe reaching down onto the slope to grab vegetation and haul it up.

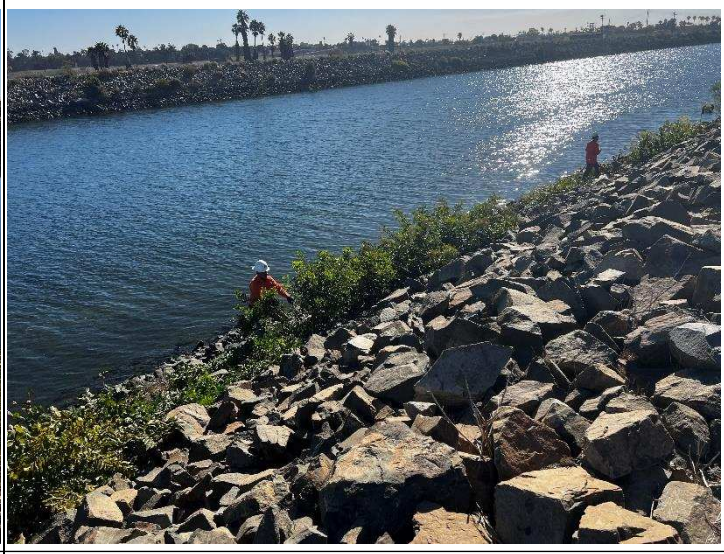
Workers using hand tools such as a weed whacker to clear brush from the slope of the channel.



LA DPW crew workers passing vegetation up the slope of the channel and then depositing it into the haul truck.



LA DPW workers using loppers to cut down the more woody herbaceous shrubs.



Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/09/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:30 AM – 2:30 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
62	100%	0-1 mph	74	50%	1-2 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 9, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 9, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW). Ms. Messett conducted a pre-construction survey of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions at this reach remain the same as previous years. While access to the water was not possible, it is assumed that eelgrass is present throughout the river in the vicinity of the work area. No sensitive herpetofauna or avian species were observed during the pre-construction survey. Approximately 11 green sea turtles were observed in the vicinity during the survey of the work area. Most turtles were larger sized with 2-3 medium sized individuals and 1 smaller individual observed.

After the completion of the pre-construction survey, a tailboard meeting was conducted to discuss the biological concerns for the reach as well as the work plan. The

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow
- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

LADPW County crews will be removing vegetation from the northern end of the soft-bottom channel to the 405 Freeway as well as from College Park south to Pacific Coast Highway (PCH). It is anticipated that a sub-contractor (Oakridge) will be conducing the vegetation removal from the 405 south to College Park. The crew was reminded to bag castor bean seeds prior to cutting, and to avoid debris in the water.

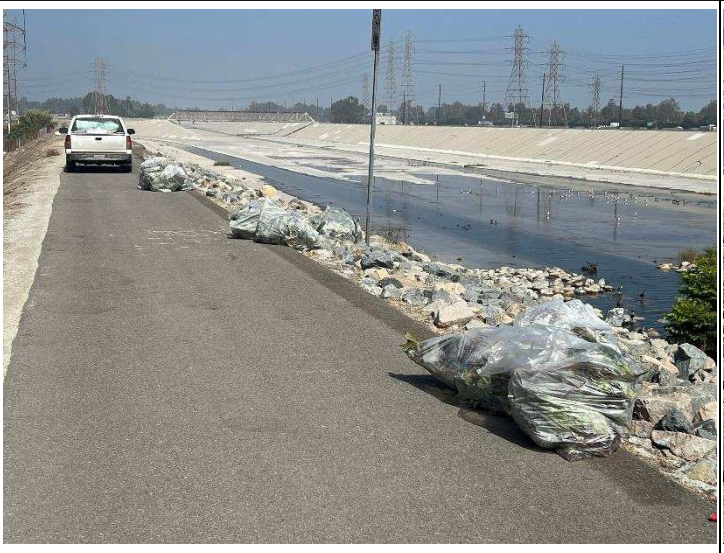
After the tailboard meeting, the crew began to remove vegetation from the slope. The crew only consisted of five individuals today and no large equipment was on site. The crew used hand tools to remove vegetation. All vegetation was bagged and removed off site at the end of the day. No cut vegetation entered the water during work activities.

A sea turtle was observed to be entangled with fishing line and a plastic bottle. Representatives from the Aquarium of the Pacific were on site conducting their weekly turtle count and contacted the stranding team. The team was in Santa Barbara on another call and unavailable to come out today, so they are scheduled to come out tomorrow and try to free the turtle. Ms. Messett monitored the turtle all day and it appeared to be ok, submerging for 20-25 minutes at a time and staying in the same general area.

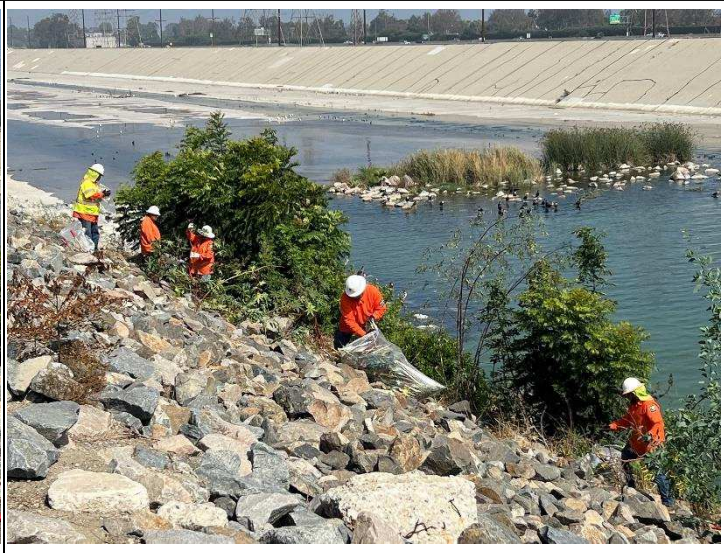
The crew will return tomorrow at 7:00 AM to continue working south removing vegetation. There is no plan to work this Saturday and there will be no work Monday due to the holiday.

- Brown pelican
- Cooper's hawk
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose

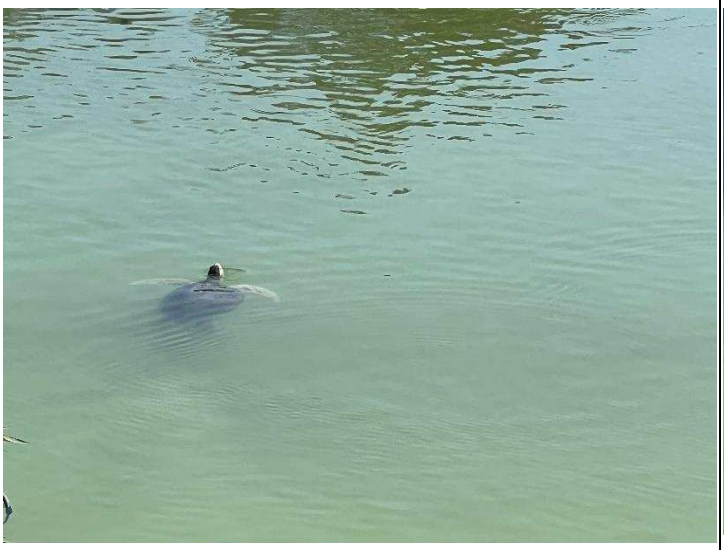
Cut vegetation, bagged and ready for removal off site.



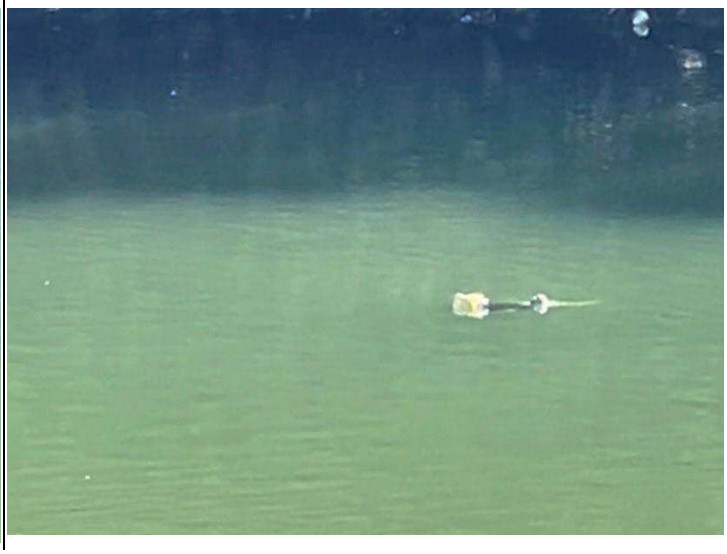
Crew members cutting and bagging castor bean.



A large sea turtle swimming in the northern portion of the channel adjacent to the work area.



Sea turtle entangled in fishing line and a plastic bottle



Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/10/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	8:00 AM – 2:30 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
62	100%	0-1 mph	74	Clear	0-1 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 10, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 10, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 8 green sea turtles were observed in the vicinity during the survey of the work area.

The crew consisted of six individuals today and no large equipment was on site. The crew used hand tools to remove vegetation. All vegetation was bagged and removed off site at the end of the day. Castor bean was the primary species removed today. The crew was reminded to bag castor bean seeds prior to cutting, and to avoid debris in the water. No cut vegetation entered the water during work activities.

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow
- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

The same sea turtle was observed to be entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel. The rescue team is aware of the turtle but was still in Santa Barbara on another call and unavailable to come out today. They may be able to come out tomorrow and try to free the turtle. Ms. Messett monitored the turtle all day and it appeared to be ok, submerging for 20-25 minutes at a time and staying in the same general area.

The crew will return tomorrow at 7:00 AM to continue working south removing vegetation. There is no plan to work this Saturday and there will be no work Monday due to the holiday.

- Brown pelican
- Cooper's hawk
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose

The crew cutting and bagging castor bean.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/11/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	8:00 AM – 2:30 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
59	100%	0-1 mph	68	60	0-1 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 11, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 11, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 6 green sea turtles were observed in the vicinity during the survey of the work area.

The crew consisted of six individuals today and no large equipment was on site. The crew used hand tools to remove vegetation. All vegetation was bagged and removed off site at the end of the day. Castor bean was the primary species removed today. The crew was

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow
- American coot
- Snowy egret

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

reminded to bag castor bean seeds prior to cutting, and to avoid debris in the water. No cut vegetation entered the water during work activities.

The same sea turtle was observed to be entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel. The rescue team is aware of the turtle but was still in Santa Barbara on another call and unavailable to come out today. Ms. Messett monitored the turtle all day and it appeared to be ok, submerging for 20-25 minutes at a time and staying in the same general area.

The crew will return Tuesday at 8:00 AM to continue working south removing vegetation. There is no plan to work this Saturday and there will be no work Monday due to the holiday.

- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Cooper's hawk
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose

Foggy conditions with little visibility in the morning.

The crew cutting and bagging castor bean.

Bagged castor bean being loaded to haul off site.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/15/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:50 AM – 2:30 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
61	100%	0-1 mph	75	30	0-1 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 15, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 15, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 5 green sea turtles were observed in the vicinity during the survey of the work area.

The crew consisted of 10 individuals today and no large equipment was on site. The crew used hand tools to remove vegetation. All vegetation was bagged and removed off site at the end of the day. Castor bean was the primary species removed today. The crew was

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow
- American coot
- Snowy egret

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

reminded to bag castor bean seeds prior to cutting, and to avoid debris in the water. No cut vegetation entered the water during work activities.

The same sea turtle was observed to be entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel. The rescue team is aware of the turtle but was still in Santa Barbara on another call and unavailable to come out today. Ms. Messett monitored the turtle all day and it appeared to be ok, submerging for 20-25 minutes at a time and staying in the same general area.

The crew will return Wednesday at 8:00 AM to continue working south removing vegetation. The crew will be working this Saturday.

- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Cooper's hawk
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose

Crew cutting and bagging castor bean, north of the 405 Freeway.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/16/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:45 AM – 2:30 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
63	100%	0-1 mph	67	100	0-1 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 16, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 16, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 12 green sea turtles were observed in the vicinity during the survey of the work area.

The crew consisted of 10 individuals today and no large equipment was on site. The crew used hand tools to remove vegetation. All vegetation was bagged and removed off site at the end of the day. Castor bean was the primary species removed today. The crew was

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow
- American coot
- Snowy egret

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

reminded to bag castor bean seeds prior to cutting, and to avoid debris in the water.

The same sea turtle was observed to be entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel. The rescue team is aware of the turtle but was still in Santa Barbara on another call and unavailable to come out today. Ms. Messett monitored the turtle all day and it appeared to be ok, submerging for 20-25 minutes at a time and staying in the same general area.

The crew will return Thursday at 8:00 AM to continue working south removing vegetation. The crew will be working this Saturday.

- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Cooper's hawk
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose

Crew cutting and bagging castor bean, north of the 405 Freeway.	Crew loading the cut and bagged castor bean onto a truck to be hauled off site.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/17/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:40 AM – 2:30 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
63	100%	2-3 mph	70	100	2-3 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 17, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 17, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 10 green sea turtles were observed in the vicinity during the survey of the work area.

The crew consisted of 10 individuals today and no large equipment was on site. The crew used hand tools to remove vegetation. All vegetation was bagged and removed off site at the end of the day. Castor bean was the primary species removed today. The crew was

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow
- American coot
- Snowy egret

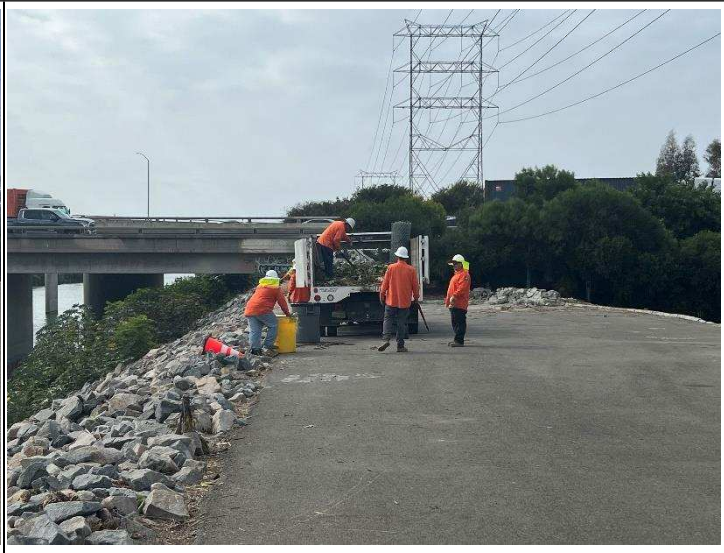
**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

reminded to bag castor bean seeds prior to cutting, and to avoid debris in the water. No cut vegetation entered the water during work activities. The crew finished removing all the castor bean south to the 405 Freeway. There is a homeless man with a large encampment just north of the 405 Freeway that the crew avoided during work activities. The forman informed him that they will be removing all of the vegetation in the area. The crew will begin removing Arundo tomorrow.

The same sea turtle was observed to be entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel. The NOAA rescue team is aware of the turtle. Ms. Messett monitored the turtle all day and it appeared to be ok, submerging for 20-30 minutes at a time and staying in the same general area.

The crew will return Friday at 8:00 AM to continue working south removing vegetation. The crew will be working this Saturday.

- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Cooper's hawk
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose

Crew cutting and bagging castor bean, north of the 405 Freeway.	Crew loading the cut and bagged castor bean onto a truck to be hauled off site.
	

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/18/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:45 AM – 2:30 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
56	Clear	1-2 mph	75	Clear	0-1 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 18, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 18, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 10 green sea turtles were observed in the vicinity during the survey of the work area.

The crew consisted of 10 individuals today and no large equipment was on site. The crew used hand tools to remove vegetation. All vegetation was bagged and removed off site at the end of the day. Arundo was the primary species removed today; however the crew did

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- Eurasian collared dove
- Great tailed grackle
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

continue to remove castor bean from under the 405 overpass. The crew was reminded to bag any castor bean seeds prior to cutting, and to avoid debris in the water. No cut vegetation entered the water during work activities. There is a homeless man with a large encampment just north of the 405 Freeway that the crew avoided during work activities. The foreman (Jacob) informed him that they will be removing all of the vegetation in the area.

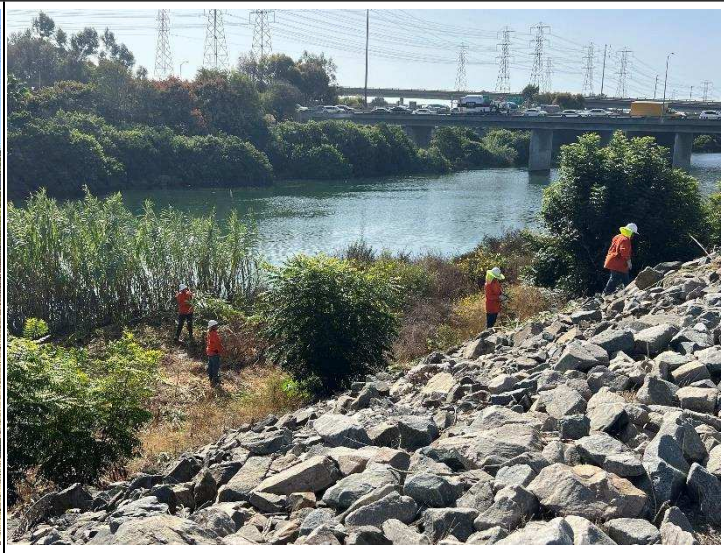
The same sea turtle was observed to be entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel. The NOAA rescue team is aware of the turtle. Ms. Messett monitored the turtle all day and it appeared to be ok, submerging for 20-30 minutes at a time and staying in the same general area.

The crew will return Saturday at 8:00 AM to continue working south removing vegetation.

- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Killdeer
- Common merganser
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose
- Western bluebird
- White-throated swift
- California ground squirrel
- Western fence lizard

Crew cutting and bagging castor bean from under the 405 Freeway overpass.

Crew cutting and hauling Arundo upslope, north of the 405 Freeway.



Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/19/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:50 AM – 2:00 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
52	30	0-1 mph	81	10	0-1 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 19, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 19, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 10 green sea turtles were observed in the vicinity during the survey of the work area.

The crew consisted of 8 individuals today and no large equipment was on site. The crew used hand tools to remove vegetation. All vegetation was bagged and removed off site at the end of the day. Arundo was the

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- Eurasian collared dove
- Great tailed grackle
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow

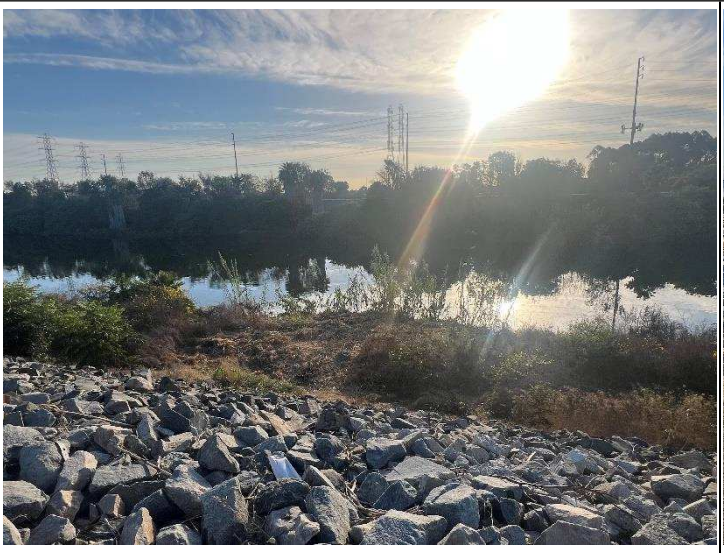
**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

primary species removed today. No cut vegetation entered the water during work activities.

The same sea turtle was observed to be entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel. The NOAA rescue team is aware of the turtle. Ms. Messett monitored the turtle all day and it appeared to be ok, submerging for 20-30 minutes at a time and staying in the same general area.

The crew will return Monday at 8:00 AM to continue working south removing vegetation. Large Equipment might be onside next week to start removing the remaining vegetation.

- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Killdeer
- Common merganser
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose
- Western bluebird
- White-throated swift
- California ground squirrel
- Western fence lizard

Remaining Arundo that the crew couldn't safely remove because it was too close to the water line.	Crew cutting and hauling Arundo upslope, north of the 405 Freeway.
	

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/28/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:45 AM – 3:00 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
62	90	2-3 mph	73	20	1-2 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 28, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 28, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 10 green sea turtles were observed in the vicinity during the survey of the work area.

Two crews were working today. The DPW crew consisted of 8 individuals working north of the 405 Freeway. The crew used hand tools to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. The second crew

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- Eurasian collared dove
- Great tailed grackle
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

was a County sub-contractor (Oakridge) and consisted of 4 individuals. The crew worked south of the 405 Freeway and used hand tools to remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. No cut vegetation entered the water during any work activities.

The sea turtle entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today. CDFW was notified of two individuals illegally fishing in the river (using casting nets and minnow traps).

Both crews will return Tuesday at 7-8:00 AM to continue working south removing vegetation.

- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Killdeer
- Common merganser
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose
- Western bluebird
- White-throated swift
- California ground squirrel
- Western fence lizard

DPW crew members cutting and hauling vegetation upslope, north of the 405 Freeway.

DPW crew using a backhoe to load cut vegetation onto a truck to haul off site.

Oakridge crew cutting vegetation south of the 405 Freeway.

Cut vegetation south of the 405 Freeway.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/29/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:45 AM – 3:00 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
59	25	1-2 mph	71	10	2-3 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 29, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 29, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway and sub-contractor Oakridge, south of the 405 Freeway. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 10 green sea turtles were observed in the vicinity during the survey of the work area.

Two crews were working today. The DPW crew consisted of 8 individuals working north of the 405 Freeway. The crew used hand tools to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- Eurasian collared dove
- Great tailed grackle
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

channel banks with the aid of a backhoe. The second crew was a County sub-contractor (Oakridge) and consisted of 4 individuals. The crew worked south of the 405 Freeway and used hand tools to remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. No cut vegetation entered the water during any work activities.

The sea turtle entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today. CDFW was notified of two individuals illegally fishing in the river (using casting nets and minnow traps).

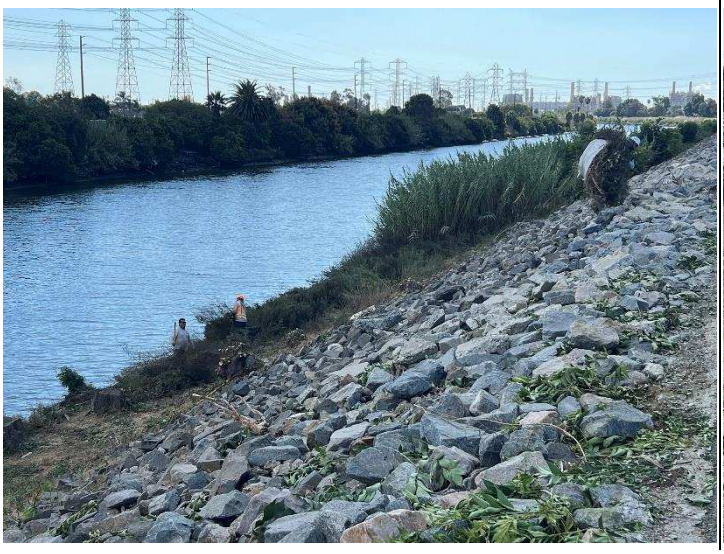
The DPW crew will not be working at Reach 115 tomorrow but the Oakridge crew will return Wednesday at 7:00 AM to continue working south of the 405 Freeway removing vegetation.

- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Killdeer
- Common merganser
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose
- Western bluebird
- White-throated swift
- California ground squirrel
- Western fence lizard

DPW crew members cutting and hauling vegetation upslope, north of the 405 Freeway.

DPW crew using a backhoe to load cut vegetation onto a truck to haul off site.

Oakridge crew cutting vegetation south of the 405 Freeway.



Storage bin full of cut vegetation, south of the 405 Freeway.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/30/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:30 AM – 3:00 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
59	25	1-2 mph	71	10	2-3 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 30, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 30, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) sub-contractor Oakridge south of the 405 Freeway. The LADPW crew did not work at reach 115 today. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 10 green sea turtles were observed in the vicinity during the survey of the work area.

The County sub-contractor (Oakridge) and consisted of 4 individuals. The crew worked south of the 405 Freeway and used hand tools to remove vegetation. Cut vegetation

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- Eurasian collared dove
- Great tailed grackle
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. No cut vegetation entered the water during any work activities.

The sea turtle entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today. CDFW was notified of two individuals illegally fishing in the river (using casting nets and minnow traps).

Both crews will return Thursday at 7-8:00 AM to continue working south removing vegetation.

- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Killdeer
- Common merganser
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose
- Western bluebird
- White-throated swift
- California ground squirrel
- Western fence lizard

Oakridge crew members cutting and hauling vegetation upslope, south of the 405 Freeway.

Cut vegetation south of the 405 Freeway being carried upslope and placed for the bobcat to load into storage bin.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	10/31/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	7:30 AM – 3:00 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
60	30	1-2 mph	69	10	2-3 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on October 31, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 31, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway and sub-contractor Oakridge south of the 405 Freeway. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 10 green sea turtles were observed in the vicinity during the survey of the work area.

Two crews were working today. The DPW crew consisted of 8 individuals working north of the 405 Freeway. The crew used hand tools to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- Eurasian collared dove
- Great tailed grackle
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

channel banks with the aid of a backhoe. The second crew was a County sub-contractor (Oakridge) and consisted of 4 individuals. The crew worked south of the 405 Freeway and used hand tools to remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. No cut vegetation entered the water during any work activities.
The County sub-contractor (Oakridge) and consisted of 4 individuals. The crew worked south of the 405 Freeway and used hand tools to remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. No cut vegetation entered the water during any work activities.

The sea turtle entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today. CDFW was notified of two individuals illegally fishing in the river (using casting nets and minnow traps).

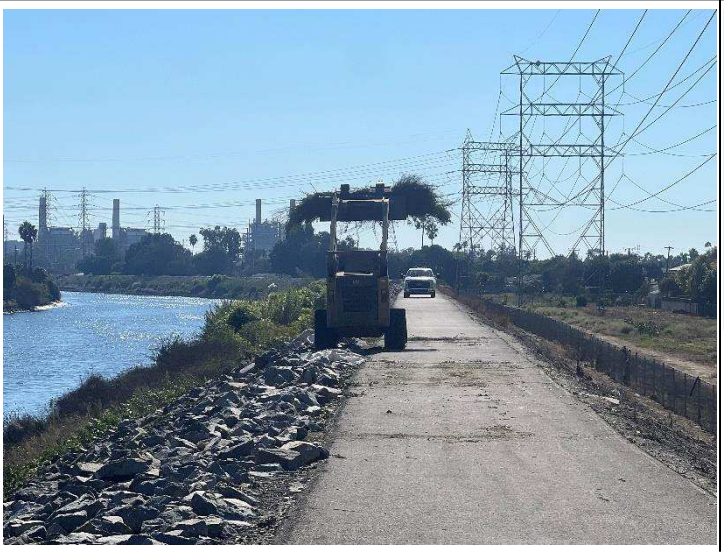
Both crews will return Friday at 7-8:00 AM to continue working south removing vegetation.

- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Killdeer
- Common merganser
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose
- Western bluebird
- White-throated swift
- California ground squirrel
- Western fence lizard

The DPW crew cutting vegetation, north of the 405 Freeway.

Oakridge crew members cutting vegetation, south of the 405 Freeway.

Cut vegetation south of the 405 Freeway being carried in the bobcat to be loaded into the onsite storage bin.



Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	11/2//24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	8:00 AM – 2:00 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
53	100	2-3 mph	68	75	2-3 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on November 2, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 2, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. The County sub-contractor (Oakridge) did not work today. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 7 green sea turtles were observed in the vicinity during the survey of the work area.

The DPW crew consisted of 6 individuals working north of the 405 Freeway. The crew used hand tools to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- Eurasian collared dove
- Great tailed grackle
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

backhoe. No cut vegetation entered the water during any work activities.

The sea turtle entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today. CDFW was notified of two individuals illegally fishing in the river (using casting nets and minnow traps).

Both crews will return Monday at 7-8:00 AM to continue working south removing vegetation.

- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Killdeer
- Common merganser
- Yellow-rumped warbler
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose
- Western bluebird
- White-throated swift
- California ground squirrel
- Western fence lizard

DPW crew members cutting and bagging vegetation, north of the 405 Freeway.

DPW crew using a backhoe to pull tied up vegetation and load it onto a truck to haul off site.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	11/4//24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	8:00 AM – 3:00 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the DPW work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). Access to the Oakridge work area is at the end of Via Del Rio Street or College Park Drive. All gates require a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
55	Clear	0-1 mph	76	25	1-2 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on November 4, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 4, 2024, construction activities were conducted by Sub-contractor Oakridge south of the 405 Freeway. Ms. Messett conducted sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 12 green sea turtles were observed in the vicinity during the survey of the work area.

The DPW County crew did not show up today. The County sub-contractor (Oakridge) and consisted of 4 individuals. The crew worked south of the 405 Freeway and used hand

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- Eurasian collared dove
- Great tailed grackle
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Red-eared slider
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

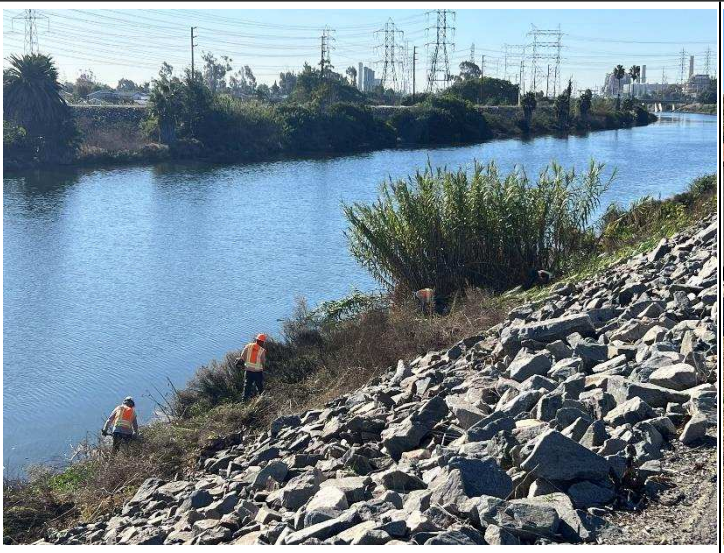
tools to remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. No cut vegetation entered the water during any work activities.

The sea turtle entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today. CDFW was notified of two individuals illegally fishing in the river (using casting nets and minnow traps).

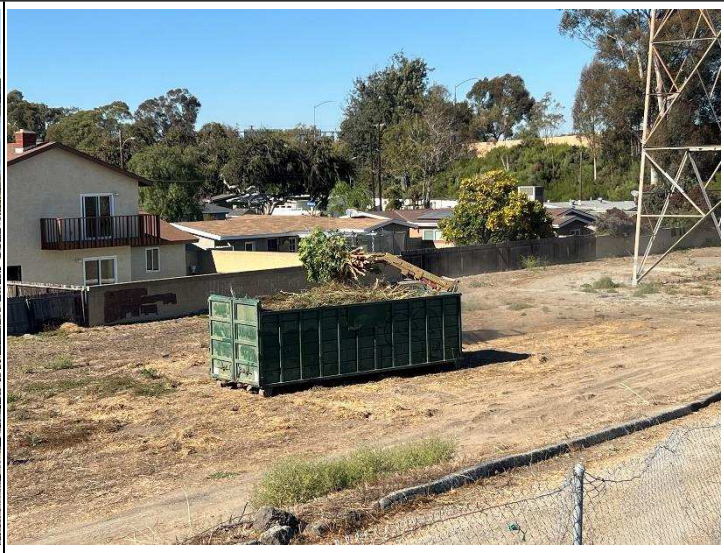
Both crews will return Tuesday at 7-8:00 AM to continue working south removing vegetation.

- Say's phoebe
- Song sparrow
- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Killdeer
- Common merganser
- Yellow-rumped warbler
- Lincoln's sparrow
- Western grebe
- Blue-gray gnatcatcher
- Orange-crowned warbler
- Belted kingfisher
- White-crowned sparrow
- Canada goose
- Western bluebird
- White-throated swift
- California ground squirrel
- Western fence lizard

Oakridge crew members cutting and bagging vegetation, south of the 405 Freeway.



Oakridge crew member using bobcat to load cut vegetation into a large storage bin onsite.



Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	11/11//24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	8:00 AM – 3:00 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the DPW work area is along N. Studebaker Road adjacent to the storage unit facility. Access to the Oakridge work area is at the end of Via Del Rio Street or College Park Drive. All gates require a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
55	Clear	0-1 mph	72	25	1-2 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on November 11, 2024, to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 11, 2024, construction activities were conducted by DPW south of College Park Drive and Sub-contractor Oakridge south of the 405 Freeway. Ms. Messett conducted sweep of the work areas prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweeps. Approximately 6 green sea turtles were observed in the vicinity during the survey of the work area.

The DPW County crew consisted of 6 individuals. The crew worked south of College Park Drive and used hand tools to remove vegetation, focusing on castor bean seeds. The seeds and pieces of castor bean were placed in

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- Eurasian collared dove
- Great tailed grackle
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

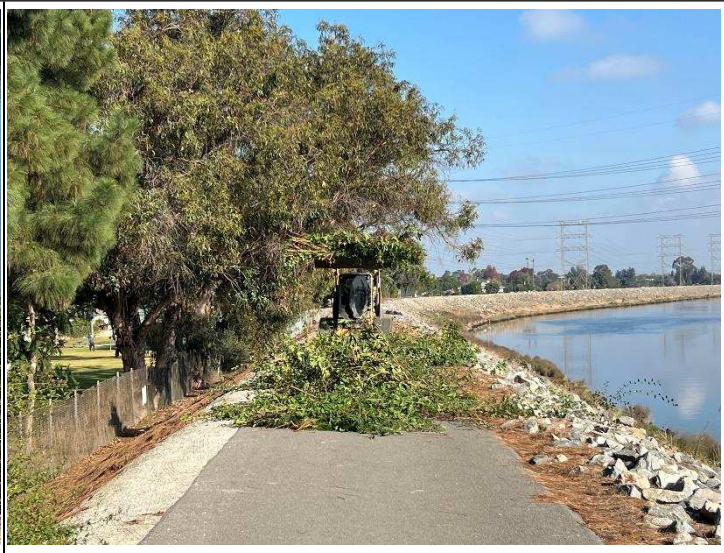
plastic bags and loaded on a truck to be taken off site. The County sub-contractor (Oakridge) and consisted of 4 individuals. This crew worked south of the 405 Freeway, just north of College Park Drive and used hand tools to remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. No cut vegetation entered the water during any work activities.

The DPW crew will return Wednesday at approximately 8:00 AM to continue working south removing vegetation. The Oakridge crew completed work today.

- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Killdeer
- Common merganser
- Yellow-rumped warbler
- Lincoln's sparrow
- Western grebe
- White-crowned sparrow
- Canada goose
- Western bluebird
- California ground squirrel
- Western fence lizard

Oakridge crew members cutting and bagging vegetation, south of the 405 Freeway.

Oakridge crew member using bobcat to load cut vegetation into a large storage bin onsite.



DPW Crew members removing castor bean seeds.

DPW crew members removing and bagging castor bean seeds.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	11/11//24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	8:00 AM – 3:00 PM
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the DPW work area is along N. Studebaker Road adjacent to the storage unit facility. Access to the Oakridge work area is at the end of Via Del Rio Street or College Park Drive. All gates require a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
55	Clear	0-1 mph	72	25	1-2 mph

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on November 11, 2024, to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 11, 2024, construction activities were conducted by DPW south of College Park Drive and Sub-contractor Oakridge south of the 405 Freeway. Ms. Messett conducted sweep of the work areas prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were foggy with poor visibility. No sensitive herpetofauna or avian species were observed during the sweeps. Approximately 6 green sea turtles were observed in the vicinity during the survey of the work area.

The DPW County crew consisted of 6 individuals. The crew worked south of College Park Drive and used hand tools to remove vegetation, focusing on castor bean seeds. The seeds and pieces of castor bean were placed in

Species Observed:

- Annas hummingbird
- Mallard
- Mourning dove
- Western gull
- Osprey
- American crow
- Eurasian collared dove
- Great tailed grackle
- California towhee
- European starling
- Great blue heron
- Black-crowned night heron
- Black phoebe
- Green sea turtle
- Northern mockingbird
- Spotted sandpiper
- Rock pigeon
- American crow
- Bushtit
- House finch
- Turkey vulture
- Say's phoebe
- Song sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

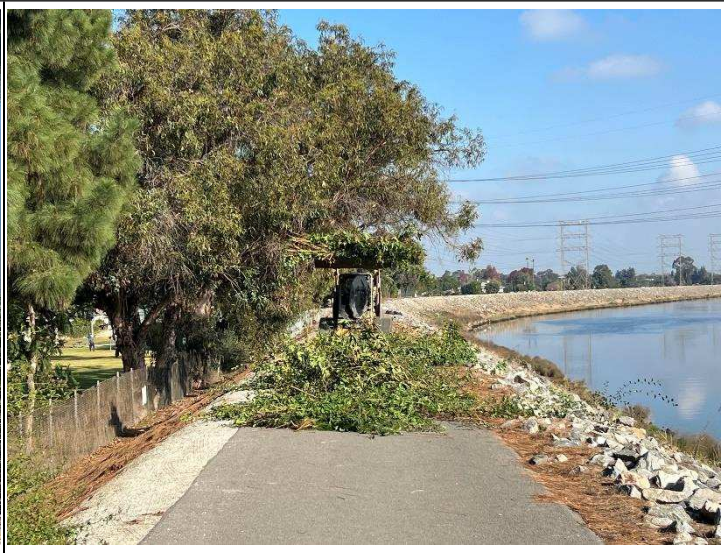
plastic bags and loaded on a truck to be taken off site. The County sub-contractor (Oakridge) and consisted of 4 individuals. This crew worked south of the 405 Freeway, just north of College Park Drive and used hand tools to remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. No cut vegetation entered the water during any work activities.

The DPW crew will return Wednesday at approximately 8:00 AM to continue working south removing vegetation. The Oakridge crew completed work today.

- American coot
- Snowy egret
- Great egret
- Black necked stilt
- House sparrow
- Brown pelican
- Killdeer
- Common merganser
- Yellow-rumped warbler
- Lincoln's sparrow
- Western grebe
- White-crowned sparrow
- Canada goose
- Western bluebird
- California ground squirrel
- Western fence lizard

Oakridge crew members cutting and bagging vegetation, south of the 405 Freeway.

Oakridge crew member using bobcat to load cut vegetation into a large storage bin onsite.



DPW Crew members removing castor bean seeds.

DPW crew members removing and bagging castor bean seeds.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	11/15/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0800 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
50	0	0	69	0	1

Observations:

Psomas Senior Biologist Lindsay Messett monitored vegetation clearing activities at Reach 115 on November 15, 2024, to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 15, 2024, activities were conducted by Los Angeles County Department of Public works (LADPW) just south of SR 22. Ms. Messett conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of 13 individuals working south of SR 22. The crew used hand tools and a chain saw to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe and transported off-site. No cut vegetation entered the water during any work activities. A total of 7 green sea turtles were observed throughout the day.

The DPW crew will return Saturday at 0800 to continue working south of SR 22.

Species Observed:

- Double-crested cormorant
- American coot
- Osprey
- Black phoebe
- House finch
- Yellow-rumped warbler
- Anna's hummingbird
- Brown pelican
- White-crowned sparrow
- European starling
- Pied-bill grebe
- Great egret
- Spotted sandpiper
- Bushtit
- Great blue heron
- Song sparrow
- Rufous hummingbird
- Side-blotched lizard
- Mourning dove
- Turkey vulture
- Green sea turtle
- California gull
- Snowy egret
- American crow
- Western gull

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of the DPW crew bagging and removing vegetation.

View of the backhoe loading cut vegetation onto haul truck to take off site.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	11/16/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0800 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
50	0	0	69	0	1

Observations:

Psomas Senior Biologist Lindsay Messett monitored vegetation clearing activities at Reach 115 on November 16, 2024, to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 16, 2024, activities were conducted by Los Angeles County Department of Public works (LADPW) just south of SR 22. Ma. Messett conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of 12 individuals working south of SR 22. The crew used hand tools and a chain saw to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe and transported off-site. No cut vegetation entered the water during any work activities. A total of 7 green sea turtles were observed throughout the day.

The DPW crew will return Tuesday at 0800 to continue working south of SR 22.

Species Observed:

- Double-crested cormorant
- American coot
- Osprey
- Black phoebe
- House finch
- Yellow-rumped warbler
- Anna's hummingbird
- Brown pelican
- White-crowned sparrow
- European starling
- Pied-bill grebe
- Great egret
- Spotted sandpiper
- Bushtit
- Great blue heron
- Song sparrow
- Rufous hummingbird
- Side-blotched lizard
- Mourning dove
- Turkey vulture
- Green sea turtle
- California gull
- Snowy egret
- American crow
- Western gull

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of the DPW crew bagging and removing vegetation.

View of the backhoe loading cut vegetation onto haul truck to take off site.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	11/20/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0800 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
56	0	0-1	72	0	0-1

Observations:

Psomas Senior Biologist Lindsay Messett monitored vegetation clearing activities at Reach 115 on November 20, 2024, to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 20, 2024, activities were conducted by Los Angeles County Department of Public works (LADPW) just south of SR 22. Ma. Messett conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of 5 individuals working south of SR 22. The crew used hand tools and a chain saw to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe and transported off-site. No cut vegetation entered the water during any work activities. A total of 4 green sea turtles were observed throughout the day.

The DPW crew will return Thursday at 0800 to continue working south of SR 22.

Species Observed:

- Double-crested cormorant
- American coot
- Osprey
- Black phoebe
- House finch
- Yellow-rumped warbler
- Anna's hummingbird
- Brown pelican
- White-crowned sparrow
- European starling
- Pied-bill grebe
- Great egret
- Spotted sandpiper
- Bushtit
- Great blue heron
- Song sparrow
- Rufous hummingbird
- Side-blotched lizard
- Mourning dove
- Turkey vulture
- Green sea turtle
- California gull
- Snowy egret
- American crow
- Western gull

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of the DPW crew bagging and removing vegetation.

View of the backhoe loading cut vegetation onto haul truck to take off site.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	11/21/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0800 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115 -Access to the DPW site is south of College Park Drive and you can get to it via 698 N. Studebaker Road at the Studebaker Storage Facility.

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
60	0	0-1	70	0	0-1

Observations:

Psomas Senior Biologist Lindsay Messett monitored vegetation clearing activities at Reach 115 on November 21, 2024, to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 21, 2024, activities were conducted by Los Angeles County Department of Public works (LADPW) just south of SR 22. Ma. Messett conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of 5 individuals working south of SR 22. The crew used hand tools and a chain saw to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks. No cut vegetation entered the water during any work activities. A total of 5 green sea turtles were observed throughout the day.

The DPW crew will return Friday at 0800 to continue working south of SR 22.

Species Observed:

- Double-crested cormorant
- American coot
- Osprey
- Black phoebe
- House finch
- Yellow-rumped warbler
- Anna's hummingbird
- Brown pelican
- White-crowned sparrow
- European starling
- Pied-bill grebe
- Great egret
- Spotted sandpiper
- Bushtit
- Great blue heron
- Song sparrow
- Rufous hummingbird
- Side-blotched lizard
- Mourning dove
- Turkey vulture
- Green sea turtle
- California gull
- Snowy egret
- American crow
- Western gull

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of the DPW crew bagging and removing vegetation.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	12/04/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0830 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115 Entry to the work area is at the gate at 698 N Studebaker Road at the Studebaker Self Storage Facility. A secondary entrance is off of E Second Street.

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
62	50	0-1	69	30	1-2

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on December 4, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of the day's biological monitoring.

On December 4, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) south of SR 22. Ms. Messett conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of 10 individuals working south of SR 22. The crew used hand tools to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe and transported off-site. No cut vegetation entered the water during any work activities. No green sea turtles were observed. The tide was high for most of the morning until after lunch.

Species Observed:

- Double-crested cormorant
- Western gull (fly over)
- Yellow-rumped warbler
- House finch
- Anna's hummingbird
- Black phoebe
- European starling
- Common yellowthroat
- Great-blue heron
- Spotted sandpiper
- House sparrow
- Snowy egret
- Least sandpiper
- Turkey vulture
- bushtit
- Western grebe
- mallard
- Red-tailed hawk
- Great-tailed grackle
- Belted kingfisher
- Canada goose (fly over)
- Red-tailed hawk
- Pied-billed grebe
- Song sparrow
- Osprey

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

The DPW crew will return on Thursday to continue working south of SR 22.

- Desert cottontail

DPW crew cutting vegetation south of SR 22, looking northeast.

DPW crew loading cut vegetation onto the haul truck with the backhoe, looking southeast.

Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	12/12/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0830 - 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Windy App used for Weather Data CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115 Entry to the work area is at the gate at 698 N Studebaker Road at the Studebaker Self Storage Facility. A secondary entrance is off of E Second Street.

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
56	80	0-1	67	100	1-2

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on December 12, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of the biological monitoring.

Construction activities were conducted by Los Angeles County Department of public works (LADPW) south of 2nd Street. Ms. Messett arrived on-site at 0830 and met up with members of the LA County Public Works Crew. Ms. Messett then conducted a sweep of the work area prior to construction activities just north PCH to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. No sensitive herpetofauna or avian species were observed during the sweep. After lunch, the crew moved back upstream, to just south of 2nd street cleaning up any remaining vegetation.

Throughout the day the DPW crew used hand tools to remove vegetation then loaded it into a flatbed truck. All vegetation was bagged or wrapped with rope and pulled up the channel banks by hand and transported off-site. No

Species Observed:

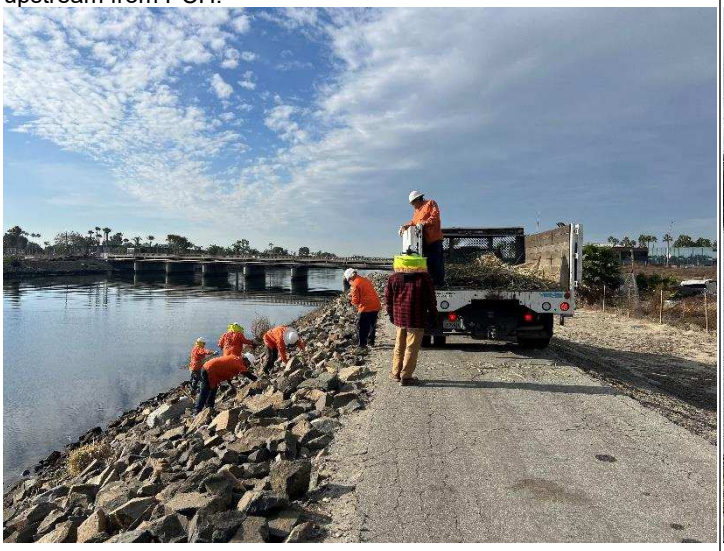
- Black phoebe
- Great-blue heron
- Great-tailed grackle
- Yellow rumped warbler
- Common yellowthroat
- Belted kingfisher
- Common raven
- Anna's hummingbird
- Blue-gray gnatcatcher
- Great egret
- House finch
- Snowy egret
- Red-tailed hawk
- American crow
- Osprey
- American kestrel
- Double-crested cormorant
- California ground squirrel
- Pied-billed grebe
- Lesser's goldfinch

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

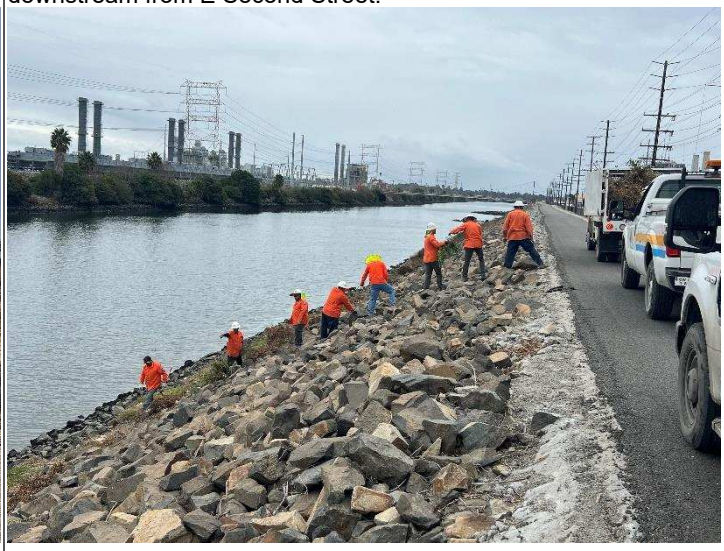
cut vegetation entered the water during any work activities. Two green sea turtles were observed during the workday.

The foreman informed Ms. Messett that there would be no work on Saturday and they will likely be finished with the reach by the end of the week. The workers will continue to work south of second street on Friday December 13th.

Crew loading vegetation up the slope and into a flatbed truck just upstream from PCH.



Crew loading vegetation up the slope and into a flatbed truck just downstream from E Second Street.



Observer Name: Lindsay Messett

Psomas Job Number:	3DPW180702	**Survey Date:**	12/13/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0830 - 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Windy App used for Weather Data CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115 Entry to the work area is at the gate at 698 N Studebaker Road at the Studebaker Self Storage Facility. A secondary entrance is off of E Second Street.

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
55	60	0-1	67	10	0-1

Observations:

Psomas Senior Biologist Lindsay Messett monitored construction activities at Reach 115 on December 13, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of the biological monitoring.

Construction activities were conducted by Los Angeles County Department of public works (LADPW) south of 2nd Street. Ms. Messett arrived on-site at 0830 and met up with members of the LA County Public Works Crew. Ms. Messett then conducted a sweep of the work area prior to construction activities to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. No sensitive herpetofauna or avian species were observed during the sweep.

Throughout the day the DPW crew used hand tools to remove vegetation then loaded it into a flatbed truck. All vegetation was bagged or wrapped with rope and pulled up the channel banks by hand and transported off-site. No cut vegetation entered the water during any work activities. Three green sea turtles were observed during the workday.

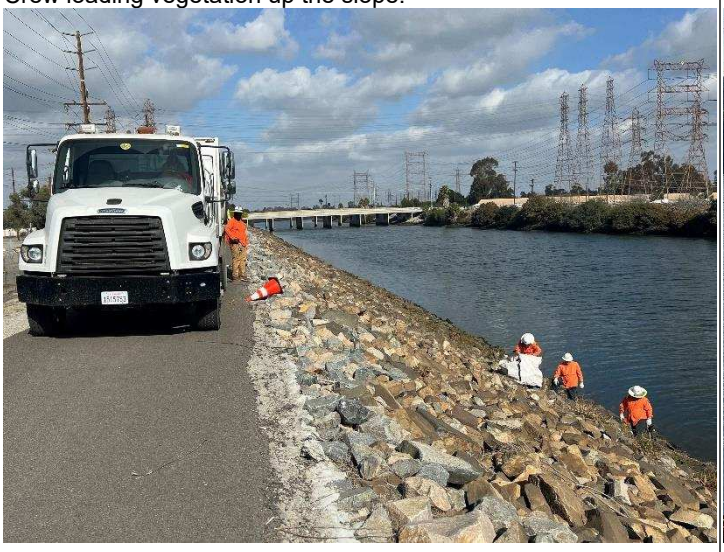
Species Observed:

- Black phoebe
- Great-blue heron
- Yellow rumped warbler
- Common yellowthroat
- Common raven
- Red-shouldered hawk
- Anna's hummingbird
- Blue-gray gnatcatcher
- Great egret
- House finch
- Snowy egret
- Red-tailed hawk
- Osprey
- American kestrel
- Double-crested cormorant
- California ground squirrel
- Pied-billed grebe
- Lesser's goldfinch
- Great-tailed grackle
- European starling
- Desert cottontail

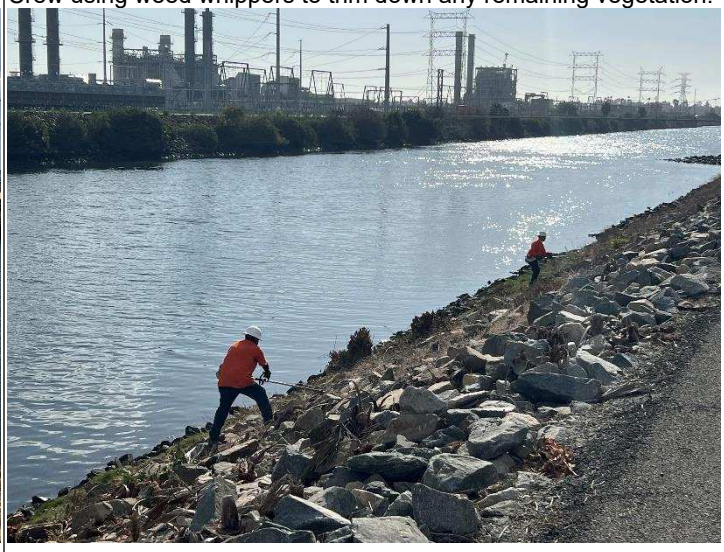
**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

The foreman informed Ms. Messett that work at 115 was now complete and the crew would not be returning.

Crew loading vegetation up the slope.



Crew using weed whippers to trim down any remaining vegetation.



Observer Name: Lela Updegrave

Psomas Job Number:	3DPW180702	**Survey Date:**	12/05/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0830 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115 Entry to the work area is at the gate at 698 N Studebaker Road at the Studebaker Self Storage Facility. A secondary entrance is off of E Second Street.

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
52	100	0-1	66	90	0-1

Observations:

Psomas Biologist Lela Updegrave monitored construction activities at Reach 115 on December 5, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of the day's biological monitoring.

On December 5, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) south of SR 22. Ms. Updegrave conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were mostly clear with some light fog. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of 13 individuals working south of SR 22. The crew used hand tools to remove vegetation and an excavator to load into a truck. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe and transported off-site. No cut vegetation entered the water during any work activities. Two green sea turtles were observed, but they did not approach within 50 feet of the work area. A carcass

Species Observed:

- Black phoebe
- Double-crested cormorant
- American kestrel
- American coot
- Brown pelican
- American wigeon
- Pied-billed grebe
- Mallard
- Spotted sandpiper
- Killdeer
- Snowy egret
- Common yellowthroat
- Yellow-rumped warbler
- Western gull
- Turkey vulture
- Great-blue heron
- house finch
- Mourning dove
- Green sea turtle
- Egyptian goose
- Belted kingfisher
- Song sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

of a brown pelican was also observed, but the mortality was unrelated to the work. The tide was high for most of the morning until after lunch.

The DPW crew will return on Friday, Saturday and Monday to continue working south of SR 22.

DPW crew cutting and loading vegetation, looking northeast.

View of Reach 115 before work begins, facing southeast.

Carcass of brown pelican.

Observer Name: Lela Updegrave

Psomas Job Number:	3DPW180702	**Survey Date:**	12/11/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0750 - 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Windy App used for Weather Data CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115 Entry to the work area is at the gate at 698 N Studebaker Road at the Studebaker Self Storage Facility. A secondary entrance is off of E Second Street.

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
52	100	1	69	100	1

Observations:

Psomas Biologist Lela Updegrave monitored construction activities at Reach 115 on December 11, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of the biological monitoring.

Construction activities were conducted by Los Angeles County Department of Public works (LADPW) south of 2nd Street. Ms. Updegrave arrived on-site at 0750 and met up with members of the LA County Public Works Crew. Ms. Updegrave then conducted a sweep of the work area prior to construction activities on the south side of 2nd Street to the PCH to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. No sensitive herpetofauna or avian species were observed during the sweep.

Throughout the day the DPW crew used hand tools to remove vegetation and a backhoe to reach down onto the slope, grab the cut vegetation and then load it into a truck. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe or was hand hauled up the slope of the channel by the DPW crew workers and transported off-site. No cut vegetation

Species Observed:

- Black phoebe
- Great-blue heron
- Yellow rumped warbler
- Common yellowthroat
- Belted kingfisher
- Common raven
- Red-shouldered hawk
- Anna's hummingbird
- Blue-gray gnatcatcher
- Great egret
- House finch
- Snowy egret
- Osprey
- American kestrel
- Double-crested cormorant
- California ground squirrel
- Pied-billed grebe
- Lesser's goldfinch
- White-tailed kite

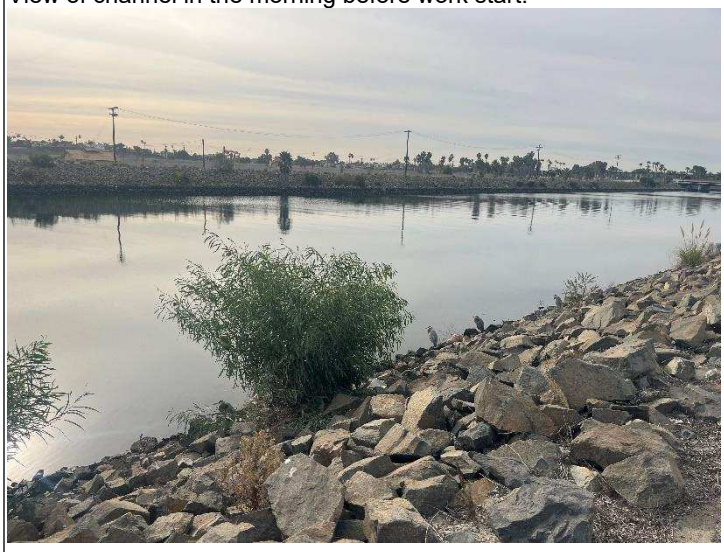
**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

entered the water during any work activities. One green sea turtle was observed during the workday.

The foreman informed Ms. Updegrave that there would be no work on Saturday and they will likely be finished with the reach by the end of the week. The workers will continue to work south of second street on Thursday December 12th.

Crew loading vegetation up the slope with a backhoe.

View of channel in the morning before work start.



Observer Name: Trevor Bristle

Psomas Job Number:	3DPW180702	**Survey Date:**	10/22/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0645 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
55	0	1	83	0	2

Observations:

Psomas Biologist Trevor Bristle monitored construction activities at Reach 115 on October 22, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 22, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Mr. Bristle conducted a sweep of the work area prior to construction activities to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 4 green sea turtles were observed near the work area during the sweep.

The crew consisted of 10 individuals today. The work area is approximately 100 ft downstream of the concrete lined channel. The crew used hand tools, a lopper, and a chainsaw to cut vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. Vegetation was then placed in a

Species Observed:

- great-tailed grackle
- black-necked stilt
- snowy egret
- turkey vulture
- mourning dove
- Anna's hummingbird
- Eurasian collared dove
- black phoebe
- California towhee
- double-crested cormorant
- American coot
- osprey
- northern mockingbird
- Cassin's kingbird
- brown pelican
- great blue heron
- black-crowned night-heron
- western grebe
- western gull
- mallard
- house finch
- white-crowned sparrow
- California gull
- green sea turtle

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

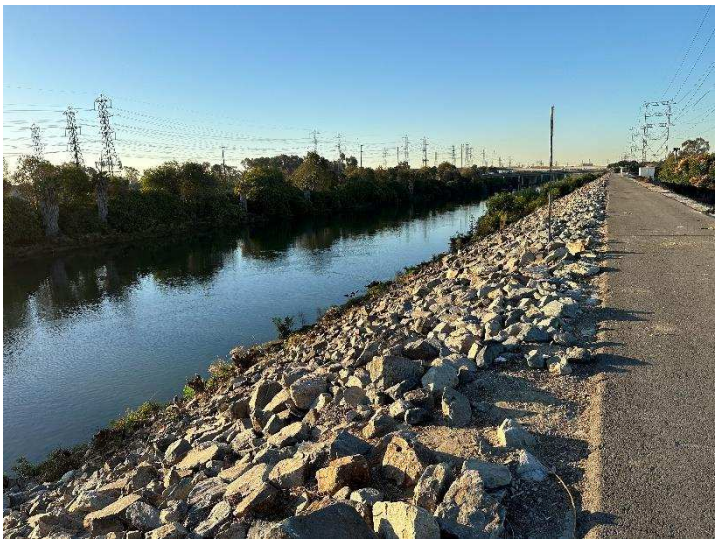
truck and removed off site at the end of the day. Species removed included tree of heaven, Brazilian peppertree, and Shamel ash. No cut vegetation entered the water during work activities. Approximately 25 additional green sea turtles were observed near the work area throughout the course of the day

The sea turtle previously observed to be entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today. The NOAA rescue team is aware of the turtle.

The crew will return tomorrow at 8:00 AM to continue working south removing vegetation.

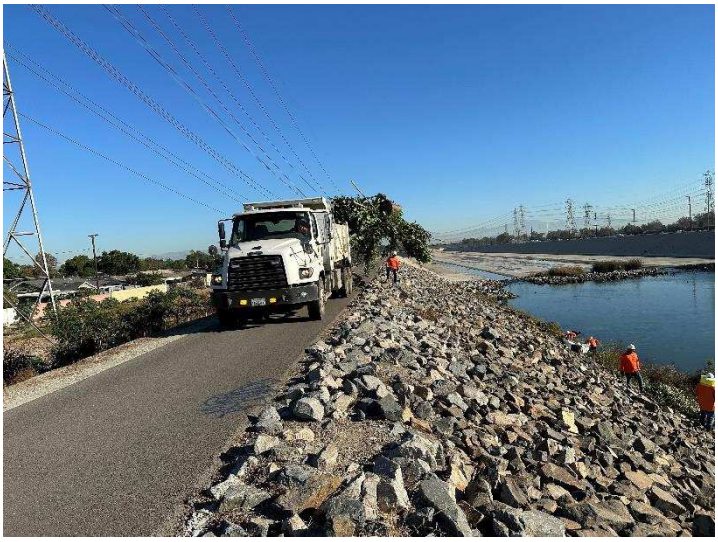
- great egret
- orange-crowned warbler
- pied-bill grebe
- Cooper's hawk
- common raven
- rock pigeon
- spotted sandpiper
- blue-gray gnatcatcher
- red-crowned parrot
- belted kingfisher
- western fence lizard
- red-eared slider
- killdeer

October 22, 2024. Work area at the start of the day, facing downstream.

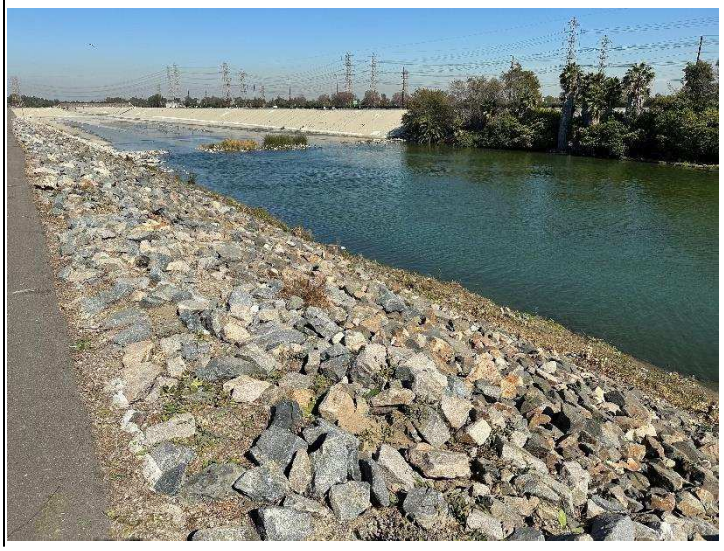


October 22, 2024. Crew cutting vegetation.

October 22, 2024. Crew hauling vegetation up bank.



October 22, 2024. Work area at the end of the day, facing upstream.



Observer Name: Trevor Bristle

Psomas Job Number:	3DPW180702	**Survey Date:**	10/24/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0715 to 1345
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
57	100	0	74	20	2

Observations:

Psomas Biologist Trevor Bristle monitored construction activities at Reach 115 on October 24, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 24, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Mr. Bristle conducted a sweep of the work area prior to construction activities to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 4 green sea turtles were observed near the work area during the sweep.

The crew consisted of 8 individuals today. The work area is approximately 300 ft downstream of the concrete lined channel. The crew used hand tools and a chainsaw to cut vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. Vegetation was then placed in a truck and

Species Observed:

- black-necked stilt
- snowy egret
- turkey vulture
- mourning dove
- Anna's hummingbird
- Eurasian collared dove
- black phoebe
- California towhee
- double-crested cormorant
- American coot
- osprey
- northern mockingbird
- Cassin's kingbird
- brown pelican
- great blue heron
- black-crowned night-heron
- western grebe
- western gull
- mallard
- house finch
- white-crowned sparrow
- California gull
- green sea turtle
- great egret

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

removed off site at the end of the day. Species removed included tree of heaven, Brazilian peppertree, Chinese flame tree, Arundo, and Shamel ash. No cut vegetation entered the water during work activities. Approximately 8 additional green sea turtles were observed near the work area throughout the course of the day

The sea turtle previously observed to be entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today. The NOAA rescue team is aware of the turtle.

The crew will return tomorrow at 8:00 AM to continue working south removing vegetation.

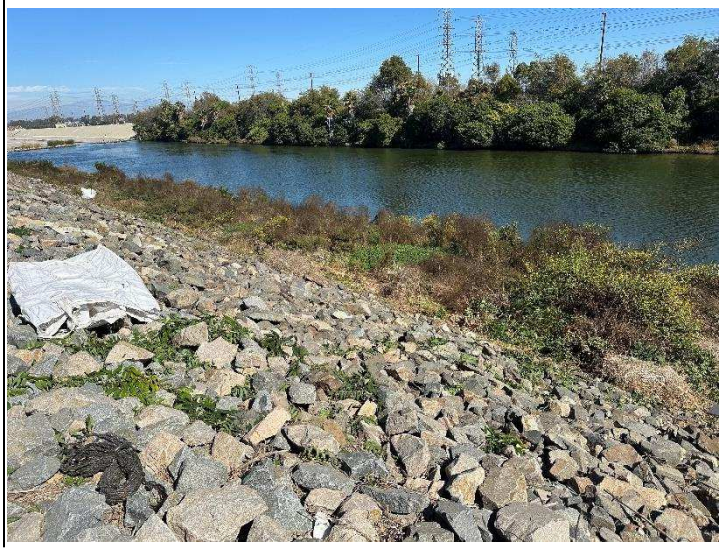
- orange-crowned warbler
- pied-bill grebe
- Cooper's hawk
- spotted sandpiper
- belted kingfisher
- western fence lizard
- American kestrel
- house wren
- red fox squirrel
- Say's phoebe
- American wigeon
- European starling

October 24, 2024. Work area at the start of the day, facing downstream.

October 24, 2024. Crew cutting vegetation.

October 24, 2024. Crew hauling vegetation up bank.

October 24, 2024. Work area at the end of the day, facing upstream.



**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

Observer Name: Trevor Bristle

Psomas Job Number:	3DPW180702	**Survey Date:**	11/1/2024
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0715 to 1515
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
49	0	1	68	20	2

Observations:

Psomas Senior Biologist Trevor Bristle monitored construction activities at Reach 115 on November 1, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 1, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway and sub-contractor Oakridge south of the 405 Freeway. Mr. Bristle conducted a sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 3 green sea turtles were observed in the vicinity during the survey of the work area.

Two crews were working today. The DPW crew consisted of 8 individuals working north of the 405 Freeway. The crew used hand tools to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. The second crew was a County sub-contractor (Oakridge) and consisted of 5 individuals. The crew worked south of the 405 Freeway and used hand tools to remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. No cut vegetation entered the water during any work activities. Approximately 18 green sea turtles were observed during clearing activities.

Species Observed:

- black-necked stilt
- western gull
- black-crowned night heron
- Cassin's kingbird
- killdeer
- European starling
- black phoebe
- California towhee
- American crow
- mourning dove
- mallard
- Say's phoebe
- Anna's hummingbird
- northern mockingbird
- white-crowned sparrow
- house finch
- western grebe
- Eurasian collared dove
- American coot
- great egret
- osprey
- turkey vulture
- pied-bill grebe
- red-tailed hawk
- green sea turtle
- spotted sandpiper
- California gull
- red-crowned parrot

The sea turtle entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today.

The County crew will return Saturday at 0800 to continue removing vegetation north of the 405 freeway, Oakridge will not be present.

Oakridge will return on Monday at 0700 to continue removing vegetation south of the 405 freeway, the County crew will not be present.

Both crews will be present on Tuesday at 0700-0800 to continue removing vegetation.

- great-tailed grackle
- American kestrel
- great blue heron
- brown pelican
- double-crested cormorant
- snowy egret
- western fence lizard

The DPW crew cutting vegetation, north of the 405 Freeway.

Cut vegetation south of the 405 Freeway being carried in the bobcat to be loaded into the onsite storage bin.

Oakridge crew members cutting vegetation, south of the 405 Freeway.

Observer Name: Trevor Bristle

Psomas Job Number:	3DPW180702	**Survey Date:**	11/5//24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0630 to 1500
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the DPW work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). Access to the Oakridge work area is at the end of Via Del Rio Street or College Park Drive. All gates require a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
53	0	0	67	80	2

Observations:

Psomas Biologist Trevor Bristle monitored construction activities at Reach 115 on November 5, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 5, 2024, construction activities were conducted by Sub-contractor Oakridge south of the 405 Freeway and the County north of the 405 Freeway. Mr. Bristle conducted a sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 3 green sea turtles were observed in the vicinity during the survey of the work area.

Two crews were working today. The DPW crew consisted of 8 individuals working north of the 405 Freeway. The crew used hand tools to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. The second crew

Species Observed:

- Black-crowned night-heron
- Red-tailed hawk
- Spotted sandpiper
- Lesser scaup
- European starling
- White-crowned sparrow
- California towhee
- American kestrel
- Anna's hummingbird
- Black phoebe
- American crow
- California gull
- Say's phoebe
- Pied-bill grebe
- Double-crested cormorant
- House finch
- American coot
- Nashville warbler
- Mourning dove
- Yellow-rumped warbler
- Lesser goldfinch
- House sparrow

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

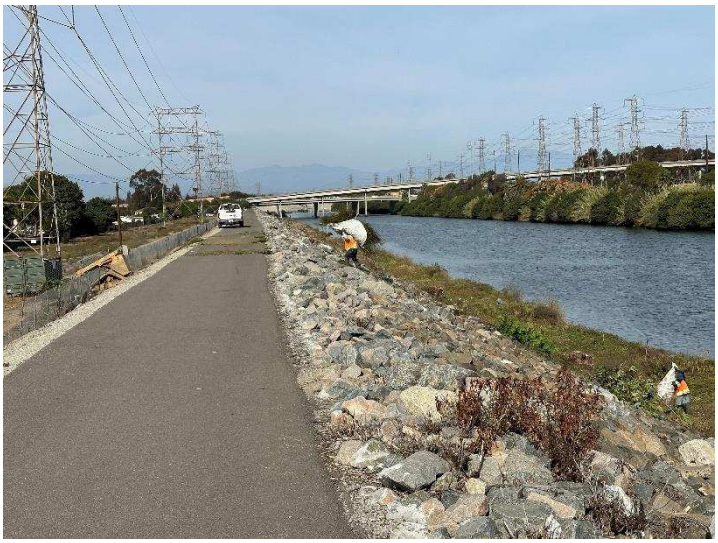
was a County sub-contractor (Oakridge) and consisted of 5 individuals. The crew worked south of the 405 Freeway and used hand tools to remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. No cut vegetation entered the water during any work activities. Approximately 9 green sea turtles were observed during clearing activities.

The sea turtle entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today.

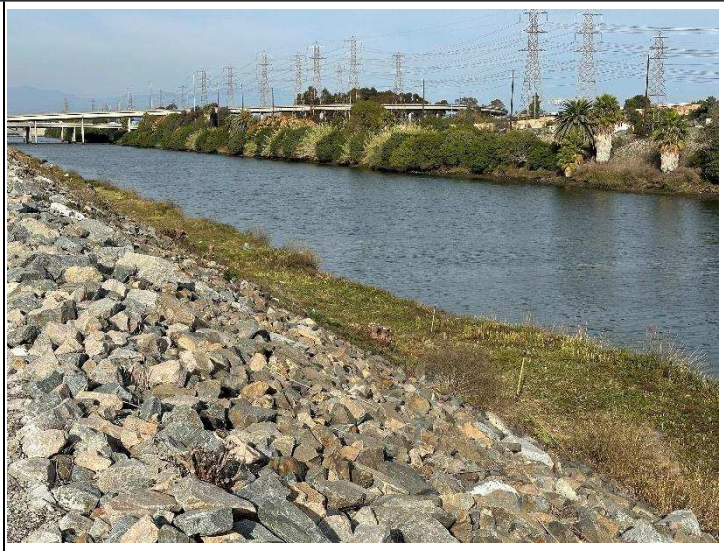
Both crews will return Tuesday at 7-8:00 AM to continue working south removing vegetation.

- Brown pelican
- Killdeer
- Great blue heron
- Horned lark
- Western grebe
- Green sea turtle
- Osprey
- Turkey vulture
- Eurasian-collared dove
- Northern mockingbird
- Cassin's kingbird
- Snowy egret
- Black-necked stilt

Oakridge crew members cutting and bagging vegetation, south of the 405 Freeway.



Overview of area after vegetation clearing completed, south of the 405 Freeway.



DPW crew clearing vegetation, north of the 405 Freeway.

Overview of area after vegetation clearing completed, north of the 405 Freeway.

Observer Name: Trevor Bristle

Psomas Job Number:	3DPW180702	**Survey Date:**	11/6//24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0630 to 1530
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the DPW work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). Access to the Oakridge work area is at the end of Via Del Rio Street or College Park Drive. All gates require a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
51	0	1	75	10	5

Observations:

Psomas Biologist Trevor Bristle monitored construction activities at Reach 115 on November 6, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 6, 2024, construction activities were conducted by Sub-contractor Oakridge south of the 405 Freeway and the County north of the 405 Freeway. Mr. Bristle conducted a sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 4 green sea turtles were observed in the vicinity during the survey of the work area.

Two crews were working today. The DPW crew consisted of 10 individuals working north of the 405 Freeway. The crew used hand tools to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. The second crew

Species Observed:

- Black-crowned night-heron
- Red-tailed hawk
- Spotted sandpiper
- Lesser scaup
- European starling
- White-crowned sparrow
- California towhee
- American kestrel
- Anna's hummingbird
- Black phoebe
- American crow
- California gull
- Say's phoebe
- Pied-bill grebe
- Double-crested cormorant
- House finch
- American coot
- Mourning dove
- Yellow-rumped warbler
- Lesser goldfinch
- House sparrow
- Brown pelican

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

was a County sub-contractor (Oakridge) and consisted of 4 individuals. The crew worked south of the 405 Freeway and used hand tools to remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. No cut vegetation entered the water during any work activities. Approximately 14 green sea turtles were observed during clearing activities.

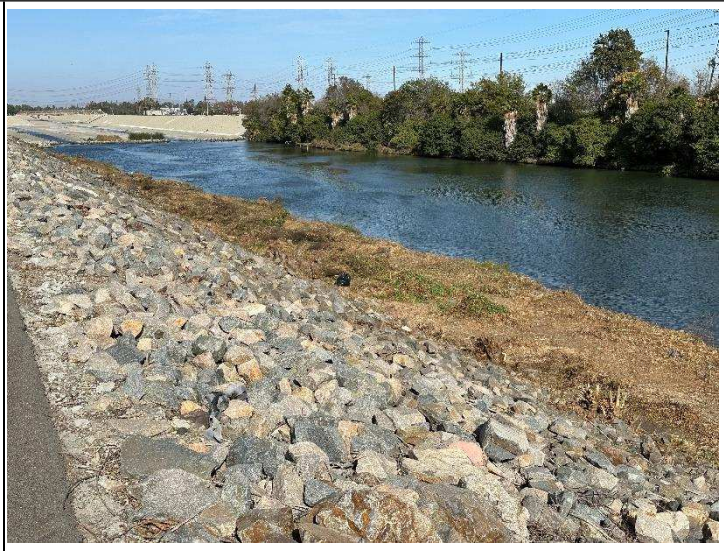
The sea turtle entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today.

Both crews will return Tuesday at 7-8:00 AM to continue working south removing vegetation.

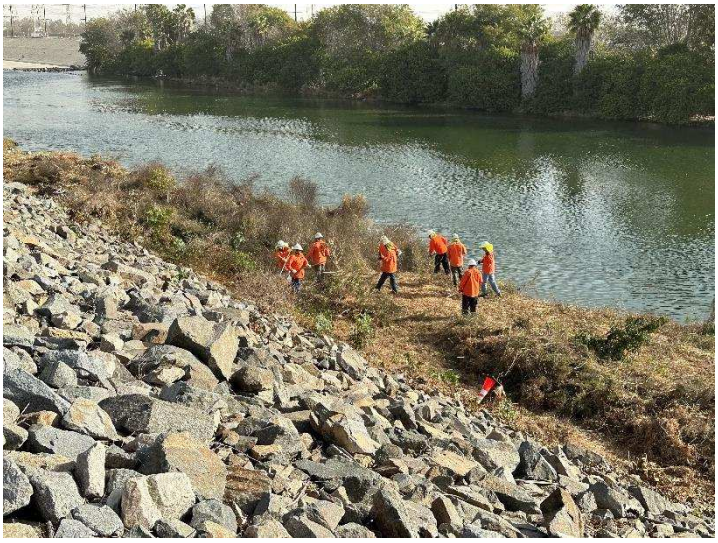
- Great blue heron
- Western grebe
- Green sea turtle
- Osprey
- Turkey vulture
- Eurasian-collared dove
- Northern mockingbird
- Cassin's kingbird
- Snowy egret
- Black-necked stilt
- Song sparrow
- Ruddy duck
- House wren
- American wigeon
- Belted kingfisher

Oakridge crew members clearing vegetation, south of the 405 Freeway.

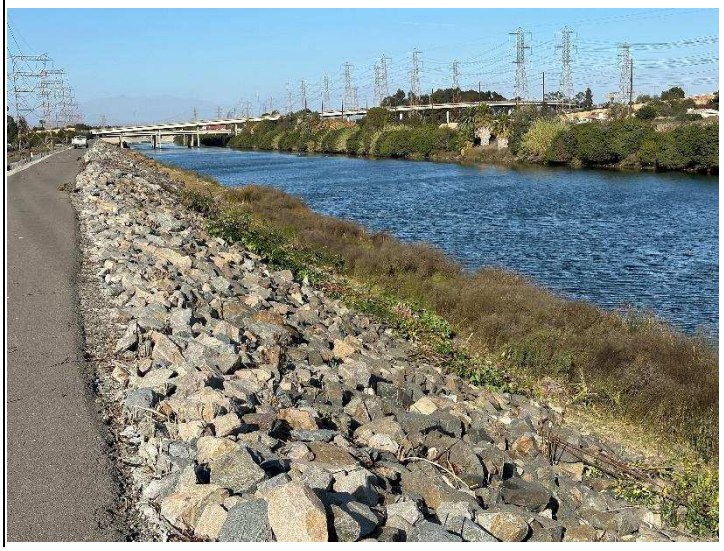
Overview of area after vegetation clearing completed, south of the 405 Freeway.



DPW crew clearing vegetation, north of the 405 Freeway.



Overview of area after vegetation clearing completed, north of the 405 Freeway.



Observer Name: Trevor Bristle

Psomas Job Number:	3DPW180702	**Survey Date:**	11/7//24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0630 to 1530
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) 1 (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the DPW work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). Access to the Oakridge work area is at the end of Via Del Rio Street or College Park Drive. All gates require a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
54	0	0	69	20	1

Observations:

Psomas Biologist Trevor Bristle monitored construction activities at Reach 115 on November 7, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 7, 2024, construction activities were conducted by Sub-contractor Oakridge south of the 405 Freeway and the County north of the 405 Freeway. Mr. Bristle conducted a sweep of the work area prior to construction activities occurring to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 4 green sea turtles were observed in the vicinity during the survey of the work area.

Two crews were working today. The DPW crew consisted of 10 individuals working north of the 405 Freeway. The crew used hand tools to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. The second crew

Species Observed:

- Black-crowned night-heron
- Red-tailed hawk
- Spotted sandpiper
- European starling
- White-crowned sparrow
- California towhee
- American kestrel
- Anna's hummingbird
- Black phoebe
- American crow
- California gull
- Say's phoebe
- Pied-bill grebe
- Double-crested cormorant
- House finch
- American coot
- Mourning dove
- Yellow-rumped warbler
- Lesser goldfinch
- House sparrow
- Brown pelican
- Great blue heron

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

was a County sub-contractor (Oakridge) and consisted of 5 individuals. The crew worked south of the 405 Freeway and used hand tools to remove vegetation. Cut vegetation was carried upslope, loaded on a small bobcat, and placed in a large storage bin onsite. Castor bean seeds were cut and bagged prior separately to avoid spreading. No cut vegetation entered the water during any work activities. Approximately 15g green sea turtles were observed during clearing activities.

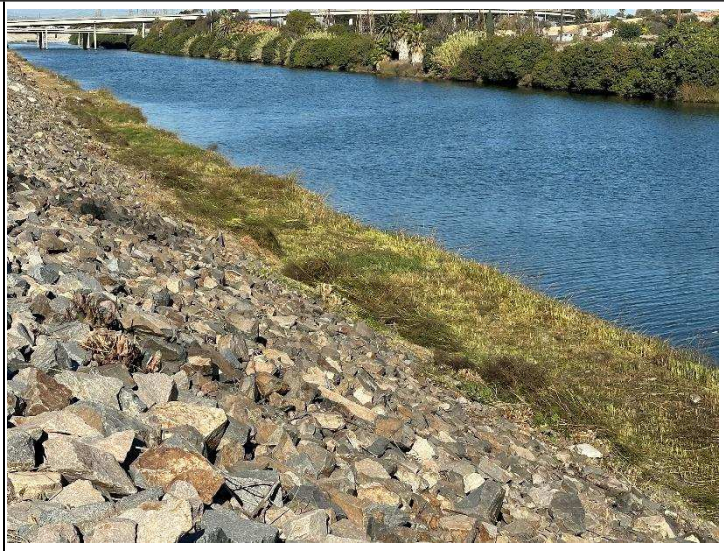
The sea turtle entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today.

Both crews will return Tuesday at 7-8:00 AM to continue working south removing vegetation.

- Western grebe
- Green sea turtle
- Osprey
- Turkey vulture
- Eurasian-collared dove
- Northern mockingbird
- Cassin's kingbird
- Snowy egret
- Black-necked stilt
- Song sparrow
- Ruddy duck
- Belted kingfisher
- American wigeon
- Western fence lizard
- California ground squirrel
- Red fox squirrel
- Blue-winged teal
- Killdeer
- Western kingbird
- Allen's hummingbird

Oakridge crew members clearing vegetation, south of the 405 Freeway.

Overview of area after vegetation clearing completed, south of the 405 Freeway.



DPW crew clearing vegetation, north of the 405 Freeway.

Overview of area after vegetation clearing completed, north of the 405 Freeway.

Observer Name: Trevor Bristle

Psomas Job Number:	3DPW180702	**Survey Date:**	11/14/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0730 to 1400
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
50	0	0	69	0	1

Observations:

Psomas Biologist Trevor Bristle monitored vegetation clearing activities at Reach 115 on November 14, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On November 14, 2024, activities were conducted by Los Angeles County Department of Public works (LADPW) just south of SR 22. Mr. Bristle conducted a sweep of the work area prior to construction activities on the south side of SR 22 to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep.

The DPW crew consisted of 8 individuals working south of SR 22. The crew used hand tools and a chain saw to remove vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe and transported off-site. No cut vegetation entered the water during any work activities. A total of 4 green sea turtles were observed throughout the day.

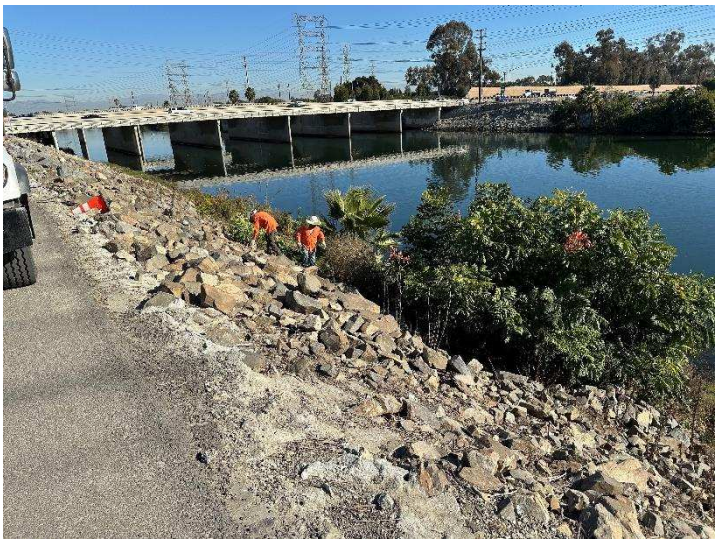
The DPW crew will return Friday at 0800 to continue working south of SR 22.

Species Observed:

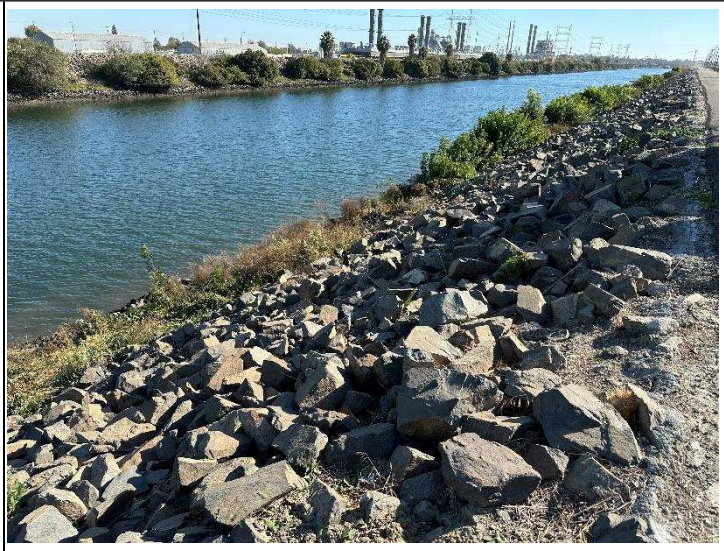
- Double-crested cormorant
- American coot
- Black phoebe
- House finch
- Yellow-rumped warbler
- Anna's hummingbird
- Brown pelican
- White-crowned sparrow
- European starling
- Pied-bill grebe
- Great egret
- Spotted sandpiper
- Bushtit
- Great blue heron
- Belted kingfisher
- Song sparrow
- Rufous hummingbird
- Side-blotched lizard
- Mourning dove
- Turkey vulture
- Green sea turtle
- California gull
- Snowy egret
- American crow
- Western gull

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

View of the DPW crew bagging and removing vegetation.



View of the work area after the day's vegetation removal was completed.



Observer Name: Tyler Glaser

Psomas Job Number:	3DPW180702	**Survey Date:**	10/23/24
Project Name:	Soft-Bottom Channel Maintenance Project	**Start/End Time:**	0656 to 1345
Client:	LACDPW Flood control district	**Project Location (include County):**	Reach 115, Los Angeles County, CA
Participating Personnel (Name/Affiliation):	Orlando Almader (DPW) (562) 777-4496 Jacob (DPW) Foreman	**Notes/Tips:**	Access to the path above the work area is through the gate at the end of Atherton Street (7131 E Atherton Dr is the nearest address). The gate requires a CAT 30 key. CDFW Violation Tip Line for sea turtles 1 (888) 334-2258 NOAA number for stranded/injured turtles 1 (562) 506-4315
Survey Purpose:	Maintenance monitoring	**Project Area:**	Reach 115

Starting Weather Conditions:			**Ending Weather Conditions:**		
Temp (F):	*% Cloud Cover:*	*Wind (Beaufort*):*	*Temp (F):*	*% Cloud Cover*	*Wind (Beaufort*):*
53	0	0	79	0	4

Observations:

Psomas Biologist Tyler Glaser monitored construction activities at Reach 115 on October 23, 2024 to ensure that biological resources were not impacted. All wildlife species observed were recorded. Below is a summary of today's biological monitoring.

On October 23, 2024, construction activities were conducted by Los Angeles County Department of Public works (LADPW) north of the 405 Freeway. Mr. Glaser conducted a survey of the work area prior to construction activities to ensure no sensitive biological resources (i.e. eelgrass, herpetofauna, sea turtles, or avian species) were within the work area. Conditions were clear with good visibility. No sensitive herpetofauna or avian species were observed during the sweep. Approximately 5 green sea turtles were observed near the work area during the sweep.

The work area is approximately 300 ft downstream of the concrete lined channel. The crew used hand tools and a chainsaw to cut vegetation. All vegetation was bagged or wrapped with rope and pulled up the channel banks with the aid of a backhoe. Vegetation was then placed in a truck and removed off site at the end of the day. Species

Species Observed:

- snowy egret
- turkey vulture
- mourning dove
- Anna's hummingbird
- Eurasian collared dove
- black phoebe
- California towhee
- double-crested cormorant
- American coot
- osprey
- northern mockingbird
- Cassin's kingbird
- brown pelican
- great blue heron
- black-crowned night-heron
- western grebe
- western gull
- mallard
- house finch
- white-crowned sparrow
- song sparrow
- blue-gray gnatcatcher
- green sea turtle
- great egret

**Beaufort scale: 0=calm, smoke rises vertically; 1=light air, smoke drift indicates wind direction, leaves and wind vanes are stationary; 2=light breeze, wind felt on exposed skin, leaves rustle, wind vanes begin to move; 3=gentle breeze, leaves and small twigs constantly moving, light flags extended; 4=moderate breeze, dust and loose paper raised, small branches begin to move; 5=fresh breeze, branches of a moderate size move, small trees in leaf begin to sway; 6=strong breeze, large branches in motion, whistling heard in overhead wires, umbrella use becomes difficult, empty plastic bins tip over; 7=high wind, near gale, whole trees in motion, effort needs to walk against the wind; 8=fresh gale, some twigs broken from trees, cars veer on road, progress on foot is seriously impeded.*

removed included Brazilian peppertree, Arundo, and Shamel ash. No cut vegetation entered the water during work activities. Approximately 10 additional green sea turtles were observed near the work area throughout the course of the day

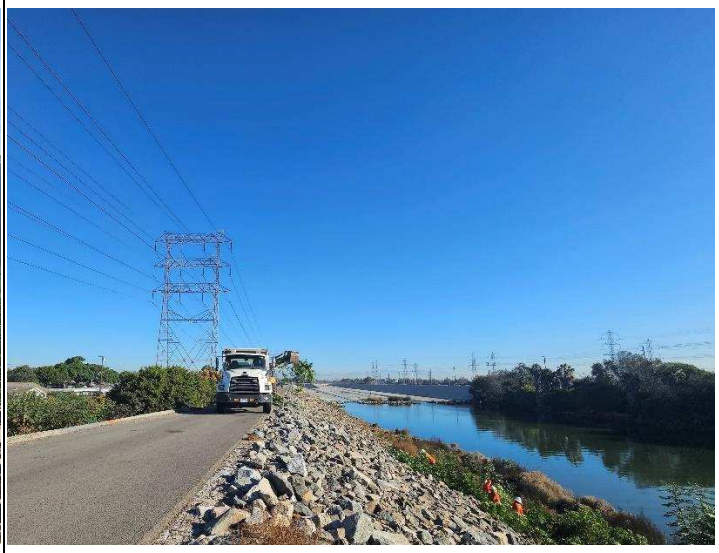
The sea turtle previously observed to be entangled with fishing line and a plastic bottle just south of the concrete lined portion of the channel was not observed today. The NOAA rescue team is aware of the turtle.

The crew will return tomorrow at 8:00 AM to continue working south removing vegetation.

- Swinhoe's white eye
- orange-crowned warbler
- pied-bill grebe
- eared grebe
- Cooper's hawk
- spotted sandpiper
- belted kingfisher
- western fence lizard
- American kestrel
- red-tailed hawk
- California ground squirrel
- American wigeon
- European starling

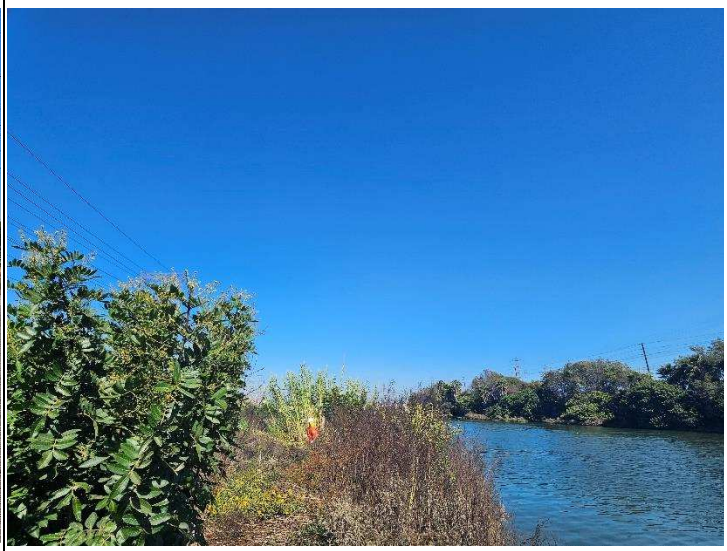
October 23, 2024. Overview of vegetation removal activities. Crew using hand clippers and a chainsaw to remove small trees present along western bank.

October 23, 2024. View of crew loading cleared vegetation into truck for removal.



October 23, 2024. Additional view of clearing activities. Facing south.

October 23, 2024. View of clearing activities from bottom of channel. Crew removing stand of giant reed (*Arundo donax*). Facing north.



MEMORANDUM

2024-2025 REACH 115 BIOLOGICAL MONITORING DURING ALL MAINTENANCE ACTIVITIES

MEMORANDUM

February 14, 2025

To:
Paul Shadmani
Los Angeles County Flood Control District
Stormwater Maintenance Division

From:
Marc Blain
Psomas

Subject: 2024-2025 Biological Monitoring at Reach 115 During All Maintenance Activities

INTRODUCTION

Psomas conducted biological monitoring during all maintenance activities occurring in Los Angeles County Flood Control District's (LACFCD's) Soft-bottom Channel Reach 115. Monitoring occurred from October 09, 2024 to December 13, 2024. Full-time monitoring of this reach is required due to regulatory permit conditions stemming from the known presence of federally-threatened green sea turtle (*Chelonia mydas*).

SITE LOCATION AND DESCRIPTION

Reach 115 is a nearly 4-mile segment of the San Gabriel River located in southeastern Los Angeles County between the cities of Los Alamitos and Seal Beach (Exhibit 1). The entire length of Reach 115 is tidally influenced. The upstream terminus of Reach 115 is located north of Interstate 405 approximately 1,750 feet upstream at confluence of Coyote Creek and continues downstream until the channel empties into the Pacific Ocean. The channel consists of an earthen-bottom (or soft-bottom) with earthen levees on each bank with ungrouted rip-rap (e.g., large boulders) on the surface. Mature vegetation in the upper portions of Reach 115, within lower sections of the levee, and within sediment benches at the toe of the levee was established on both banks. This vegetation was removed from the right bank only (west side of the channel) during the 2018-2019 and 2019–2020 maintenance years. Normal maintenance work occurred during the 2020-2021 season, however, during the 2022–2023 season, maintenance activities were not performed due to LACFCD not obtaining the California Coastal Commission's permit for Reach 115. This permit was received prior to the 2023-2024 maintenance season, allowing maintenance work to resume at this reach. All maintenance work to date, has been performed on the right bank. No vegetation has been removed on the left bank (east side of the channel). The Project site is located within the Los Alamos and Seal Beach U.S. Geological Survey (USGS) 7.5-minute quadrangles.

METHODS

Starting in the 2024-2025 maintenance season, due to updated requirements in the California Department of Fish and Wildlife's (CDFW) Soft-Bottom Channel Annual Maintenance Master Streambed Alteration Agreement, the pre-maintenance photo documentation and pre-maintenance surveys were conducted during sperate visits. On August 29, 2024, prior to the start of maintenance activities, Psomas Biologist Lela Updegrave conducted a pre-maintenance photo documentation site visit. Miss Updegrave took photos of the pre-maintenance site conditions at all the historic photo locations (Exhibit 2a-1 to 2a-4). Due to the length of Reach 115, pre-maintenance general bio surveys were conducted daily prior to maintenance work beginning. The biological monitor surveyed the crew's current work area, including a 50-foot survey buffer upstream and downstream, prior to the day's maintenance work occurring. During the survey, Psomas biologists walked the immediate work area within the Project site making note of all

vegetation types, wildlife, noxious invasive species, special status species observed within the reach boundaries and recorded in Daily Monitoring Forms (DMF). They also recorded the number of green sea turtles observed during the pre-maintenance site survey. The biologists stayed on site and monitored the crew during all maintenance work.

Maintenance activities at Reach 115 commenced on October 9, 2024 and consisted of one Los Angeles County Public Works (LACPW) crew. The LADPW crew was also assisted by their subcontractor Oakridge Landscape Inc (Oakridge). Oakridge started maintenance work on October 28, 2024, downstream of Interstate 405. Both LADPW and Oakridge crews worked solely on the right bank removing all vegetation (consisting of primarily non-native shrubs and invasive and herbaceous species). No retaining boom was installed during this season following approval from CDFW and National Oceanic and Atmospheric Administration to alleviate the practice due to lack of detectable benefit and potential for conflict with green sea turtles.

Maintenance activities consisted of shrub removal which included noxious species such as castor bean (*Ricinus communis*), giant reed (*Arundo donax*), and tree of heaven (*Ailanthus altissima*), and herbaceous (e.g., ice plant (*Carpobrotus edulis*) plant removal. Vegetation was cut and placed in large plastic bags and hauled up the levee slope with assistance from a chain and backhoe. The castor bean seed heads were cut and bagged prior to the shrubs being removed to prevent spread throughout the channel. Various types of equipment were used to remove vegetation during maintenance activities including backhoes (to remove bagged vegetation); pick-up trucks; and various hand tools such as weed whackers, hedge trimmers, and rakes (Exhibits 2b-1 to 2b-3).

During work activities, the on-site biologist scanned for any potential project impacts to the habitat and or wildlife. If a potential for an impact was observed, the biologist would halt work temporarily to prevent the potential impact. Once a potential impact was addressed and resolved, work was allowed to proceed.

Green sea turtle activity was closely monitored throughout all maintenance activities, and counts were taken over the entire day, however, it is crucial to note that only the counts collected during the pre-maintenance general bio survey were used to establish a baseline population estimate. The on-site biologist would conduct a pre-work survey and establish a count for the number of sea turtles within the work area. This count although a daily one-time event, provides a more accurate snapshot of the sea turtle population within the work area. Given the inherent mobility of sea turtles, the on-site biologist was unable to maintain a continuous tracking of individual turtles post the initial count. Consequently, any sea turtles observed during the maintenance work could not be definitively linked back to the turtles counted during the pre-maintenance survey.

RESULTS

During the maintenance work for Reach 115 that occurred from October 9, 2024 to December 13, 2024, a total of 181 sea turtle sightings were observed during the daily pre-maintenance surveys of the work area. On average, approximately four green sea turtles were seen per pre-maintenance survey conducted. The lowest number of sightings in a single sweep was 0, while the greatest was 12. As mentioned above, these numbers are not intended to reflect the entire population size for green sea turtles throughout Reach 115 but only the incidental observations in a small portion of the reach. There is also some degree of overcounting error in the estimated site sweep counts due to the high potential that an individual was counted more than once.

No impacts to any sensitive wildlife species were observed during work activities.

On multiple occasions while monitoring, Psomas Biologist Lindsay Messett observed individuals illegally fishing in the channel. These individuals were using casting nets and minnow traps which could potentially entangle and impact a green sea turtle. Miss Messett notified CDFW of the illegal activity and continued monitoring. Additionally, from October 09, 2024, through October 19, 2024, a single green sea turtle was observed to be entangled in fishing line outside the boom and work area. Since the turtle was not being impacted by work efforts, maintenance work was not halted. During the day of October 9, representatives from the Aquarium of the Pacific were on site conducting their weekly turtle count. They were notified of the entangled turtle and contacted their stranding team. The green sea turtle, however, was not removed that day and remained entangled through October 19, 2024. On October 17, Miss Messett notified the National Oceanic and Atmospheric Administration's (NOAA) rescue team of the entangled green sea turtle. On October 21, upon arriving to the site, Psomas biologist Allison Rudalevige did not observe the entangled turtle. Since maintenance work did not occur over the weekend between October 19 and October 21, Psomas was unable to confirm the rescue status of the turtle.

Throughout all maintenance activities implemented by LADPW and Oakridge, zero green sea turtles were impacted by the maintenance work.

Maintenance work was not halted at any point for environmental impacts.

Additionally, in analyzing the population count data, the data showed the number of sea turtles decreasing as the maintenance work continued downstream towards the ocean. This spatial distribution gradient is evident in both the pre-maintenance sweep counts and the daily total counts, where higher densities of sea turtles are recorded upstream, with counts gradually diminishing as the survey location moves towards the downstream end. This pattern might suggest that the upstream areas serve as a primary habitat for sea turtles within the Reach 115 channel. The reason for apparent decrease in sea turtle presence downstream is currently not understood, but could be due to water temperature, or food supply. In future monitoring efforts it might be interesting to study these variables to see if they are potentially significant in determining the presence of a sea turtle population.

Work activities were completed on December 13, 2024. All vegetation was removed from the right bank (west side of the river). Upon completion, a post-maintenance site visit was conducted by Psomas biologist Jack Underwood on January 30, 2025. Photos of Reach 115 were taken in the same location as the pre-maintenance photos to show the completed work. (Exhibits 2c-1 to 2c-4)

Enclosures: Exhibit 1
Exhibits 2a–2c

R:\Projects\DPW156\3DPW180702\Documentation\Reach 115 Memo\2024-2025 Reach 115 Memo-021425.docx

D:\Projects\COLADPW\Reaches\PROJSBC_Reaches\SBC_Reaches.aprx\ex_RL

Regional Location

Exhibit 1

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

N
W E
S

0 5 10

Miles

PSOMAS

(Rev: 2-13-2025 JVR) R:\Projects\DPW156\3DPW180702\Graphics\Reach_115_Memo\ex_RL.pdf

Reach 115 Pre-Maintenance Photo 1

Reach 115 Pre-Maintenance Photo 2

D:\Projects\COLADPW\Reaches\Graphics\Reaches\Reach_115\exA_SP1.ai

Pre-maintenance Photos

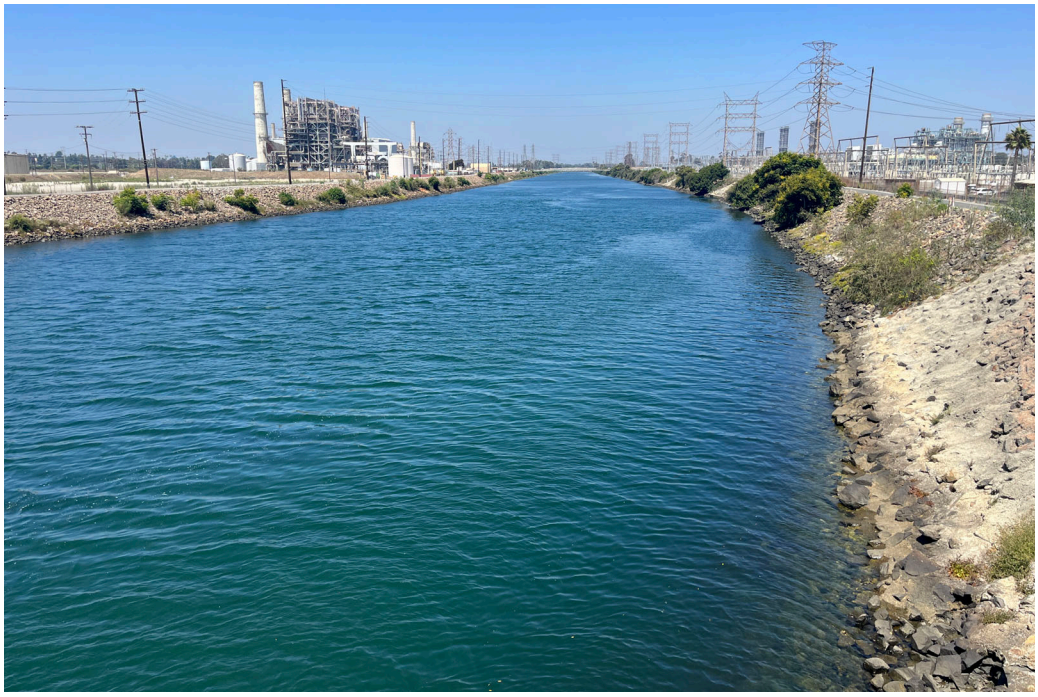
Exhibit 2a-1

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

PSOMAS

(02/13/2025 JVR) R:\Projects\DPW156\3DPW180702\Graphics\Reach_115_Memo\ex_PreMaint_SP.pdf

Reach 115 Pre-Maintenance Photo 3



Reach 115 Pre-Maintenance Photo 4

D:\Projects\COLADPW\Reaches\Graphics\Reaches\Reach_115\exA_SP2.ai

Pre-maintenance Photos

Exhibit 2a-2

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

PSOMAS

Reach 115 Pre-Maintenance Photo 5

Reach 115 Pre-Maintenance Photo 6

D:\Projects\COLADPW\Reaches\Graphics\Reaches\Reach_115\exA_SP3.ai

Pre-maintenance Photos

Exhibit 2a-3

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

PSOMAS

Reach 115 Pre-Maintenance Photo 7

D:\Projects\COLADPW\Reaches\Graphics\Reaches\Reach_115\exA_SP4.ai

LADPW crew members cutting and bagging castor bean seeds prior to plant removal.

View of a green sea turtle swimming within the Reach 115 channel.

D:\Projects\COLADPW\Reaches\Graphics\Reaches\Reach_115\exB_SP1.ai

Maintenance Monitoring Photos

Exhibit 2b-1

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

PSOMAS

Crew members removing vegetation such as Tree of Heaven (*Ailanthus altissima*) within the work area.

LADPW backhoe pulling up cut vegetation and debris from the slope of the channel.

D:\Projects\COLADPW\Reaches\Graphics\Reaches\Reach_115\exB_SP2.ai

Maintenance Monitoring Photos

Exhibit 2b-2

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

PSOMAS

LADPW crew members removing and loading cut vegetation and debris into their haul truck.

LADPW crew members bagging the last of the cut vegetation in the channel before ending work activities at Reach 115.

D:\Projects\COLADPW\Reaches\Graphics\Reaches\Reach_115\exB_SP3.ai

Maintenance Monitoring Photos

Exhibit 2b-3

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

PSOMAS

Reach 115 Post-Maintenance Photo 1

Reach 115 Post-Maintenance Photo 2

D:\Projects\COLADPW\Reaches\Graphics\Reaches\Reach_115\exC_SP1.ai

Post-maintenance Photos

Exhibit 2c-1

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

PSOMAS

Reach 115 Post-Maintenance Photo 3

Reach 115 Post-Maintenance Photo 4

D:\Projects\COLADPW\Reaches\Graphics\Reaches\Reach_115\exC_SP2.ai

Post-maintenance Photos

Exhibit 2c-2

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

PSOMAS

Reach 115 Post-Maintenance Photo 5

Reach 115 Post-Maintenance Photo 6

D:\Projects\COLADPW\Reaches\Graphics\Reaches\Reach_115\exC_SP3.ai

Post-maintenance Photos

Exhibit 2c-3

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

PSOMAS

Reach 115 Post-Maintenance Photo 7

D:\Projects\COLADPW\Reaches\Graphics\Reaches\Reach_115\exC_SP4.ai

Post-maintenance Photos

Exhibit 2c-4

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

PSOMAS

ATTACHMENT NO. 6

WATER QUALITY MONITORING SUMMARY REPORTS

Los Angeles Basin Watershed - Soft Bottom Channels
Feasibility Studies Technical Assessments and Recommendations
WATER QUALITY SAMPLING TESTING AND MONITORING RESULTS (2024-2025)

Ballona Creek Reach 112 North	**11/20/2024**			
LATITUDE (approx.)	33.986765	33.984031	33.98031	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	For Wednesday 11/20, 3rd day of field work, Technician arrived on-site at 0945 and met Max Dizon from Stormwater Maintenance 83rd Yard to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 Northside. Due to late request and the field crew already started vegetation removal as of Monday 11/18/2024, no baseline was established. Ocean Blue already placed the BMPs along the channel and field crew continue to remove vegetation inside the channel. Water level was low and steady. The water flow on the upstream point was not clear as it had so much vegetation inside the water. Between 0951 to 1010, I collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 11/20 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/21.
ELEVATION (approx.)	6	6	6	
TIME	9:51	10:01	10:10	
SAMPLE NO.	BCNS-1	BCNS-2	BCNS-3	
TEMPERATURE (°C)	17.5	15.9	15.6	
pH	7.46	7.41	7.59	
TURBIDITY (NTUs)	21.2	3.66	1.79	
DISSOLVED O_2 (mg/L)	9.7	9.69	9.5	
TOTAL SUSPENDED SOLIDS (mg/L)	27.2	ND	2.6	
Ballona Creek Reach 112 North	**11/26/2024**			
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	For Tuesday 11/26, 5th day of field work, Technician arrived on-site at 0800 and met Max Dizon from Stormwater Maintenance 83rd Yard to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 Northside. Water level was very low and steady. The water flow on the upstream and downstream were not clear as it had a lot of vegetation and debris inside the water. Between 0820 to 0845, I collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 11/26 on 24-hour TAT. Results for TSS will be available Wednesday 11/27.
ELEVATION (approx.)	6	6	6	
TIME	8:20	8:30	8:45	
SAMPLE NO.	BCNS-1	BCNS-2	BCNS-3	
TEMPERATURE (°C)	17.81	15.91	16.08	
pH	7.83	9.13	8.75	
TURBIDITY (NTUs)	5.41	1.93	8.61	
DISSOLVED O_2 (mg/L)	9.89	9.81	9.71	
TOTAL SUSPENDED SOLIDS (mg/L)	2.8	ND	11.6	
Ballona Creek Reach 112 North	**12/9/2024**			
LATITUDE (approx.)	33.986765	33.984031	33.98031	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	For Monday 12/09, I arrived at 0650 to perform post water quality sampling and monitoring for Upper Ballona Creek Reach 112 South Side. Contractor finished all vegetation removal from the north side of the channel and the BMP was removed. Steady low flow of water inside the channel. Between 0658 to 0719 samples were collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 12/09 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 12/10.
ELEVATION (approx.)	6	6	6	
TIME	6:58	7:10	7:19	
SAMPLE NO.	BCNS-1	BCNS-2	BCNS-3	
TEMPERATURE (°C)	23.1	18	17.9	
pH	7.09	7.55	7.25	
TURBIDITY (NTUs)	5.91	2.5	0.87	
DISSOLVED O_2 (mg/L)	10	9.79	9.93	
TOTAL SUSPENDED SOLIDS (mg/L)	7.2	5.8	ND	

Ballona Creek Reach 112 South	**10/29/2024**			
LATITUDE (approx.)	33.986641	33.984285	33.980196	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	For Tuesday 10/29, Technician arrived on-site at 1027 and met with Chuck Hildago to perform baseline water quality sampling and monitoring for Upper Ballona Creek Reach 12 South Side. Entered through the south side double gate doors off of Centinela Ave into the levee above the channel. Baseline was done six (6) days prior to start date. Water level was normal throughout the channel. During sampling I noticed lots of ducks, vegetation and trash inside the channel. Between 1036 to 1050 samples were collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Tuesday 10/29 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/30. From a water quality standpoint, project is “good to go” for start on Monday 11/04.
ELEVATION (approx.)	5	5	5	
TIME	10:36	10:42	10:50	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	19.6	18.1	17.5	
pH	7.93	7.8	7.64	
TURBIDITY (NTUs)	5.45	2.85	2.55	
DISSOLVED O_2 (mg/L)	9.5	9.64	9.71	
TOTAL SUSPENDED SOLIDS (mg/L)	13.2	6.4	3	

Ballona Creek Reach 112 South	**11/5/2024**			
LATITUDE (approx.)	33.986641	33.984285	33.980196	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	For Tuesday 11/05, 2nd day of field work, Technician arrived at 0930 and met with Max Dizon from Stormwater Maintenance 83rd Yard to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 South Side. Due to a scheduling conflict, I was unable to perform water sampling on the first day of work. BMP are placed along the channel (photo attached). Field crew continue to remove vegetation at the edge of slope by the channel. Water level was normal and POSMOS representative was on-site. There were lots of vegetation, debris and ducks in the vegetation. Between 1136 to 1200 samples were collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Tuesday 11/05 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/06.
ELEVATION (approx.)	5	5	5	
TIME	9:50	9:35	9:42	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	17.3	16.8	16	
pH	7.73	7.7	7.5	
TURBIDITY (NTUs)	9.57	4.81	5.31	
DISSOLVED O_2 (mg/L)	10.03	9.98	9.83	
TOTAL SUSPENDED SOLIDS (mg/L)	10.2	4.2	3.6	
Ballona Creek Reach 112 South	**11/6/2024**			
LATITUDE (approx.)	33.986641	33.984285	33.980196	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	For Wednesday 11/06, 3rd day of field work, Technician arrived at 1100 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 South Side. BMP are placed along the channel. Field crew continue to remove vegetation at the edge of slope by the channel and are at the midpoint between the upstream and internal points. Water level was normal and POSMOS representative was on-site. There were lots of vegetation, debris and ducks in the vegetation. Turbidity readings was slightly high at the downstream due to lots of vegetation floating in the water as well as ducks in the water. Between 1110 to 1128 samples were collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 11/06 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/07.
ELEVATION (approx.)	5	5	5	
TIME	11:28	11:10	11:20	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	17.3	17.5	18.3	
pH	8.09	8.01	7.95	
TURBIDITY (NTUs)	3.08	3.2	6.19	
DISSOLVED O_2 (mg/L)	9.9	9.9	9.98	
TOTAL SUSPENDED SOLIDS (mg/L)	9.6	12.8	4.4	
Ballona Creek Reach 112 South	**11/7/2024**			
LATITUDE (approx.)	33.986641	33.984285	33.980196	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	For Thursday 11/07, 4th day of field work Technician arrived at 11:05 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 South Side. BMP are placed along the channel. Field crew continue to remove vegetation at the edge of slope by the channel and are at the midpoint between the upstream and internal points. Machine work was trying to get what I can reach with high tide. Water level was high and POSMOS representative was on-site. There were lots of vegetation, debris and ducks in the water around the vegetation. Between 1115 to 1135 samples were collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 11/07 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/08.
ELEVATION (approx.)	5	5	5	
TIME	11:35	11:27	11:15	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	17.04	14.85	14.55	
pH	9.67	8.2	7.47	
TURBIDITY (NTUs)	3.31	2.75	2.26	
DISSOLVED O_2 (mg/L)	9.56	9.33	9.14	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	ND	ND	
Ballona Creek Reach 112 South	**11/8/2024**			
LATITUDE (approx.)	33.986641	33.984285	33.980196	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	For Friday 11/08, 5th day of field work, Technician arrived at 0914 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 South Side. BMP are placed along the channel. Field crew continue to remove vegetation at the edge of slope by the channel and are at the midpoint between the upstream and internal points. Water level was low and POSMOS representative was on-site. There were lots of vegetation, debris and ducks in the water around the vegetation. Between 0917 to 932 samples were collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 11/08 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/12.
ELEVATION (approx.)	5	5	5	
TIME	9:32	9:17	9:22	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	15.9	14.4	14.6	
pH	7.74	7.38	7.48	
TURBIDITY (NTUs)	3.05	1.99	3.3	
DISSOLVED O_2 (mg/L)	9.96	9.8	9.6	
TOTAL SUSPENDED SOLIDS (mg/L)	5	10.6	4.2	
Ballona Creek Reach 112 South	**11/13/2024**			
LATITUDE (approx.)	33.986641	33.984285	33.980196	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	For Wednesday 11/13, 7th day of field work, Technician arrived at 08:30 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 South Side. Due to scheduling conflict we were unable to send technician for 6th day. There were lots of vegetation debris buildup at the internal sampling point and ducks in the water around the BMP.
ELEVATION (approx.)	5	5	5	
TIME	9:00	8:50	8:40	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	

TEMPERATURE (°C)	11.76	12.53	12.31	Between 0840 to 900 samples were collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 11/13 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/14.
pH	6.4	8.6	8.32	
TURBIDITY (NTUs)	5.25	7.55	5.26	
DISSOLVED O_2 (mg/L)	9.21	9.11	9.81	
TOTAL SUSPENDED SOLIDS (mg/L)	6.4	7.6	3.8	
Ballona Creek Reach 112 South	**11/22/2024**			
LATITUDE (approx.)	33.986641	33.984285	33.980196	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	For Friday 11/22, Technician arrived at 0855 to perform post water quality sampling and monitoring for Upper Ballona Creek Reach 112 South Side. Ocean Blue removed the BMP and field work was completed. Water level was low. There were some debris and ducks in the channel. Between 0900 to 0920 samples were collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 11/22 on 24-hour TAT. Results for TSS will be available Monday afternoon, 11/25.
ELEVATION (approx.)	5	5	5	
TIME	9:20	9:10	9:00	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	15.7	13.7	14.2	
pH	7.75	8.02	7.46	
TURBIDITY (NTUs)	2.82	1.37	1.7	
DISSOLVED O_2 (mg/L)	10.01	9.82	9.68	
TOTAL SUSPENDED SOLIDS (mg/L)	5.8	ND	3.2	

Compton Creek Reach 24	**9/10/2024**			
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.2159757	-118.213448	-118.2041057	For Tuesday, 09/10 – Technician arrived on the jobsite at 0730 met with Carlos Varela and Carlos Avila from Stormwater Maintenance Imperial Yard and performed pre-work baseline monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. The water flow was high and very visible from both levee and bike trail locations. There was bad odor coming from all three (3) sampling points. Both Carlos Varela and Carlos Avila cut a pathway for easy access for water sampling at the internal sampling point. Baseline monitoring and sampling was performed six (6) days prior of cleanout start date. Between 734 and 0809, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Tuesday 09/10 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 09/11. From a water quality standpoint, project is "good to go" for start on Monday 09/16.
ELEVATION (approx.)	26	94	25	
TIME	8:09	8:00	7:34	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	23.1	22.7	22.6	
pH	6.86	7.31	7.21	
TURBIDITY (NTUs)	24.4	32.5	7.54	
DISSOLVED O_2 (mg/L)	9.01	9.45	9.61	
TOTAL SUSPENDED SOLIDS (mg/L)	2.4	38.8	6.6	
Compton Creek Reach 24	**9/16/20204**			
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.2159757	-118.213448	-118.2041057	For 09/16 – 1st day of field work, Technician arrived on the jobsite at 0850 and met with Carlos Varela to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. Field crew were mobilizing inside the Compton Creek and some vegetation removal did start on the north side of channel just south of the train bridge. BPMs were placed at the downstream point on the concrete line (photo attached). There was a very strong odor at the downstream sampling point. Water flow was steady at all three (3) points. Between 0855 and 0940, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 9/16 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/17.
ELEVATION (approx.)	26	94	25	
TIME	8:55	9:20	9:40	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	21.5	21.2	20.9	
pH	9.1	14	2.9	
TURBIDITY (NTUs)	20.7	14	2.9	
DISSOLVED O_2 (mg/L)	9.98	9.94	9.68	
TOTAL SUSPENDED SOLIDS (mg/L)	19.6	15.6	3	
Compton Creek Reach 24	**9/17/2024**			
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.2159757	-118.213448	-118.2041057	For Tuesday 09/17 – 2nd day of field work, Technician arrived on the jobsite at 0818 and met with Carlos Varela to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. Field crew were mobilizing inside the Compton Creek and some vegetation removal did start on the north side of channel just south of the train bridge. BPMs are still in place placed at the downstream point on the concrete line. There was a very strong odor and lots of ducks at the upstream sampling point. Water flow was steady at all three (3) points. Turbidity readings were slightly high at the internal sampling points due to lots if vegetation in the water. Between 0820 and 0855, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Tuesday 9/17 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 09/18. I informed Rodney Nungaray , field crew leader from Imperial Yard about the turbidity readings.
ELEVATION (approx.)	26	94	25	
TIME	8:20	8:45	8:55	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	20.6	20.4	20.7	
pH	8.76	8.49	7.57	
TURBIDITY (NTUs)	25.7	38.2	6.61	
DISSOLVED O_2 (mg/L)	9.69	9.87	9.54	

TOTAL SUSPENDED SOLIDS (mg/L)	ND	70.2	14	
Compton Creek Reach 24	**9/18/2024**			
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.2159757	-118.213448	-118.2041057	For Wednesday 09/18 – 3rd day of field work, Technician arrived on the jobsite at 0745 and met with Carlos Varela to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. Field crew continue to remove vegetation on the north side of Compton Creek. BPMs are still in place placed at the downstream point on the concrete line. There was a light odor from the upstream point. Water flow was steady at all three (3) points. Between 0756 and 0829, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 9/18 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 09/19.
ELEVATION (approx.)	26	94	25	
TIME	7:56	8:10	8:29	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	19.4	20.1	19.8	
pH	8.64	8.24	7.75	
TURBIDITY (NTUs)	28.3	12.8	2.65	
DISSOLVED O_2 (mg/L)	9.27	9.78	9.3	
TOTAL SUSPENDED SOLIDS (mg/L)	2.6	9.2	3	
Compton Creek Reach 24	**9/19/2024**			
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.2159757	-118.213448	-118.2041057	For Thursday 09/19 – 4th day of field work, Technician arrived on the jobsite at 0755 and met with Carlos Varela to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. Field crew continue to remove vegetation on the north side of Compton Creek. The a good portion of the vegetation has been removed from the north side of Compton Creek. BPMs are still in place placed at the downstream point on the concrete line. Water flow was steady at all three (3) points. Between 0805 and 0840, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 9/19 on 24-hour TAT. Results for TSS will be available Friday afternoon, 09/20.
ELEVATION (approx.)	26	94	25	
TIME	8:05	8:16	8:40	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	20.6	20.4	19.9	
pH	8.35	7.74	7.76	
TURBIDITY (NTUs)	34.8	11.6	2.54	
DISSOLVED O_2 (mg/L)	9.9	9.63	9.74	
TOTAL SUSPENDED SOLIDS (mg/L)	2.4	6.6	ND	
Compton Creek Reach 24	**9/20/2024**			
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.2159757	-118.213448	-118.2041057	For Friday 09/20 – 5th day of field work, Technician arrived on the jobsite at 0755 and met with Robert Saldana to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. Field crew continue to remove vegetation on the north side of Compton Creek and have reached the Santa Fe Bridge. BPMs are still in place placed at the downstream point on the concrete line. Water flow was steady at all three (3) points. Between 0805 and 0831, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 9/20 on 24-hour TAT. Results for TSS will be available Monday afternoon, 09/23.
ELEVATION (approx.)	26	94	25	
TIME	8:05	8:21	8:31	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	19.4	19.3	19	
pH	8.44	7.83	7.74	
TURBIDITY (NTUs)	40.5	13.2	1.54	
DISSOLVED O_2 (mg/L)	9.92	8.94	9.36	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	6.6	ND	
Compton Creek Reach 24	**9/21/2024**			
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.2159757	-118.213448	-118.2041057	For Saturday 09/21 – 6th day of field work, Technician arrived on the jobsite at 0800 and met with Richard Hunter from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. Field crew are now removing vegetation south of Santa Fe bridge. The majority of the vegetation cleanout is mostly completed on the north side of Santa Fe bridge. BPMs are still in place placed at the downstream point on the concrete line. Water flow was steady at all three (3) points. Between 08 and 0831, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 9/23 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/24.
ELEVATION (approx.)	26	94	25	
TIME	8:18	8:35	8:46	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	20	20.2	19.6	
pH	8.6	7.85	7.86	
TURBIDITY (NTUs)	58.8	35.6	4.71	
DISSOLVED O_2 (mg/L)	9.92	9.64	9.49	
TOTAL SUSPENDED SOLIDS (mg/L)	7.2	5.6	6.2	
Compton Creek Reach 24	**9/30/2024**			
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.2159757	-118.213448	-118.2041057	For Monday 09/30 – 13th day of field work, Technician arrived on the jobsite at 0750 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. I was unable to perform the seventh working day water quality sampling due to a work
ELEVATION (approx.)	26	94	25	
TIME	7:59	8:11	8:28	

SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	schedule conflict. Field crew have made their way down towards Del Amo bridge of Compton Creek. More than half of the Vegetation removal has been completed. BPMs are still in place placed at the downstream point on the concrete line. Turbidity readings were high at both internal and downstream sampling points due to water clarity not clear. Water flow was steady at all three (3) points. Between 0759 and 0828, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 9/30 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/01. I informed Rodney Nungaray field crew supervisor of the turbidity results.
TEMPERATURE (°C)	19.6	19.6	19.6	
pH	8.7	7.52	7.48	
TURBIDITY (NTUs)	20.1	90	60.2	
DISSOLVED O_2 (mg/L)	9.84	9.72	9.75	
TOTAL SUSPENDED SOLIDS (mg/L)	4.8	40.6	26	
Compton Creek Reach 24	**10/7/2024**			
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.2159757	-118.213448	-118.2041057	
ELEVATION (approx.)	26	94	25	For Monday 10/07 – 20th day of field work, Technician arrived on the jobsite at 0915 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. Field crew were split into two groups as one crew was working on the north side of Sanat Fe Ave while the other crew was working on the south side of Santa Fe Ave. Most of the vegetation has been removed and now both crews are working vegetation removal inside the creek. BPMs are still in place placed at the downstream point on the concrete line. The water flow at the internal sampling point was light pink and had a very strong odor. Turbidity readings were high at both internal and downstream sampling points. Between 0920 and 1000, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 10/07 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/08. I informed Rodney Nungaray field crew supervisor of the turbidity results.
TIME	9:20	9:45	10:00	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	21.3	21.1	21.7	
pH	8.33	7.97	7.35	
TURBIDITY (NTUs)	10.43	80	34.6	
DISSOLVED O_2 (mg/L)	9.52	9.51	9.55	
TOTAL SUSPENDED SOLIDS (mg/L)	3.8	20.4	5.8	
Compton Creek Reach 24	**10/21/2024**			
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.2159757	-118.213448	-118.2041057	
ELEVATION (approx.)	26	94	25	For Monday 10/21 – 32nd day of field work, Technician arrived on the jobsite at 0800 and met with Evan Tillett from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. There was no weekly water sampling done on 10/14/24 due to Indigenous Federal Holiday. Field crew have completed over 80 percent of the vegetation removal across the Compton Creek and are still working south of Del Amo Bridge. BPMs are still in place placed at the downstream point on the concrete line. There was odor and the water not being very clear coming from both the internal and downstream sampling point. Turbidity readings were high at both internal and downstream sampling points. Between 0805 and 0830, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 10/21 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/22. I informed Evan Tillett of the turbidity results.
TIME	8:05	8:15	8:30	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	23.2	21.5	19.8	
pH	8.09	8.45	8.72	
TURBIDITY (NTUs)	2.02	61.2	38.6	
DISSOLVED O_2 (mg/L)	9.74	9.9	9.21	
TOTAL SUSPENDED SOLIDS (mg/L)	16	10	19.2	
Compton Creek Reach 24	**10/28/2024**			
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.2159757	-118.213448	-118.2041057	
ELEVATION (approx.)	26	94	25	For Monday 10/28 – Technician arrived on the jobsite at 0700 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform post water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. All BPMs were removed and field crew completed all vegetation removals last week. Metro installed a scaffold underneath the railroad bridge for some improvements on the rail way. Between 0705 and 0730, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 10/28 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/29.
TIME	7:05	7:16	7:30	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	22	20	19	
pH	7.86	8.2	8.15	
TURBIDITY (NTUs)	37.7	29.3	36.7	
DISSOLVED O_2 (mg/L)	9.33	9.47	9.1	
TOTAL SUSPENDED SOLIDS (mg/L)	6	2.8	5.2	

Los Angeles River Reach 114	**10/24/2024**			
LATITUDE (approx.)	33.790323	33.787342	33.782763	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	
ELEVATION (approx.)	6	6	5	For Thursday, 10/24 – Technician arrived on the jobsite at 0815am met with Carlos Varlea from Stormwater Maintenance Imperial Yard and performed baseline water quality monitoring and sampling at upstream, internal, and downstream points at the Los Angeles River Reach 114 West. There were lots of homeless encampments on the west side of the levee, so I had to work around so I would not disturb encampments. Baseline monitoring and sampling was performed one (1) day prior of cleanout start date. Between 00819 and 0900, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 10/24 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/25. From a water quality standpoint, project is "good to go" for start on Friday 10/25
TIME	9:00	8:26	8:19	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	20.4	19.4	18.9	
pH	7.6	8.5	8.04	
TURBIDITY (NTUs)	2.9	6	3.57	

DISSOLVED O_2 (mg/L)	9.23	9.19	9.2	project is "good to go" for start on Friday 10/25.
TOTAL SUSPENDED SOLIDS (mg/L)	6.2	15.8	3.2	
Los Angeles River Reach 114	**10/25/2024**			
LATITUDE (approx.)	33.790323	33.787342	33.782763	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	For Friday 10/25 – 1st day of field work, Technician arrived on the jobsite at 0800 met with Gilbert Ulloa from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Los Angeles River Reach 114 West. Field crew have begun mobilizing on the north end by PCH bridge to commence vegetation removal. There is still homeless presence as well as trash on the west side of the access road. Between 0805 and 0835, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 10/25 on 24-hour TAT. Results for TSS will be available Monday afternoon, 10/28.
ELEVATION (approx.)	6	6	5	
TIME	8:35	8:22	8:05	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	21	20.2	19.8	
pH	8.03	8.1	8.87	
TURBIDITY (NTUs)	3.35	2.67	2.47	
DISSOLVED O_2 (mg/L)	10.01	9.92	9.99	
TOTAL SUSPENDED SOLIDS (mg/L)	8.2	5	3.4	
Los Angeles River Reach 114	**10/26/2024**			
LATITUDE (approx.)	33.790323	33.787342	33.782763	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	For Saturday 10/26 – 2nd day of field work, Technician arrived on the jobsite at 0810 met with Gilbert Ulloa from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Los Angeles River Reach 114 West. Field crew continue to remove vegetation inside the channel between the upstream and internal points. There is still homeless presence as well as trash on the west side of the access road. Turbidity readings was slightly high at the internal sampling point due to water clarity not being clear as well as both vegetation floating and ducks in the water. Between 0820 and 0845, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 10/26 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/28.
ELEVATION (approx.)	6	6	5	
TIME	8:45	8:35	8:20	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	22.9	21.2	20.6	
pH	7.28	8.06	8.09	
TURBIDITY (NTUs)	2.54	3.61	3.01	
DISSOLVED O_2 (mg/L)	9.14	9.23	9.28	
TOTAL SUSPENDED SOLIDS (mg/L)	5.6	9.4	6.4	
Los Angeles River Reach 114	**10/28/2024**			
LATITUDE (approx.)	33.790323	33.787342	33.782763	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	For Monday 10/28 – 3rd day of field work, Technician arrived on the jobsite at 0800 met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Los Angeles River Reach 114 West. Field crew continue to remove vegetation inside the channel between the upstream and internal points as well as the channel edges by the water flow. Homeless presence as well as trash on the west side of the access road. Between 0805 and 0839, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 10/28 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/29.
ELEVATION (approx.)	6	6	6	
TIME	8:39	8:25	8:05	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	19.6	18.5	18.9	
pH	7.51	7.54	8.59	
TURBIDITY (NTUs)	2.63	2.87	2.74	
DISSOLVED O_2 (mg/L)	9.25	9.41	9.44	
TOTAL SUSPENDED SOLIDS (mg/L)	5	6.6	3.6	
Los Angeles River Reach 114	**10/29/2024**			
LATITUDE (approx.)	33.790323	33.787342	33.782763	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	For Tuesday 10/29 – 4th day of field work, Technician arrived on the jobsite at 0800 met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Los Angeles River Reach 114 West. Field crew have cleared the majority of the vegetation on the flat surface inside the channel. Homeless presence as well as trash on the west side of the access road. Turbidity readings were slightly high at both internal and downstream sampling points due to lots of ducks and vegetation floating around the water channel. Between 0805 and 0830, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Tuesday 10/29 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/30. I informed Rodney Nungaray of the turbidity readings.
ELEVATION (approx.)	6	6	6	
TIME	8:30	8:16	8:05	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	18.2	18.2	17.8	
pH	7.38	8.49	8.31	
TURBIDITY (NTUs)	5.62	10.29	14.8	
DISSOLVED O_2 (mg/L)	9.71	9.61	9.6	
TOTAL SUSPENDED SOLIDS (mg/L)	8.4	13.8	18.8	
Los Angeles River Reach 114	**10/30/2024**			
LATITUDE (approx.)	33.790323	33.787342	33.782763	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	
ELEVATION (approx.)	6	6	6	

TIME	8:26	8:16	8:07	For Wednesday 10/30 – 5th day of field work, Technician arrived on the jobsite at 0800 met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Los Angeles River Reach 114 West. Field crew have cleared all vegetation on the flat surface of the channel and are now working on the rip-rap slope. Homeless presence as well as trash on the west side of the access road. Between 0807 and 0826, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 10/30 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/31.
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	20.8	19.4	18.4	
pH	7.55	7.62	7.81	
TURBIDITY (NTUs)	3.14	3.06	2.47	
DISSOLVED O_2 (mg/L)	10	9.96	9.9	
TOTAL SUSPENDED SOLIDS (mg/L)	6.4	7.4	3.4	
Los Angeles River Reach 114	**10/31/2024**			
LATITUDE (approx.)	33.790323	33.787342	33.782763	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	For Thursday 10/31 – 6th day of field work, Technician arrived on the jobsite at 0855 met with Carlos Avila from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Los Angeles River Reach 114 West. Field crew continue to work on the rip-rap slope. Homeless presence as well as trash on the west side of the access road. There were also lots of debris on the rip-rap slope left behind by the homeless. Between 0859 and 0919, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 10/31 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/01.
ELEVATION (approx.)	6	6	6	
TIME	9:19	9:09	9:05	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	16.9	17	17.1	
pH	8.21	8.41	8.55	
TURBIDITY (NTUs)	11.3	5.97	3.35	
DISSOLVED O_2 (mg/L)	9.66	9.39	9.75	
TOTAL SUSPENDED SOLIDS (mg/L)	7.4	11.6	3.2	
Los Angeles River Reach 114	**11/1/2024**			
LATITUDE (approx.)	33.790323	33.787342	33.782763	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	For Friday 11/01 – 7th day of field work, Technician arrived on the jobsite at 0848 met with Ruben Alaniz from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Los Angeles River Reach 114 West. Field crew continue to work on the rip-rap slope. Homeless presence as well as trash on the west side of the access road. There were also lots of debris on the rip-rap slope left behind by the homeless. Turbidity was slightly high at both the internal and downstream points due to debris, vegetation floating on the water surface and ducks inside the channel. Between 0855 and 0919, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 11/01 on 24-hour TAT. Results for TSS will be available Monday afternoon, 11/04. I informed Evan Tillet about the turbidity readings. GMEDF will now transition to weekly water quality sampling.
ELEVATION (approx.)	6	6	6	
TIME	9:19	9:07	8:55	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	19.4	18	17.7	
pH	7.7	7.48	7.39	
TURBIDITY (NTUs)	1.91	2.86	2.47	
DISSOLVED O_2 (mg/L)	9.89	9.83	9.8	
TOTAL SUSPENDED SOLIDS (mg/L)	4.4	7	4.8	
Los Angeles River Reach 114	**11/7/2024**			
LATITUDE (approx.)	33.790323	33.787342	33.782763	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	For Thursday 11/07 – 12th day of field work, Technician arrived on the jobsite at 09:25 met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Los Angeles River Reach 114 West. Field crew continue to work on the rip-rap slope and on the walk way at the top. Homeless presence as well as trash on the west side of the access road still present. There were also lots of debris on the rip-rap slope. Turbidity was slightly high at the internal points due to debris, vegetation floating on the water surface as well as ducks and seagulls inside the channel. Between 0930 and 10:05, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 11/07 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/08.
ELEVATION (approx.)	6	6	6	
TIME	9:30	9:45	10:05	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	15.58	16.76	16.98	
pH	8.24	8.88	8.99	
TURBIDITY (NTUs)	3.27	5.01	3.52	
DISSOLVED O_2 (mg/L)	9.61	9.06	9.84	
TOTAL SUSPENDED SOLIDS (mg/L)	4	23.8	4.8	
Los Angeles River Reach 114	**11/11/2024**			
LATITUDE (approx.)	33.790323	33.787342	33.782763	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	For Wednesday 11/11 - Technician arrived on the jobsite at 0650 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform post water quality monitoring and sampling at upstream, internal, and dowstream points at the Los Angeles River Reach 114 West. Field crew have completed all vegetation cleanout inside the channel. Homeless presence as well as trash on the west side is still on the access road still present. Turbidity was slightly high at the downstream sampling point due to vegetation floating on the water surface as well as ducks and seagulls inside the channel. Between 0655 and 0715, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 12/11 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 12/12.
ELEVATION (approx.)	6	6	6	
TIME	6:55	7:05	7:15	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	19.5	15.4	15.7	
pH	7.61	7.42	7.72	
TURBIDITY (NTUs)	3.26	3.68	5.64	
DISSOLVED O_2 (mg/L)	9.84	9.99	10.01	

TOTAL SUSPENDED SOLIDS (mg/L)	8.6	10.4	25.4	

Los Angeles River Reach 25 East	**10/31/2024**			
LATITUDE (approx.)	33.803965	33.800976	33.79033	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Thursday 10/31, Technician arrived at 0815 on-site and met with Carlos Avila from Stormwater Maintenance Imperial Yard to perform baseline water quality monitoring and sampling at the Los Angeles River Reach 25 East. K-rings were placed underneath on the east side of Willow Bridge to divert the water flow in the middle of the channel. Water current was steady. There were lots of ducks and debris in the channel. Baseline was done one (1) day before start date. Between 0822 and 0835, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 10/31 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/01. From a water quality standpoint, project is “good to go” for start on Friday 11/01.
ELEVATION (approx.)	7	3	3	
TIME	8:22	8:14	8:35	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	17.2	15.4	14.7	
pH	7.36	7.8	7.69	
TURBIDITY (NTUs)	29.7	5.43	4.95	
DISSOLVED O_2 (mg/L)	9.63	9.5	9.78	
TOTAL SUSPENDED SOLIDS (mg/L)	87.4	9.4	7.8	
Los Angeles River Reach 25 East	**11/1/2024**			
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Friday 11/01, 1st day of field operations, Technician arrived 0755 on-site and met with Ruben Alaniz from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at the Los Angeles River Reach 25 East. K-railings are placed on the east side of the channel underneath Willow Bridge. Field crew were mobilizing to prepare for removing vegetation on the surface of the channel. Water flow was steady. Water was not clear as well as s good presence ducks and debris across the channel. Turbidity readings were slightly high at the internal due to water clarity and debris inside ethe channel. Between 0805 and 0827, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 11/01 on 24-hour TAT. Results for TSS will be available Monday afternoon, 11/04.
ELEVATION (approx.)	7	3	3	
TIME	8:15	8:05	8:27	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	23.5	20.1	17.8	
pH	7.46	7.08	7.06	
TURBIDITY (NTUs)	2.59	3.83	2.07	
DISSOLVED O_2 (mg/L)	9.92	9.53	9.73	
TOTAL SUSPENDED SOLIDS (mg/L)	14.8	6.8	4.4	
Los Angeles River Reach 25 East	**11/2/2024**			
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Saturday 11/02, 2nd day of field operations, Technician arrived 0800 on-site and met with Gilbert Ulloa from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at the Los Angeles River Reach 25 East. K-railings are placed on the east side of the channel underneath Willow Bridge. Field crew continue to with vegetation removal on the surface of the channel. There are homeless people camped inside the channel near the gas pipe bridge. Water flow was steady. Between 0817 and 0842, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 11/04 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/05.
ELEVATION (approx.)	7	3	3	
TIME	8:17	8:32	8:42	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	20.1	18.3	17.1	
pH	8.12	8.67	7.63	
TURBIDITY (NTUs)	23.4	6.43	3.17	
DISSOLVED O_2 (mg/L)	10.04	9.25	9.5	
TOTAL SUSPENDED SOLIDS (mg/L)	114	14.6	11	
Los Angeles River Reach 25 East	**11/5/2024**			
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Tuesday 11/05, 4th day of field operations, Technician arrived 0800 on-site and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at the Los Angeles River Reach 25 East. Due to scheduling conflict, I was unable to perform water sampling the previous day. K-railings are placed on the east side of the channel underneath Willow Bridge. Field crew continue to with vegetation removal on the surface of the channel passed the internal point. There are homeless people camped inside the channel near the gas pipe bridge. Water flow was steady. Between 0805 and 0824, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Tuesday 11/05 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/06.
ELEVATION (approx.)	7	3	3	
TIME	8:15	8:05	8:24	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	21.3	17.1	16.3	
pH	7.28	7.03	7.74	
TURBIDITY (NTUs)	2.32	7.03	7.74	
DISSOLVED O_2 (mg/L)	9.91	9.9	9.81	
TOTAL SUSPENDED SOLIDS (mg/L)	8	15	5	
Los Angeles River Reach 25 East	**11/6/2024**			
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	

ELEVATION (approx.)	7	3	3	For Wednesday 11/06, 5th day of field operations, Technician arrived 0750 on-site and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at the Los Angeles River Reach 25 East. K-railings are placed on the east side of the channel underneath Willow Bridge. Field crew continue to with vegetation removal on the surface reaching the midpoint between internal and downstream sampling points. The homeless people are still camped inside the channel near the gas pipe bridge. Turbidity readings were slightly high at internal and downstream points due to lots of vegetation floating in the water as well as ducks in the water. Between 0755 and 0816, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 11/06 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/07.
TIME	8:10	7:55	8:16	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	20.3	17.1	17.3	
pH	7.35	8.01	8.08	
TURBIDITY (NTUs)	5.39	6.74	6.84	
DISSOLVED O_2 (mg/L)	9.39	9.34	9.16	
TOTAL SUSPENDED SOLIDS (mg/L)	20.2	18.8	169	
Los Angeles River Reach 25 East	**11/7/2024**			
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Thursday 11/07, 6th day of field operations, Technician arrived 0800 on-site and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at the Los Angeles River Reach 25 East. K-railings are placed on the east side of the channel underneath Willow Bridge. Field crew continue to with vegetation removal on the surface reaching the midpoint between internal and downstream sampling points. Turbidity readings were slightly high at internal points due to lots of vegetation floating in the water as well as various birds in the water. Between 0820 and 0900, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 11/07 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/08.
ELEVATION (approx.)	7	3	3	
TIME	8:20	8:40	9:00	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	16.56	16.01	15.74	
pH	8.26	8.83	8.48	
TURBIDITY (NTUs)	4.24	9.37	4.74	
DISSOLVED O_2 (mg/L)	9.4	9.06	9.1	
TOTAL SUSPENDED SOLIDS (mg/L)	8	15.6	3.2	
Los Angeles River Reach 25 East	**11/8/2024**			
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Friday 11/08, 7th day of field operations, Technician arrived 0759 on-site to perform water quality monitoring and sampling at the Los Angeles River Reach 25 East. K-railings are placed on the east side of the channel underneath Willow Bridge. Field crew are nrearing completion of the vegetation removal on the surface. There is still homeless people inside the channel. Water flow was steady. Between 0802 and 0921, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 11/08 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/12. GMED will now transition to weekly water quality sampling.
ELEVATION (approx.)	7	3	3	
TIME	8:11	8:02	8:21	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	16.2	13.9	13.2	
pH	7.16	7.12	7.11	
TURBIDITY (NTUs)	8.36	4.54	2.46	
DISSOLVED O_2 (mg/L)	10.01	9.99	9.82	
TOTAL SUSPENDED SOLIDS (mg/L)	15.4	21.6	ND	
Los Angeles River Reach 25 East	**12/19/2024**			
LATITUDE (approx.)	33.803965	33.800976	33.79033	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Thursday 12/19, Technician arrived 0655 on-site and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform post water quality monitoring and sampling at the Los Angeles River Reach 25 East. K-railings are placed on the east side of the channel underneath Willow Bridge. Field crew completed all the vegetation removal throughout the channel and K-railings were removed underneath Willow Bridge. Water flow was steady, but there were lots of debris inside the channel. Turbidity was slightly at both Internal and Downstream points due to debris and ducks in the water. Between 0703 and 0742, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to Enthalpy Analytical for analysis of total suspended solids (TSS) on Thursday 12/19 on 24-hour TAT. Results for TSS will be available Friday afternoon, 12/20.
ELEVATION (approx.)	7	3	3	
TIME	7:03	7:20	7:42	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	19.6	16.1	14.4	
pH	7.31	7.42	7.19	
TURBIDITY (NTUs)	12.2	18.3	17.5	
DISSOLVED O_2 (mg/L)	9.4	9.5	9.6	
TOTAL SUSPENDED SOLIDS (mg/L)	19	39	31	

Los Angeles River Reach 25 West	**10/3/2024**			
LATITUDE (approx.)	33.804022	33.800921	33.790174	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Thursday 10/03, Technician arrived on-site at 0700 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform baseline water quality sampling and monitoring at Los Angeles River Reach 25 West. K-railings,bieing used as diversions, were placed on the west side of the channel just below the Willow Street Bridge. Water flow was steady throughout the channel, but there were lots of debris in the channel. All sampling points were down in the channel going down the rip-rap slope into the channel. Baseline was done seven (7) days prior to start date. Between 0706 and 0740, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	7:06	7:23	7:40	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	20.4	19.8	19.6	

pH	8.68	8.36	8.52	done seven (7) days prior to start date. Between 0706 and 0740, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 10/03 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/04. From a water quality standpoint, project is "good to go" for start on Thursday 10/10.
TURBIDITY (NTUs)	6.58	4.12	2.52	
DISSOLVED O_2 (mg/L)	9.18	9.45	9.49	
TOTAL SUSPENDED SOLIDS (mg/L)	21.2	11.4	3	
Los Angeles River Reach 25 West	**10/10/2024**			
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Thursday 10/10, 1st day of field work, Technician arrived on-site at 0745 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. K-railings were placed below the Willow Street bridge for water diversion. There were not many homeless on the access levee. Water flow was steady throughout the channel, but there were lots of debris in the channel. All sampling points were down in the channel going down the rip-rap slope into the channel. Lots of birds, ducks, and vegetation inside the channel. Turbidity was slightly high at both internal and downstream sampling points due lots of vegetation. Between 0800 and 0825, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 10/10 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/11.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	8:25	8:15	8:00	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	21.3	20.5	19.1	
pH	7.83	8.54	8.23	
TURBIDITY (NTUs)	3.06	4.28	4.72	
DISSOLVED O_2 (mg/L)	9.72	9.43	9.5	
TOTAL SUSPENDED SOLIDS (mg/L)	7.8	8.4	9.4	
Los Angeles River Reach 25 West	**10/11/2024**			
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Friday 10/11, 2nd day of field work, Technician arrived on-site at 0745 and met with Rubin Alaniz from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. K-railings are still placed below the Willow Street bridge for water diversion. No homeless occupying the west side of the channel on the access road. Water flow was steady throughout the channel, but there were lots of debris in the channel. There are still lots of birds, ducks, and vegetation inside the channel. Between 0801 and 0824, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 10/11 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/15.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	8:24	8:13	8:01	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	21.9	20.7	19.9	
pH	7.2	8.23	8.26	
TURBIDITY (NTUs)	5.35	3.94	2.44	
DISSOLVED O_2 (mg/L)	9.66	9.43	9.66	
TOTAL SUSPENDED SOLIDS (mg/L)	18	9.6	2.6	
Los Angeles River Reach 25 West	**10/12/2024**			
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Saturday 10/12, 3rd day of field work, Technician arrived on-site at 0755 and met with Gilbert Ulloa from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. K-railings are still placed below the Willow Street bridge for water diversion. More heavy equipment will be brought in for the vegetation removal inside the channel. No homeless occupying the west side of the channel on the access road. Water flow was steady throughout the channel, but there were lots of debris in the channel. There are still lots of birds, ducks, and vegetation inside the channel. Between 0805 and 0833, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Tuesday 10/15 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/16.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	8:33	8:16	8:05	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	21.3	20.8	19.6	
pH	7.91	7.92	7.93	
TURBIDITY (NTUs)	5.88	4.71	3.02	
DISSOLVED O_2 (mg/L)	9.98	9.23	9.55	
TOTAL SUSPENDED SOLIDS (mg/L)	41	31.2	3.8	
Los Angeles River Reach 25 West	**10/16/2024**			
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Wednesday 10/16, 5th day of field work, Techncian arrived on-site at 0755 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. Due to work scheduling, I was unable to perform water quality sampling yesterday (10/15/2024). K-railings are still placed below the Willow Street bridge for water diversion. Field crew continue to remove vegetation by the Willow Bridge. No homeless occupying the west side of the channel on the access road. Water tide was high as water did reach the bottom portion of the rip-rap rocks. However flow was steady throughout the channel, but there were lots of debris in the channel. There are still lots of birds, ducks, and vegetation inside the channel. Between 0800 and 0825, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 10/16 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/17.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	8:25	8:15	8:00	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	22.1	20.2	20.2	
pH	8.59	8.16	8	
TURBIDITY (NTUs)	4.74	4.29	3.16	
DISSOLVED O_2 (mg/L)	9.95	9.81	9.66	
TOTAL SUSPENDED SOLIDS (mg/L)	12.4	13.4	4.6	
Los Angeles River Reach 25 West	**10/18/2024**			
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results

LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Friday 10/18, 7th day of field work, Technician arrived on-site at 0755 and met with both Ethan Tillet and Jose Hernandez from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. Due to a personal matter, I was unable to perform water quality sampling yesterday (10/17/2024). K-railings are still placed below the Willow Street bridge for water diversion. Field crew continue to remove vegetation by the Willow Bridge. No homeless occupying the west side of the channel on the access road. I noticed a heavy amount of debris left by the homeless by the internal sampling point as well as the debris scatted around inside the channel. Water tide was high as water did reach the bottom portion of the rip-rap rocks. However flow was steady throughout the channel. Turbidity reading was slightly high at the internal sampling point due to the heavy debris and vegetation inside the water flow Between 0806 and 0830, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 10/18 on 24-hour TAT. Results for TSS will be available Monday afternoon, 10/21. I informed Evan Tillet of the turbidity readings. GMED will now transition to weekly water quality sampling.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	8:30	8:20	8:06	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	20.7	19.8	17.9	
pH	8.96	8.77	8.49	
TURBIDITY (NTUs)	3.03	8.31	3.33	
DISSOLVED O_2 (mg/L)	9.9	9.8	9.71	
TOTAL SUSPENDED SOLIDS (mg/L)	4.8	7.6	7.6	
Los Angeles River Reach 25 West	**10/24/2024**			
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Thursday 10/24, 12th day of field work, Technician arrived on-site at 0902 and met with Carlos from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. K-railings are still placed below the Willow Street bridge for water diversion. The vegetation on the flat art of the channel has been completed and field crew continue to removing vegetation from the rip-rap slope portion between Willow Bridge and the gas pipe line bridge. Water tide still continues to be a little high as water but not like how it was last week. Turbidity reading was slightly high at the internal sampling point due to the heavy debris and vegetation inside the water flow Between 0903 and 0940, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 10/24 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/25. I informed Rodney Nungaray of the turbidity readings.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	9:40	9:25	9:03	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	19.3	20.2	20.5	
pH	8.09	8.3	7.61	
TURBIDITY (NTUs)	4.68	8.15	2.89	
DISSOLVED O_2 (mg/L)	9.45	9.14	9.23	
TOTAL SUSPENDED SOLIDS (mg/L)	9	29.4	6.4	
Los Angeles River Reach 25 West	**10/31/2024**			
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Thursday 10/31, 18th day of field work, Technician arrived on-site at 0920 and met with Carlos Avila from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. K-railings are still placed below the Willow Street bridge for water diversion. Field crew are working at the half way point between the internal and downstream points. Water flow was steady throughout the channel. I spotted lots of debris inside the channel and along the slope left by the homeless people. Between 0920 and , collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 10/31 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/01.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	10:08	9:55	9:20	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	18	18.2	17	
pH	8.03	7.66	8.21	
TURBIDITY (NTUs)	6.6	4.57	4.44	
DISSOLVED O_2 (mg/L)	9.64	9.82	9.44	
TOTAL SUSPENDED SOLIDS (mg/L)	14.4	6.8	6.8	
Los Angeles River Reach 25 West	**11/13/2024**			
LATITUDE (approx.)	33.804022	33.800921	33.790174	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Wednesday 11/13, Technician arrived on-site at 0650 and met with Carlos Avila from Stormwater Maintenance Imperial Yard to perform post water quality sampling and monitoring at Los Angeles River Reach 25 West. Field crew have completed all vegetation removal throughout the channel. Water level was high as waters reached near the rip rap rocks of the channel. Water flow was steady. There were homeless encampments by the PCH bridge. Between 0655 and 0719, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 11/13 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/14.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	7:19	7:09	6:55	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	14.1	15.9	14.2	
pH	8.77	7.22	7.88	
TURBIDITY (NTUs)	9.86	3.33	2.59	
DISSOLVED O_2 (mg/L)	9.41	9.56	9.82	
TOTAL SUSPENDED SOLIDS (mg/L)	56.2	5.6	21.6	

Project 74 Reach 26	**9/10/2024**			
LATITUDE (approx.)	33.874239	33.872023	33.871242	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For Tuesday, 09/10 – Technician arrived on-site at 0855 performed baseline water quality sampling at upstream, internal, and downstream points at the Project 74 Reach 26. Water flow was very steady and clear. Baseline was done four (4) days before start date. Between 0738 and 0755, collected and recorded water quality parameters of temperature, pH
ELEVATION (approx.)	10	10	7	
TIME	9:01	8:53	8:56	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	

TEMPERATURE (°C)	22.1	22.4	22.5	flow was very steady and clear. Baseline was done four (4) days before start date. Between 0738 and 0755, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Tuesday 09/10 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 09/11. From a water quality standpoint, project is "good to go" for Monday 09/16 start date.
pH	7.92	7.87	7.59	
TURBIDITY (NTUs)	5.9	16.6	3.95	
DISSOLVED O_2 (mg/L)	10	9.31	9.26	
TOTAL SUSPENDED SOLIDS (mg/L)	12	7.2	9.8	
Project 74 Reach 26	**9/16/2024**			
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For Monday 09/16 – 1st day of field work, Technician arrived on-site at 0906 and met Ruben Barajas from Stormwater Maintenance 83rd Yard and performed water quality sampling at upstream, internal, and downstream points at the Project 74 Reach 26. BMPs were placed at the upstream and internal sampling points (photos attached). Field crew have started to remove vegetation inside the channel. Water was clear and flowing steadily. Turbidity reading was slightly high at the internal and downstream sampling points. Water flow coming form the internal, had some minor accumulation of both debris and sediment. I informed Ruben Barajas that we will monitor the turbidity as time goes on. Between 0911 and 0923, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 09/16 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/17.
ELEVATION (approx.)	10	10	7	
TIME	9:23	9:11	9:15	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	20.7	20.9	21.2	
pH	8.67	7.74	7.94	
TURBIDITY (NTUs)	2.68	7.02	5.22	
DISSOLVED O_2 (mg/L)	9.92	9.58	9.6	
TOTAL SUSPENDED SOLIDS (mg/L)	4.6	3.2	ND	
Project 74 Reach 26	**9/17/2024**			
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For Tuesday 09/17 – 2nd day of field work, Technician arrived on-site at 0939 and met Ruben Barajas from Stormwater Maintenance 83rd Yard and performed water quality sampling at upstream, internal, and downstream points at the Project 74 Reach 26. BMPs are still placed at the upstream and internal sampling points. Field crew continue to remove vegetation inside the channel. Water was clear and flowing steadily. Turbidity reading was slightly high at the internal and downstream sampling points. There is still small debris of vegetation floating inside the water flow at the internal and downstream points. I informed Ruben Barajas that we will continue to monitor the turbidity as time goes on. Between 0940 and 0950, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Tuesday 09/17 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 09/18.
ELEVATION (approx.)	10	10	7	
TIME	9:50	9:40	9:44	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	19.2	19.7	19.6	
pH	8.69	7.78	7.76	
TURBIDITY (NTUs)	2.69	11.4	6.41	
DISSOLVED O_2 (mg/L)	9.9	9.44	9.4	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	9.2	3.4	
Project 74 Reach 26	**9/19/2024**			
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For Thursday 09/19 – 4th day of field work, Technician arrived on-site at 0921 and met Ruben Barajas from Stormwater Maintenance 83rd Yard and performed water quality sampling at upstream, internal, and downstream points at the Project 74 Reach 26. Due to a schedule conflict, I was unable to perform water sampling on 09/18/2024. I advised Ruben Barajas to place sandbags by the BMPs to bring down the turbidity readings (photo attached). Field crew continue to remove vegetation inside the channel. Water was clear and flowing steadily. Turbidity reading was slightly high at the internal and downstream sampling points. There is still small debris of vegetation floating inside the water flow at the internal and downstream points. I informed Ruben Barajas to place some more sandbags so we continue to monitor the turbidity as time goes on. Between 0923 and 0932, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Wednesday 09/18 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 09/19.
ELEVATION (approx.)	10	10	7	
TIME	9:32	9:23	9:27	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	19.7	20	19.9	
pH	8.5	7.54	7.58	
TURBIDITY (NTUs)	3.84	18.1	13	
DISSOLVED O_2 (mg/L)	9.08	9.81	9.27	
TOTAL SUSPENDED SOLIDS (mg/L)	5.8	ND	ND	
Project 74 Reach 26	**9/20/2024**			
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For Friday 09/20 – 5th day of field work, Tecnician arrived on-site at 0909 and met Ruben Barajas from Stormwater Maintenance 83rd Yard and performed water quality sampling at upstream, internal, and downstream points at the Project 74 Reach 26. Field crew placed additional sand bags at the second BMP (photo attached). Field crew continuing their vegetation removal nearing the 91 freeway exit. Water flow at the internal and downstream points were not clear. Turbidity reading was slightly high at the internal and downstream sampling points. There is still small debris of vegetation floating as well as a very light brownish color inside the water flow at the internal and downstream points. Between 0913 and 0925, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Friday 09/20 on 24-hour TAT. Results for TSS will be available Monday afternoon, 09/23.
ELEVATION (approx.)	10	10	7	
TIME	9:25	9:13	9:17	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	18.7	18.9	18.9	
pH	8.46	7.68	7.59	
TURBIDITY (NTUs)	1.92	22.7	20.4	
DISSOLVED O_2 (mg/L)	9.98	9.58	9.04	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	3.2	3.2	
Project 74 Reach 26	**9/21/2024**			

LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For Saturday 09/21 – 6th day of field work, Tecnician arrived on-site at 0906 and met Ruben Barajas from Stormwater Maintenance 83rd Yard and performed water quality sampling at upstream, internal, and downstream points at the Project 74 Reach 26. The BMPs and the sand bags are still placed inside the channel located below the Artesia Transient Center Bridge. Field crew continuing their vegetation removal nearing the 91 freeway exit. Water flow at the internal and downstream points were not clear. Turbidity reading was slightly high at the internal and downstream sampling points. I advised Ruben Barajas to monitor the water flow to know the exact location of what is causing the water quality to be hazy and to document with pictures. Between 0911 and 0928, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 09/23 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/24.
ELEVATION (approx.)	10	10	7	
TIME	9:28	9:11	9:15	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	19.2	19.2	19.1	
pH	8.31	7.85	7.62	
TURBIDITY (NTUs)	2.77	28.4	21.3	
DISSOLVED O_2 (mg/L)	9.22	9.12	9.38	
TOTAL SUSPENDED SOLIDS (mg/L)	32.6	10.8	11.2	
Project 74 Reach 26	**9/23/2024**			
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For Monday 09/23 – 7th day of field work, Technician arrived on-site at 1020 and met Ruben Barajas from Stormwater Maintenance 83rd Yard and performed water quality sampling at upstream, internal, and downstream points at the Project 74 Reach 26. The BMPs and the sand bags are still placed inside the channel located below the Artesia Transient Center Bridge. Field crew continuing their vegetation removal nearing the 91 freeway exit. Water flow at the internal and downstream points were not clear. I discussed with Ruben Barajas and he monitored the water flow throughout Reach 26 and he found the change of water clarity was mainly located at the Artesia Transient Bridge where the homeless are located for shelter. He stated he documented and took photos as well for his report. Between 1023 and 1030, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected were submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 09/23 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/24. GMED will not transition to weekly water quality sampling and monitoring.
ELEVATION (approx.)	10	10	7	
TIME	10:30	10:23	10:26	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	20.1	20.1	20.2	
pH	7.51	8.11	7.71	
TURBIDITY (NTUs)	5.42	4.99	4	
DISSOLVED O_2 (mg/L)	9.24	9.07	9.1	
TOTAL SUSPENDED SOLIDS (mg/L)	9.8	2.4	ND	
Project 74 Reach 26	**9/30/2024**			
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For Monday 09/30 – 13th day of field work, Technician arrived on-site at 0908 and met Ruben Barajas from Stormwater Maintenance 83rd Yard and performed water quality sampling at upstream, internal, and downstream points at the Project 74 Reach 26. The BMPs and the sand bags are still placed inside the channel located below the Artesia Transient Center Bridge. Field crew continuing their vegetation removal southside of 91 freeway exit. Water is still not clear at both the internal and downstream. Turbidity readings were high at both internal and downstream because of the poor water clarity. Between 0912 and 0919, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected were submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 09/30 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/01.
ELEVATION (approx.)	10	10	7	
TIME	9:19	9:12	9:15	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	19.1	18.8	18.6	
pH	6.96	7.49	7.98	
TURBIDITY (NTUs)	4.62	25.2	23.7	
DISSOLVED O_2 (mg/L)	9.7	9.27	9.31	
TOTAL SUSPENDED SOLIDS (mg/L)	8.4	7.6	9.8	
Project 74 Reach 26	**10/10/2024**			
LATITUDE (approx.)	33.874239	33.872023	33.871242	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For Thursday 10/10 – Technician arrived on-site at 0908 perform post water quality sampling at upstream, internal, and downstream points at the Project 74 Reach 26. Field crew have completed all vegetation cleanouts inside the channel and removed all BMPs. Watre still seems to be hazy at the internal and downstream sampling points. Also there were lots of debris due to the homeless in the area. Turbidity readings were high at both internal and downstream. Between 0910 and 0918, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected were submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Thursday 10/10 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/11.
ELEVATION (approx.)	10	10	7	
TIME	9:18	9:10	9:13	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	20	19.5	19.3	
pH	7.63	8.13	7.97	
TURBIDITY (NTUs)	3.79	16	12.9	
DISSOLVED O_2 (mg/L)	9.63	9.92	9.8	
TOTAL SUSPENDED SOLIDS (mg/L)	12.6	2.8	3.4	

San Gabriel River Reach 43	**9/11/2024**			
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.0561871	-118.062781	-118.0688175	For Wednesday, 09/11 – Technician arrived on the jobsite at 1025 met with Scott Chaney from Stormwater Maintenance Rio Hondo Yard and performed pre-work baseline monitoring
ELEVATION (approx.)	199	198	192	
TIME	10:31	10:41	10:54	

SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	and sampling at upstream, internal, and downstream points at the San Gabriel River Reach 43. The water flow was steady. Baseline monitoring and sampling was performed five (5) days prior of cleanout start date. Between 1031 and 1054, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 09/11 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 09/12. From a water quality standpoint, project is “good to go” for start on Monday 09/16.
TEMPERATURE (°C)	23.9	24.5	24.2	
pH	7.9	8.4	8.81	
TURBIDITY (NTUs)	5.15	5.25	6.83	
DISSOLVED O_2 (mg/L)	9.8	9.86	9.79	
TOTAL SUSPENDED SOLIDS (mg/L)	28.2	28.8	35.6	
San Gabriel River Reach 43	**9/16/2024**			
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0561871	-118.062781	-118.0688175	For September 16, 2024, 1st day of work, Technician arrived on site about 0750am and met with David Aparicio from Stormwater Maintenance Rio Hondo Yard from to evaluate surface water flow prior water sampling and monitoring. Attached is a photo of the upstream sampling of Reach 43 at the concrete outlet apron of Whittier Narrows Dam. Reach extends south to Beverly Blvd. This location was dry. Water sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 43	**9/17/2024**			
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0561871	-118.062781	-118.0688175	For September 17, 2024, 2nd day of work, Technician arrived on site about 0752am to evaluate surface water flow prior water sampling and monitoring. Field crew have begun with vegetation removal. Attached is a photo of the upstream sampling of Reach 43 at the concrete outlet apron of Whittier Narrows Dam. Reach extends south to Beverly Blvd. This location was dry. Water sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 43	**9/18/2024**			
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0561871	-118.062781	-118.0688175	For September 18, 2024, 3rd day of work, Due to an work scheduling conflict, the Techncian was unable to be on-site today, so I requested David Aparicio from Stormwater Maintenance Rio Hondo Yard to evaluate surface water flow prior water sampling and monitoring. Field crew continue to remove vegetation. Attached is a photo of the upstream sampling of Reach 43 at the concrete outlet apron of Whittier Narrows Dam. Reach extends south to Beverly Blvd. This location was dry. Water sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 43	**9/19/2024**			
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0561871	-118.062781	-118.0688175	For September 19, 2024, 4th day of work, Technician arrived on site abo1040 to evaluate surface water flow prior water sampling and monitoring. Field crew continue to remove vegetation north of San Gabriel River Parkway bridge. Attached is a photo of the upstream sampling of Reach 43 at the concrete outlet apron of Whittier Narrows Dam. Reach extends south to Beverly Blvd. This location was dry. Water sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				

San Gabriel River Reach 43	**9/20/2024**			
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0561871	-118.062781	-118.0688175	For September 20, 2024, 5th day of work, Technician arrived on site about 0700 to evaluate surface water flow prior water sampling and monitoring. Field crew continue to remove vegetation north of San Gabriel River Parkway bridge. Attached is a photo of the upstream sampling of Reach 43 at the concrete outlet apron of Whittier Narrows Dam. Reach extends south to Beverly Blvd. This location was dry. Water sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 43	**9/24/2024**			
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0561871	-118.062781	-118.0688175	For September 24, 2024, 7th day of work, Techncian arrived on site about 0700 to evaluate surface water flow prior water sampling and monitoring. Due to scheduling conflict, I was unable to water sample yesterday (09/23/24). Field crew continue to work on the west side of the channel between the narrow dam and San Gabriel River Bridge. Attached is a photo of the upstream sampling of Reach 43 at the concrete outlet apron of Whittier Narrows Dam. Reach extends south to Beverly Blvd. This location was dry. Water sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will now transition to weekly water quality monitoring and sampling.
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 43	**11/7/2024**			
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0561871	-118.062781	-118.0688175	For November 7, 2024, David “Scott” Chaney forwarded the Technician a picture of the upstream sampling point for the post water quality sampling for San Gabriel River Reach 43. The entire channel was dry throughout the work duration of vegetation clean out. The field crew have completed all work in the channel. Attached photo is the west side of the channel between the narrow dam and San Gabriel River Bridge. As shown in the photo, the concrete apron is dry. No water sampling was done because the site did not meet Regional Water Quality Control Board (RWQCB) guidelines.
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				

San Gabriel River Reach 44	**9/11/2024**			
LATITUDE (approx.)	33.9303317			Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.107166			For September 11, 2024, Technician arrived on site about 0930 to perform baseline water monitoring at San Gabriel River Reach 44. Attached is a photo of the downstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds (33.9303317,118.1071660). It is where the soft bottom channel transitions to the concrete line. As shown in the photo, the area was dry. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions From a water quality standpoint, project is “good to go” for start on Monday 09/16.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**9/16/2024**			
LATITUDE (approx.)	33.9303317			During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			
ELEVATION (approx.)				

TIME				For September 16, 2024, Technician arrived on site about 0710 to perform water monitoring at San Gabriel River Reach 44. Attached is a photo of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds. The area was dry. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**9/17/2024**			
LATITUDE (approx.)	33.9303317			During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			For September 17, 2024, Technician arrived on site about 0740 to perform water monitoring at San Gabriel River Reach 44. Field crew have begun with vegetation removal inside the channel. Attached is a photo of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds. The area was dry. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**9/18/2024**			
LATITUDE (approx.)	33.9303317			During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			For September 18, 2024, 3rd day of field work, due to a work scheduling conflict, Technician was unable to be on-site today, so I requested David Aparicio from Stormwater Maintenance Rio Hondo Yard to evaluate surface water flow prior water sampling and monitoring for San Gabriel River Reach 44. Field crew continue with vegetation removal inside the channel. Attached is a photo of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds. The area was dry. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**9/19/2024**			
LATITUDE (approx.)	33.9303317			During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			For September 19, 2024, 4th day of field work, Technician arrived at 1029 to perform water monitoring at San Gabriel River Reach 44. Field crew continue to remove vegetation inside the channel. Attached is a photo of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds. The area was dry. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**9/20/2024**			
LATITUDE (approx.)	33.9303317			During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			For September 20, 2024, 5th day of field work, Technician arrived at 0720 to perform water monitoring at San Gabriel River Reach 44. Field crew continue to remove vegetation inside the channel. Attached is a photo of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds. The area was dry. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				

TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**9/24/2024**			
LATITUDE (approx.)	33.9303317			During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			For September 24, 2024, 3rd day of field work, Techncian arrived at 0720 to perform water monitoring at San Gabriel River Reach 44. Due to changes in scheduling, Field crew started work on vegetation removal on Friday September 20, 2024. Attached is a photo of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds. The area was dry. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**9/25/2024**			
LATITUDE (approx.)	33.9303317			During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			For September 25, 2024, 4th day of field work, Technician arrived at 0730 to perform water monitoring at San Gabriel River Reach 44. Field crew continue to remove vegetation inside the channel. Attached is a photo of the internal sampling point located southwest of the Washington Blvd Bridge (33º58'30.4170, -118º5'3.0402). entrance is through the double gated door located on corner of Pico Vista Road & Lundahl Drive and drive down approximately 1,864 north west from the access entrance The area was dry. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**9/27/2024**			
LATITUDE (approx.)	33.9303317			During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			For September 27, 2024, 6th day of field work, Technician arrived at 0920 to perform water monitoring at San Gabriel River Reach 44. Due to a scheduling conflict, I was unable to perform water quality monitoring and sampling on 09/26/24. Field crew continue to remove vegetation inside the channel. Attached is a photo of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds. The area was dry. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**9/30/2024**			
LATITUDE (approx.)	33.9303317			During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			For September 30, 2024, 7th day of field work, Technician arrived at 0700 to perform water monitoring at San Gabriel River Reach 44. Due to a scheduling conflict, Field crew continue to remove vegetation inside the channel. Attached is a photo of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds. The photo shows mostly dense fog, but by visual review the channel was dry.. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**10/7/2024**			
LATITUDE (approx.)	33.9303317			During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			For October 07, 2024, 13th day of field work, Technician arrived at 0700 to perform water monitoring at San Gabriel River Reach 44. Due to a scheduling conflict, Field crew continue to
ELEVATION (approx.)				
TIME				

SAMPLE NO.				For October 07, 2024, 13th day of field work, Technician arrived at 0700 to perform water monitoring at San Gabriel River Reach 44. Due to a scheduling conflict, Field crew continue to remove vegetation down south inside the channel. Attached is a photo of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds. The photo shows mostly dense fog, but by visual review the channel was dry.. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**10/23/2024**			
LATITUDE (approx.)	33.9303317			During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			For October 23, 2024, 23rd day of field work, Technician arrived at 0700 to perform water monitoring at San Gabriel River Reach. Attached is a photo of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds. San Gabriel River Reach 44 still continues to be dry as field crew continue to remove vegetation inside the channel. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44	**11/7/2024**			
LATITUDE (approx.)	33.9303317			Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.107166			For November 07, 2024, David "Scott" Chaney forwarded the Technician a picture of the upstream sampling point for the post water quality sampling at San Gabriel River Reach. Attached is a photo of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2. Reach extends south to Firestone Blvd with the San Gabriel Coastal Spreading Grounds. Field crew have completed all vegetation removal inside the channel and there was no water flow during be entire work duration. Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB).
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				

San Gabriel River Reach 115	**10/2/2024**			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.0902083	-118.093011	-118.0938334	For Wednesday 10/02, Technician arrived at 0732 and met with Raul Martinez from Stormwater Maintenance Rio Hondo Yard to perform baseline water quality monitoring and sampling at the San Gabriel River Reach 115 West. The work limits are 4,760 feet south of Willow Street (transition of the concrete section to the soft bottom channel) to the 405 freeway north side of the bridge. Then for each sampling point we walked down the rip-rap slope. Baseline water quality monitoring and sampling was done seven (7) days prior to start date. Between 0736 and 0758, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 10/02 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/03. From a water quality standpoint, project is "good to go" for start on Wednesday 10/09.
ELEVATION (approx.)	14	16	19	
TIME	7:37	7:42	7:59	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	22.2	21.5	21.4	
pH	9.45	7.57	7.97	
TURBIDITY (NTUs)	1.95	9.89	6.43	
DISSOLVED O_2 (mg/L)	9.68	9.44	9.89	
TOTAL SUSPENDED SOLIDS (mg/L)	3.6	15.2	13.4	
San Gabriel River Reach 115	**10/9/2024**			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0902083	-118.093011	-118.0938334	For Wednesday 10/09, 1st day of field work, Technician arrived onsite at 0759 and met with Orlando Almader of Stormwater Maintenance Rio Hondo Yard and performed water quality monitoring and sampling at the San Gabriel River Reach 115 West. The work limits are 4,760 feet south of Willow Street (transition of the concrete section to the soft bottom channel) to the 405 freeway north side of the bridge. Team meeting to discuss the conditions of work performance was held with biologist present. Field crew began mobilizing all equipment to remove vegetation on the rip-rap slope and near the channel. Water levels were normal throughout the channel. There were lots of debris and birds, ducks and underwater animals swimming in the channel. Turbidity readings were slightly high due to the birds and ducks in the water. Between 0759 and 0824, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 10/09 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/10.
ELEVATION (approx.)	14	16	19	
TIME	7:59	8:11	8:24	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	22.3	22.1	21.6	
pH	7.66	7.56	7.16	
TURBIDITY (NTUs)	1.8	4.48	4.11	
DISSOLVED O_2 (mg/L)	9.86	9.9	9.83	

TOTAL SUSPENDED SOLIDS (mg/L)	4.4	2.8	3.4	
San Gabriel River Reach 115	**10/10/2024**			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0902083	-118.093011	-118.0938334	For Thursday 10/10, 2nd day of field work, Technician arrived onsite at 0955 and performed water quality monitoring and sampling at the San Gabriel River Reach 115 West. The work limits are 4,760 feet south of Willow Street (transition of the concrete section to the soft bottom channel) to the 405 freeway north side of the bridge. Field crew are removing vegetation on the rip-rap slope and near the channel. Water levels were normal throughout the channel. There were lots of debris and birds, ducks and underwater animals swimming in the channel. Turbidity readings were slightly high due to the birds and ducks in the water. Between 0759 and 0824, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 10/10 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/11.
ELEVATION (approx.)	14	16	19	
TIME	10:00	10:09	10:15	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	20.9	21.4	21.6	
pH	7.97	7.77	7.31	
TURBIDITY (NTUs)	1.9	4.49	4.07	
DISSOLVED O_2 (mg/L)	9.56	9.71	9.69	
TOTAL SUSPENDED SOLIDS (mg/L)	2.6	3.2	3.2	
San Gabriel River Reach 115	**10/11/2024**			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0902083	-118.093011	-118.0938334	For Friday 10/11, 3rd day of field work, Technician arrived onsite at 0855 and performed water quality monitoring and sampling at the San Gabriel River Reach 115 West. The work limits are 4,760 feet south of Willow Street (transition of the concrete section to the soft bottom channel) to the 405 freeway north side of the bridge. Field crew continue to remove vegetation on the rip-rap slope and near the channel. Water levels were normal throughout the channel. There were lots of debris and birds, ducks and underwater animals swimming in the channel. Turbidity readings were slightly high at the internal point, due to the birds and ducks in the water. Between 0900 and 0916, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 10/11 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/15.
ELEVATION (approx.)	14	16	19	
TIME	9:00	9:10	9:16	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	20.6	21.5	21.5	
pH	8.12	8	7.87	
TURBIDITY (NTUs)	3.77	9.73	4.33	
DISSOLVED O_2 (mg/L)	9.71	9.93	9.69	
TOTAL SUSPENDED SOLIDS (mg/L)	4.6	20.8	12	
San Gabriel River Reach 115	**10/16/2024**			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0902083	-118.093011	-118.0938334	For Wednesday 10/16, 5th day of field work, Technician arrived onsite at 0855 and performed water quality monitoring and sampling at the San Gabriel River Reach 115 West. Due to schedule conflict, I was unable to perform water quality sampling the previous day (10/15/2024). The work limits are 4,760 feet south of Willow Street (transition of the concrete section to the soft bottom channel) to the 405 freeway north side of the bridge. Field crew have made their way down south and continue to remove vegetation on the rip-rap slope and near the channel. Water levels were very high throughout the channel. There were lots of debris and birds, ducks and underwater animals swimming in the channel. Turbidity readings were slightly high at the internal point, due to both the water levels and the birds and ducks in the water. Between 0900 and 0920, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 10/16 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/17.
ELEVATION (approx.)	14	16	19	
TIME	9:00	9:13	9:20	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	20.6	20.7	21	
pH	7.86	7.78	7.93	
TURBIDITY (NTUs)	2.03	2.62	2.37	
DISSOLVED O_2 (mg/L)	9.37	9.34	9.59	
TOTAL SUSPENDED SOLIDS (mg/L)	3	ND	ND	
San Gabriel River Reach 115	**10/18/2024**			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0902083	-118.093011	-118.0938334	For Friday 10/18, 7th day of field work, Technician arrived onsite at 0850 and performed water quality monitoring and sampling at the San Gabriel River Reach 115 West. Due to a personal matter, I was unable to perform water quality sampling the previous day (10/17/2024). The work limits are 4,760 feet south of Willow Street (transition of the concrete section to the soft bottom channel) to the 405 freeway north side of the bridge. Field crew continue to remove vegetation on the rip-rap slope and near the channel heading towards the 405 bridge. Water levels continue to be very high throughout the channel. There were lots of debris and birds, ducks and underwater animals swimming in the channel. Between 0903 and 0930, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 10/18 on 24-hour TAT. Results for TSS will be available Monday afternoon, 10/21. GMED will now transition to weekly water quality sampling.
ELEVATION (approx.)	14	16	19	
TIME	9:03	9:20	9:30	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	21.2	21.3	21.2	
pH	7.37	8	7.89	
TURBIDITY (NTUs)	4.27	2.65	2.32	
DISSOLVED O_2 (mg/L)	9.78	9.8	9.98	
TOTAL SUSPENDED SOLIDS (mg/L)	6.8	3.4	3.2	
San Gabriel River Reach 115	**10/24/2024**			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0902083	-118.093011	-118.0938334	For Thursday 10/24, 12th day of field work, Technician arrived onsite at 1030 and performed water quality monitoring and sampling at the San Gabriel River Reach 115 West. The work limits are 4,760 feet south of Willow Street (transition of the concrete section to the soft bottom channel) to the 405 freeway north side of the bridge. Field crew continue to
ELEVATION (approx.)	14	16	19	
TIME	11:04	10:59	10:32	

SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	work limits are 4,760 feet south of Willow Street (transition of the concrete section to the soft bottom channel) to the 405 freeway north side of the bridge. Field crew continue to remove vegetation on the rip-rap slope at midpoint of the operational limits. Water levels went down from last week . There were lots of debris and birds, ducks and underwater animals swimming in the channel. Turbidity readings were slightly high at both internal and downstream due to debris and ducks inside the channel. Between 1032 and 1104, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 10/24 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/25.
TEMPERATURE (°C)	21.3	21.8	22.6	
pH	7.6	8.19	7.95	
TURBIDITY (NTUs)	2.19	3.44	2.66	
DISSOLVED O_2 (mg/L)	9.26	9.19	9.2	
TOTAL SUSPENDED SOLIDS (mg/L)	5.6	4	3	
San Gabriel River Reach 115	**10/31/2024**			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0902083	-118.093011	-118.0938334	For Thursday 10/31, 18th day of field work, Technician arrived onsite at 1108 and performed water quality monitoring and sampling at the San Gabriel River Reach 115 West. The work limits are 4,760 feet south of Willow Street (transition of the concrete section to the soft bottom channel) to the 405 freeway north side of the bridge. Field crew continue to remove vegetation on the rip-rap slope as well as on the flat surface of the channel near the downstream point. There were lots of debris and birds, ducks and underwater animals swimming in the channel. Between 1108 and 1138, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 10/31 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/01.
ELEVATION (approx.)	14	16	19	
TIME	11:38	11:20	11:08	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	21.1	22.6	20.1	
pH	7.9	7.96	7.89	
TURBIDITY (NTUs)	2.25	2.24	1.9	
DISSOLVED O_2 (mg/L)	9.44	9.4	9.55	
TOTAL SUSPENDED SOLIDS (mg/L)	5.4	4.4	13.8	
San Gabriel River Reach 115	**10/25/2024**			
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	For Friday 10/25 – 1st day of field work, I arrived on the jobsite at 0930 and met with Raul Martinez and met with the Stormwater Maintenance Rio Hondo Yard crew to performed water sampling at upstream, internal, and downstream points. Due to a last minute mutual agreement between Stormwater Maintenance and Oaktree to start the vegetation cleanout today instead of the scheduled start date on October 29, 2024, 1st day and baseline were done together. Field crews began mobilizing underneath south side of the 405 freeway and started to remove vegetation on the west rip-rap slope side of the channel. Water level was low and there were lots of ducks and vegetation on the water surface in the channel. Turbidity was slightly high due to the ducks and vegetation inside the water. Between 0935 and 1005, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 10/25 on 24-hour TAT. Results for TSS will be available Monday afternoon, 10/28.
ELEVATION (approx.)	6	6	6	
TIME	9:35	9:50	10:05	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	20.5	20.4	19.8	
pH	7.61	7.98	7.93	
TURBIDITY (NTUs)	2.65	4.43	1.82	
DISSOLVED O_2 (mg/L)	9.16	9.09	9	
TOTAL SUSPENDED SOLIDS (mg/L)	18.2	6.2	3	
San Gabriel River Reach 115	**10/28/2024**			
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	For Monday 10/28 – 2nd day of field work, Technician arrived on the jobsite at 0920 and performed water sampling at upstream, internal, and downstream points. Field crews continue with vegetation removal underneath the 405 freeway bridge began mobilizing underneath south side of the 405 freeway and started to remove vegetation on the west rip-rap slope side of the channel. Water level was low and there were lots of ducks and vegetation on the water surface in the channel. Between 0926 and 0940, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 10/28 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/29.
ELEVATION (approx.)	6	6	6	
TIME	9:26	9:34	9:40	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	20.4	20.6	21	
pH	7.7	7.93	8.02	
TURBIDITY (NTUs)	2.01	1.43	1.62	
DISSOLVED O_2 (mg/L)	9.46	9.39	9.35	
TOTAL SUSPENDED SOLIDS (mg/L)	7.8	2.8	3.8	
San Gabriel River Reach 115	**10/29/2024**			
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	For Tuesday 10/29 – 3rd day of field work, Technician arrived on the jobsite at 0900 and performed water sampling at upstream, internal, and downstream points. Field crews continue with vegetation passed the 405 freeway. Water level was low and there were lots of ducks and vegetation on the water surface in the channel. Between 0906 and 0925, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Tuesday 10/29 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/30.
ELEVATION (approx.)	6	6	6	
TIME	9:06	9:16	9:25	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	19.8	19.5	19.6	
pH	7.75	7.88	7.86	
TURBIDITY (NTUs)	3.94	2.94	3.22	
DISSOLVED O_2 (mg/L)	9.58	9.84	9.8	

TOTAL SUSPENDED SOLIDS (mg/L)	8	5.6	4.4	
San Gabriel River Reach 115	**10/30/2024**			
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	For Wednesday 10/30 – 4th day of field work, I arrived on the jobsite at 0900 and performed water sampling at upstream, internal, and downstream points. Field crews continue with vegetation removal on the rip-rap slope and bottom surface of the channel nearing the internal sampling point. Water level was low and there were lots of ducks and vegetation on the water surface in the channel. Between 0907 and 0921, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 10/30 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/31.
ELEVATION (approx.)	6	6	6	
TIME	9:07	9:16	9:21	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	17.5	17.9	18.1	
pH	7.35	7.71	7.85	
TURBIDITY (NTUs)	2.12	1.75	2.02	
DISSOLVED O_2 (mg/L)	9.3	9.15	9.45	
TOTAL SUSPENDED SOLIDS (mg/L)	2.8	2.6	ND	
San Gabriel River Reach 115	**10/31/2024**			
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	For Thursday 10/31 – 5th day of field work, Technician arrived on the jobsite at 1040 and performed water sampling at upstream, internal, and downstream points. Field crews continue with vegetation removal on the rip-rap slope and bottom surface of the channel nearing the internal sampling point. There were lots of ducks and vegetation on the water surface in the channel. Water level was low Between 1045 and 1106, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 10/31 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/01.
ELEVATION (approx.)	6	6	6	
TIME	11:06	10:59	10:45	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	20.4	20.7	19.6	
pH	7.88	7.91	7.73	
TURBIDITY (NTUs)	3.69	3.61	3.7	
DISSOLVED O_2 (mg/L)	9.5	9.31	9.34	
TOTAL SUSPENDED SOLIDS (mg/L)	13.8	4.8	4.6	
San Gabriel River Reach 115	**11/1/2024**			
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	For Friday 11/01 – 6th day of field work, Technician arrived on the jobsite at 0950 and performed water sampling at upstream, internal, and downstream points. Field crews continue with vegetation removal on the rip-rap slope and bottom surface of the channel nearing the internal sampling point. There were lots of ducks and vegetation floating on the water surface in the channel. Water level was low Between 0959 and 1023, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 11/01 on 24-hour TAT. Results for TSS will be available Monday afternoon, 11/04.
ELEVATION (approx.)	6	6	6	
TIME	10:23	10:16	9:59	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	18.8	18.5	18.8	
pH	7.57	7.33	7.92	
TURBIDITY (NTUs)	4.96	2.15	2.49	
DISSOLVED O_2 (mg/L)	9.92	9.84	9.7	
TOTAL SUSPENDED SOLIDS (mg/L)	8	8	4.6	
San Gabriel River Reach 115	**11/20/2024**			
LATITUDE (approx.)	33.986765	33.984031	33.98031	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	For Wednesday 11/20 – Technician arrived on the jobsite at 0700 and performed post water quality sampling at upstream, internal, and downstream points. Due to work scheduling conflict on Monday 11/04/2024, I was unable to perform water quality sampling on the 7th day and there was no weekly due to the Federal Holiday (Veteran's Day) on 11/11/2024. Field crews completed all vegetation removal inside the entire channel. There were lots of ducks and vegetation floating on the water surface in the channel. Water level was low. Between 0706 and 0729, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 11/20 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/21.
ELEVATION (approx.)	6	6	6	
TIME	7:06	7:17	7:29	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	17.6	15.3	15	
pH	8.44	8.57	8.54	
TURBIDITY (NTUs)	7.27	3.37	3.27	
DISSOLVED O_2 (mg/L)	9.54	9.45	9.29	
TOTAL SUSPENDED SOLIDS (mg/L)	8	8	4.6	

San Gabriel River Reach 115	**11/8/2024**			
LATITUDE (approx.)	33.7750554	33.7599321	33.7472777	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.0981053	-118.985062	-118.1136401	
ELEVATION (approx.)	16	21	10	

TIME	6:20	6:45	7:00	For Friday 11/08, Technician arrived on site at 0615 to perform baseline water quality monitoring and sampling at the San Gabriel River Reach 115 West between College Park Drive to Marina Drive. Water level was normal. Baseline water quality monitoring and sampling was done four (4) days prior to start date. Between 0620 and 07000, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 11/08 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 01/12. From a water quality standpoint, project is "good to go" for start on Tuesday 01/12.
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	18.3	16.4	16	
pH	7.15	7.77	7.62	
TURBIDITY (NTUs)	2.73	1.77	2.34	
DISSOLVED O_2 (mg/L)	9.71	9.63	10.08	
TOTAL SUSPENDED SOLIDS (mg/L)	5.8	5.6	12.8	
San Gabriel River Reach 115	**11/13/2024**			
LATITUDE (approx.)	33.7750554	33.7599321	33.7472777	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0981053	-118.985062	-118.1136401	For Wednesday 11/13, 2nd day of field work, Technician arrived on site at 0900 to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between College Park Drive to Marina Drive. Due to a scheduling conflict, I was unable to perform water sampling on the first day. Field crew was on the south side College Park Drive of the channel levee and are removing vegetation. Lots of vegetation in on water surface especially at the downstream sampling point. Between 0904 and 0925, I collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 11/13 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 01/14.
ELEVATION (approx.)	16	21	10	
TIME	9:04	9:13	9:25	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	17.7	17.3	17.2	
pH	7.84	7.84	7.54	
TURBIDITY (NTUs)	20.6	1.55	2.2	
DISSOLVED O_2 (mg/L)	9.26	9.56	9.91	
TOTAL SUSPENDED SOLIDS (mg/L)	6.2	2.6	3.6	
San Gabriel River Reach 115	**11/15/2024**			
LATITUDE (approx.)	33.7750554	33.7599321	33.7472777	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0981053	-118.985062	-118.1136401	For Friday 11/15, 4th day of field work, I arrived on site at 0800 to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between College Park Drive to Marina Drive. Due to a scheduling conflict, I was unable to perform water sampling on the third day (11/14/2024). Field crew continue to remove vegetation on the south side College Park Drive of the channel levee. I noticed lots of vegetation just north of College park Dr Bridge (upstream point), but not so much at both internal and downstream point. Water level was low. Between 0810 and 0832, I collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Friday 11/15 on 24-hour TAT. Results for TSS will be available Monday afternoon, 01/18.
ELEVATION (approx.)	16	21	10	
TIME	8:10	8:13	8:32	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	16.8	16.2	16.1	
pH	7.6	8.1	8.22	
TURBIDITY (NTUs)	2.91	1.88	1.09	
DISSOLVED O_2 (mg/L)	9.8	9.9	9.91	
TOTAL SUSPENDED SOLIDS (mg/L)	9.2	3.8	5.2	
San Gabriel River Reach 115	**11/16/2024**			
LATITUDE (approx.)	33.7750554	33.7599321	33.7472777	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0981053	-118.985062	-118.1136401	For Saturday 11/16, 5th day of field work, Technician arrived on site at 0750 to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between College Park Drive to Marina Drive. Field crew continue to remove vegetation on the south side College Park Drive heading south of the channel levee. There are still lots of vegetation just north of College park Dr Bridge (upstream point), and also by the 2nd Street Bridge (Internal). Water level was slightly high. Between 0800 and 0829, I collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 11/18 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 01/19.
ELEVATION (approx.)	16	21	10	
TIME	8:00	8:09	8:29	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	20.9	16.9	17.9	
pH	7.85	7.75	7.44	
TURBIDITY (NTUs)	3.02	2.85	2.67	
DISSOLVED O_2 (mg/L)	10.05	10.04	10	
TOTAL SUSPENDED SOLIDS (mg/L)	5.4	3.6	4.8	
San Gabriel River Reach 115	**11/20/2024**			
LATITUDE (approx.)	33.7750554	33.7599321	33.7472777	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0981053	-118.985062	-118.1136401	For Wednesday 11/20, 7th day of field work, Technician arrived on site at 0750 to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between College Park Drive to Marina Drive. Due to work scheduling conflict I was unable to perform water sampling on 11/19/2024. Field crew continue to remove vegetation on the south side College Park Drive heading south of the channel levee. Upstream still continues to have some vegetation in the water. Water level was low. Between 0758 and 0820, I collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 11/20 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 01/21. GMED will now transition to weekly water quality sampling.
ELEVATION (approx.)	16	21	10	
TIME	7:58	8:16	8:20	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	14.2	13.5	13.4	
pH	7.68	7.47	8.18	
TURBIDITY (NTUs)	16.3	3.17	2.63	
DISSOLVED O_2 (mg/L)	9.51	9.2	9.31	

TOTAL SUSPENDED SOLIDS (mg/L)	14.8	7.4	33.6	
San Gabriel River Reach 115	**12/4/2024**			
LATITUDE (approx.)	33.7750554	33.7599321	33.7472777	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0981053	-118.985062	-118.1136401	For Wednesday 12/04, 12th day of field work, Technician arrived on site at 0750 to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between College Park Drive to Marina Drive. Field crew did not work during the week of November 25-29th due to the short work week. Field crew continue to remove vegetation along the channel between College Park Drive to 2nd Street Bridge. Water level was low. There were minimal ducks in the water. Between 0800 and 0830, I collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 12/04 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 12/05
ELEVATION (approx.)	16	21	10	
TIME	8:00	8:15	8:30	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	20.2	17.3	18.9	
pH	7.78	7.64	7.6	
TURBIDITY (NTUs)	4.37	0.85	0.86	
DISSOLVED O_2 (mg/L)	9.53	10	9.99	
TOTAL SUSPENDED SOLIDS (mg/L)	9	3.6	2.6	
San Gabriel River Reach 115	**12/11/2024**			
LATITUDE (approx.)	33.7750554	33.7599321	33.7472777	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0981053	-118.985062	-118.1136401	For Wednesday 12/11, 17th day of field work, Technician arrived on site at 0805 to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between College Park Drive to Marina Drive. Field crew continue to remove vegetation near the 2nd Street Bridge. Water level was low. There were minimal ducks in the water. Between 0809 and 0829, I collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Wednesday 12/11 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 12/12.
ELEVATION (approx.)	16	21	10	
TIME	8:09	8:19	8:29	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	13.7	13.7	13	
pH	8.59	7.97	7.42	
TURBIDITY (NTUs)	2.54	1.75	7.19	
DISSOLVED O_2 (mg/L)	9.86	9.79	9.61	
TOTAL SUSPENDED SOLIDS (mg/L)	7.4	4.6	9.2	
San Gabriel River Reach 115	**12/19/2024**			
LATITUDE (approx.)	33.7750554	33.7599321	33.7472777	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.0981053	-118.985062	-118.1136401	For Thursday 12/19, Technician arrived on site at 0835 to perform post water quality monitoring and sampling at the San Gabriel River Reach 115 West between College Park Drive to Marina Drive. Field crew completed all vegetation removal throughout the channel. There were some debris and lots of ducks inside the water. Water level was low. Turbidity was slightly high at the internal point due to ducks and vegetation in the water. Between 0838 and 0905, I collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and submitted to Enthalpy Analytical for analysis of total suspended solids (TSS) on Thursday 12/19 on 24-hour TAT. Results for TSS will be available Friday afternoon, 12/20.
ELEVATION (approx.)	16	21	10	
TIME	8:38	8:52	9:05	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	18.6	18.2	18.4	
pH	8.09	7.73	7.4	
TURBIDITY (NTUs)	3.27	5.98	1.16	
DISSOLVED O_2 (mg/L)	9.81	9.51	9.56	
TOTAL SUSPENDED SOLIDS (mg/L)	6.4	14	4.2	

Wilmington Drain	**12/16/2024**			
LATITUDE (approx.)				Pre-Clearing/Baseline
LONGITUDE (approx.)				For Monday 12/16, 1st day of field work, Technicians were on-site to perform water quality sampling and monitoring at upstream, internal and downstream points for Wilmington Drain Reach 27 Maintenance Low Flow. Due to my scheduling last week, I was unable to perform a baseline prior to the start date, so today's report will be for 1st day of field work and baseline combined. Attached photo is the upstream sampling point located on the east side of the drain about 325' north of Lomita Blvd. Access to sampling point is from driveway and concrete ramp on the north side of west-bound Lomita Blvd aboutn.3 miles west of Figueroa Street and about .15 miles east of Vermont Avenue. As shown on the south side of the concrete ramp transitioning into soft bottom channel, the area is dry. There was no indication of any water flow on the soft bottom channel making its way down south towards the Lomita Bridge. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions. monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
Wilmington Drain	**12/17/2024**			
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				

ELEVATION (approx.)				For Tuesday 12/17, 2nd day of field work, Technician was on-site to perform water quality sampling and monitoring at upstream, internal and downstream points for Wilmington Drain Reach 27 Maintenance Low Flow. Attached photos as shown on the south side of the concrete ramp transitioning into soft bottom channel, the area is dry. There was no indication of any water flow on the soft bottom channel making its way down south towards the Lomita Bridge. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
Wilmington Drain	**12/18/2024**			
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				For Wednesday 12/18, 3rd day of field work, Technician was on-site to perform water quality sampling and monitoring at upstream, internal and downstream points for Wilmington Drain Reach 27 Maintenance Low Flow. Due to conflict scheduling, we requested a photo of the jobsite from David Yager of Stormwater Maintenance Imperial Yard. Attached photo as shown on the south side of the concrete ramp transitioning into soft bottom channel, the area is dry. There was no indication of any water flow on the soft bottom channel making its way down south towards the Lomita Bridge. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
Wilmington Drain	**12/19/2024**			
LATITUDE (approx.)				Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)				For Thursday12/19, Technician was on-site at 8:00AM to perform post water quality sampling and monitoring at upstream, internal and downstream points for Wilmington Drain Reach 27 Maintenance Low Flow. Field crew completed necessary work for the low flow. Attached photos as shown on the south side of the Lomita bridge where there is no indication of any water flow, the area is dry. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will continue to monitor the area to re-confirm conditions.
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O_2 (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				

Los Angeles Basin Watershed - Concrete Line Channels
Feasibility Studies Technical Assessments and Recommendations
WATER QUALITY SAMPLING TESTING AND MONITORING RESULTS (2024-2025)

Rustic Canyon Channel Emergency Wall	**7/11/2024**			
LATITUDE (approx.)	34.0401115	34.0396929	34.0376859	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.5158465	-118.5161132	-118.5167072	For Thursday 7/11 – Techncian arrived on-site at 1015 and met with Kenneth Parham Jr from Project management III and Ricardo Palomares to perform baseline water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Field crew started to mobilize all equipment to the location of the emergency wall repair work. Access ramp was made by crew to allow access into the channel to sample the internal and upstream sampling points. Between 1202 and 1227, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Thursday 7/11 on 24-hour TAT. Results for TSS will be available Friday afternoon, 7/12. From a water quality standpoint, project is "good to go" for start on Friday 7/12.
ELEVATION (approx.)	157	156	114	
TIME	12:02	12:06	12:27	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	23.15	22.53	22.1	
pH	6.6	6.73	6.8	
TURBIDITY (NTUs)	0.73	1.51	0.87	
DISSOLVED O_2 (mg/L)	10.38	10.64	10.18	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	2.8	4	
Rustic Canyon Channel Emergency Wall	**7/12/2024**			
LATITUDE (approx.)	34.0401115	34.0396929	34.0376859	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5158465	-118.5161132	-118.5167072	For Friday 7/12 – 1st day of field work, Technician arrived on-site at 0800 and met with Ricardo Palomares to perform water quality sampling and monitoring at upstream, internal, and downstream points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Field crew placed bmp's and sandbags between the internal sampling point and downstream sampling point (photo attached), approximately 500 feet downstream from internal sampling point. Water flow was steady throughout the channel. Crew finished access ramp that allows access to the channel to bring in equipment and remove material. Beams were delivered and placed on bridge. Between 0817 and 0835, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Turbidity results at both the internal and downstream sampling points were slightly high due to work in the channel finishing the access ramp and soil removal. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Friday 7/12 on 24-hour TAT. Results for TSS will be available Monday afternoon, 7/15.
ELEVATION (approx.)	157	156	114	
TIME	8:17	8:21	8:35	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	18.98	19.19	18.93	
pH	6.55	6.96	6.86	
TURBIDITY (NTUs)	1.15	1.47	6.03	
DISSOLVED O_2 (mg/L)	9.53	10.84	9.89	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	ND	5.8	
Rustic Canyon Channel Emergency Wall	**7/15/2024**			
LATITUDE (approx.)	34.0401115	34.0396929	34.0376859	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5158465	-118.5161132	-118.5167072	For Monday 7/15 – 2nd day of field work, Technician arrived on-site at 1210 and met with Ricardo Palomares to perform water quality sampling and monitoring at upstream, internal, and downstream points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Bmp's and sandbags present between the internal sampling point and downstream sampling point, approximately 500 feet downstream from internal sampling point. Water flow was steady throughout the channel. Crew removed material and installed rocks in channel to allow heavy equipment to move inside the channel. Between 1221 and 1240, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Turbidity result at the internal sampling point was slightly high and turbidity result at the downstream sampling point was high, due to work in the channel removing soil and installing rocks in channel. Contractor will install another bmp and sandbags tomorrow, downstream from the bmp that is currently installed, to address the high turbidity result downstream. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 7/15 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 7/16.
ELEVATION (approx.)	157	156	114	
TIME	12:21	12:25	12:40	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	20.75	20.71	21.02	
pH	6.7	6.76	6.97	
TURBIDITY (NTUs)	0.91	1.14	30.2	
DISSOLVED O_2 (mg/L)	10.3	10.21	9.72	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	2.4	51.2	
Rustic Canyon Channel Emergency Wall	**7/16/2024**			
LATITUDE (approx.)	34.0401115	34.0396929	34.0376859	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5158465	-118.5161132	-118.5167072	For Tuesday 7/16 – 3rd day of field work, Technician arrived on-site at 0915 to perform water quality sampling and monitoring at upstream, internal, and downstream sampling
ELEVATION (approx.)	157	156	114	
TIME	12:02	12:06	12:27	

SAMPLE NO.	RCC-1	RCC-2	RCC-3	points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Bmp's and sandbags present between the internal sampling point and downstream sampling point, approximately 500 feet downstream from internal sampling point. Water flow was steady throughout the channel. Crew removed material and installed rocks in channel to allow heavy equipment to move inside the channel. Large excavator was delivered this morning and moved into the channel. Between 0932 and 0952, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Turbidity result at the internal sampling point was slightly high and turbidity result at the downstream sampling point was high, due to work in the channel removing soil and installing rocks. Notified Ricardo Palomares of the turbidity results. Contractor was to install another bmp and sandbags this morning, but due to the delivery of the excavator, will instead install later today or tomorrow. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Tuesday 7/16 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 7/17.
TEMPERATURE (°C)	19.99	19.79	19.44	
pH	6.45	6.61	6.49	
TURBIDITY (NTUs)	1.51	2.52	14.5	
DISSOLVED O_2 (mg/L)	10.1	9.81	10.24	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	3.6	18.4	
Rustic Canyon Channel Emergency Wall	**7/17/2024**			
LATITUDE (approx.)	34.0401115	34.0396929	34.0376859	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5158465	-118.5161132	-118.5167072	For Wednesday 7/17 – 4th day of field work, Technician arrived on-site at 0820 and met with Ricardo Palomares to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Bmp's and sandbags present between the internal sampling point and downstream sampling point, approximately 500 feet downstream from internal sampling point. Water flow was steady throughout the channel. Contractor started installing the beams in the channel. Between 0837 and 0859, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Turbidity result at the internal sampling point was slightly high and turbidity result at the downstream sampling point was high, due to work in the channel. Contractor installed another bmp and sandbags (picture attached), about 25 feet downstream from the current bmp to address the high turbidity result downstream. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Wednesday 7/17 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 7/18.
ELEVATION (approx.)	157	156	114	
TIME	8:37	8:41	8:59	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	19.4	18.82	18.67	
pH	6.88	6.87	6.96	
TURBIDITY (NTUs)	1.33	4.53	26.6	
DISSOLVED O_2 (mg/L)	9.57	9.62	9.37	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	5.4	38.6	
Rustic Canyon Channel Emergency Wall	**7/18/2024**			
LATITUDE (approx.)	34.0401115	34.0396929	34.0376859	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5158465	-118.5161132	-118.5167072	For Thursday 7/18 – 5th day of field work, Technician arrived on-site at 0715 and met with both Kenneth Parham and Ricardo Palomares from Project Management III to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Field crew continue to drill inside the channel to place I-beams as part of the wall repairs. Heavy equipment was inside the channel that was being used for the drilling to place I-beams. Water flow was steady throughout the channel, however, due to drilling which is disturbing the soil, the water quality is not clear Between 0720 and 0735, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Turbidity result at both the internal and downstream sampling point was high due to the heavy equipment work in the channel. I informed field inspector Ricardo Palomares to have the contractor install BMPs with sand bags to help with future water quality readings. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Thursday 7/18 on 24-hour TAT. Results for TSS will be available Friday afternoon, 7/19.
ELEVATION (approx.)	157	156	114	
TIME	7:20	7:25	7:35	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	20	19.4	19.6	
pH	7.83	7.79	7.8	
TURBIDITY (NTUs)	0.56	32.9	29.1	
DISSOLVED O_2 (mg/L)	9.93	9.9	9.89	
TOTAL SUSPENDED SOLIDS (mg/L)	5	62.6	42	
Rustic Canyon Channel Emergency Wall	**7/19/2024**			
LATITUDE (approx.)	34.0401115	34.0396929	34.0376859	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5158465	-118.5161132	-118.5167072	For Friday 7/19 – 6th day of field work, Technician arrived on-site at 0800 and met with both Kenneth Parham and Ricardo Palomares from Project Management III to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Contractor installed a third BMP (picture attached), approximately 200 feet downstream from the internal sampling location. Kenneth Parham suggested moving the downstream sampling location approximately 80 feet downstream, to the pedestrian bridge (picture attached) behind the property at 603 Hightree Road, to address high turbidity results. Heavy equipment was inside the channel but not drilling at time of sampling, crew was preparing beams for installation. Flow was steady throughout the channel, however, due to heavy equipment in the channel disturbing the soil, the water quality is not clear. Between 0815 and 0905, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Turbidity result at the internal sampling location was slightly high and the turbidity at the downstream sampling location was high. I informed field inspector Ricardo Palomares and Kenneth Parham of the turbidity results. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Friday 7/19 on 24-hour TAT. Results for TSS will be available Monday afternoon, 7/22.
ELEVATION (approx.)	157	156	114	
TIME	8:15	8:20	9:05	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	19.46	19.78	19.71	
pH	7.81	7.71	7.93	
TURBIDITY (NTUs)	1.31	1.77	11.8	
DISSOLVED O_2 (mg/L)	10.07	9.93	9.9	
TOTAL SUSPENDED SOLIDS (mg/L)	2.6	ND	18.4	
Rustic Canyon Channel Emergency Wall	**7/29/2024**			
LATITUDE (approx.)	34.0401115	34.0396929	34.0376859	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5158465	-118.5161132	-118.5167072	For Monday 7/29 – 12th day of field work, Technician arrived on-site at 0820 and met with Ricardo Palomares to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. There are three bmp's that the contractor installed and is maintaining to address high turbidity results. Heavy equipment was inside the channel, crew was preparing equipment to drill and install beams. Flow was steady throughout the channel, however, due to heavy equipment in the channel disturbing the soil, the water quality is not clear. Between 0828 and 0915, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. The turbidity result at the internal sampling location was slightly high. The downstream sampling location was
ELEVATION (approx.)	157	156	114	
TIME	8:28	8:32	9:15	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	18.28	18.17	17.86	
pH	6.58	6.69	6.73	

TURBIDITY (NTUs)	1.89	4.26	35.3	moved upstream to the next pedestrian bridge to get a more representative sample, approximately 190' (picture attached). Crew provided a ladder to access sampling location. The turbidity result at the downstream sampling location was high. I informed field inspector Ricardo Palomares of the turbidity results. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 7/29 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 7/30.
DISSOLVED O_2 (mg/L)	9.18	10.07	9.33	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	5.6	66.2	
Rustic Canyon Channel Emergency Wall	**8/12/2024**			
LATITUDE (approx.)	34.0401549	34.0396929	34.0379427	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5157477	-118.5161132	-118.5166079	For Monday 8/12 – 22nd day of field work, there was no water sampling done last Monday 08/05/2024 due to work scheduling conflict, Technician arrived on-site at 0859 to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. The field crew started working on the east side retaining wall just south of access pathway (photo attached). Field crew is awaiting for new items to complete the existing retaining wall. Due to new work area which is where the existing upstream sampling point is now located 250' south of the access pathway that leads into the Rustic Canyon Channel. Heavy equipment was inside the channel, crew was preparing equipment to drill and install beams at the new location of the retaining wall. Flow was steady throughout the channel, however, due to heavy equipment in the channel disturbing the soil, the water quality is not clear. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide. I informed the field inspector Ricardo Palomares of the turbidity readings. We will re-evaluate the work area next Monday 08/19/2024 to place additional BMPs and sand bags. Between 0906 and 0923, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 8/12 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 8/13.
ELEVATION (approx.)	146	156	116	
TIME	9:06	9:15	9:23	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	19.5	18.9	18.5	
pH	7.87	7.96	8.03	
TURBIDITY (NTUs)	2.33	66.4	167	
DISSOLVED O_2 (mg/L)	9.98	9.9	9.84	
TOTAL SUSPENDED SOLIDS (mg/L)				
Rustic Canyon Channel Emergency Wall	**8/19/2024**			
LATITUDE (approx.)	34.0323239	34.0396929	34.0379427	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5175976	-118.5161132	-118.5166079	For Monday 8/19 – 27th day of field work, Technician arrived on-site at 0800 and met with Kenneth Parham and Ricardo Palomares from Project Management III to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Due to City of Los Angeles raising concerns about the turbidity readings, we discussed about changing the downstream sampling point down further to the concrete line located along Rustic Road north of Channel Road (photo attached). Field crew placed two BMPs with sand bags in the concrete line of the channel (photos attached). Field crew are continuing with the wall repairs by removing dirt directly across the access pathway going down to the channel to install new retaining wall (photo attached). Heavy equipment was inside the channel, crew was removing dirt on the east side of the wall to prepare drilling to install I-beams. Flow was steady throughout the channel, however, due to heavy equipment in the channel disturbing the soil, the water quality is not clear. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide. I informed the field inspector Kenneth Parham of the turbidity readings. Between 0809 and 0933, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 8/19 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 8/20.
ELEVATION (approx.)	39	156	116	
TIME	8:39	8:33	8:09	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	26.2	20.5	21.2	
pH	8.88	8.99	8.8	
TURBIDITY (NTUs)	29.2	70.7	124	
DISSOLVED O_2 (mg/L)	10.01	9.92	9.82	
TOTAL SUSPENDED SOLIDS (mg/L)	48	152	308	
Rustic Canyon Channel Emergency Wall	**8/26/2024**			
LATITUDE (approx.)	34.0401549	34.0386415	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5157477	-118.516643	-118.5175976	For Monday 8/26 – 32nd ay of field work, Technician arrived on-site at 0755 and met Ricardo Palomares from Project Management III to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Field crew began a new location of emergency wall repair behind the 605 Hightree Lane inside Rustic Canyon and placed BMPs in the area as well(photo attached). Heavy equipment was inside the channel, as drilling was started to place I-beams inside the channel. Flow was steady throughout the channel, however, due to heavy equipment in the channel disturbing the soil, the water quality is not clear. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide. I informed the field inspector Kenneth Parham of the turbidity readings. Between 0759 and 0823, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 8/26 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 8/27.
ELEVATION (approx.)	146	160	39	
TIME	8:15	8:23	7:59	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	20	21	19.9	
pH	8.84	8.93	8.22	
TURBIDITY (NTUs)	5.08	241	81.2	
DISSOLVED O_2 (mg/L)	9.69	9.57	9.6	
TOTAL SUSPENDED SOLIDS (mg/L)	25.8	507	88	
Rustic Canyon Channel Emergency Wall	**9/9/2024**			
LATITUDE (approx.)	34.0401549	34.0386415	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5157477	-118.516643	-118.5175976	For Monday 9/9 – 37th day of field work, due to the national holiday on 9/2, there was no weekly water sampling. I arrived on-site at 0759 and met Ricardo Palomares from Project Management III to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Field have paused installing I-beams inside the channel and have begun backfilling sediment and aggerate support behind the newly retaining wall. Heavy equipment was inside the channel, as materials were transported from one location to another. Flow was steady throughout the channel, however, due to heavy equipment in the channel disturbing the soil, the water quality is not clear. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide. I informed the field inspector Kenneth Parham of the turbidity readings. Between 0805 and 0835, collected and recorded water quality
ELEVATION (approx.)	146	160	39	
TIME	8:35	8:25	8:05	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	21.4	22.9	21.8	
pH	8.78	8.98	8.65	
TURBIDITY (NTUs)	5.83	358	68.4	
DISSOLVED O_2 (mg/L)	9.62	9.82	9.73	

TOTAL SUSPENDED SOLIDS (mg/L)	5.2	1010	126	parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 9/9 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 9/10.
Rustic Canyon Channel Emergency Wall	**9/16/2024**			
LATITUDE (approx.)	34.0401549	34.0380162	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5157477	-118.5166557	-118.5175976	For Monday 9/16 – 44th day of field work, Technician arrived on-site at 1116 and met Kenneth Parham from Project Management III to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Field crew have moved down south inside the channel near 601 Hightree Lane removing dirt and trees. The internal sampling point is now located just below the wooden bridge at the 601 Hightree Ln residency (photo attached). Heavy equipment was inside the channel, as materials were transported from one location to another. Flow was steady throughout the channel, however, due to heavy equipment in the channel disturbing the soil, the water quality is not clear. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide. I informed the field inspector Kenneth Parham of the turbidity readings. Between 1125 and 1155, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 9/16 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 9/17.
ELEVATION (approx.)	146	120	39	
TIME	11:43	11:55	11:25	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	20.9	21.4	21.9	
pH	8.86	8.23	7.91	
TURBIDITY (NTUs)	1.35	233	181	
DISSOLVED O_2 (mg/L)	9.91	9.39	9.22	
TOTAL SUSPENDED SOLIDS (mg/L)	2.6	1360	352	
Rustic Canyon Channel Emergency Wall	**9/23/2024**			
LATITUDE (approx.)	34.0401549	34.0380162	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5157477	-118.5166557	-118.5175976	For Monday 9/23 – 49th day of field work, Technician arrived on-site at 1109 to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Field crew have moved down south inside the channel near 601 Hightree Lane removing dirt and trees. Additional BMPs were placed however the water I spilling over the top of the sand bags. The contractor will implement new types of BMPs recommended by the environmentalist. Field crew are now placing material behind the newly constructed wooden retaining walls for support. Heavy equipment was inside the channel, as materials were transported from one location to another. Flow was steady throughout the channel, however, due to heavy equipment in the channel disturbing the soil, the water quality is not clear. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide. I informed the field inspector Kenneth Parham of the turbidity readings. Between 1115 and 1141, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 9/16 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 9/17.
ELEVATION (approx.)	146	120	39	
TIME	11:33	11:41	11:15	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	19.7	19.5	19.7	
pH	8.07	7.92	8.08	
TURBIDITY (NTUs)	18.1	221	194	
DISSOLVED O_2 (mg/L)	9.81	9.47	9.45	
TOTAL SUSPENDED SOLIDS (mg/L)	20.2	386	619	
Rustic Canyon Channel Emergency Wall	**9/30/2024**			
LATITUDE (approx.)	34.0401549	34.0380162	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5157477	-118.5166557	-118.5175976	For Monday 9/30 – 54th day of field work, Technician arrived on-site at 1015 to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Field crew have moved down south inside the channel near 601 Hightree Lane removing dirt and trees. Per field meeting with the environmental specialist, additional BMPs as well as burlap sand bags containing rocks The contractor will implement new types of BMPs recommended by the environmentalist. One location in the concrete channel where the burlap sandbags are placed near 511 West Rustic Rd, the water flow is going underneath the bags (phot attached). Field crew continue to place material behind the newly constructed wooden retaining walls for support. Heavy equipment was inside the channel, as materials were transported from one location to another. Flow was steady throughout the channel, however, due to heavy equipment in the channel disturbing the soil, the water quality is not clear. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide. I informed the field inspector Kenneth Parham of the turbidity readings. Between 1024 and 1055, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 09/30 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/01. I informed Kenneth Parham field inspector of the turbidity readings.
ELEVATION (approx.)	146	120	39	
TIME	10:39	10:55	10:24	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	18.1	18	18	
pH	8.56	8.21	8.2	
TURBIDITY (NTUs)	1.9	164	143	
DISSOLVED O_2 (mg/L)	9.67	9.46	9.2	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	233	199	
Rustic Canyon Channel Emergency Wall	**10/7/2024**			
LATITUDE (approx.)	34.0401549	34.0380162	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5157477	-118.5166557	-118.5175976	For Monday 10/07 – 59th day of field work, Technician arrived on-site at 1120 and met with Ricardo Palomares from Project Management III to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Field crew are still continuing work inside the channel near 601 Hightree Lane removing dirt and trees. Field crew continue to place material behind the newly constructed wooden retaining walls for support. More than one heavy equipment was inside the channel, as materials were transported from one location to another. Flow was steady throughout the channel, however, due to heavy equipment in the channel disturbing the soil, the water quality is not clear. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide. I informed the field inspector Kenneth Parham of the turbidity readings. Between 1125 and 1159, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 10/07 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/08. I informed Ricardo Palomares field inspector of the turbidity readings.
ELEVATION (approx.)	146	120	39	
TIME	11:40	11:59	11:25	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	19.9	20	20.1	
pH	8.41	7.93	8.72	
TURBIDITY (NTUs)	1.8	189	117	
DISSOLVED O_2 (mg/L)	9.66	9.65	9.7	
TOTAL SUSPENDED SOLIDS (mg/L)	11.4	843	822	
Rustic Canyon Channel Emergency Wall	**10/21/2024**			

LATITUDE (approx.)	34.044127	34.0355055	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5126927	-118.517752	-118.5175976	For Monday 10/21 – 64th day of field work, Technician arrived on-site at 1120 and met with both Kenneth Parham & Ricardo Palomares from Project Management III to perform
ELEVATION (approx.)	177	87	39	water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. There was no
TIME	10:25	10:15	10:05	weekly water sampling 10/14/24 due to the Indigenous Federal Holiday. The contractor has split the crews into two separate areas: One area (top location) just after the
SAMPLE NO.	RCC-1	RCC-2	RCC-3	Rivas/Rutsic intersec and the other crew a few feet before the soft bottom and concrete line transition (below location). Photos attached for both locations. So the upstream, and
TEMPERATURE (°C)	19.9	19.5	18.7	internal sampling points needed to changed. At the top location, big rip-rap rocks are being placed to add support to the wall from inside the channel, while the below location field
pH	7.67	8.24	8.66	crew are digging inside the channel to install I-beams. More than one heavy equipment was inside the channel, as materials were transported from one location to another. Flow
TURBIDITY (NTUs)	58.3	160	134	was steady throughout the channel, however, due to heavy equipment in the channel disturbing the soil, the water quality is not clear. The turbidity readings for both internal and
DISSOLVED O_2 (mg/L)	10.02	9.34	9.5	downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide. I informed the field inspector Kenneth Parham of
TOTAL SUSPENDED SOLIDS (mg/L)	120	173	253	the turbidity readings. Between 1005 and 1025, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 10/21 on 24-hour TAT. Results for TSS will be available Tuesday
Rustic Canyon Channel Emergency Wall	**10/28/2024**			
LATITUDE (approx.)	34.044127	34.0355055	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5126927	-118.517752	-118.5175976	For Monday 10/28 – 69th day of field work, Technician arrived on-site at 1029 to perform water quality sampling and monitoring at upstream, internal, and downstream sampling
ELEVATION (approx.)	177	87	39	points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. The contractor has split the crews into two separate areas: One area (top location) just after the
TIME	11:05	10:45	10:35	Rivas/Rutsic intersect and the other crew a few feet before the soft bottom and concrete line transition. The top portion of the channel, field crew continue to install big rip-rap
SAMPLE NO.	RCC-1	RCC-2	RCC-3	rocks to provide support to the retaining walls and the bottom crew is now 200' north of the soft bottom and concrete transition line and they are starting a new area of work by
TEMPERATURE (°C)	19.8	19.3	18.9	digging into the dirt and installing I-beams. More than one heavy equipment was inside the channel, as materials were transported from one location to another. New loads of I
pH	8.03	8.69	8.96	beams arrived and are being distributed to both areas of work inside the channel. Flow was steady throughout the channel, however, due to heavy equipment in the channel
TURBIDITY (NTUs)	0.89	1423	1223	disturbing the soil, the water quality is not clear. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment
DISSOLVED O_2 (mg/L)	10.01	9.3	9.43	flowing along with the current water tide due to the heavy equipment movement inside the channel. I informed the field inspector Kenneth Parham of the turbidity readings.
TOTAL SUSPENDED SOLIDS (mg/L)	3	888	735	Between 1035 and 1105, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 10/28 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/29.
Rustic Canyon Channel Emergency Wall	**11/5/2024**			
LATITUDE (approx.)	34.044127	34.0355055	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5126927	-118.517752	-118.5175976	
ELEVATION (approx.)	177	87	39	For Tuesday 11/05 – 76th day of field work, Technician arrived on-site at 1025 to perform water quality sampling and monitoring at upstream, internal, and downstream sampling
TIME	10:49	10:40	10:32	points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Due to the scheduling conflict, we agreed to perform the weekly water sampling on this day. The
SAMPLE NO.	RCC-1	RCC-2	RCC-3	contractor still has two separate locations they are working on. The bottom portion the field crew are drilling and installing I-beams inside the channel. While the top field crew
TEMPERATURE (°C)	18	17.9	18	continue to install support to the retaining walls. More than one heavy equipment was inside the channel, as materials were transported from one location to another. The
pH	7.53	8.01	8.5	turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide due to the
TURBIDITY (NTUs)	4.14	1116	1086	heavy equipment movement inside the channel. I informed the field inspector Kenneth Parham of the turbidity readings. Between 1032 and 1049, collected and recorded water
DISSOLVED O_2 (mg/L)	10.01	9.28	9.6	quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total
TOTAL SUSPENDED SOLIDS (mg/L)	17.2	1870	818	suspended solids (TSS) Tuesday 11/05 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/06.
Rustic Canyon Channel Emergency Wall	**11/19/2024**			
LATITUDE (approx.)	34.044127	34.0355055	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5126927	-118.517752	-118.5175976	For Tuesday 11/19 – 85th day of field work, Technician arrived on-site at 0800 and met with both Kenneth Parham and Ricardo Palomares from Project Management III to perform
ELEVATION (approx.)	177	87	39	water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Due to the
TIME	8:02	8:12	8:35	Federal Holiday on 11/11/2024, no water sampling was done. The contractor still has two separate locations they are working on. The bottom portion the field crew are working on
SAMPLE NO.	RCC-1	RCC-2	RCC-3	14640 Hilltree Rd and are drilling and installing I-beams inside the channel (photo attached). While the top field crew are working on 671 Latimer Rd removing damaged wooden
TEMPERATURE (°C)	16.2	16.6	15.7	walls and replacing them (Photo attached). Private contractor have installed diversions just above the concrete check dam where the upstream sampling location is (photo
pH	9.4	9.1	9.2	attached). Field inspector Parham and I were walking towards the upstream sampling location and spotted a worker (not an employee of the assigned contractor) cutting portions of
TURBIDITY (NTUs)	14.5	1616	868	the tree next to the concrete check dam. The man stated the private owner requested the tree to be trimmed down. Inspector Parham instructed the man to cease all tree
DISSOLVED O_2 (mg/L)	9.42	9.25	9.12	trimming, as he is working inside the channel which is under Los Angeles County Public Works jurisdiction. The water quality was dirty as more than one heavy equipment was
TOTAL SUSPENDED SOLIDS (mg/L)	33.8	511	554	moving inside the channel. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide due to the heavy equipment movement inside the channel. I informed the field inspector Kenneth Parham of the turbidity readings. Between 0802 and 0835, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Tuesday 11/19 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/20.
Rustic Canyon Channel Emergency Wall	**12/4/2024**			
LATITUDE (approx.)	34.044127	34.0355055	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5126927	-118.517752	-118.5175976	For Wednesday 12/04 – 94th day of field work, Technician arrived on-site at 1010 and met with Patrick Naimi from Project Management III to perform water quality sampling and
ELEVATION (approx.)	177	87	39	monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. The contractor still has two separate

TIME	10:37	10:22	10:15	monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. The contractor still has two separate locations they are working on. The bottom portion the field crew are working on 14640 Hilltree Rd and are drilling and installing I-beams inside the channel. While the top field crew are working on 671 Latimer Rd removing damaged wooden walls and replacing them. Private contractor have installed diversions just above the concrete check dam where the upstream sampling location. The water quality still continues to be dirty as more than one heavy equipment was moving inside the channel. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide due to the heavy equipment movement inside the channel. I informed the field inspector Kenneth Parham of the turbidity readings. Between 1015 and 1037, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Wednesday 12/04 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 12/04.
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	20.6	18.7	16.9	
pH	7.5	8.5	7.21	
TURBIDITY (NTUs)	1.02	1790	1700	
DISSOLVED O_2 (mg/L)	10.02	9.6	9.26	
TOTAL SUSPENDED SOLIDS (mg/L)	7	1270	1000	
Rustic Canyon Channel Emergency Wall	**12/16/2024**			
LATITUDE (approx.)	34.044127	34.0355055	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5126927	-118.517752	-118.5175976	For Monday 12/16 – 102nd day of field work, Technicians arrived on-site at 0820 and met with both Kenneth Parham and Ricardo Palomares from Project Management III to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. The contractor still has two separate locations they are working on. The bottom portion the field crew are working on 14640 Hilltree Rd and are drilling and installing I-beams inside the channel. While the top field crew are working on 671 Latimer Rd removing damaged wooden walls and replacing them. Private contractor was transporting newly delivered I-beams into the channel. The water quality still continues to be dirty as more than one heavy equipment was moving inside the channel. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide due to the heavy equipment movement inside the channel. I informed the field inspector Kenneth Parham of the turbidity readings. Between 0828 and 0854, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS).
ELEVATION (approx.)	177	87	39	
TIME	8:54	8:38	8:28	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	14.5	12.9	12.3	
pH	8.62	8.46	8.56	
TURBIDITY (NTUs)	1.65	1573	902	
DISSOLVED O_2 (mg/L)	9.88	9.9	9.86	
TOTAL SUSPENDED SOLIDS (mg/L)	30	640	420	
Rustic Canyon Channel Emergency Wall	**12/23/2024**			
LATITUDE (approx.)	34.044127	34.0355055	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5126927	-118.517752	-118.5175976	For Monday 12/23 – 107th day of field work, Technician arrived on-site at 0810 and met with both Kenneth Parham and Patrick Naimi from Project Management III to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. The contractor still has two separate locations they are working on. Top field crew are working on 671 Latimer Rd removing damaged wooden walls and replacing them. The water quality is still dirty. The turbidity readings for both internal and downstream points were high due to the water clarity being bad with lots of sediment flowing along with the current water tide due to the heavy equipment movement inside the channel. I informed the field inspector Kenneth Parham of the turbidity readings. Between 0840 and 0855, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to Enthalpy Analytical for analysis of total suspended solids (TSS) on Monday 12/23 on 24-hour TAT. Results for TSS will be available Tuesday 12/24.
ELEVATION (approx.)	177	87	39	
TIME	8:55	8:40	8:20	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	12.91	13.89	12.72	
pH	7.84	8.61	8.53	
TURBIDITY (NTUs)	1.96	269	217	
DISSOLVED O_2 (mg/L)	10	10.04	9.97	
TOTAL SUSPENDED SOLIDS (mg/L)	1.8	1200	900	
Rustic Canyon Channel Emergency Wall	**12/30/2024**			
LATITUDE (approx.)	34.044127	34.0355055	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5126927	-118.517752	-118.5175976	For Monday 12/30 – 116th day of field work, Technician arrived on-site at 07400 and met with both Kenneth Parham and Patrick Naimi from Project Management III to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. The contractor still has two separate locations they are working on. Top field crew are working on 671 Latimer Rd removing damaged wooden walls and replacing them. The water quality is still dirty. I informed the field inspector Kenneth Parham of the turbidity readings. Between 0820 and 0840, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to Enthalpy Analytical for analysis of total suspended solids (TSS) on Monday 12/30 on 24-hour TAT. Results for TSS will be available Tuesday 12/31.
ELEVATION (approx.)	177	87	39	
TIME	8:15	8:00	7:50	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	14.14	13.12	11.35	
pH	7.63	8.21	8.29	
TURBIDITY (NTUs)	3.32	255	180	
DISSOLVED O_2 (mg/L)	9.99	10	9.97	
TOTAL SUSPENDED SOLIDS (mg/L)	3	610	480	
Rustic Canyon Channel Emergency Wall	**1/6/2024**			
LATITUDE (approx.)	34.044127	34.0355055	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5126927	-118.517752	-118.5175976	For Monday 1/6 – 123rd day of field work, Technician arrived on-site at 0750 to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. The contractor still has two separate locations they are working on. Top field crew are working on 671 Latimer Rd removing damaged wooden walls and replacing them. The water quality is still dirty. I informed the field inspector Kenneth Parham of the turbidity readings. Between 0750 and 0830, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to Enthalpy Analytical for analysis of total suspended solids (TSS) on Monday 1/6 on 24-hour TAT. Results for TSS will be available Tuesday 1/7.
ELEVATION (approx.)	177	87	39	
TIME	8:15	8:05	7:50	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	14.03	13.27	12.79	
pH	7.52	8.06	8.43	
TURBIDITY (NTUs)	5.63	159	139	

DISSOLVED O_2 (mg/L)	9.96	9.98	9.98	analysis of total suspended solids (TSS) on Monday 1/6 on 24-hour TAT. Results for TSS will be available Tuesday 1/7.
TOTAL SUSPENDED SOLIDS (mg/L)	1.7	290	220	
Rustic Canyon Channel Emergency Wall	**2/3/2024**			
LATITUDE (approx.)	34.044127	34.0355055	34.0323239	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5126927	-118.517752	-118.5175976	For Monday 2/3 – 151st day of field work, Technician arrived on-site at 0810 to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Top field crew are working on 671 Latimer Rd removing damaged wooden walls and replacing them. The water quality is getting better but still dirty. Attached is a picture of sandbags approximately 213ft, south of West Rustic Rd bridge. I informed the field inspector Kenneth Parham of the turbidity readings. Between 0800 and 0900, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to Enthalpy Analytical for analysis of total suspended solids (TSS) on Monday 2/3 on 24-hour TAT. Results for TSS will be available Tuesday 2/4.
ELEVATION (approx.)	177	87	39	
TIME	8:45	8:20	8:15	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	14.7	12.42	11.3	
pH	7.57	7.73	7.79	
TURBIDITY (NTUs)	3.95	107	68	
DISSOLVED O_2 (mg/L)	9.99	9.95	10	
TOTAL SUSPENDED SOLIDS (mg/L)	150	390	4	
Rustic Canyon Channel Emergency Wall	**2/19/2024**			
LATITUDE (approx.)	34.044127	34.0355055	34.0323239	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.5126927	-118.517752	-118.5175976	For Wednesday 2/19 – 167th day of field work, Technicians arrived on-site at 0900 to perform water quality sampling and monitoring at upstream, internal, and downstream sampling points at Rustic Canyon Channel Emergency Wall Repair 639 Hightree Road. Top field crew are working on 671 Latimer Rd removing damaged wooden walls and replacing them. The water quality is getting better but still dirty. Rain flooded area Upstream and downstream streets are full of mud and debris. Attached is a picture Upstream. Between 0900 and 1000, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected will be submitted to Enthalpy Analytical for analysis of total suspended solids (TSS) on Wednesday 2/19 on 24-hour TAT. Results for TSS will be available Thursday 2/20.
ELEVATION (approx.)	177	87	39	
TIME	9:05	9:30	9:50	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	12.21	14.38	14.8	
pH	7.85	7.93	8.04	
TURBIDITY (NTUs)	168	664	71.3	
DISSOLVED O_2 (mg/L)	10	10	9.98	
TOTAL SUSPENDED SOLIDS (mg/L)	120	310	610	

ATTACHMENT NO. 7

CURRENT WATER QUALITY CERTIFICATIONS,
ORDER NO. 22-117 AND 15-038

Los Angeles Regional Water Quality Control Board

CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER

Effective Date: August 31, 2023

Program Type: Fill/Excavation

Reg. Meas. ID: 450615
Place ID: 885055
WDID: 4WQC40122117
NWP: 31
USACOE#: SPL-2013-00723-GLH
R4 File No: 22-117

Project Type: Channel Construction and Maintenance

Project: Maintenance Clearing of Engineered Earth-Bottom Channels for Flood Control (Project)

Applicant: Los Angeles County Flood Control District (LACFCD)

Applicant Contact:
Jolene Guerrero
Assistant Deputy Director, Stormwater Maintenance Division
Los Angeles County Flood Control District
900 S. Fremont Avenue
Alhambra, CA 91803
Phone: (626) 458-4145
Email: jguerrer@pw.lacounty.gov

Applicant's Agent:
Ahmet Tatlilioglu
Civil Engineer
900 S. Fremont Avenue
Alhambra, CA 91803
Phone: (626) 458-7810
Email: atatlilioglu@pw.lacounty.gov

Water Board Staff:
Snejana Toneva
Engineering Geologist
320 W. 4th Street, Suite 200
Los Angeles, CA 90013
Phone: 213-576-7159
Email: Snejana.Toneva@waterboards.ca.gov

Water Board Contact Person:
If you have any questions, please call the Los Angeles Regional Water Quality Control Board (Los Angeles Water Board) Staff listed above or (213) 576-6600 and ask to speak with the Water Quality Certification and Wetlands Unit Manager. When corresponding via email, please include our general email: RB4-401Certification@waterboards.ca.gov.

Table of Contents

I. Order 3

II. Public Notice 3

III. Project Purpose 3

IV. Project Description 3

V. Project Location 14

VI. Project Impact and Receiving Waters Information 15

VII. Description of Direct Impacts to Waters of the State 15

VIII. Avoidance and Minimization 15

IX. Compensatory Mitigation 16

X. California Environmental Quality Act (CEQA) and Antidegradation Policies 17

XI. Petitions for Reconsideration 17

XII. Fees Received 17

XIII. Findings 17

XIV. Conditions 18

XV. Water Quality Certification 29

Attachment A Maps
Attachment B Signatory Requirements
Attachment C Report and Notification Requirements
Attachment D 40 CFR Part 121.7 Compliance
Attachment E Beneficial Uses and Impacts of Receiving Waters

I. Order

This Clean Water Act (CWA) section 401 Water Quality Certification action and Order (Order) is issued at the request of Los Angeles County Flood Control District (LACFCD, or Permittee) for the Maintenance Clearing of Engineered Earth-Bottom Channels for Flood Control Project. This Order is for the purpose described in the application submitted by the Permittee. The application was received on December 12, 2022. The application was deemed complete on June 5, 2023.

II. Public Notice

The Los Angeles Water Board provided public notice of the application pursuant to California Code of Regulations, title 23, section 3858 from January 11, 2023 to the effective date of the Order. The Los Angeles Water Board did not receive any comments during the comment period.

III. Project Purpose

The purpose of the Project is to maintain adequate capacity in engineered earth-bottom channels (also referred to as engineered soft-bottom channels), which are also a part of the LACFCD's flood control facilities, to reduce the risk of loss of life or property that could result from flooding during large storm events, while simultaneously protecting water quality and beneficial uses of these channels.

IV. Project Description

a. General Background

1. LACFCD is responsible for providing flood control throughout Los Angeles County to enhance public safety. They are responsible for more than 2,700 square miles and approximately 2.1 million land parcels within 6 major watersheds. This includes flood control facilities consisting of 3,420 miles of underground storm drains; approximately 198 debris basins; an estimated 83,134 catch basins; 14 major dams and reservoirs; and 483 miles of open channel including natural, earth-bottom (i.e., concrete or riprap sides with a natural bottom that may support vegetation), and concrete channels.

2. In order to reduce the risk of loss of life or property that could result from flooding during large storm events, LACFCD conducts activities to maintain adequate capacity in flood control facilities. Such maintenance is authorized pursuant to the Los Angeles County Flood Control Act (Water Code Appendix§ 28-2).

3. Many of the channels, basins and reservoirs maintained by LACFCD as flood control facilities are Waters of the United States and Waters of the State of California.

4. Maintaining the flood control system in Waters of the U.S. and Waters of the State of California requires discharge permits for these dredge and fill activities from the Army Corps of Engineers (ACOE), California Department of fish and Wildlife (CDFW) and the Los Angeles Water Board. For dredge and fill activities such as channel clearing, the Clean Water Act (CWA) requires permitting from ACOE under CWA section 404 (404 permit) and Water Quality Certification by the State under CWA section 401 (401 Certification). In addition, under California Fish and Game Code section 1600, such activities are also regulated by a Streambed Alteration Agreement (SAA) issued by the CDFW.

5. WDRs and 401 Certifications issued by the Los Angeles Water Board to LACFCD for maintenance of its flood control facilities are designed to allow maintenance of established flood control function through removal of recent accumulated sediment or vegetation and routine minor structural repairs. The WDRs and 401 Certifications do not allow for any alteration of channel design. WDRs and 401 Certifications issued by the Los Angeles Water Board to LACFCD for maintenance of flood control facilities do not authorize additional hardscape, concrete, or rock in Waters of the U.S. and Waters of the State of California.

6. The Los Angeles Water Board regulates the following dredge and fill activities associated with LACFCD's maintenance of its flood control facilities: maintenance of 198 debris basins (File No. 20-043), maintenance of concrete channels (File No. 20-100), maintenance of earth-bottom channels (this 401 Certification), and individual project Water Quality Certifications for major repairs or renovations to flood control facilities and emergency projects.

7. LACFCD maintains 94 earth-bottom channels through this 401 Certification. The 94 channels include a total of approximately 42 miles of waterways throughout Los Angeles County and approximately 1,276 acres of jurisdictional waters of the United States. The acreage authorized to be impacted by this Order is 733 acres.

8. Development of natural areas and redevelopment projects in Los Angeles County may alter or add to or subtract from the number of required flood control facilities and may alter the hydrology of waters. Plans and new goals for water use in Los Angeles County may contribute to changes in hydrology and the need for more or less flood control capacity and the need for altered or more or fewer flood control facilities. Through the requirements of WDRs and 401 Certifications issued by the Los Angeles Water Board to LACFCD for maintenance of its flood control facilities, the Los Angeles Water Board has taken into account changes of the nature described above, and will continue to do so where appropriate in its future permitting actions regarding LACFCD's maintenance of earth-bottom channels.

9. LACFCD maintains flood control facilities to meet a number of different requirements, depending on when the flood control facility was built and which agency built it; in some cases, LACFCD must protect for a l00-year storm.

10. Many of the flood control channels maintained by LACFCD were built with federal funds and turned over to LACFCD for maintenance. As such, LACFCD is required to maintain the channel as designed and without debris and vegetative growth. In order to change a maintenance requirement, LACFCD must apply under section 14 of the Rivers and Harbors Act of 1899, codified at 33 U.S.C. section 408 (commonly referred to as "Section 408"), for modification of federally required maintenance requirements with the ACOE.

11. Post-Hurricane Katrina, the ACOE instituted Risk and Uncertainty analysis requirements for changes to federal flood control facilities. Alteration of federally-required maintenance may trigger the need for a ACOE Risk and Uncertainty analysis. A Risk and Uncertainty analysis is a statistical analysis that takes into account the uncertainty of the hydrology and hydraulics and related consequences.

12. LACFCD maintains levees in accordance with the Federal Emergency Management Agency (FEMA). FEMA administers the National Flood Insurance Program (NFIP). In order to obtain FEMA accreditation for the levees, LACFCD is required to demonstrate that maintenance of the levees will ensure their stability, height, and overall integrity in order to continue providing protection to the adjacent residents.

13. While FEMA accredits levees as meeting requirements set forth by the NFIP, the ACOE addresses operation and maintenance, risk management, and risk reduction levee needs as part of its responsibilities under the ACOE's Levee Safety Program. The ACOE inspects levees in Los Angeles County and may require risk reduction improvements to the levees by LACFCD.

14. LACFCD maintains various stations throughout the County to monitor flow and water quality. These stations consist of temporary and/or permanent houses with attached gauges, conduits, pumps, sensors, and probes typically placed in the invert of the channel. The houses may be mounted on bridges and/or other structures along several watercourses in the County. In order to obtain accurate data, the flow adjacent to the gauges, conduits, pumps, sensors, and probes must be laminar (i.e., non-turbulent). Routine maintenance, inspection and calibration, including clearance of accumulated sediment and/or vegetation within three feet of the water quality monitoring equipment may need to be conducted during dry weather to ensure proper operation.

15. During the storm season (October 15 to April 15), LACFCD personnel continually monitor flow conditions in channels and inspect facilities.

16. Urgent work conducted during and immediately after storm events is usually not routine maintenance, but instead, may be an emergency. Emergency is defined as, "a sudden, unexpected, occurrence, involving a clear and imminent danger, demanding immediate action to prevent or mitigate loss of, or damage to, life, health, property, or essential public services. Emergency includes such occurrences as fire, flood, earthquake, or other soil or geologic movement, as well as such occurrences as riot, accident, or sabotage." Any project that is necessitated due to imminent threat to life or property is subject to ACOE Regional General Permit 63 (RGP 63) as certified by the State Water Resources Control Board (State Water Board) on November 8, 2018.

17. LACFCD has developed and complies with a Hazard Analysis and Critical Control Points (HACCP) for Malibu and Santa Monica Canyon watersheds to limit the spread of invasive New Zealand mudsnail and giant reed (*Arundo donax*), dated April 1, 2010. LACFCD provides annual training to the employees for awareness of these species and necessary treatment to continue compliance.

18. LACFCD has developed and published watershed maps, which indicate types of vegetation present in the channel reaches and approximate schedules (including baseline biological surveys, post-surveys and maintenance activity descriptions). This information has been made publicly available on the LACFCD website since 2010. Additional information for each reach, the information such as: (a) the proposed schedule; (b) a description of the reach's existing condition; (c) the area of proposed impact; and (d) a description of any existing aquatic resources (e.g., wetland/riparian vegetation based on readily available information and pre-clearing biological surveys), is available upon request.

19. Los Angeles County maintains a GIS Data Portal where LACFCD facilities information is available to the public in GIS (geographic information system) mapping format.

b. Regulatory History

20. The Los Angeles County Flood Control Act was adopted by the California State Legislature in 1915. The act established the Los Angeles County Flood Control District and empowered it to provide flood protection, water conservation, recreation and aesthetic enhancement within its boundaries. LACFCD is governed, as a separate entity, by the County of Los Angeles Board of Supervisors.

21. In 1997, LACFCD proposed complete clearing of 100 earth-bottom channels in anticipation of the El Niño storm season, encompassing a total of 886 acres. Of this acreage, approximately 203 acres were vegetated.

22. LACFCD developed a Maintenance Plan for the Annual Clearing of Earth-Bottom Flood Control Channels in 1999 (1999 Maintenance Plan) in collaboration with the ACOE, CDFW (then California Department of Fish and Game (CDFG)) and the Los Angeles Water Board. The 1999 Maintenance Plan has been published under later dates, but all versions of the Maintenance Plan define the scope of channel clearance by the 1997 pre-El Niño clearing levels. For reaches 1-100 the scope is the same as described in the 1999 Maintenance Plan. For reaches 100 – 110 the date used to define the scope of channel clearance is consistent with the date of CEQA document preparation.

23. The ACOE permitted LACFCD's vegetation and debris clearing maintenance activities under the CWA Section 404 Nationwide Permit 31 "Maintenance of Existing Flood Control Facilities" in 1998. The Los Angeles Water Board issued a CWA Section 401 Water Quality Certification for these activities in 1999 (File No. 99-011). Also in 1999, LACFCD and CDFW (then CDFG) entered into a Streambed Alteration Agreement, Memorandum of Understanding (MOU 5-076-99). When permitting these activities in 1998 and 1999, the ACOE and the Los Angeles Water Board developed the first programmatic permit and 401 Certification for the earth-bottom channel maintenance activities.

24. The ACOE and the Los Angeles Water Board utilized clearing limits developed for the 1997 pre-El Niño clearing. However, the Los Angeles Water Board recognized the need to ultimately develop a more comprehensive plan beyond direct use of the 1997 clearing limits that would allow vegetation and the associated habitat to be preserved within these earth-bottom channels to the maximum extent feasible. At that time, the 404 permit and 401 Certification only authorized clearing activities in 48.2 acres of the approximately 203 vegetated acres.

25. To mitigate the 48.2 acres impacted by removal of vegetation, the Big Tujunga Wash Mitigation Area was established in accordance with the Master Mitigation Plan for the Big Tujunga Wash Mitigation Bank (Final Plan dated April 2000), which contains 62.7 acres (achieving a 1.3:1 mitigation ratio).

26. The success criteria for the Big Tujunga Wash Mitigation Area have been met. Field data collection for the functional analysis and success monitoring studies was conducted in

August 2012 and reported in the 2012 Annual Report for the Big Tujunga Wash Mitigation Area.

27. LACFCD continues to maintain the Big Tujunga Wash Mitigation Area to ensure its long-term sustainability and that of the resident aquatic resources. The site is maintained as per the Master Maintenance Plan (MMP) prepared in 2000 to serve as a five-year guide for implementation of various enhancement programs and to fulfill the California Department of Fish and Wildlife (CDFW) requirement for the preparation of a management plan for the site. Implementation of the MMP began in August 2000 and was completed five years later. The site continues to be maintained as per the long-term maintenance plan as described in the MMP.

28. The Permittee also is complying with all the requirements in the mitigation monitoring and reporting program for Stickleback River Ranch, dated April 2021 which is required by ACOE Section 404 permit (SPL-2013-00723-BLR), and CDFW Master Streambed Alteration Agreement (1600-2019-0224-R5) which permit earth-bottom clearing activities for specific reaches. This mitigation will be complete by 2030 or earlier.

29. The ACOE, after evaluation of updated information, has reissued the 404 permit under Nationwide Permit 31 for these channel maintenance activities by the LACFCD every five years since 1998. The Nationwide Permit was re-issued In March 2023.

30. The number of earth-bottom channel reaches authorized for maintenance under the ACOE 404 permit has changed during each permit cycle due to channels being combined, removed, or added. The ACOE divides channels into reaches that it considers to be sensitive and non-sensitive based on a Biological Opinion from the U.S. Fish and Wildlife Service. The ACOE normally incorporates special conditions such as avoidance of nesting seasons or hand clearing, for reaches it deems to be sensitive.

31. In 2003, the State Water Board issued Order No. 2003-0017-DWQ, "General Waste Discharge Requirements for Dredge and Fill Discharges that have received State Water Quality Certification," which requires compliance with all conditions of Water Quality Certifications. The 2003 State Water Board Order included regulation of discharges from earth-bottom channel maintenance.

32. The 401 Certification was renewed by the Los Angeles Water Board on October 17, 2003, conditionally authorizing maintenance of 99 earth-bottom channels. The Los Angeles Water Board extended the October 17, 2003 Water Quality Certification by letter on September 10, 2007 until March 15, 2008, and extended it by letter again on August 29, 2008 until January 31, 2009.

33. On February 4, 2010, the Los Angeles Water Board issued WDRs (Order No. R4-2010-0021, 2010 WDRs) to the LACFCD. The 2010 WDRs included 10 new channel reaches authorized to be cleared in addition to the reaches included in the previous 401 Certification. The 2010 WDRs also acted as 401 Certification for those 10 reaches.

34. As an outgrowth of the original Maintenance Plan development and the incomplete effort in 2008 to further develop an understanding of the hydrology and biological functions for each reach in order to reform and improve the required channel clearing and to make the basis

transparent to the Los Angeles Water Board and the public, the 2010 WDRs required "Feasibility Studies" for each watershed, stating " ... LACFCD shall implement the Feasibility Study process with a schedule of one or more watersheds per year to be analyzed, with completion of all watersheds/studies within six (6) years. LACFCD shall solicit input from stakeholders during Work Plan development and prior to finalizing the Technical Assessment Report and recommendations ... "

35. The Feasibility Studies of the 2010 WDRs were to determine where a potential may exist for native vegetation to remain within the earth-bottom portion of the channel. The Feasibility Studies also required identification of any channels that could potentially provide restoration opportunities for riparian habitat.

36. The required analyses were split over multiple years to allow LACFCD flexibility in completing the required studies. The data and technical ability necessary to conduct the required analyses exists within LACFCD.

37. LACFCD completed three Feasibility Study Workplans, including the Los Angeles River watershed (July 2010), the San Gabriel River watershed (January 2013) and the Malibu and Dominguez Channel (April 2014) watersheds prior to the expiration of the 2010 WDRs in 2015.

38. LACFCD finalized the Los Angeles River Feasibility Study in August 2013 after public notice and a public meeting. Results of these analyses conducted during the Los Angeles River Feasibility Study were presented to stakeholders at a technical workshop on June 24, 2013.

39. On February 12, 2015, the Los Angeles Water Board renewed WDRs and 401 Certification for the discharges associated with channel clearing activities in Los Angeles County (2015 WDRs) by adopting Order No. R4-2015-0032. The term of the renewed 2015 WDRs was one year.

40. Los Angeles Water Board direction to Los Angeles Water Board staff, upon issuance of the renewed 2015 WDRs, included:
    i. Ensure transparency and clarity with regards to the use and results of LACFCD and ACOE hydraulic models to determine channel capacities and reaches where more vegetation can remain;
    ii. Facilitate greater involvement of interested non-governmental stakeholder groups in discussions and, where possible, crafting of recommendations, regarding channel clearing activities, particularly in the Los Angeles River in light of river restoration and revitalization efforts; and
    iii. Coordinate principles and discussions related to activities regulated under this WDR with other water resource management efforts such as efforts to increase stormwater retention, beneficial use protection and enhancement, and river restoration projects.

41. Los Angeles Water Board staff and LACFCD staff initiated a series of in-depth discussions, referred to as "WDR Working Group Meetings," with interested stakeholder groups including Friends of the Los Angeles River, Arroyo Seco Foundation, Heal the Bay, The Nature Conservancy, Mountains Restoration Conservation Authority, San Fernando Valley Audubon, and Santa Clara Organization for Planning the Environment, which also included participation by ACOE, CDFW, and California Coastal Commission. Nine meetings were

held between April 2, 2015 and December 15, 2015. Agendas, presentations, meeting notes and sign-in sheets are available at https://dpw.lacounty.gov/lacfcd/WDR/workgroup.aspx.

42. During these WDR Working Group Meetings, the group prioritized its discussions and pilot efforts on the lower reaches of the Los Angeles River and:
    i. Discussed and raised the level of understanding of hydraulic models used in Feasibility Studies;
    ii. Reviewed the channel maintenance obligations of the LACFCD, including ACOE requirements for ACOE-built channels, levee safety requirements, and FEMA requirements;
    iii. Reviewed concerns of environmental and conservation organizations, including Friends of the Los Angeles River and Heal the Bay, especially pertaining to the lower Los Angeles River and Compton Creek;
    iv. Discussed results of a new Risk and Uncertainty analysis required for ACOE-built channels, as applied to Reach 25 of the Los Angeles River. As requested by stakeholders at the WDR Working Group Meetings, a reanalysis of the Los Angeles River was conducted by LACFCD. The results of this analysis and a discussion of the methodology used were provided at the WDR Working Group Meetings over several sessions. LACFCD also performed the ACOE's new Risk and Uncertainty analysis on Los Angeles River Reach 25 and results were provided at the WDR Working Group Meetings; and
    v. Identified, and then reviewed, results of a pilot project employing an alternative clearing method of mowing instead of scraping to remove vegetation in the lower Los Angeles River (Reach 25) and Compton Creek.

43. In addition to the analyses conducted for the Los Angeles River Feasibility Study, and as part of the WDR Working Group Meetings held throughout 2015, the LACFCD conducted additional analyses on the reaches of the Los Angeles River and presented the preliminary results of this additional analysis to Los Angeles Water Board staff and stakeholders participating in the WDR Working Group. Of the 25 reaches in the Los Angeles River Watershed, the Los Angeles River Feasibility Study Report identified eight reaches where additional native vegetation or the replacement of non-native vegetation with native vegetation could occur. No change in current maintenance vegetation clearance practices was recommended for eleven reaches due to insufficient hydraulic capacity for additional vegetation. In six reaches, additional vegetation removal may be required.

44. On December 10, 2015, Los Angeles Water Board staff, joined by staff from the LACFCD, ACOE, Friends of the Los Angeles River, Heal the Bay and Santa Clara Organization for Planning and the Environment, presented an information item to the Los Angeles Water Board to report on the progress of the WDR Working Group Meetings.

45. LACFCD finalized the San Gabriel River Feasibility Study in January 2016 after public notice. The San Gabriel River Feasibility Study was discussed at a WDR Working Group Meeting on February 12, 2016. All of the San Gabriel River maintained reaches are federally-built reaches and must be maintained to meet federal design standards. As such, the study concluded there was no opportunity to alter requirements without ACOE participation and likely the need for a Risk and Uncertainty analysis. Therefore, the consensus of the WDR Working Group was that further discussions at an additional public meeting was unnecessary.

46. On February 11, 2016, the Los Angeles Water Board amended the 2015 WDRs, Order No. R4-2015-0032 (Order No. R4-2015-0032-A 1) for discharges associated with channel clearing activities in Los Angeles County (2016 WDRs). The amendment extended the WDRs for approximately two and a half years and continued the requirements for Feasibility Studies and WDR Working Group meetings. The term of the 2016 WDRs expired on July 20, 2018.

47. LACFCD and the Los Angeles Water Board staff continued the WDR Working Group meetings with interested stakeholder groups including Friends of the Los Angeles River, Arroyo Seco Foundation, Heal the Bay, and The Nature Conservancy, along with participation by CDFW. Nine more meetings were held between February 18, 2016 and July 20, 2017. Agendas, presentations, meeting notes and sign-in sheets are available at https://dpw.lacounty.gov/lacfcd/WDR/workgroup.aspx.

48. During these continued WDR Working Group Meetings, the group:
    i. Discussed the Feasibility Studies and reviewed reaches where there was potential for additional vegetation (where there was additional flood capacity) based on LACFCD recommendations for those reaches;
    ii. Reviewed the maps LACFCD made available to the public, including GIS layers of LACFCD facilities;
    iii. Discussed water quality sampling required in the WDR relative to other monitoring in these channels;
    iv. Further discussed results of a pilot project employing an alternative clearing method of mowing instead of scraping to remove vegetation in the lower Los Angeles River
    v. (Reach 25) and Compton Creek (Reach 24);
    vi. Reviewed pilot projects in Bull Creek (Reach 7) and Pickens Canyon (Reach 19) to let more native vegetation remain during clearing activities; and
    vii. On September 15, 2016, held a field meeting adjacent to Compton Creek to observe clearing activities, equipment used, and Best Management Practices implemented to minimize impact during the maintenance activities. Questions by staff from Friends of the Los Angeles River and Heal the Bay regarding habitat and water quality monitoring during these activities were addressed.

49. LACFCD finalized the Malibu Creek and Dominguez Channel Feasibility Study in September 2016 after public notice and a public meeting on May 25, 2016.

50. LACFCD finalized the Santa Clara River and Antelope Valley Feasibility Study in August 2017 after public notice and a public meeting on February 1, 2018.

51. As of the finalization of the Santa Clara River and Antelope Valley Feasibility Study, all Feasibility Studies requirements were complete. Appropriate modifications to maintenance activities were incorporated into the June 2018 Master Maintenance Plan.

52. On July 31, 2018, the Los Angeles Water Board adopted renewed WDRs for discharges associated with channel clearing activities in Los Angeles County (Order No. R4-2018-0099; 2018 WDRs) which expires 5 years from the date of the Order. The 2018 WDRs authorized the maintenance of 96 earth-bottom channels. The 96 channels include a total of approximately 43 miles of waterways throughout Los Angeles County and approximately

1,276 acres of jurisdictional waters of the United States. The acreage authorized to be impacted was 734 acres.

53. The 2018 WDRs required LACFD to identify pilot projects to investigate alternative vegetation management methods that may be more protective of beneficial uses, especially wildlife and habitat uses. Examples of pilot projects could include for example mowing as opposed to scraping for vegetation clearing; clearing just one bank of a particular reach each year; replacing an invasive plant species such as *Arundo donax* with slower-growing native species; exploring different combinations of plant species in a given reach; or study and review of land use in the vicinity of a reach to determine if a level of infrequent flooding could be tolerated.

54. LACFCD selected to conduct the Maintenance Methodology Pilot Project (MMPP) in six soft-bottom channel reaches: Reach 24 (Compton Creek), Reach 25 (Lower Los Angeles River), Reach 7 (Bull Creek Main Channel Outlet), Reach 19 (Pickens Canyon) Reach 20 (Webber Channel Private Bridge) and Reach 21 (Webber Channel Main Inlet). The intent of the study was to investigate over a five-year period an alternative vegetation maintenance methodology period which aimed to leave more vegetation and root systems in the channel while maintaining the channel's designed flood flow capacity.

55. For each pilot project conducted, LACFCD was required to evaluate the project in terms of: a) ecological impact, impact to beneficial uses, and impact to local communities; b) positive or negative effects on downstream water quality; c) identification of conditions or requirements in permits or other requirements that would need to be modified for the pilot project to be required as routine maintenance; and d) impacts to LACFCD operations in terms of costs, schedule, resources, etc. LACFCD is currently implementing the interim recommendations of the feasibility study though the pilot projects. The current recommendation is to continue the current pilot maintenance practices. Final recommendations shall be made after a hydraulic analysis is performed at the pilot study reaches.

56. The final pilot study report for Reaches 24 (Compton Creek) and 25 (Lower Los Angeles River) was completed in December 2022. Results showed an increase in native vegetation, as the clearing method mimicked natural scouring during flooding events, creating habitat conditions preferred by certain species. The MMPP's alternative maintenance method led to increased use of the earth-bottom channels reaches by various bird species and resulted in cost savings and reduced maintenance duration.

57. The final pilot study report for Reaches 7 (Bull Creek Main Channel Outlet) and 19 (Pickens Canyon) and 19 was completed in January 2023. The study showed that selective removal of non-native vegetation while allowing native vegetation to persist did not produce a detectable change in maintenance duration, slightly increased the cost of maintenance, and did not change the number of staff required.

58. The final pilot study report for Reaches 20 (Webber Channel Private Bridge and Reach 21 (Webber Channel Main Inlet) was completed in June 2023. The study showed a slight increase in native dominant vegetation with no significant increase in cost or duration time of maintenance.

59. LACFCD shall continue to implement the MMPP for Reaches 7, 19, 20, 21, 24, and 25 until a flow capacity analysis is performed and reviewed. The analysis is needed to ensure that allowing more vegetation to remain in the reaches will not result in decreasing the capacity of the facilities to provide flood protection for the surrounding communities. LACFCD shall provide its maintenance recommendation to the Los Angeles Water Board after the flow capacity analysis is completed.

c. Project Settings

60. The reaches for which maintenance activities are authorized by this Order are located in the Los Angeles River watershed, San Gabriel River watershed, Santa Clara River watershed, Malibu Creek watershed, and Dominguez Channel watershed.

61. The Los Angeles River flows 51 miles from the western end of the San Fernando Valley to the Pacific Ocean at Long Beach and includes several major tributaries including Tujunga Wash, Burbank Western Channel, Arroyo Seco, Rio Hondo, and Compton Creek. The Los Angeles River watershed comprises an area of about 834 square miles. Of this area, the incorporated cities and unincorporated portion of Los Angeles County comprise 599 square miles. The remaining watershed consists of the Angeles National Forest.

62. The San Gabriel River watershed comprises a 682 square mile area of eastern Los Angeles County and has a main channel length of approximately 58 miles. It originates in the San Gabriel Mountains and flows through heavily developed areas before emptying into the Pacific Ocean in Long Beach. The main tributaries of the river are Walnut Creek, San Jose Creek, and Coyote Creek. In the middle of the watershed are large spreading grounds used for groundwater recharge. The watershed is hydraulically connected to the Los Angeles River through the Whittier Narrows Reservoir (occurring mostly during high storm flows).

63. The Santa Clara River is approximately 100 miles long and the watershed comprises approximately 1,200 square miles. The river originates on the northern slope of the San Gabriel Mountains in Los Angeles County, traverses Ventura County, and flows into the Pacific Ocean halfway between the cities of San Buenaventura and Oxnard. Large tributaries include Sespe, Piru and Santa Paula Creeks and a lagoon exists at the mouth of the river. Land use is predominately open space with concentrations of residential, agriculture, and some industrial uses along the main stem of the river. The Santa Clara River is the largest river system in southern California that remains in a relatively natural state.

64. The Malibu Creek watershed comprises 109 square miles. The watershed extends from the Santa Monica Mountains and adjacent Simi Hills to the Pacific Coast at Santa Monica Bay. Several creeks and lakes occur in the upper portions of the watershed, and these ultimately drain into Malibu Creek at the downstream end of the watershed. Malibu Creek drains into Malibu Lagoon, a 13-acre tidal lagoon.

65. The Dominguez Channel watershed is 133 square miles. This watershed includes the Los Angeles and Long Beach Harbors. The Dominguez Channel is 15 miles long. The watershed also includes Wilmington Drain, which empties into Machado Lake and other drainages, which drain directly or indirectly to the Los Angeles and Long Beach Harbors. Ninety-one percent of land in the watershed is developed.

d. Permitted Activities

66. The Project will maintain 94 soft-bottom channels and impact 733 acres of waters of the State.

67. Reaches 50 and 52 were part of the 2018 WDRs but were removed from this Order because they were modified into partially open/partially enclosed concrete channel, as authorized by Clean Water Act Section 401 Water Quality Certification No. 18-061.

68. Each of the 94 reaches is to undergo routine annual maintenance, which may include activities as described below. Activities shall not involve new construction, expansion, or alteration of any of the reaches. Non-native vegetation removal shall be utilized as the primary means of maintaining flood capacity with native vegetation management implemented only as a secondary method if necessary.

i. Vegetation and Sediment Clearing

- Conduct maintenance of 94 earth-bottom channel reaches in accordance with the 2023 Maintenance Plan. The Master Maintenance Plan is consistent with the Preliminary Jurisdictional Delineation Report prepared by LACFC_D dated September 4, 2014. The Master Maintenance Plan includes the hydrologic code, beneficial uses, length, acreage, maps and maintenance methods for each reach.[1]

- Conduct annual sediment and vegetation removal as authorized per the Master Maintenance Plan and per the schedule that LACFCD issues (Section XII, b. Reporting and Notification Requirements). Channel clearing shall not exceed the boundaries included for each reach in the Master Maintenance Plan as approved by the Los Angeles Water Board by this Order. Other changes to the Master Maintenance Plan shall be approved by the Executive Officer of the Los Angeles Water Board and other appropriate agencies including the Army Corps of Engineers (ACOE) and the California Department of Fish and Wildlife (CDFW).

- Conduct routine maintenance, inspection and calibration, including clearance of accumulated sediment and/or vegetation within three feet of the water quality monitoring equipment during dry weather as needed to ensure proper operation. Conduct periodic sediment and vegetation removal as authorized on an as-needed basis to provide continuous flow for water quality monitoring equipment.

- Conduct periodic sediment and vegetation removal as authorized, on an as-needed basis, to ensure proper drainage to address vector issues.

- In areas where there are sensitive species and native vegetation, clearing shall take place by hand as specified in the Master Maintenance Plan in order to selectively avoid protected resources. In other areas, clearing may be conducted with heavy equipment, including trucks, bulldozers, dump trucks, and front-end loaders, along with other

[1] While included in the Master Maintenance Plan, channel reaches identified as County Reach numbers 112-121 are not regulated by this Order. Any required maintenance in these channels will be permitted or certified by the Los Angeles Water Board separately.

specialized equipment. Equipment shall access the channels by existing access roads or by designated access paths.

ii. Maintenance of Existing Invert Access Ramps

- Conduct authorized maintenance activities for invert access ramps, which are critical structures for access to earth-bottom channel reaches whether constructed with dirt, lined with concrete, or armored with riprap on the sides. Authorized maintenance activities include inspection, minor maintenance repairs, and storm damage repair and rehabilitation. Storm damage repair and rehabilitation includes restoring ramps that are damaged or washed out during a storm, back to pre-storm conditions.

iii. Outlets, minor repairs and equipment maintenance

- Notching and limited vegetation removal from drain channel outlets is authorized on reaches where mechanical removal of sediment and vegetation is allowed and it is consistent with the original channel designs. In stream reaches where mowing or hand removal of vegetation is required, work on installing notches at 45 degrees and clearing drain channel outlets is authorized to be conducted by hand and/or hand tools, and shall be consistent with all terms of the Master Maintenance Plan.

- Conduct non-emergency minor repairs, which may include the following: regrading inverts to repair minor erosion and to remove ponded water; repair of minor storm damage; and in-kind structural repairs. These repairs may include, but are not limited to, minor in-kind riprap replacement, flap gate repair and/or replacement, invert and slope repairs, and erosion control structures.

- Conduct urgent work that is small in scope and conducted during and immediately after storm events.

- Conduct maintenance of monitoring equipment. In order to obtain accurate flow readings from all monitoring equipment mounted on bridges and/or other structures and prevent equipment damage, vegetation within monitored channels may be cleared to bank-full capacity upstream and downstream of the gauges, conduits, pumps, sensors, and probes or bridge. In addition, maintenance may include performing repair and in-kind replacement of existing monitoring equipment if inspections determine that such activities are required. Stream gauge maintenance shall occur between September I and March 15. Routine maintenance, inspection and calibration, including clearance of accumulated sediment and/or vegetation within three feet of the water quality monitoring equipment may be conducted, if needed, during dry weather to ensure proper operation.

V. Project Location

The Project site encompasses earth-bottom reaches located in the Los Angeles River watershed, San Gabriel River watershed, Santa Clara River watershed, Malibu Creek watershed, and Dominguez Channel watershed.

The Latitude and Longitude coordinates for each reach are included in Attachment E.

A map showing the Project location is found in Attachment A of this Order.

VI. Project Impact and Receiving Waters Information

The Project is located within the jurisdiction of the Los Angeles Water Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plan (Basin Plan) for the region and other plans and policies which may be accessed online at: http://www.waterboards.ca.gov/plans_policies/. The Basin Plan includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies.

It is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by requiring discharges to meet contaminant levels designed to protect human health and ensure that water is safe for domestic use.

Project impact and receiving waters information including beneficial uses of waters of the state can be found in Attachment E.

VII. Description of Direct Impacts to Waters of the State

Total Project fill/excavation quantities for all impacts are summarized in Table 1. These are not new or additional impacts but an accounting of areas which have been, and continue to be, impacted by yearly clearing. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition only.

Table 1: Total Project Fill/Excavation Quantity

Aquatic Resource Type	Temporary Impact[2]			Permanent Impact					
				Physical Loss of Area			Degradation of Ecological Condition Only		
	Acres	CY[3]	LF	Acres	CY	LF	Acres	CY	LF
Stream Channel							733		

VIII. Avoidance and Minimization

The Project qualified as a tier 2 project and the Project is the least environmentally damaging practicable alternative. (State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State, section IV.A.1.h).

The Permittee provided the following analysis of alternatives to the Project:

Preferred Project

LACFCD maintains 94 earth-bottom channels. The purpose of the Soft-Bottom Channel Reaches 1-110 Annual Maintenance Project is to maintain adequate capacity in these engineered earth-bottom channels, which are a critical part of the LACFCD's flood control facilities in order to reduce the risk

[2] Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance which could result in a discharge to waters of the state.

[3] Cubic Yards (CY); Linear Feet (LF)

of loss of life or property that could result from flooding during large storm events, while simultaneously protecting water quality and beneficial uses of these channels.

A series of Feasibility Studies were conducted at each of the soft-bottom reaches to determine where there was additional flood capacity. Reaches 7, 19, 20, 21, 24 and 25 were determined to retain additional capacity. Maintenance at these six reaches now allows for more native vegetation to remain during clearing activities.

Alternative 1 – No Project

Maintenance of Reaches 1-110 would not occur.

The result of no maintenance is faulty. Over time, the vegetation and debris in the channels will increase to the degree that the channels' holding capacity will be severely limited. This limited capacity will inevitably lead to flooding. Flooding at these locations has the potential to lead to loss of life and/or property.

Alternative 2 - Reduction in the maintenance of Reaches 1-110

A second alternative is to reduce the maintenance efforts conducted at the soft-bottom channel reaches. This reduction could be in the frequency, quantity or quality of vegetation removed from the site.

The 2016 WDRs (Order No. R4-2015-0032-A1) required that a Feasibility Study be conducted by watershed on soft-bottom channel reaches 1-110. The goal of the Feasibility Study was to determine whether a potential may exist for native vegetation to remain within the soft-bottom portion of the channel or whether additional hydraulic capacity was needed. The study sought to reveal both the opportunity for additional native vegetation to remain, or to replace non-native vegetation and the need to ensure that flood control requirements are met. The LACFCD conducted Feasibility Studies between 2013 and 2018. The Feasibility Studies addressed capacity requirements for flood control; design criteria and anticipated limitations; and included an analysis of potential areas where vegetation could remain; areas with the potential for restoration of native vegetation; and/or where justification existed to clear additional vegetated area.

As mentioned in the Preferred Project, of the 94 reaches, 6 were identified to possess sufficient hydraulic capacity to allow for additional vegetation. The remaining 90 reaches were at capacity or below capacity given the current maintenance methods. Any further reduction in maintenance at these reaches would leave the channel at risk of overflowing and thus flooding the surrounding areas. The channels were designed to hold a set volume of water and to reduce capacity by limiting maintenance activities, would leave the surrounding area prone to flooding. This flooding has the potential to cause the loss of life and/or property.

IX. Compensatory Mitigation

The compensatory mitigation for previously authorized impacts to waters of the state was successfully completed. No additional compensatory mitigation is required for permanent impacts to stream channel because the Project does not propose new impacts. All mitigation areas shall be preserved and maintained as habitat in perpetuity.

X. California Environmental Quality Act (CEQA)

The Los Angeles Water Board has determined that the Project is exempt from review under CEQA pursuant to California Water Code of Regulations, title 14, section 15061. Specifically, the issuance of this Order and the activities described herein meet the exemption criteria under California Code of Regulations title 14, section(s) 15301 (Existing Facilities). Additionally, the Los Angeles Water Board concludes that no exceptions to the CEQA exemption apply to the activities approved by this Order.

XI. Petitions for Reconsideration

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

XII. Fees Received

The fee amount for the proposed Project has been determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as Fill and Excavation Discharges with the dredge and fill fee calculator.

Table 2: Record of Fees Received

Date Received	Check No.	Amount
December 22, 2022	TS0032399394	**$2,734.00**
June 20, 2023	TS0033011232	**$234,456.00**
	Total	**$237,190.00**

XIII. Findings

1. This Order is adopted pursuant to section 401 of the Clean Water Act and the California Porter-Cologne Water Quality Control Act (Cal. Water Code § § 13000, et seq.). Discharges to waters of the state are prohibited except when in accordance with Water Code section 13264. Notwithstanding any determinations made by the U.S. Army Corps or other federal agency pursuant to 40 C.F.R. section 121.9, dischargers must comply with the entirety of this Order because the Order also serves as waste discharge requirements in accordance with State Water Board Water Quality General Order No. 2003-0017-DWQ.

2. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.

3. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law.

4. In response to a suspected violation of any condition of this Order, the Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem appropriate, provided that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.

5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project.

6. This Order does not provide coverage under the Construction General Permit. As applicable, dischargers shall maintain compliance with conditions described in, and required by, the NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-009-DWQ; NPDES No. CAS000002 as amended by Order No. 2010-0014-DWQ, Order No. 2012-0006-DWQ, and any amendments thereto) (General Construction Permit). Enrollment in the Construction General Permit may be required for construction activity resulting in a land disturbance of one acre or more, or less than one acre but part of a larger common plan of development or sale. For projects with ground disturbing activities that require enrollment in the Construction General Permit, dischargers shall maintain compliance with conditions described in, and required by the Permit. For ground disturbing activities that do not require enrollment in Order No. 2009-0009-DWQ, project plans included with the application shall include appropriate erosion and sediment control measures as described in the *Best Management Practices* Section (Stormwater subsection) below.

7. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & Wildlife Code, sections 2050-2097) or the federal Endangered Species Act (16 U.S.C. sections 1531-1544). If a “take” will result from any act authorized under this Order held by the discharger, the discharger must obtain authorization for the take prior to any construction or operation of the portion of the Project that may result in a take. The discharger is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.

8. This Order includes monitoring and reporting requirements pursuant to Water Code section 13267. The burden of preparing these reports, including costs, are reasonable to the need and benefits of obtaining the reports. The reports confirm that the best management practices required under this Order are sufficient to protect beneficial uses and water quality objectives. The reports related to accidental discharges also ensure that corrective actions, if any, that are necessary to minimize the impact or clean up such discharges can be taken as soon as possible. The anticipated costs are minimal as the reporting obligations require only visual monitoring, in-field measurements, and notification reporting.

XIV. Conditions

The Los Angeles Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watersheds of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions. This Order provides reasonable assurance that the Project authorized under this

Order will comply with state and federally approved water quality requirements, provided that the following conditions are adhered to.

A. Authorization

Impacts to waters of the state shall not exceed quantities shown in Table 1.

B. Reporting and Notification Requirements

Requirements for the content of these reporting and notification types are detailed in Attachment C, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and Notification Cover Sheet located in Attachment C, which must be signed by the Permittee or an authorized representative.

1. Project Reporting

a. Annual Workplan and Thresholds for Additional Review. Pursuant to California Water Code section 13267, the Permittee shall submit an Annual Workplan with a schedule of the upcoming reaches proposed for maintenance clearing. Annual Workplan and Thresholds for Additional Review requirements are detailed in Attachment C. The Permittee shall send the Annual Workplan not later than August 1 of each year to the Los Angeles Water Board Executive Officer and 401 Certification Unit staff, and send notices of additional routine maintenance work as the needs are discovered in the field. The Executive Officer may require additional time to review or add additional requirements or require separate permitting for certain activities proposed upon review of the Annual Workplan or notice of additional routine maintenance work; however, if the Executive Officer does not provide any comments, additional requirements or a request for additional time within 30 days for the Annual Workplan, or 15 days for the notice of additional routine maintenance work, LACFCD is authorized to proceed pursuant to the Annual Workplan or notice of additional routine maintenance work as proposed.

b. Schedules. Prior to any maintenance activities within the subject reaches, the Permittee shall publish approximate schedules (including baseline biological surveys and maintenance activity descriptions). This information shall be made publicly available on the LACFCD website and via email notification or other direct notification to watershed councils and other interested persons prior to any routine maintenance activities. Schedules reporting requirements are detailed in Attachment C.

c. Annual Reporting: The Permittee shall submit an Annual Report by May 1st of each year this Order is in effect. Annual Reporting requirements are detailed in Attachment C. Any revisions to the previous Annual Reporting outline and/or technical or field checklists shall be submitted to the Executive Officer for approval within 60 days of the issuance of this Order.

After submission to the Los Angeles Water Board Executive Officer, the Permittee shall post the Annual Report to the LACFCD website.

2. Conditional Notifications and Reports: The following notifications and reports are required as appropriate.

a. Accidental Discharges of Hazardous Materials[4]

Following an accidental discharge by the Permittee of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):

i. As soon as (A) the Permittee has knowledge of the discharge or noncompliance, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
- first call – 911 (to notify local response agency)
- then call – Office of Emergency Services (OES) State Warning Center at: (800) 852-7550 or (916) 845-8911
  Lastly, follow the required OES procedures as set forth in the Office of Emergency Services' Accidental Discharge Notification Web Page (https://www.caloes.ca.gov/office-of-the-director/operations/response-operations/fire-rescue/hazardous-materials/spill-release-reporting/)

ii. Following notification to OES, the Permittee shall notify the Los Angeles Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, or delivered written notice.

iii. Within five (5) working days of notification to the Los Angeles Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.

b. Violation of Compliance with Water Quality Standards: The Permittee shall notify the Los Angeles Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, or delivered written notice.

i. Examples of noncompliance events include: lack of any reporting in a timely manner, lack of storm water treatment following a rain event, discharges causing a visible plume in a water of the state, water contact with uncured concrete, and exceedances of limits for the analytes for *In-Water Work or Diversions* listed below.

ii. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.

c. In-Water Work or Diversion

i. If stream diversion is planned to occur in a manner which deviates from the pre-approved 2016 Water Diversion Manual, the Permittee shall submit to Los Angeles Water Board staff a Stream Diversion Plan, with a diagram and a narrative description of the method to divert the stream and associated Best Management

[4] "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Saf. Code, § 25501.)

Practices (BMPs) for acceptance, at least 30 days in advance of any stream diversion.

ii. During in-water work and stream diversion, water quality monitoring shall be conducted. Requirements for water quality monitoring are below.

iii. The Permittee shall include all annual in-water work reports and diversions water quality monitoring reports in the Annual Reports

d. Modifications to Project: Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Los Angeles Water Board staff if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform Los Angeles Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order.

e. Transfer of Property Ownership: This Order is not transferable in its entirety or in part to any person or organization except after receiving certification for the Project from the Los Angeles Water Board. In addition:

i. The Permittee must notify the Los Angeles Water Board of any change in ownership or interest in ownership of the Project area by submitting a Transfer of Property Ownership Report. The Permittee and purchaser must sign and date the notification and provide such notification to the Los Angeles Water Board at least 30 days prior to the transfer of ownership.

ii. Until such time as a new Order has been issued, the Permittee shall continue to be responsible for all requirements set forth in this Order.

f. LACFCD shall continue the meaningful dialogue with interested stakeholders started under the WDR Working Group through long-term planning efforts, such as Lower Los Angeles River Revitalization Plan and Los Angeles River Master Plan Update. LACFCD will host stakeholder meetings on an as-needed basis when there are topics/issues related to the earth-bottom channels' maintenance.

C. Continued Assessment of Reaches

a. LACFCD shall continue to assess and review, as appropriate, the hydraulic capacity and existing conditions of all reaches covered by this Order to identify any channels which may potentially provide restoration opportunities for riparian habitat/vegetation growth and support modifications to channel clearing activities to achieve greater levels of avoidance and minimization.

b. If LACFCD wishes to add new reaches to the permit, LACFCD shall apply for an amendment or apply for the new reaches when the permit is renewed. For the new reaches,LACFCD shall review hydraulic analyses or conduct new hydraulic analyses to identify possible methods to minimize additional potential impacts in those reaches and report results to the Los Angeles Water Board. The Master Maintenance Manual may be updated in the future with reductions to allowed impact.

c. If LACFCD identifies a revised channel clearing or restoration opportunity based on changes to the contributing drainage area or other significant change since completion of the applicable feasibility study, LACFCD shall submit any identified channel clearing or restoration opportunity recommendations to the Los Angeles Water Board Executive Officer. Recommendations shall also include suggested schedules of vegetation removal frequency in order to ensure the maximum habitat preservation is achieved, consistent with necessary flood control. For recommendations approved by the Executive Officer and by other appropriate regulatory agencies including the ACOE and CDFW, LACFCD shall make the necessary changes to the Master Maintenance Plan, including proposals for additional BMPs as may be appropriate.

d. LACFCD shall conduct Risk and Uncertainty analyses or other appropriate analyses, working with the ACOE, as warranted, in order to identify those reaches with federally required maintenance requirements that may be candidates for revised maintenance procedures that would allow more vegetation to remain in the channel, or that would allow alternative channel clearing approaches/methods potentially more protective of beneficial uses. LACFCD may apply under section 14 of the Rivers and Harbors Act of 1899, codified at 33 U.S.C. section 408 (commonly referred to as "Section 408"), or may pursue alternative approaches as determined by the ACOE for modification of federally required maintenance requirements with the ACOE, if appropriate.

D. Water Quality Monitoring

1. **General:** If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).

2. **Accidental Discharges/Noncompliance:** Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Los Angeles Water Board staff may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.

3. **In-Water Work or Diversions:**

   During planned work in water or stream diversions, any discharge(s) to waters of the state shall conform to the following water quality standards:

   a. Oil and Grease. Waters shall not contain oils, greases, waxes or other materials in concentrations that result in a visible film or coating on the surface of the water or on objects in the water, that cause nuisance, or that otherwise adversely affect beneficial uses.

   b. Dissolved Oxygen. At a minimum, the mean annual dissolved oxygen concentration of all waters shall be greater than 7 mg/L, and no single determination shall be less than 5.0 mg/L, except when natural conditions cause lesser concentrations.

   The dissolved oxygen content of all surface waters designated as WARM shall not be depressed below 5 mg/L as a result of waste discharges.

The dissolved oxygen content of all surface waters designated as COLD shall not be depressed below 6 mg/L as a result of waste discharges.

The dissolved oxygen content of all surface waters designated as both COLD and SPWN shall not be depressed below 7 mg/L as a result of waste discharges.

c. pH. The pH of inland surface waters shall not be depressed below 6.5 or raised above 8.5 as a result of waste discharges. Ambient pH levels shall not be changed more than 0.5 units from natural conditions as a result of waste discharge.

The pH of bays or estuaries shall not be depressed below 6.5 or raised above 8.5 as a result of waste discharges. Ambient pH levels shall not be changed more than 0.2 units from natural conditions as a result of waste discharge.

d. Turbidity. Downstream TSS shall be maintained at ambient levels. Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%.

Sampling shall be conducted in accordance with Table 3 sampling parameters.[5]

Table 3: Sample Type and Frequency Requirements

Parameter	Unit of Measurement	Type of Sample	Minimum Frequency
Oil and Grease	N/A	Visual	Continuous
Dissolved Oxygen	mg/L & % saturation	Grab	Daily for the first week, weekly, thereafter
pH	Standard Units	Grab	Daily for the first week, weekly, thereafter
Turbidity	NTU	Grab	Daily for the first week, weekly, thereafter
Temperature	°F (or as °C)	Grab	Daily for the first week, weekly, thereafter

Baseline sampling shall be conducted at a minimum of one location within the project boundary for each phase. All other sampling shall take place at a minimum of two locations. In streams or flowing water, the sample locations shall be upstream and downstream of the Project. Analyses must be performed using approved U.S. Environmental Protection Agency methods, where applicable. These constituents shall be measured at least once prior to diversion and then monitored on a daily basis during the first week of diversion and/or

[5] Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Los Angeles Water Board staff. Grab samples shall be taken between the surface and mid-depth and not be collected at the same time each day to get a complete representation of variations in the receiving water. A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

dewatering activities, and then on a weekly basis, thereafter, until the in-stream work is complete. Results of the analyses shall be included in *Violation of Compliance with Water Quality Standards* reports**,** if necessary, and in the Annual Reports in a tabular format containing results of each parameter for each channel reach. A map or drawing indicating the locations of sampling points shall be included with each submittal. A summary of results shall discuss the analysis. Every measurement not meeting the compliance limits shall be accompanied by an explanation, the actions taken to correct the degradation to waters, and addressed in *Violation of Compliance with Water Quality Standards* report described above.

E. Post-Construction: The Permittee shall visually inspect the reaches after maintenance during the rainy season to ensure excessive erosion, stream instability, or other water quality pollution is not occurring in or downstream of the Project site. If water quality pollution is occurring, contact the Los Angeles Water Board staff member overseeing the Project within three (3) working days. The Los Angeles Water Board may require the submission of a Violation of Compliance with Water Quality Standards Report. Additional permits may be required to carry out any necessary site remediation.

F. Standard Conditions

1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, chapter 28, Article 6 commencing with sections 3867-3869, inclusive. Additionally, the Los Angeles Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Los Angeles Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. § 1313). For purposes of Clean Water Act section 401(d), the condition constitutes a limitation necessary to assure compliance with water quality standards and appropriate requirements of state law.

2. This Order is not intended and shall not be construed to apply to any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license, unless the pertinent certification application was filed pursuant to subsection 3855(b) of chapter 28, title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.

3. This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.

G. General Compliance

1. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Los Angeles Water Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy.

2. Authorization under this General Order is granted based on the application information submitted, including engineering plans, specifications, and technical reports. Water Code section 13264 prohibits any discharge that is not specifically authorized in this General Order.

3. This Order and all of its conditions and requirements contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project.

H. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment B of this Order.

2. The Permittee shall grant Los Angeles Water Board staff, or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:

1. Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.
2. Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.
3. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.
4. Sample or monitor for the purposes of assuring Order compliance.

3. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.

4. A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.

5. Lake and Streambed Alteration Agreement - The Permittee shall submit a signed copy of the Department of Fish and Wildlife's lake and streambed alteration agreement to the Los Angeles Water Board immediately upon execution and prior to any discharge to waters of the state.

6. This Order shall expire **five (5) years** from date of this Order. The Applicant shall submit a complete application at least 90 days prior to termination of this Order if renewal is requested.

I. Best Management Practices

1. Dewatering and/or Stream Diversion

a. All surface waters, including ponded waters, shall be diverted away from areas undergoing grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water.

b. Diversion activities shall not result in the degradation of beneficial uses or exceedance of water quality objectives of the receiving waters.

c. The Permittee shall follow the 2016 Water Diversion Manual. For circumstances which require a deviation from the 2016 Water Diversion Manual, the Permittee shall submit an individual surface water diversion to the Los Angeles Water Board for approval plan prior to the diversion (see section XIV.C.3).

d. No activities shall involve wet excavations (i.e., no excavations shall occur below the seasonal high-water table). A minimum 5-foot buffer zone shall be maintained above the existing groundwater level. If construction or groundwater dewatering is proposed or anticipated, the Permittee shall file a Report of Waste Discharge with the Los Angeles Water Board and obtain any necessary permits prior to discharging waste. Sufficient time should be allowed to obtain any such permits (generally 180 days). If groundwater is encountered without the benefit of appropriate permits, the Permittee shall cease all activities in the areas where groundwater is present, file a Report of Waste Discharge to the Los Angeles Water Board and obtain any necessary permits prior to discharging waste.

2. Fugitive Dust

a. All excavation, construction, or maintenance activities shall follow best management practices to minimize impacts to water quality and beneficial uses. Dust control activities shall be conducted in such a manner that will not produce downstream runoff.

3. Site Management

a. The Permittee shall follow the "Construction Site Best Management Practices (BMPs) Manual" developed by the Los Angeles County Department of Public Works in 2010 and all other necessary BMPs.

b. Maintenance clearing activities shall not result in indirect impacts to water quality, water quantity or beneficial uses of downstream waterbodies, both during maintenance activities themselves and during subsequent operations.

c. Maintenance clearing activities shall not result in changes in water quality in the channel that would cause or contribute to water quality exceedances during periods between maintenance activities, or upon their annual completion.

d. The Permittee shall comply with the specifications of its 2023 Master Maintenance Plan, or any subsequently approved plans.

e. The Permittee shall comply with all water quality objectives, prohibitions, and policies set forth in the Basin Plan, as amended.

f. The Permittee shall implement all Best Management Practices as outlined in the 2023 Master Maintenance Plan, or any subsequently approved plans.

g. Fueling, lubrication, maintenance, operation, and storage of vehicles and equipment shall not result in a discharge or a threatened discharge to waters of the State. At no time shall the Permittee use any vehicle or equipment which leaks any substance that may impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of waters of the State.

h. No construction material, spoils, debris, or any other substances associated with this project that may adversely impact water quality standards shall be located in a manner which may result in a discharge or a threatened discharge to waters of the State. Designated spoil and waste areas shall be visually marked prior to any excavation and/or construction activity and storage of the materials shall be confined to these areas.

i. If ongoing maintenance activities on a new channel reach were covered by previous certifications with mitigation, additional mitigation will not be required. Prior to clearing of the new reaches, or where additional clearing has been authorized by the Los Angeles Water Board, the Permittee shall document and provide to the Los Angeles Water Board the amount of riparian vegetation to be removed for maintenance in these reaches.

j. All mitigation areas shall be preserved and maintained as habitat in perpetuity.

k. All maintenance activities not included in this Order, and which may require a permit, shall be reported to the Los Angeles Water Board for appropriate permitting. Bank stabilization and grading, as well as any other ground disturbances, are subject to restoration and revegetation requirements, and may require additional permitting action.

l. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order and all subsequent submittals required as part of this Order. However, the requirements and conditions within this Order and Attachments supersede any conflicting provisions within the Permittee's submittals.

4. Hazardous Materials

a. All waste and/or dredged material removed shall be relocated to a legal point of disposal if applicable. A legal point of disposal is defined as one for which WDRs have been established by a California Regional Water Quality Control Board and is in full compliance therewith.

5. Invasive Species and Soil Borne Pathogens

a. The Permittee shall implement the Plan for Hazard Analysis and Critical Control Points dated April 1, 2010 (HACCP) in all reaches in the Malibu and Santa Monica watersheds or any subsequently Executive Officer-approved HACCP to limit the spread of invasive species.

b. This Order does not authorize application of pesticides. Any such application that may be necessary as part of the maintenance activities authorized by this Order shall be separately permitted through the appropriate statewide general pesticide application permit.

c. Application of pesticides shall be supervised by a certified applicator and be in conformance with manufacturer's specifications for use. Compounds used must be appropriate to the target species and habitat. Pesticide utilization shall be in accordance with State Water Board pesticide permits. If the Permittee, or other County agency in support of the Permittee, plans to use any pesticides in these reaches, the Permittee shall also specify the General NPDES permit (i.e. Vector Control or Weed Control) and submit the WDID number

and the Pesticide Action Plan or Aquatic Pesticides Application Plan with the Annual Workplan. If the Permittee or other County agency in support of the Permittee, enrolls in one of the abovementioned permits during the year for use in a reach included in this Order due to an emerging issue such as an emerging vector control issue, the Permittee shall submit the WDID number and the Pesticide Action Plan or Aquatic Pesticides Application Plan as soon as available.

6. Sediment Control and Stabilization/Erosion Control

a. The Permittee shall not conduct any routine maintenance activities within waters of the State during a rainfall event. The Permittee shall maintain a one-day (1-day) clear weather forecast before conducting any operations within waters of the State. If rain is predicted within 12 hours after operations have begun, activities shall cease temporarily, protective measures to prevent siltation/erosion shall be implemented and maintained and all material and equipment shall be removed from the earth-bottom reach.

7. Wildlife and Special Status Species

a. Prior to start of any annual maintenance, qualified biologists shall perform pre-maintenance biological resource surveys and photo documentation. Sensitive/endangered species focused surveys shall be conducted per the Master Maintenance Plan. No work shall commence without confirmation of findings or no findings of sensitive/endangered species from the biologists. These surveys are also meant to minimize impact on any resources that may potentially use or benefit from the channel.

b. During construction, biologists shall be available for consultation for any issues that may arise.

c. If maintenance activities on monitoring equipment are necessary during the nesting season, appropriate nesting bird surveys will be conducted prior to starting work.

d. The Permittee shall utilize the services of a qualified biologist with expertise in riparian assessments during all construction activities where maintenance involves partially clearing areas (i.e., some vegetation is to remain in the same reach or in an adjacent reach). The biologist shall be available if necessary, during maintenance activities to ensure that all protected areas are marked properly and ensure that no vegetation outside the specified areas is removed. The biologist shall have the authority to stop the work, as necessary, if instructions are not followed. The biologist shall be available upon request from the Los Angeles Water Board for consultation within 24 hours of request of consultation.

e. The discharge shall not: a) degrade surface water communities and populations including vertebrate, invertebrate, and plant species beyond the permitted vegetation removal; b) promote the breeding of mosquitoes, gnats, black flies, midges, or other pests; c) alter the color, create visual contrast with the natural appearance, or cause aesthetically undesirable discoloration of the receiving waters; d) cause formation of sludge deposits; or e) adversely affect any designated beneficial uses.

8. Stormwater

a. The Project shall comply with the local regulations associated with the Los Angeles Water Board's Municipal Stormwater Permit issued to Los Angeles and Ventura County and co-permittees under NPDES No. CAS004004 and Waste Discharge Requirements Order No. R4-2021-0105 or subsequent order.

b. If not enrolled in the General Construction Permit, the Permittee shall develop and implement a site-specific Storm Water Pollution Prevention Plan (SWPPP) and a Rain Event Action Plan (REAP) as described in the General Construction Permit.

XV. Water Quality Certification

I hereby issue the Order for the Maintenance Clearing of Engineered Earth-Bottom Channels for Flood Control, 4WQC40122117 certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards).

This discharge is also regulated pursuant to State Water Board Water Quality Order No. 2003-0017-DWQ which authorizes this Order to serve as Waste Discharge Requirements pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.).

Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order; and, (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and Policies, the Regional Water Boards' Water Quality Control Plans and Policies.

for Susana Arredondo
Executive Officer
Los Angeles Water Quality Control Board

Date

Los Angeles Regional Water Quality Control Board

CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER

Effective Date: June 6, 2022

Program Type: Fill/Excavation

Reg. Meas. ID:	401455
Place ID:	815800
WDID:	4WQC40115038
NWP:	31
USACOE#:	2013-00723-BLR 2014-00707-BLR
R4 File No:	15-038

Project Type: Channel Construction and Maintenance

Project: Annual Maintenance of Soft Bottom Channel Reaches (SBC) Reach 112 (Ballona Creek), Reach 114 (Lower Los Angeles River), Reach 115 (Lower San Gabriel River), and Reaches 118 and 119 (Rustic and Rivas Canyons) (Project)

Applicant: Los Angeles County Flood Control District

Applicant Contact: Steven Sheridan
Assistant Deputy Director
Los Angeles County Flood Control District
900 S. Fremont Ave, Annex Building 2nd Floor
Alhambra, California 91802
Phone: (626) 458-4145; Email: Ssherida@dpw.lacounty.gov

Applicant's Agent: Nandini Moran
Los Angeles County Flood Control District
900 S. Fremont Ave, Annex Building 2nd Floor
Alhambra, California 91802
Phone: (626) 458-7810; Email: Ntmoran@dpw.lacounty.gov

Water Board Staff: Valerie Carrillo Zara, P.G.
320 W. 4th Street, Suite 200
Los Angeles, CA 90013
Phone: 213-576-6759; Email:
Valerie.CarrilloZara@waterboards.ca.gov

Water Board Contact Person:
If you have any questions, please call the Los Angeles Regional Water Quality Control Board (Los Angeles Water Board) Staff listed above or (213) 576-6600 and ask to speak with the Water Quality Certification and Wetlands Unit Program Manager.

Table of Contents

I. Order 3
II. Public Notice 3
III. Project Purpose 3
IV. Project Description 3
V. Project Location 6
VI. Project Impact and Receiving Waters Information 7
VII. Description of Direct Impacts to Waters of the State 8
VIII. Compensatory Mitigation 8
IX. California Environmental Quality Act (CEQA) 8
X. Petitions for Reconsideration 9
XI. Fees Received 9
XII. Conditions 9
XIII. Water Quality Certification 18

Attachment A Maps
Attachment B Signatory Requirements
Attachment C Report and Notification Requirements

I. Order

This Clean Water Act (CWA) section 401 Water Quality Certification action and Order (Order) is issued at the request of the Los Angeles County Flood Control District (hereinafter Permittee) for the Project. This Order is for the purpose described in the application and supplemental information submitted by the Permittee. The application was received on March 23, 2018. The application was deemed complete on July 25, 2020.

II. Public Notice

The Los Angeles Water Board provided public notice of the application pursuant to California Code of Regulations, title 23, section 3858 from May 8, 2018 to the effective date of the Order. The Los Angeles Water Board did not receive any comments during the comment period.

III. Project Purpose

The Project purpose is to conduct annual maintenance in five Soft Bottom Channel reaches to diminish the significant risk of flooding to the adjacent communities, and to address any deficiencies from the U.S. Army Corps of Engineers (USACE) Periodic Inspections for the Levee Safety Program.

IV. Project Description

These reaches are not included in the Permittees' larger, Earth Bottom Channel Maintenance Waste Discharge Requirements and CWA section 401 Water Quality Certification, Order No. R4-2018-0099 (File No. 99-011). In addition, this Order combines the renewal for four CWA section 401 Water Quality Certifications: Maintenance of Reach 112, originally certified in 2015, under File No. 14-125; Maintenance of Reach 114, originally certified in 2015, under File No. 15-038; Maintenance of Reach 115, originally certified in 2015, under File No. 14-132; and Maintenance of Reaches 118 and 119, originally certified in 2015, under File No. 15-038.

In addition, in the fall of 2013, the Permittee obtained a USACE CWA section 404 Regional General Permit (RGP) No. 41 to authorize removal of the invasive giant reed (*Arundo donax*) along a portion of SBC Reach 114, including the Los Angeles River from Pacific Coast Highway to Anaheim Street, in the City of Long Beach. The invasive vegetation removal activities were issued CWA section 401 Water Quality Certification, File No.13-110.

Reach 112: The Permittee will restore Soft-Bottom Channel (SBC) Reach 112 in Ballona Creek to design capacities, and then it will be maintained annually. Annual maintenance will include, but not be limited to, mechanically removing accumulated sediment and debris, mowing the vegetation in the channel to ensure the proper functioning of the flood control infrastructure, and minor repair work (such as repair of the riprap and concrete levees and maintenance of outlet structures) throughout the channel reach as necessary. Weeds and grasses may be controlled by mowing or hand labor, and the channel will be cleared annually to the same baseline condition. Permanent impacts are comprised of 2.6 acres of non-native vegetation in the stream channel. No wetlands will be impacted.

In order to comply with USACE Periodic Inspections for the Levee Safety Program and assure public safety, LACFCD must provide maintenance and minor repair activities including removal of vegetation overgrowth from levee side slopes and rip-rap repair work.

Only non-native vegetation will be removed from levee banks using manual and mechanical equipment. Native vegetation will remain in place, per the Lake and Streambed Alteration Agreement with the California Department of Fish and Wildlife for this facility.

Reach 114: The Permittee will restore SBC Reach 114 in the Los Angeles River to design capacities, and then it will be maintained annually. Annual maintenance will include, but not be limited to, mechanically removing accumulated sediment and debris, mowing the vegetation in the channel to ensure the proper functioning of the flood control infrastructure, and minor repair work (such as repair of the flap gates, riprap, and concrete levees) throughout the channel reach as necessary. The channel will be cleared annually to the same baseline condition. This reach has been regularly maintained and no new permanent impacts are proposed.

In order to comply with USACE Periodic Inspections for the Levee Safety Program and assure public safety, the Permittee must provide maintenance and repair activities, including removal of vegetation overgrowth from levee side slopes and rip-rap repair work.

Only non-native vegetation will be removed from levee banks using manual and mechanical equipment. Areas mapped as Coastal Salt Marsh (disturbed or not, generally, areas with pickleweed) will be avoided and not impacted in order to prevent impacts to native species and potentially sensitive species. Native vegetation will remain in place, per the Lake and Streambed Alteration Agreement with the California Department of Fish and Wildlife for this facility.

Specifically, work in Reach 114 will include:

- Non-native woody vegetation on the riverside levee slopes will be removed down to the roots annually per the original baseline condition.
- Weeds and grasses may be controlled by mowing or hand labor.
- Vegetation, trash, and debris on the reach right-of-way and in the riprap will be cleared.
- When root removal creates a cavity in the riprap, the cavity will be filled in and the soil compacted.
- The freshwater wetlands (formerly Arundo areas) in the upstream portion between Pacific Coast Highway and Anaheim Street will be maintained annually through mowing and trash removal. The sediment benches will not be removed.

Reach 115: The Permittee will restore SBC Reach 115 in the San Gabriel River Estuary to design capacities, and then it will be maintained annually. Annual maintenance will include, but not be limited to, mechanically removing accumulated sediment and debris, mowing the vegetation in the channel to ensure the proper functioning of the flood control infrastructure, and minor repair work throughout the channel reach as necessary. The channel will be cleared annually to the same baseline condition. Permanent impacts are comprised of removal of 0.6 acres of giant reed (*Arundo donax*) and 5.0 acres of non-native vegetation in the stream channel. No wetlands will be impacted.

In order to comply with USACE Periodic Inspections for the Levee Safety Program and assure public safety, LACFCD must provide maintenance and minor repair activities including removal of vegetation overgrowth from levee side slopes and rip-rap repair work.

No heavy equipment will be used in areas mapped as Coastal Salt Marsh (disturbed or not; generally, areas with pickleweed). These areas will be avoided and not impacted in order to prevent impacts to native species and potentially sensitive species.

Specifically, work in Reach 115 will include:

- All invasive vegetation with roots greater than ½ inch will be removed per the USACE Levee Certification Vegetation Removal Project.
- Vegetation will be removed by mechanical and manual methods on both banks annually until all non-compliant vegetation is removed.
- Strips of riprap will be removed in strategic locations from the access road down to no more than halfway down the levee face. Steel track equipment will be driven on it. Riprap will be replaced before the end of the work day after work in that location is completed.
- Voids left by extracting the woody vegetation's root mass will be filled with native soil or non-native fill from other large excavation projects nearby. The soil will be tested before leaving its origin to ensure it is safe for usage within the levee material. The imported fill will be compacted with sheepsfoot attachment and the riprap replaced.
- Weeds and grasses may be controlled by mowing or hand labor.
- Annual clearing of all woody vegetation will occur along the entire reach on both banks below the access roads using mechanical equipment placed on the access road.
- Vegetation, debris, and brush growing on the reach right-of-way and in the riprap will be cleared.
- Non-native trees and shrubs will be trimmed in order to reduce the impact on flow in the reach as future growth occurs.
- Trash, debris, and non-native vegetation will be cleared by hand within easement boundaries.

Reaches 118 and 119: The Permittee will restore SBC Reaches 118 and 119 in Rustic Canyon and Rivas Canyon Channels to design capacities, and then will be maintained annually. Rivas Canyon Channel is tributary to Rustic Canyon Channel. Annual maintenance will include, but not be limited to, mechanically removing accumulated sediment and debris, mowing the vegetation in the channel to ensure the proper functioning of the flood control infrastructure, and minor repair work throughout the channel reach as necessary. The channel will be cleared annually to the same baseline condition. This reach has been regularly maintained and no new permanent impacts are proposed.

The site will be accessed through a private property, located at 14470 Rustic Creek Lane, Pacific Palisades, California 90272, that is also to be used as a staging area.

Specifically, work in Reaches 118 and 119 will include:

- All vegetation within the reach will be removed using hand tools.
- Mapped wetlands will be cleared by hand only and machinery will not enter these areas.
- New non-native vegetation will be removed by hand using hand tools, such as weedeaters, hedge trimmers, chainsaws, hoes, pitch forks, loppers, machetes, and using a rubber-tracked skidsteer loader as necessary.
- Sediment benches will be mechanically mowed annually.
- Minor repair work to the wooden wall structures and eroded banks will be conducted on an as-needed basis.
- These structural repairs may include filling voids with onsite material, repairing small portions of the wood walls, replacing support structures for the walls and appurtenant structures, and other miscellaneous items encountered.

- To move a skidsteer loader from one section of the channel to the next, temporary earthen ramps will be constructed at the drop structures with available onsite soils. The earthen ramps will be removed after vegetation is removed and earthen material will be redistributed evenly throughout the site.
- Trash, debris, and non-native vegetation will be cleared by hand within easement boundaries.

V. Project Location

The Project is located in multiple locations in Los Angeles County.

Reach 112:

Latitude	Longitude
33.986970	-118.415848
33.986630	-118.415579
33.980722	-118.424186
33.980655	-118.423362
33.964644	-118.451612
33.963839	-118.451054
33.979642	-118.424490
33.978993	-118.425350

Reach 114:

Latitude	Longitude
33.790017	-118.206244
33.790205	-118.204770
33.783967	-118.204714
33.773990	-118.204669
33.767159	-118.204661
33.767083	-118.206268
33.773942	-118.206243
33.783912	-118.206222

Reach 115:

Latitude	Longitude
33.790701	-118.091318
33.778072	-118.097137
33.775056	-118.098192
33.782067	-118.096517
33.781784	-118.095645
33.775061	-118.097249
33.778168	-118.098083
33.791020	-118.092197

Reaches 118 and 119:

Latitude	Longitude
34.046107	-118.513778
34.044522	-118.513307
34.041824	-118.514181
34.037860	-118.516645

34.045400	-118.513429
34.043159	-118.513300
34.040217	-118.515775
34.035450	-118.517726

Maps showing the Project location are found in Attachment A of this Order.

VI. Project Impact and Receiving Waters Information

The Project is located within the jurisdiction of Los Angeles Water Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plan (Basin Plan) for the region and other plans and policies which may be accessed online at: http://www.waterboards.ca.gov/plans_policies/. The Basin Plan includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies.

It is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by requiring discharges to meet contaminant levels designed to protect human health and ensure that water is safe for domestic use.

Reach 112

Receiving Water:	Ballona Creek Reach 2 (Hydrologic Unit Code: 180701040200)
Designated Beneficial Uses:	MUN*, REC-1, REC-2, WARM, WILD *Conditional beneficial use

Reach 114

Receiving Water:	Los Angeles River (Hydrologic Unit Code: 180701050402)
Designated Beneficial Uses:	IND, NAV, REC-1, REC-2, COMM, EST, MAR, WILD, RARE, MIGR, SPWN, SHELL, WET

Reach 115

Receiving Water:	San Gabriel River Estuary (Hydrologic Unit Code: 180701060606)
Designated Beneficial Uses:	IND, NAV, REC-1, REC-2, COMM, EST, MAR, WILD, RARE, MIGR, SPWN, SHELL

Reach 118 and 119

Receiving Water:	Rustic Canyon Channel (Hydrologic Unit Code: 180701040402)

Designated Beneficial Uses:	MUN*, REC-1, REC-2, WARM, WILD *Conditional beneficial use

VII. Description of Direct Impacts to Waters of the State

Total Project fill/excavation quantities for all impacts are summarized in Table 1. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition only.

Table 1: Total Project Fill/Excavation Quantity

Aquatic Resource Type	Temporary Impact[1]			Permanent Impact		
				Physical Loss of Area		
	Acres	CY[2]	LF	Acres	CY	LF
Stream Channel Reach 112	77.83			2.6		
Stream Channel Reach 114	100.40					
Stream Channel Reach 115	109.42			5.6		
Stream Channel Reach 118 and 119	1.54					
TOTAL	**289.19**			**8.20**		

VIII. Compensatory Mitigation

The Permittee has agreed to provide the compensatory mitigation described in section XII. H. for temporary impacts that include temporal loss and/or degradation of ecological condition.

The Permittee has agreed to provide the compensatory mitigation described in section XIII. I. for permanent impacts.

IX. California Environmental Quality Act (CEQA)

The Los Angeles Water Board has determined that the Project is exempt from review under CEQA pursuant to California Water Code of Regulations, title 14, section 15061. Specifically, the issuance of this Order and the activities described herein meet the exemption criteria under California Code of Regulations title 14, section(s) 15301 Existing Facilities. Additionally, the Los Angeles Water Board concludes that no exceptions to the CEQA exemption apply to the activities approved by this Order.

[1] Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance which could result in a discharge to waters of the state.

[2] Cubic Yards (CY); Linear Feet (LF)

X. Petitions for Reconsideration

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

XI. Fees Received

The fee amount for the proposed project has been determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as Fill and Excavation Discharges with the dredge and fill fee calculator.

Table 2: Record of Fees Received

Date Received	Check No.	Amount
March 23, 2018	0026220756	$720
March 23, 2018	0026220758	$720
March 23, 2018	0026220755	$720
March 23, 2018	0026220757	$720
October 18, 2019	0028491393	$139,200
	Total	**$142,100**

XII. Conditions

The Los Angeles Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watersheds of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

A. Authorization

Impacts to waters of the state shall not exceed quantities shown in Table 1.

B. Reporting and Notification Requirements

Requirements for the content of these reporting and notification types are detailed in Attachment C, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and Notification Cover Sheet located in Attachment C, which must be signed by the Permittee or an authorized representative.

1. Project Reporting

a. **Annual Reporting:** The Permittee shall submit an Annual Report each year on the anniversary of Project effective date. Annual Reporting requirements are detailed in Attachment C. Annual reporting shall continue until a Notice of Project Complete Letter is issued to the Permittee.

2. Project Status Notifications

a. **Request for Notice of Completion of Discharges Letter:** The Permittee shall submit a Request for Notice of Completion of Discharges Letter following completion of active Project construction activities, including any required restoration and permittee-responsible mitigation. This request shall be submitted to the Los Angeles Water Board staff within thirty (30) days following completion of all Project construction activities. Upon acceptance of the request, Los Angeles Water Board staff shall issue a Notice of Completion of Discharges Letter to the Permittee, which will end the active discharge period and associated annual fees.

b. **Request for Notice of Project Complete Letter:** The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete,[3] and no further Project activities will occur. This request shall be submitted to Los Angeles Water Board staff within thirty (30) days following completion of all Project activities. Upon approval of the request, the Los Angeles Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.

3. **Conditional Notifications and Reports:** The following notifications and reports are required as appropriate.

a. **Accidental Discharges of Hazardous Materials**[4]

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):

i. As soon as (A) Permittee has knowledge of the discharge or noncompliance, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
- first call – 911 (to notify local response agency)
- then call – Office of Emergency Services (OES) State Warning Center at: (800) 852-7550 or (916) 845-8911
- Lastly, follow the required OES procedures as set forth in: http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill_Booklet_Feb2014_FINAL_BW_Acc.pdf

ii. Following notification to OES, the Permittee shall notify the Los Angeles Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, or delivered written notice.

[3] Completion of post-construction monitoring shall be determined by Los Angeles Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria.

[4] "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Saf. Code, § 25501.)

iii. Within five (5) working days of notification to the Los Angeles Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.

b. Violation of Compliance with Water Quality Standards: The Permittee shall notify the Los Angeles Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, or delivered written notice.

i. Examples of noncompliance events include: lack of any reporting in a timely manner, lack of storm water treatment following a rain event, discharges causing a visible plume in a water of the state, water contact with uncured concrete, and exceedances of limits for the analytes for *In-Water Work or Diversions* listed below.

ii. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.

c. In-Water Work or Diversion

i. If stream diversion will be necessary, the Permittee shall submit to the Los Angeles Water Board staff a Stream Diversion Plan, with a diagram and a narrative description of the method to divert the stream and associated BMPs for acceptance, at least 30 days in advance of any stream diversion.

ii. During stream diversion, water quality monitoring shall be conducted. Requirements for water quality monitoring are below.

iii. The Permittee shall notify the Los Angeles Water Board at least forty-eight (48) hours prior to initiating work in water or stream diversions. Notification may be via telephone, e-mail, or delivered written notice.

iv. Within three (3) working days following completion of work in water or stream diversions, an In-Water Work/Diversions Water Quality Monitoring Report must be submitted to Los Angeles Water Board staff.

d. Modifications to Project

Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Los Angeles Water Board staff if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform Los Angeles Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order.

e. Transfer of Property Ownership: This Order is not transferable in its entirety or in part to any person or organization except after notice to the Los Angeles Water Board in accordance with the following terms:

i. The Permittee must notify the Los Angeles Water Board of any change in ownership or interest in ownership of the Project area by submitting a Transfer of Property Ownership Report. The Permittee and purchaser must sign and date the notification and provide such notification to the Los Angeles Water Board at least 10 days prior to the transfer of ownership.

ii. Until such time as this Order has been modified to name the purchaser as the permittee, the Permittee shall continue to be responsible for all requirements set forth in this Order.

C. Water Quality Monitoring

1. **General:** If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).

2. **Accidental Discharges/Noncompliance:** Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Los Angeles Water Board staff may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.

3. **In-Water Work or Diversions:**

   During planned work in water or stream diversions any discharge(s) to waters of the state shall conform to the following water quality standards:

   a. Oil and Grease. Waters shall not contain oils, greases, waxes or other materials in concentrations that result in a visible film or coating on the surface of the water or on objects in the water, that cause nuisance, or that otherwise adversely affect beneficial uses.

   b. Dissolved Oxygen. At a minimum, the mean annual dissolved oxygen concentration of all waters shall be greater than 7 mg/L, and no single determination shall be less than 5.0 mg/L, except when natural conditions cause lesser concentrations. The dissolved oxygen content of all surface waters designated as WARM shall not be depressed below 5 mg/L as a result of waste discharges.

   c. pH. The pH of inland surface waters shall not be depressed below 6.5 or raised above 8.5 as a result of waste discharges. Ambient pH levels shall not be changed more than 0.5 units from natural conditions as a result of waste discharge.

   d. Turbidity. Downstream TSS shall be maintained at ambient levels. Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%.

   Sampling shall be conducted in accordance with Table 3 sampling parameters.[5]

[5] Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Los Angeles Water Board staff. Grab samples shall be taken between the surface and mid-depth and not be collected at the same time each day to get a complete representation of variations in the receiving water. A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

Table 3: Sample Type and Frequency Requirements			
Parameter	Unit of Measurement	Type of Sample	Minimum Frequency
Oil and Grease	N/A	Visual	Continuous
Dissolved Oxygen	mg/L & % saturation	Grab	Daily for the first week, weekly, thereafter
pH	Standard Units	Grab	Daily for the first week, weekly, thereafter
Turbidity	NTU	Grab	Daily for the first week, weekly, thereafter
Temperature	°F (or as °C)	Grab	Daily for the first week, weekly, thereafter

Baseline sampling shall be conducted at a minimum of one location within the project boundary for each phase. All other sampling shall take place at a minimum of two locations. In streams or flowing water, the sample locations shall be upstream and downstream of the Project. Results of the analyses shall be submitted to this Regional Board by the 15th day of each subsequent sampling month. A map or drawing indicating the locations of sampling points shall be included with each submittal. A summary of results shall discuss the analysis. Every measurement not meeting the compliance limits shall be accompanied by an explanation, the actions taken to correct the degradation to waters, and addressed in *Violation of Compliance with Water Quality Standards* report described above.

D. Standard

1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, chapter 28, Article 6 commencing with sections 3867-3869, inclusive. Additionally, the Los Angeles Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Los Angeles Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. § 1313). For purposes of Clean Water Act section 401(d), the condition constitutes a limitation necessary to assure compliance with water quality standards and appropriate requirements of state law.

2. This Order is not intended and shall not be construed to apply to any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license, unless the pertinent certification application was filed pursuant to subsection 3855(b) of chapter 28, title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.

3. This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.

4. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. For purposes of Clean Water Act, section 401(d), the

applicability of any state law authorizing remedies, penalties, processes, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Order.

E. General Compliance

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.

2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Los Angeles Water Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.

3. In response to a suspected violation of any condition of this Order, the Los Angeles Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem appropriate, provided that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.

4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.

5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project. For purposes of Clean Water Act, section 401(d), this condition constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements of state law.

6. **Construction General Permit Requirement:** If enrolled, the Permittee shall maintain compliance with conditions described in, and required by, NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ and NPDES No. CAS 000002 as amended by Order No. 2010-0014-DWQ, Order No. 2012-0006-DWQ, and any amendments thereto) (General Construction Permit).

F. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment B of this Order.

2. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544). If a “take” will result from any act

authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take prior to any construction or operation of the portion of the Project that may result in a take. The Permittee is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.

3. The Permittee shall grant Los Angeles Water Board staff, or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:

   a. Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.

   b. Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.

   c. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.

   d. Sample or monitor for the purposes of assuring Order compliance.

4. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.

5. A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.

6. Lake and Streambed Alteration Agreement – The Permittee shall submit a signed copy of the Department of Fish and Wildlife's lake and streambed alteration agreement to the Los Angeles Water Board immediately upon execution and prior to any discharge to waters of the state.

7. This Order shall expire **five (5) years** from date of this Order. The Applicant shall submit a complete application at least 90 days prior to termination of this Order if renewal is requested.

G. Best Management Practices

1. The Permittee shall follow best management practices for all excavation, construction, or maintenance activities to minimize impacts to water quality and beneficial uses.

2. The Permittee shall install a debris fence at the base of the slopes and sand bags or stop logs along the base of the work site to prohibit dust/debris from leaving the site that could later find its way into the watercourse.

3. The Permittee shall have a qualified biological monitor available on-site if necessary.

4. The Permittee shall schedule all work to occur outside of bird nesting season. If work needs to be conducted within nesting bird season (March 15 - August 31), vegetation that provides potentially suitable habitat for nesting shall be surveyed weekly by a biologist within 48 hours of the start of work. Work shall only proceed once the biologist has confirmed that no nesting

birds are present. If a nest is discovered, an appropriate buffer determined by the biologist shall be designated and demarked with flagging for crews to avoid.

5. The Permittee shall ensure that fueling, lubrication, maintenance, operation, and storage of vehicles and equipment does not result in a discharge or a threatened discharge to waters of the State. At no time shall the Permittee use any vehicle or equipment which leaks any substance that may impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of waters of the State.

6. The Permittee shall not locate construction material, spoils, debris, or any other substances associated with this project that may adversely impact water quality standards in a manner which may result in a discharge or a threatened discharge to waters of the State. Designated spoil and waste areas shall be visually marked prior to any excavation and/or construction activity, and storage of the materials shall be confined to these areas.

7. The Permittee shall relocate all waste or dredged material removed to a legal point of disposal.

8. The Permittee shall ensure that the application of pesticides is supervised by a certified applicator and in conformance with manufacturer's specifications for use. Compounds used shall be appropriate to target species and habitat. Pesticide use shall be in accordance with State Water Resources Control Board Water Quality Orders for pesticide usage.

9. The Permittee shall not conduct any construction activities within waters of the State during a rainfall event. The Permittee shall maintain a five-day (5-day) clear weather forecast before conducting any operations within waters of the State.

10. If rain is predicted after operations have begun, the Permittee shall cease activities immediately and the site shall be stabilized to prevent impacts to water quality and minimize erosion and runoff from the site.

11. The Permittee shall utilize the services of a qualified biologist with expertise in riparian assessments during any vegetation clearing activities. The biologist shall be available on site during construction activities to ensure that all protected areas are marked properly and ensure that no vegetation outside the specified areas is removed. The biologist shall have the authority to stop the work, as necessary, if instructions are not followed. The biologist shall be available upon request from this Regional Board for consultation within 24 hours of request of consultation.

12. No activities shall involve wet excavations (i.e., no excavations shall occur below the seasonal high water table). A minimum 5-foot buffer zone shall be maintained above the existing groundwater level. If construction or groundwater dewatering is proposed or anticipated, the Permittee shall file a Report of Waste Discharge (ROWD) to the Los Angeles Water Board and obtain any necessary NPDES permits/Waste Discharge Requirements prior to discharging waste.

13. The monitoring biologist will identify locations with a New Zealand mudsnail population before work begins. If equipment comes into contact near the four 78-inch flapgate location, the Permittee will follow the practices listed in the 2010 Hazard Analysis and Critical Control Point

(HACCP) Soft-Bottom Channel Maintenance Activities Within the Malibu and Santa Monica Canyon Watersheds.

14. The project shall comply with the local regulations associated with the Los Angeles Water Board's Municipal Stormwater Permit issued to Discharges within the Coastal Watersheds of Los Angeles and Ventura Counties under NPDES No. CAS004004 and Waste Discharge Requirements Order No. R4-2021-0105 or subsequent order.

H. On-site Mitigation for Temporary Impacts

1. The Permittee shall restore all areas of temporary impacts to waters of the state and all Project site upland areas of temporary disturbance which could result in a discharge of waters of the state.

2. Restoration shall include grading of disturbed areas to pre-project contours. Areas of temporary impacts will revegetate naturally until the next annual maintenance.

Table 4: Required Project Mitigation Quantity for Temporary Impacts

Aquatic Resource Type	Mit. Type[6]	Units	Method[7]					
			Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Stream Channel	PR	Acres			289.19			

I. Compensatory Mitigation for Permanent Impacts[8]

1. Total Required Compensatory Mitigation

a. The Permittee is required to provide compensatory mitigation for the authorized permanent impact to stream channel by enhancement at a minimum 1:1 area replacement ratio (8.2 acres). Mitigation will consist of enhancement in the area by allowing native vegetation to reestablish itself after non-natives have been removed. Mitigation requirements have been set based the understanding of the strict USACE flood levee requirements. Additional compensatory mitigation will be assessed in future renewals of this certification if impacts exceed the original footprint.

b. Total required Project compensatory mitigation information for permanent physical loss of area, ecological degradation and temporal loss is summarized in Table 5.

[6] Mitigation type for onsite restoration of temporary impacts is Permittee Responsible (PR).

[7] Methods: establishment (Est.), reestablishment (Re-est.), rehabilitation (Reh.), enhancement (Enh.), preservation (Pres.). Unknown applies to advance credits with an unknown method and or location.

[8] Compensatory Mitigation is for permanent physical loss and permanent ecological degradation of a water of the state.

Table 5: Required Project Compensatory Mitigation Quantity								
Aquatic Resource Type	Comp Mit. Type[9]	Units	Method[10]					
			Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Stream Channel	PR	Acres				8.2		

XIII. Water Quality Certification

I hereby issue the Order for the Annual Maintenance of Soft Bottom Channel Reaches (SBC) Reach 112 (Ballona Creek), Reach 114 (Lower Los Angeles River), Reach 115 (Lower San Gabriel River), and Reaches 118 and 119 (Rivas and Rustic Canyons), 4WQC40115038, certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards).

This discharge is also regulated pursuant to State Water Board Water Quality Order No. 2003-0017-DWQ which authorizes this Order to serve as Waste Discharge Requirements pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.).

Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order; and, (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and Policies, the Regional Water Boards' Water Quality Control Plans and Policies.

June 6, 2022

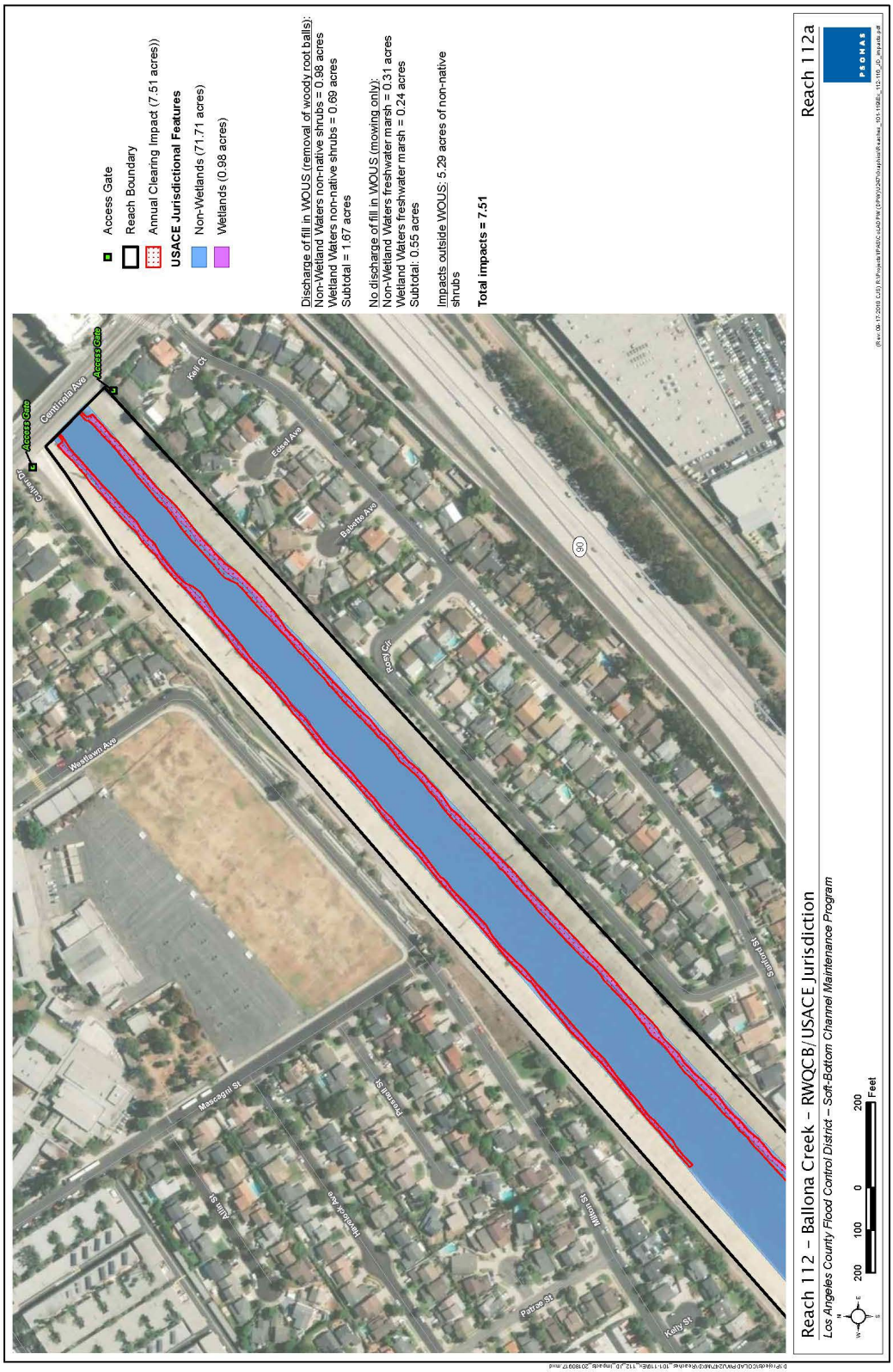
Renee Purdy
Executive Officer
Los Angeles Water Quality Control Board

Date

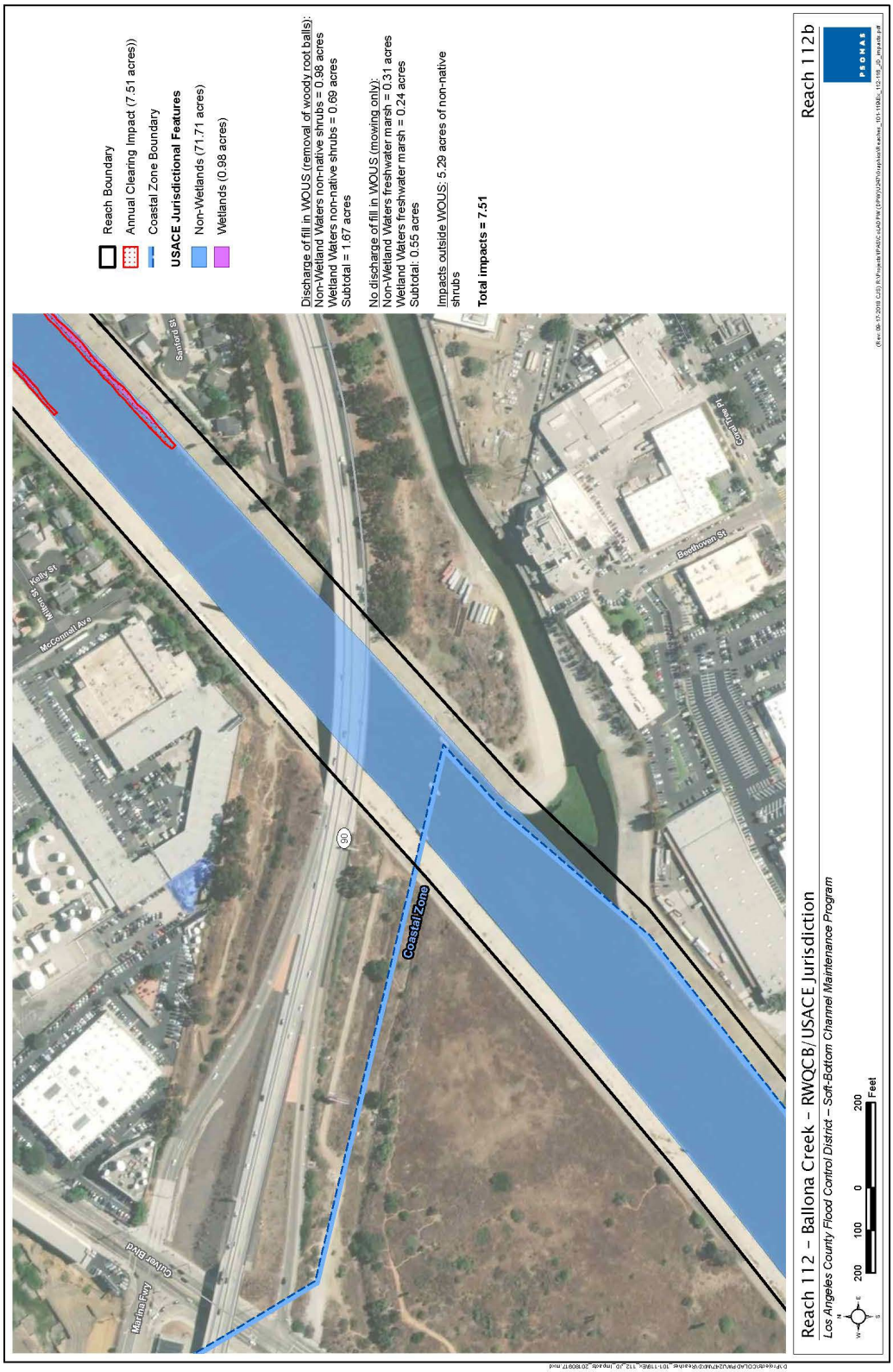
[9] Compensatory mitigation type may be: In-Lieu-Fee (ILF); Mitigation Bank (MB); Permittee-Responsible (PR)

[10] Methods: establishment (Est.), reestablishment (Re-est.), rehabilitation (Reh.), enhancement (Enh.), preservation (Pres.). Unknown applies to advance credits with an unknown method and or location.

Reach 112


Access Gate
Reach Boundary
Annual Clearing Impact (7.51 acres))
USACE Jurisdictional Features
Non-Wetlands (71.71 acres)
Wetlands (0.98 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters non-native shrubs = 0.98 acres
Wetland Waters non-native shrubs = 0.69 acres
Subtotal = 1.67 acres
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters freshwater marsh = 0.31 acres
Wetland Waters freshwater marsh = 0.24 acres
Subtotal: 0.55 acres
Impacts outside WOUS: 5.29 acres of non-native shrubs
Total impacts = 7.51
Reach 112a
Reach 112 – Ballona Creek – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
200 100 0 200 Feet
PSOMAS
Access Gate
Access Gate
Centinela Ave
Keil Ct
Ecsel Ave
Babette Ave
Westlawn Ave
Sawtelle Blvd
Massachusetts St
Preservation Park
Allin St
Hemlock Ave
Patrice St
Kelly St
Milton St
90

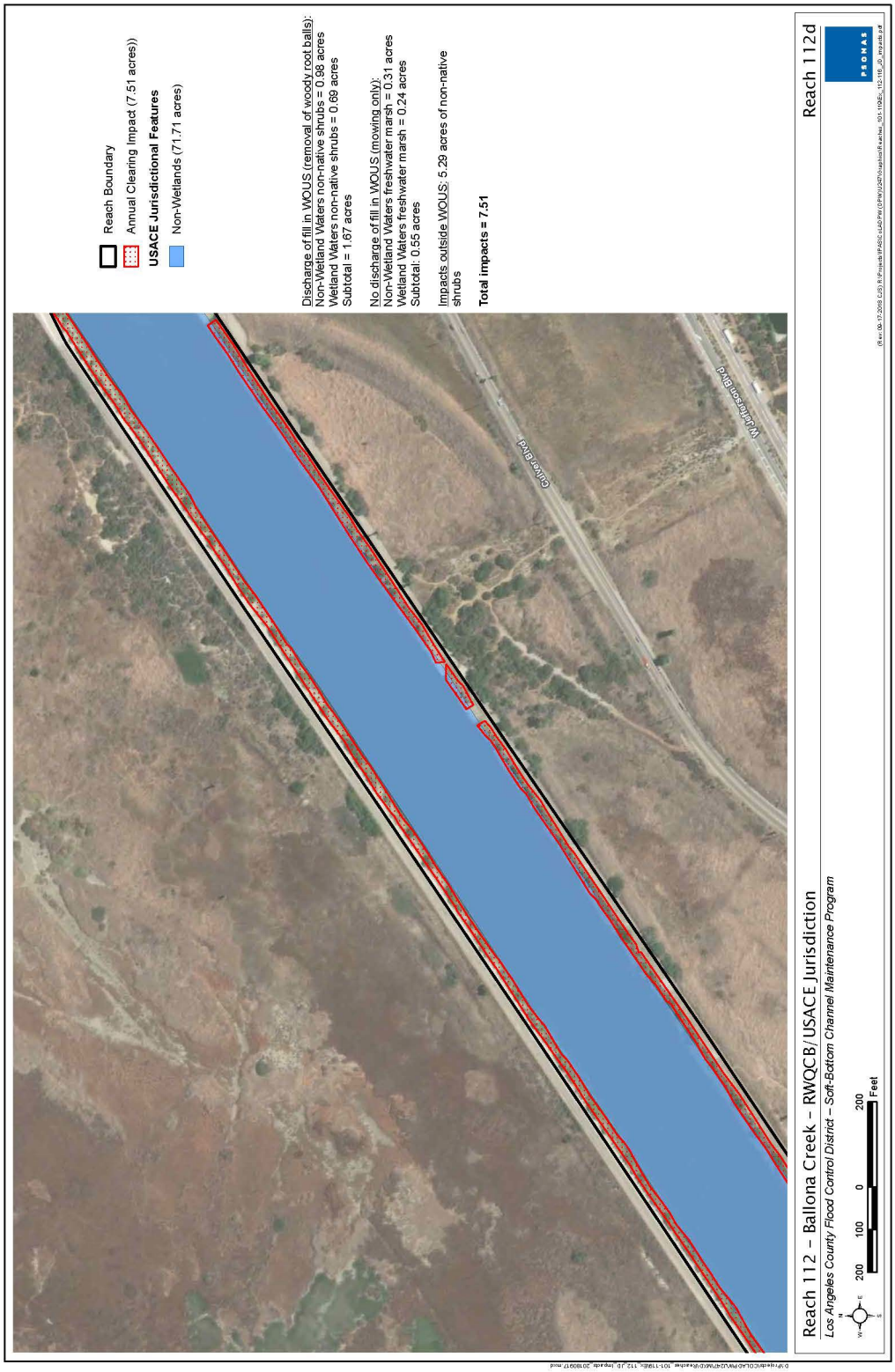
Reach 112


Reach Boundary
Annual Clearing Impact (7.51 acres))
Coastal Zone Boundary
USACE Jurisdictional Features
Non-Wetlands (71.71 acres)
Wetlands (0.98 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters non-native shrubs = 0.98 acres
Wetland Waters non-native shrubs = 0.69 acres
Subtotal = 1.67 acres
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters freshwater marsh = 0.31 acres
Wetland Waters freshwater marsh = 0.24 acres
Subtotal: 0.55 acres
Impacts outside WOUS: 5.29 acres of non-native shrubs
Total impacts = 7.51
Reach 112b
Reach 112 – Ballona Creek – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
200 100 0 200 Feet
Coastal Zone
Culver Blvd
Marina Fwy
McConnell Ave
Kelly St
Sanford St
Beethoven St
Cloverlawn Pl
90

Reach 112

Access Gate
Reach Boundary
Annual Clearing Impact (7.51 acres))
Coastal Zone Boundary
USACE Jurisdictional Features
Non-Wetlands (71.71 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters non-native shrubs = 0.98 acres
Wetland Waters non-native shrubs = 0.69 acres
Subtotal = 1.67 acres
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters freshwater marsh = 0.31 acres
Wetland Waters freshwater marsh = 0.24 acres
Subtotal: 0.55 acres
Impacts outside WOUS: 5.29 acres of non-native shrubs
Total impacts = 7.51
Reach 112c
Reach 112 – Ballona Creek – RWQCB/ USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Feet
Coastal Zone
Access Gate
Lincoln Blvd
Culver Blvd
Playa Vista Dr
Fountain Parkway Dr
Bristol
W Jefferson Blvd
W Wessel Dr

Reach 112


Reach Boundary
Annual Clearing Impact (7.51 acres))
USACE Jurisdictional Features
Non-Wetlands (71.71 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters non-native shrubs = 0.98 acres
Wetland Waters non-native shrubs = 0.69 acres
Subtotal = 1.67 acres
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters freshwater marsh = 0.31 acres
Wetland Waters freshwater marsh = 0.24 acres
Subtotal: 0.55 acres
Impacts outside WOUS: 5.29 acres of non-native shrubs
Total impacts = 7.51
Clover Blvd
W Jefferson Blvd
Reach 112 – Ballona Creek – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Reach 112d
200 100 0 200
Feet

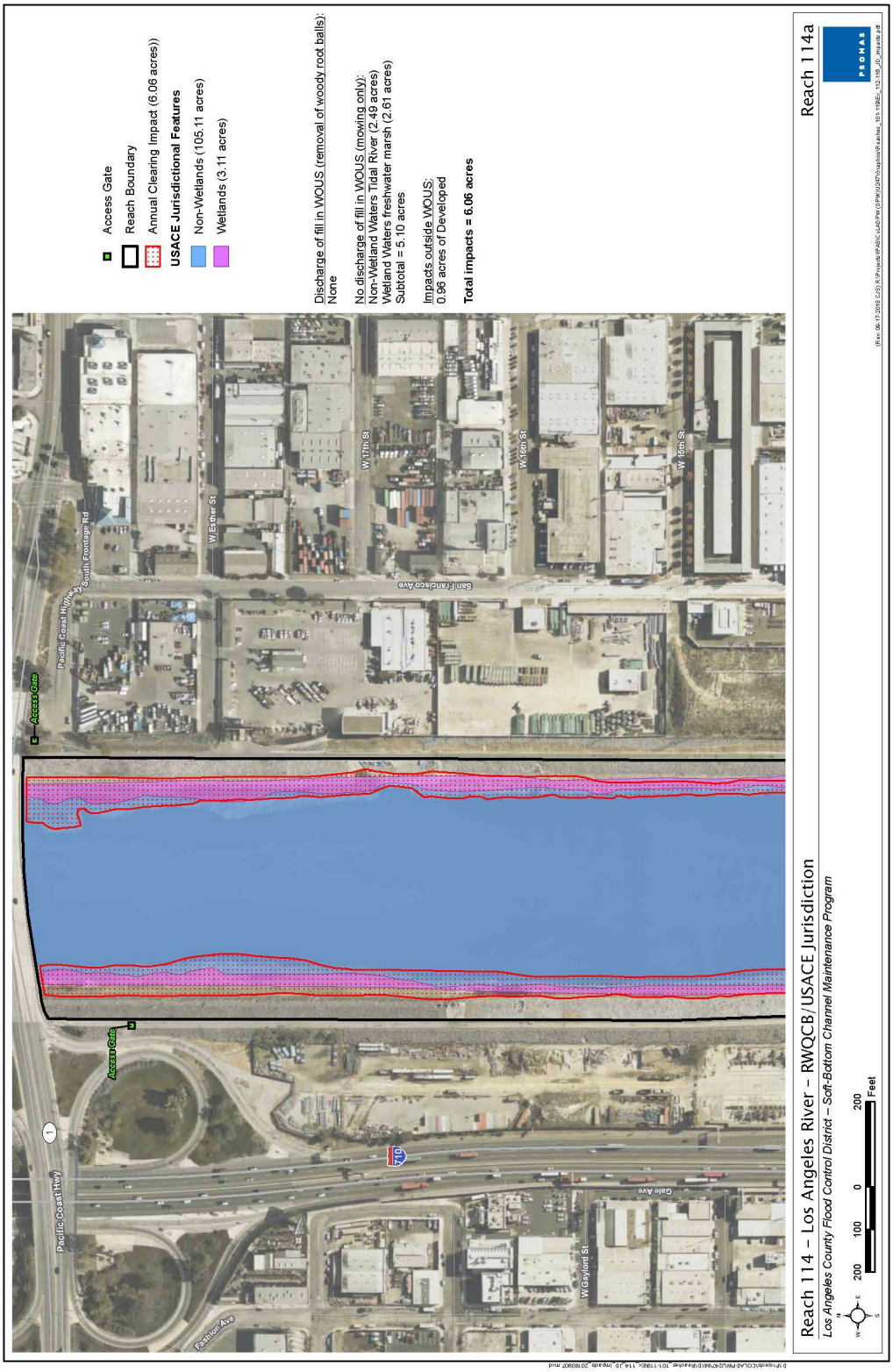
Reach 112

Reach Boundary
Annual Clearing Impact (7.51 acres))
USACE Jurisdictional Features
Non-Wetlands (71.71 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters non-native shrubs = 0.98 acres
Wetland Waters non-native shrubs = 0.69 acres
Subtotal = 1.67 acres
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters freshwater marsh = 0.31 acres
Wetland Waters freshwater marsh = 0.24 acres
Subtotal: 0.55 acres
Impacts outside WOUS: 5.29 acres of non-native shrubs
Total impacts = 7.51
Culver Blvd
Fiji Way
Reach 112 – Ballona Creek – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Reach 112e
200 100 0 200
Feet

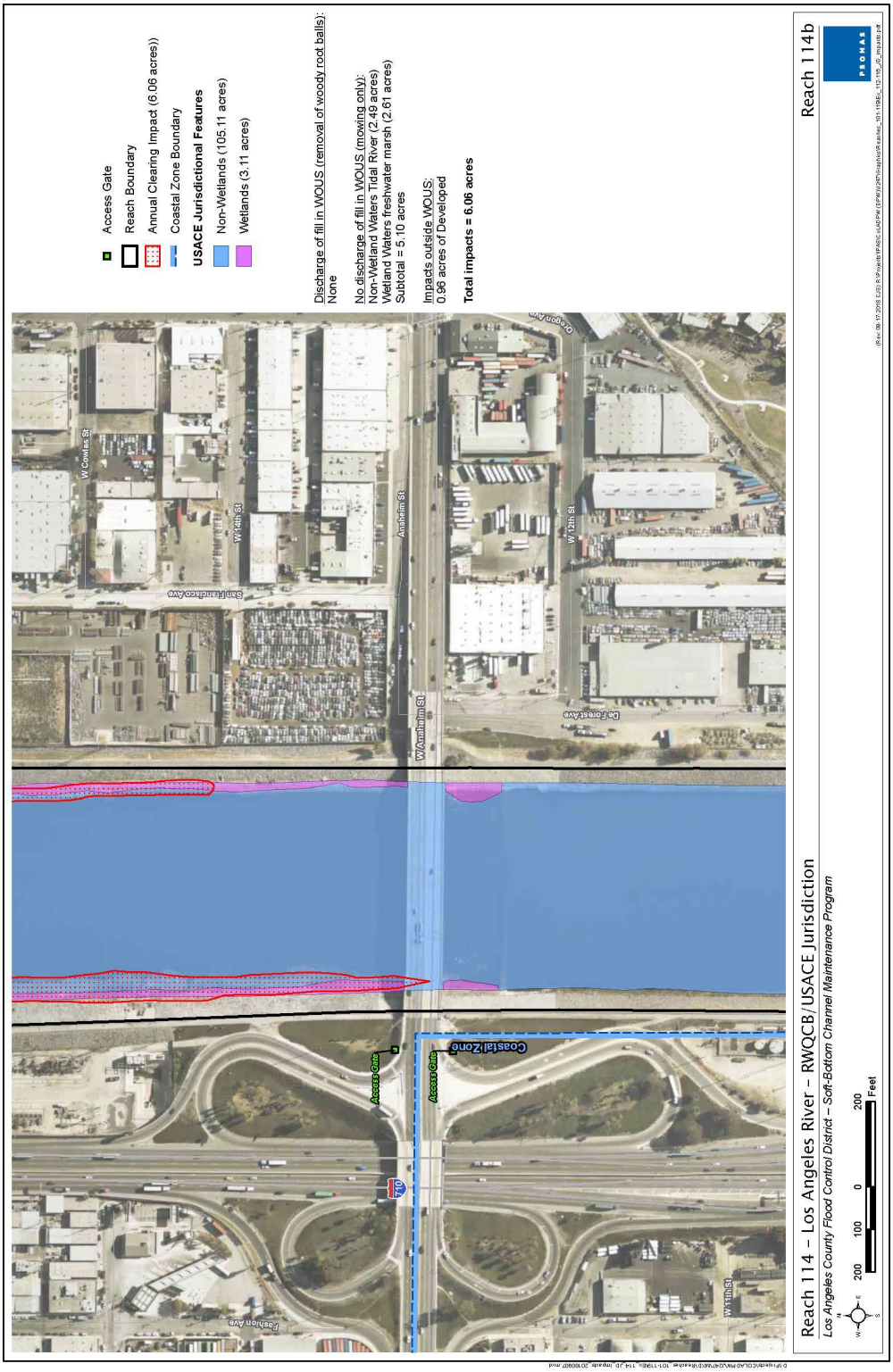
Reach 112

Access Gate
Reach Boundary
Annual Clearing Impact (7.51 acres))
USACE Jurisdictional Features
Non-Wetlands (71.71 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters non-native shrubs = 0.98 acres
Wetland Waters non-native shrubs = 0.69 acres
Subtotal = 1.67 acres
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters freshwater marsh = 0.31 acres
Wetland Waters freshwater marsh = 0.24 acres
Subtotal: 0.55 acres
Impacts outside WOUS: 5.29 acres of non-native shrubs
Total impacts = 7.51
Vista del Mar
Esplanade St
Access Gate
Pacific Ave
Speedway
Reach 112 – Ballona Creek – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Reach 112f
200 100 0 200
Feet

Reach 114


Access Gate
Reach Boundary
Annual Clearing Impact (6.06 acres))
USACE Jurisdictional Features
Non-Wetlands (105.11 acres)
Wetlands (3.11 acres)
Discharge of fill in WOUS (removal of woody root balls):
None
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters Tidal River (2.49 acres)
Wetland Waters freshwater marsh (2.61 acres)
Subtotal = 5.10 acres
Impacts outside WOUS:
0.96 acres of Developed
Total impacts = 6.06 acres
Reach 114a
Reach 114 – Los Angeles River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
200 100 0 200 Feet
Access Gate
Pacific Coast Highway
South Frontage Rd
W Esther St
W 17th St
San Francisco Ave
W 16th St
W 15th St
Access Gate
Pacific Coast Hwy
Fashion Ave
W Gaylord St
Oleo Ave
710

Reach 114


Access Gate
Reach Boundary
Annual Clearing Impact (6.06 acres))
Coastal Zone Boundary
USACE Jurisdictional Features
Non-Wetlands (105.11 acres)
Wetlands (3.11 acres)
Discharge of fill in WOUS (removal of woody root balls):
None
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters Tidal River (2.49 acres)
Wetland Waters freshwater marsh (2.61 acres)
Subtotal = 5.10 acres
Impacts outside WOUS:
0.96 acres of Developed
Total impacts = 6.06 acres
Reach 114b
Reach 114 – Los Angeles River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Feet
W Cowles St
W 14th St
San Francisco Ave
Anaheim St
W 12th St
Oregon Ave
De Forest Ave
Access Gate
Access Gate
Coastal Zone
Beacon Ave
W 11th St
PSOMAS

Reach 114

Reach Boundary
Coastal Zone Boundary
USACE Jurisdictional Features
Non-Wetlands (105.11 acres)
Discharge of fill in WOUS (removal of woody root balls):
None
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters Tidal River (2.49 acres)
Wetland Waters freshwater marsh (2.61 acres)
Subtotal = 5.10 acres
Impacts outside WOUS:
0.96 acres of Developed
Total impacts = 6.06 acres
Reach 114c
Reach 114 – Los Angeles River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Coastal Zone
Shoreline Dr
Fairbanks Ave
W Chester Pl
Pier B St
N Harbor Ave
Feet

Reach 114

Reach Boundary
Coastal Zone Boundary
USACE Jurisdictional Features
Non-Wetlands (105.11 acres)
Discharge of fill in WOUS (removal of woody root balls):
None
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters Tidal River (2.49 acres)
Wetland Waters freshwater marsh (2.61 acres)
Subtotal = 5.10 acres
Impacts outside WOUS:
0.96 acres of Developed
Total impacts = 6.06 acres
Reach 114d
Reach 114 – Los Angeles River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Feet
W 7th St
W 6th St
W 5th St
W 4th St
N Gaffey St
San Francisco Ave
Shoreline Dr
Coastal Zone
N Harbor Scenic Dr
Pier B St
W 7th Street North
Pico Ave

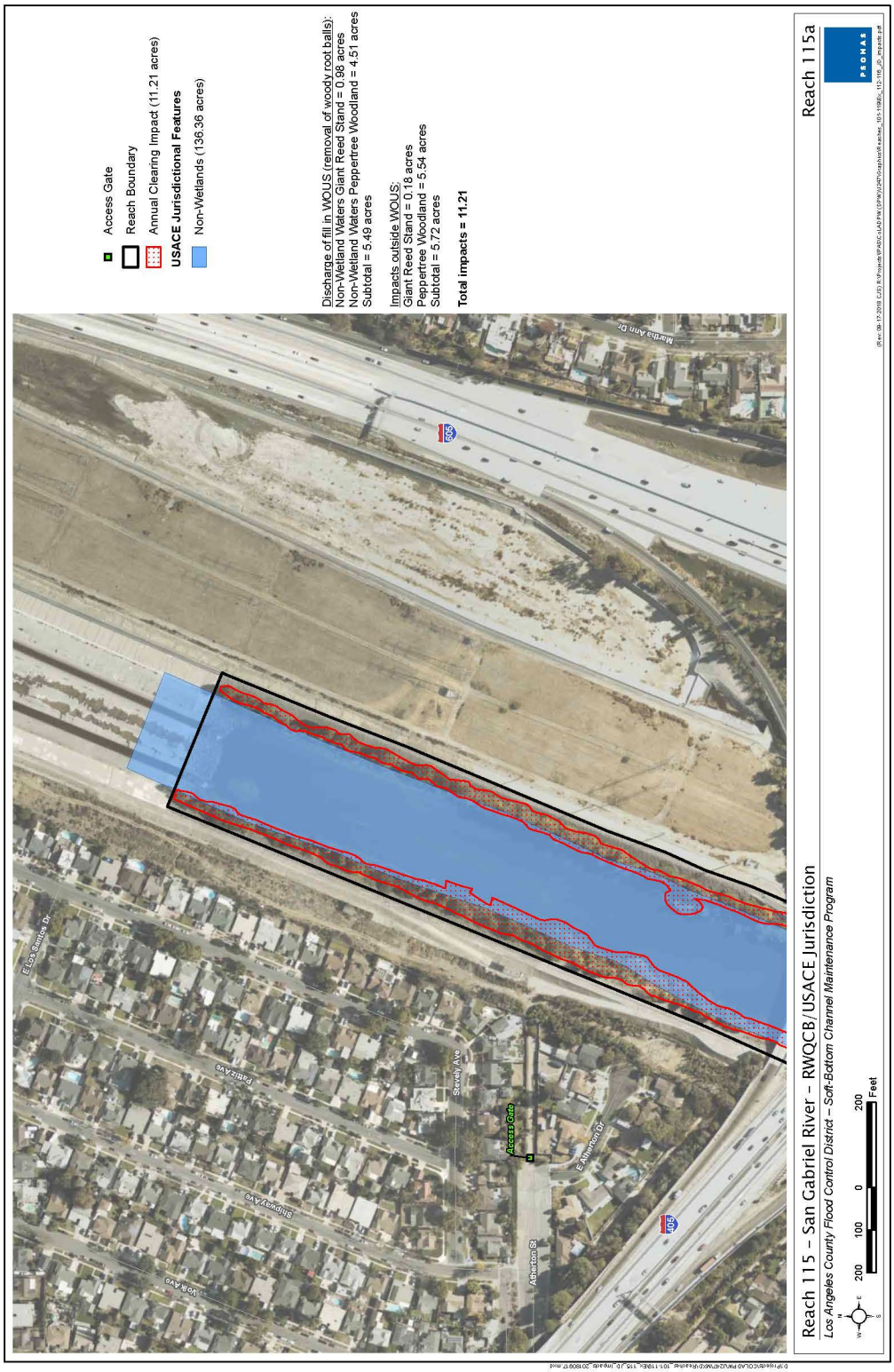
Reach 114

Reach Boundary
Coastal Zone Boundary
USACE Jurisdictional Features
Non-Wetlands (105.11 acres)
Discharge of fill in WOUS (removal of woody root balls):
None
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters Tidal River (2.49 acres)
Wetland Waters freshwater marsh (2.61 acres)
Subtotal = 5.10 acres
Impacts outside WOUS:
0.96 acres of Developed
Total impacts = 6.06 acres
W 3rd St
Ocean Blvd
Golden Shore St
W Seaside Way
Shoreline Dr
Coastal Zone
N Harbor Scenic Dr
W Broadway
W Ocean Blvd
Walnut St
Pacific Ave
W Water St
Reach 114 – Los Angeles River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Reach 114e
200 100 0 200 Feet

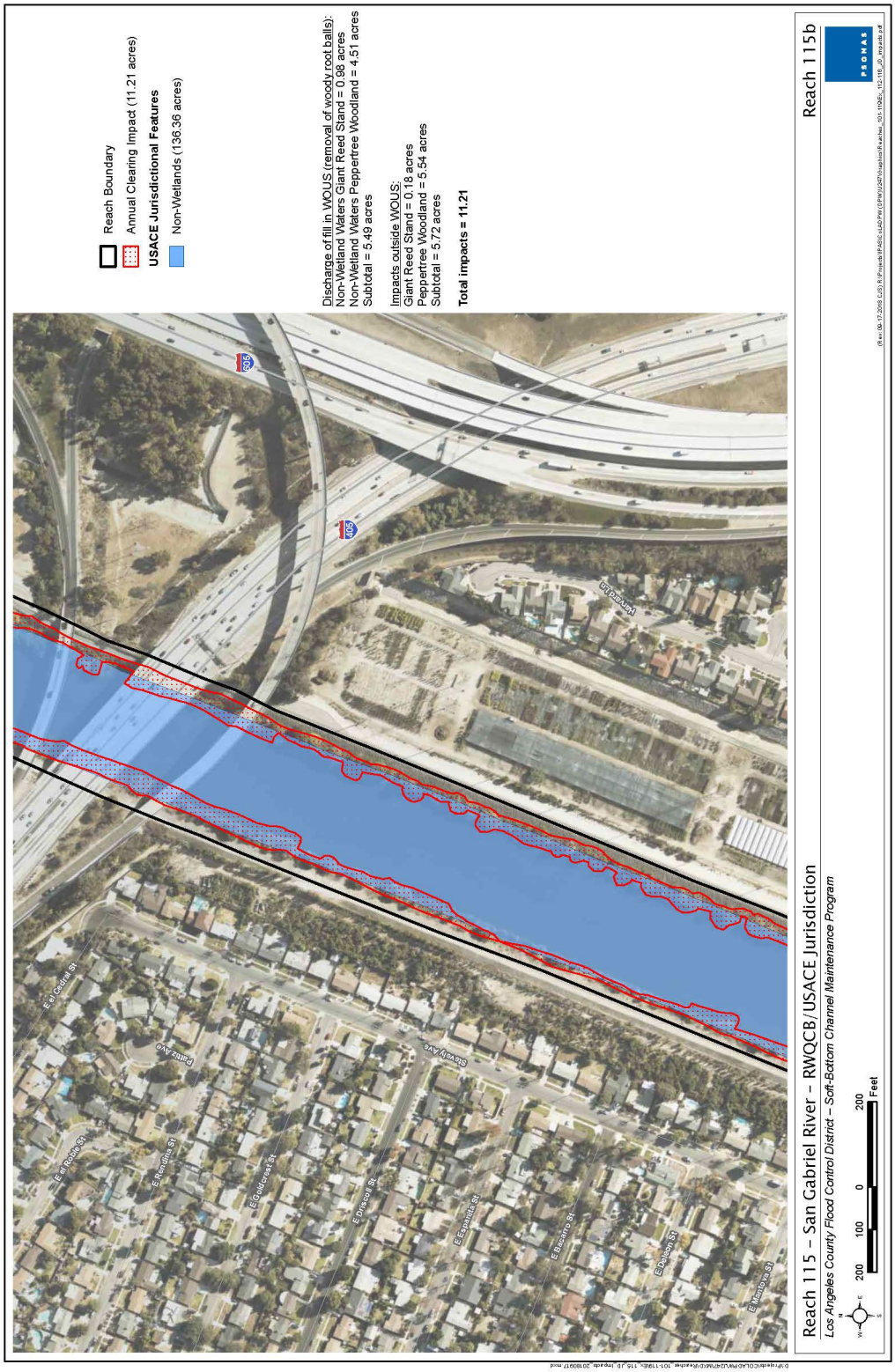
Reach 114

Access Gate
Reach Boundary
USACE Jurisdictional Features
Non-Wetlands (105.11 acres)
Discharge of fill in WOUS (removal of woody root balls):
None
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters Tidal River (2.49 acres)
Wetland Waters freshwater marsh (2.61 acres)
Subtotal = 5.10 acres
Impacts outside WOUS:
0.96 acres of Developed
Total impacts = 6.06 acres
Shoreline Dr
Access Gate
Golden Shore St
S Harbor Scenic Dr
S Pico Ave
Pico Ave
Reach 114 – Los Angeles River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Reach 114f
200 100 0 200
Feet

Reach 115


Access Gate
Reach Boundary
Annual Clearing Impact (11.21 acres)
USACE Jurisdictional Features
Non-Wetlands (136.36 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Welland Waters Giant Reed Stand = 0.98 acres
Non-Welland Waters Peppertree Woodland = 4.51 acres
Subtotal = 5.49 acres
Impacts outside WOUS:
Giant Reed Stand = 0.18 acres
Peppertree Woodland = 5.54 acres
Subtotal = 5.72 acres
Total impacts = 11.21
Reach 115a
Reach 115 – San Gabriel River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Feet
605
Martha Ann Dr
E Los Santos Dr
Palda Ave
Shipway Ave
Norwalk Blvd
Stively Ave
Access Gate
E Atherton Dr
Atherton St

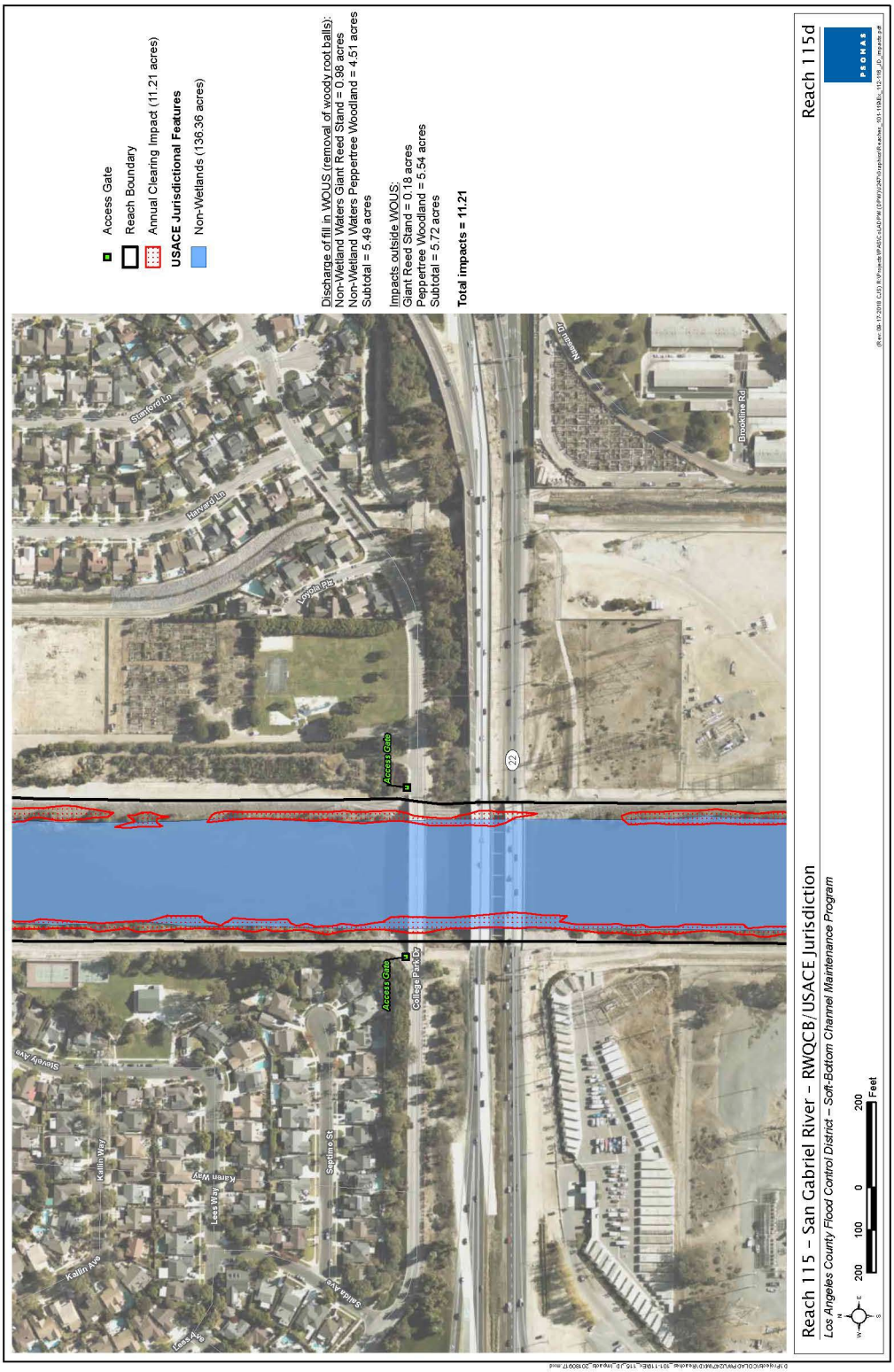
Reach 115


Reach Boundary
Annual Clearing Impact (11.21 acres)
USACE Jurisdictional Features
Non-Wetlands (136.36 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters Giant Reed Stand = 0.98 acres
Non-Wetland Waters Peppertree Woodland = 4.51 acres
Subtotal = 5.49 acres
Impacts outside WOUS:
Giant Reed Stand = 0.18 acres
Peppertree Woodland = 5.54 acres
Subtotal = 5.72 acres
Total impacts = 11.21
Reach 115b
Reach 115 – San Gabriel River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
605
405
Del Amo Blvd
E El Cajon St
E El Roble St
E Rundilla St
E Boulder St
E Driscoll St
E Escanito St
E Bassino St
E Dyson St
E Monitor St
Palmaz Ave
Elsworth Ave
200
100
0
200
Feet

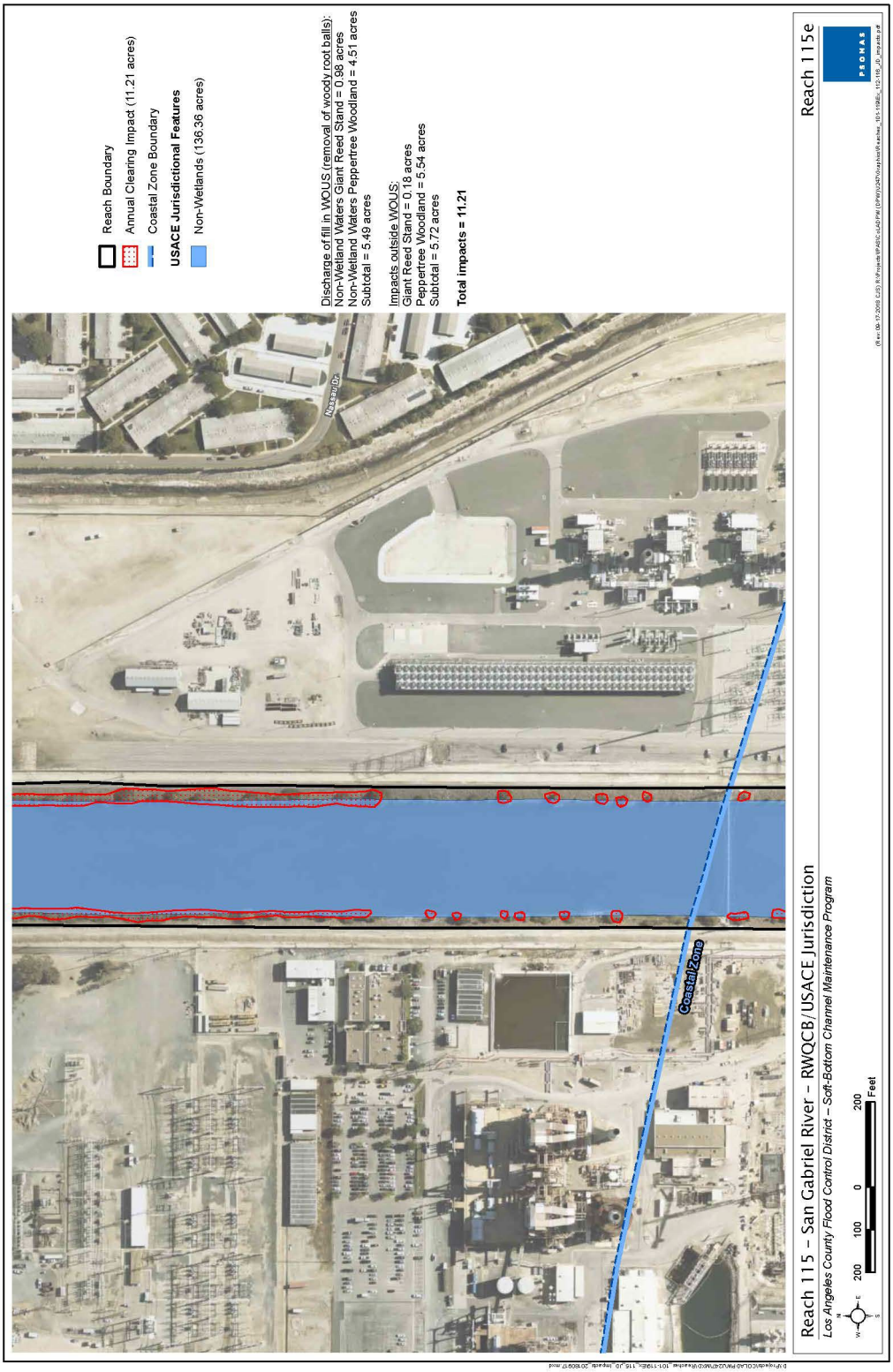
Reach 115

Reach Boundary
Coastal Zone Boundary
USACE Jurisdictional Features
Non-Wetlands (105.11 acres)
Discharge of fill in WOUS (removal of woody root balls):
None
No discharge of fill in WOUS (mowing only):
Non-Wetland Waters Tidal River (2.49 acres)
Wetland Waters freshwater marsh (2.61 acres)
Subtotal = 5.10 acres
Impacts outside WOUS:
0.96 acres of Developed
Total impacts = 6.06 acres
Reach 114c
Reach 114 – Los Angeles River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Feet
Coastal Zone
Fairbanks Ave
Shoreline Dr
Pier B St
N Harbor Ave
W 10th St
Pershing Ave
Bo Peep Ln
N Park Dr
Loma Vista Dr
W Channel Pl

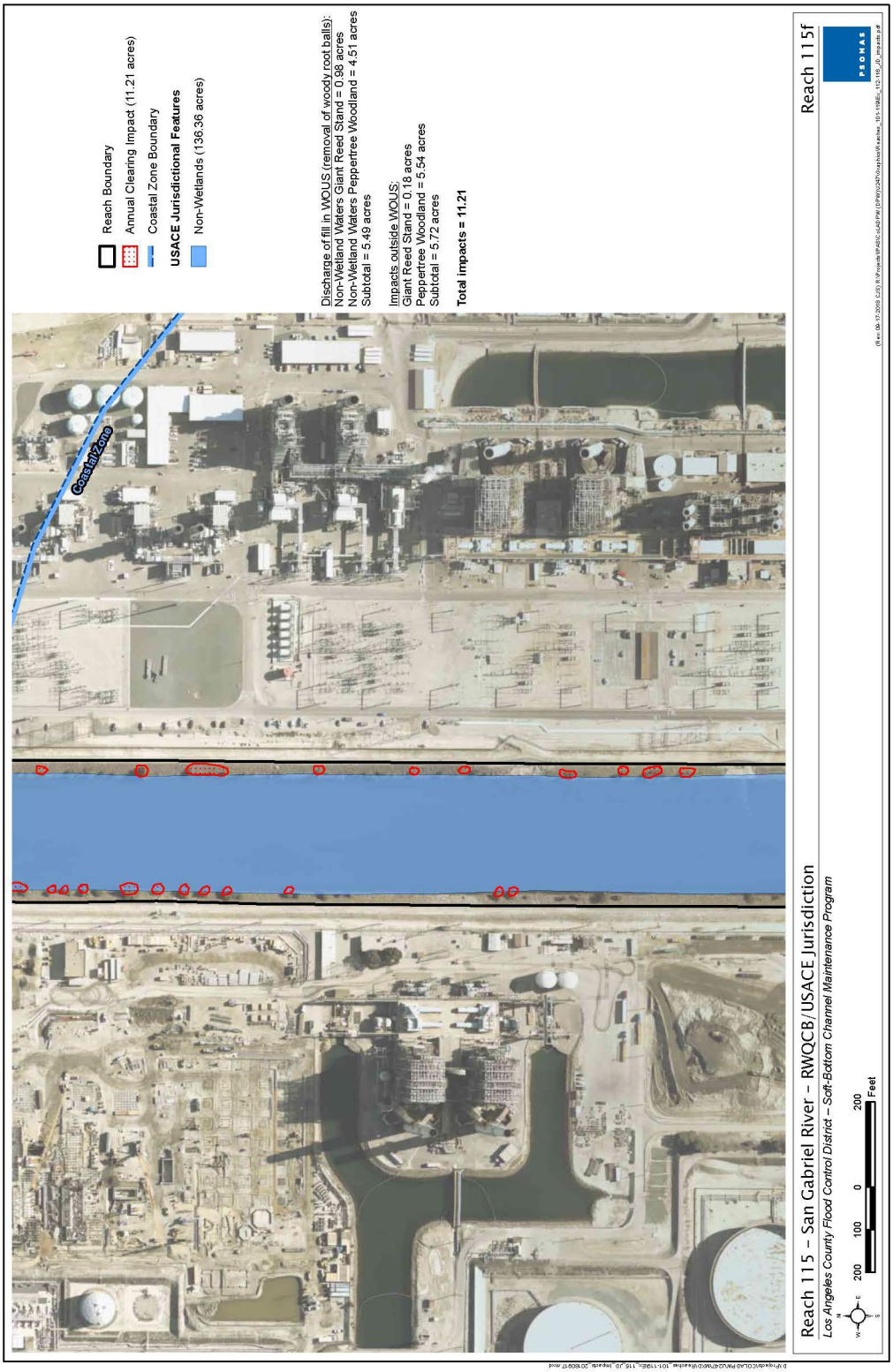
Reach 115


Access Gate
Reach Boundary
Annual Clearing Impact (11.21 acres)
USACE Jurisdictional Features
Non-Wetlands (136.36 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters Giant Reed Stand = 0.98 acres
Non-Wetland Waters Peppertree Woodland = 4.51 acres
Subtotal = 5.49 acres
Impacts outside WOUS:
Giant Reed Stand = 0.18 acres
Peppertree Woodland = 5.54 acres
Subtotal = 5.72 acres
Total impacts = 11.21
Reach 115d
Reach 115 – San Gabriel River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
200 100 0 200 Feet
Stanford Ln
Harvard Ln
Victoria Rd
Nassau Dr
Brookline Rd
Access Gate
College Park Dr
Stevely Ave
Kellin Way
Septima St
Katrina Way
Lees Way
Kallin Ave
Smida Ave
Lees Ave
22

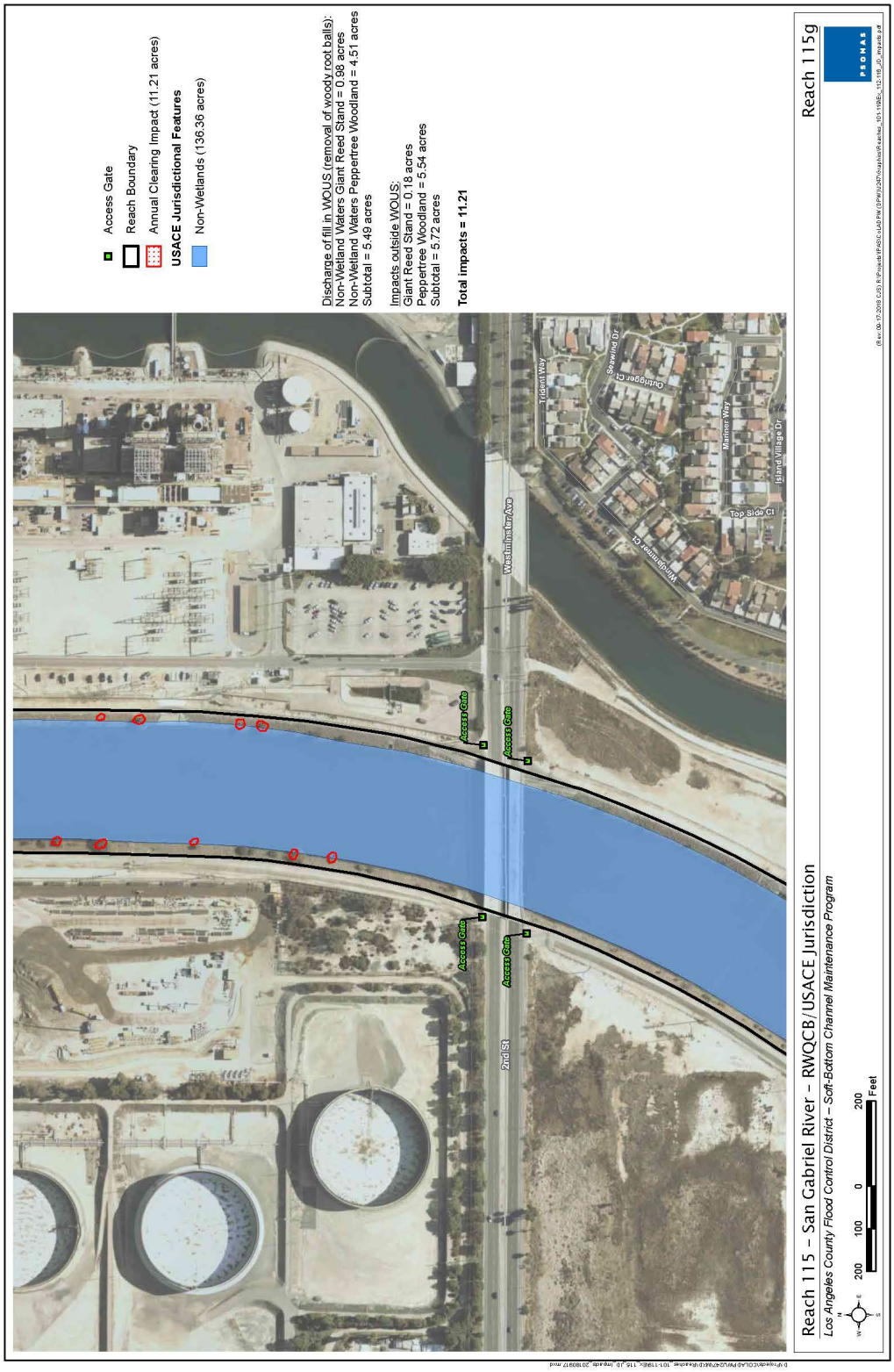
Reach 115


Reach Boundary
Annual Clearing Impact (11.21 acres)
Coastal Zone Boundary
USACE Jurisdictional Features
Non-Wetlands (136.36 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters Giant Reed Stand = 0.98 acres
Non-Wetland Waters Peppertree Woodland = 4.51 acres
Subtotal = 5.49 acres
Impacts outside WOUS:
Giant Reed Stand = 0.18 acres
Peppertree Woodland = 5.54 acres
Subtotal = 5.72 acres
Total impacts = 11.21
Nogales Dr
Coastal Zone
Reach 115 – San Gabriel River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Reach 115e
200 100 0 200 Feet
PROJECT

Reach 115


Reach Boundary
Annual Clearing Impact (11.21 acres)
Coastal Zone Boundary
USACE Jurisdictional Features
Non-Wetlands (136.36 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters Giant Reed Stand = 0.98 acres
Non-Wetland Waters Peppertree Woodland = 4.51 acres
Subtotal = 5.49 acres
Impacts outside WOUS:
Giant Reed Stand = 0.18 acres
Peppertree Woodland = 5.54 acres
Subtotal = 5.72 acres
Total impacts = 11.21
Coastal Zone
Reach 115f
Reach 115 – San Gabriel River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
200 100 0 200
Feet

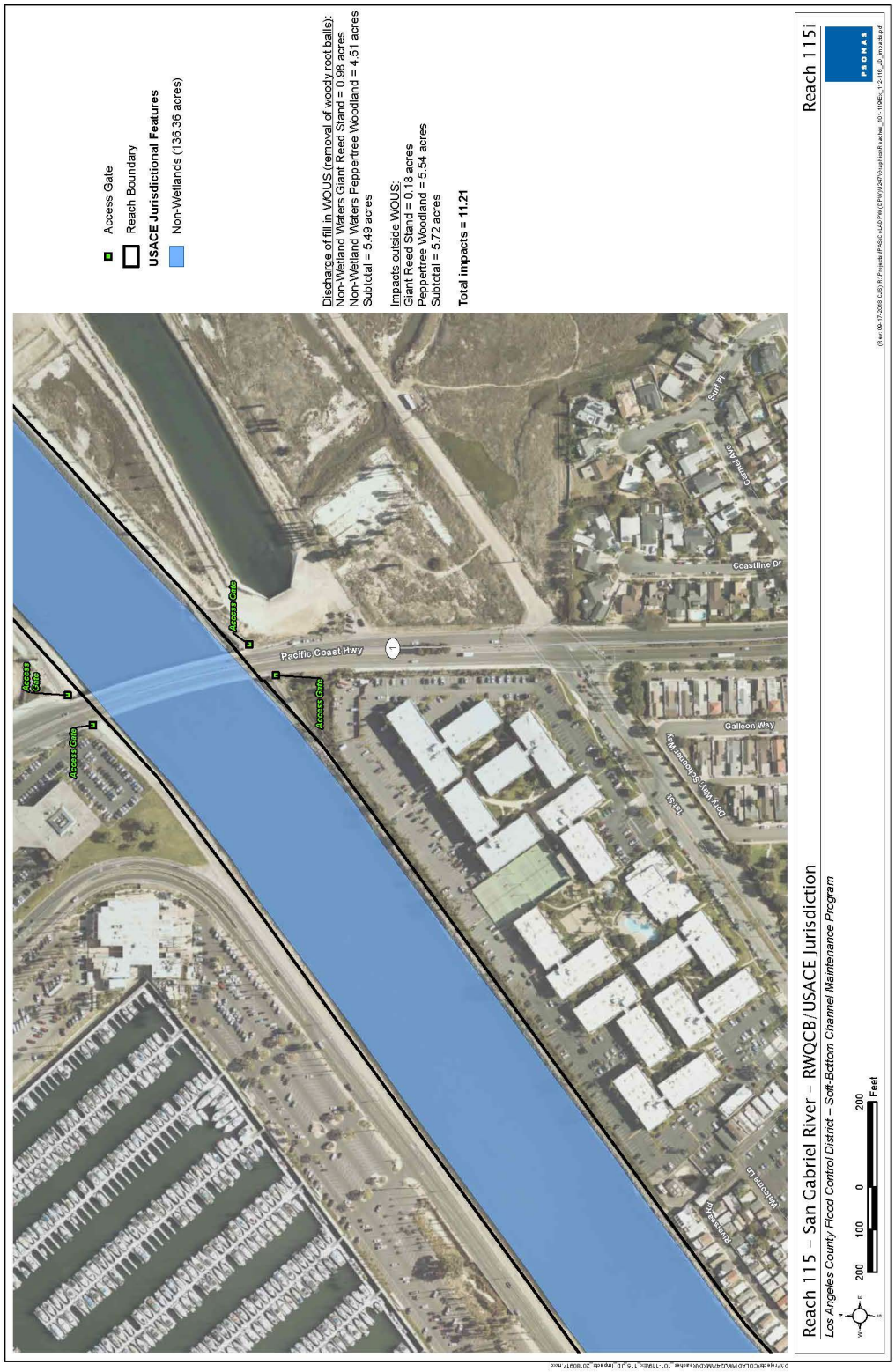
Reach 115


Access Gate
Reach Boundary
Annual Clearing Impact (11.21 acres)
USACE Jurisdictional Features
Non-Wetlands (136.36 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters Giant Reed Stand = 0.98 acres
Non-Wetland Waters Peppertree Woodland = 4.51 acres
Subtotal = 5.49 acres
Impacts outside WOUS:
Giant Reed Stand = 0.18 acres
Peppertree Woodland = 5.54 acres
Subtotal = 5.72 acres
Total impacts = 11.21
Reach 115 – San Gabriel River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Reach 115g
200 100 0 200
Feet
Westminster Ave
2nd St
Trident Way
Shearwind Dr
Chinook Ct
Mariner Way
Island Village Dr
Top Side Ct
Windjammer Ct

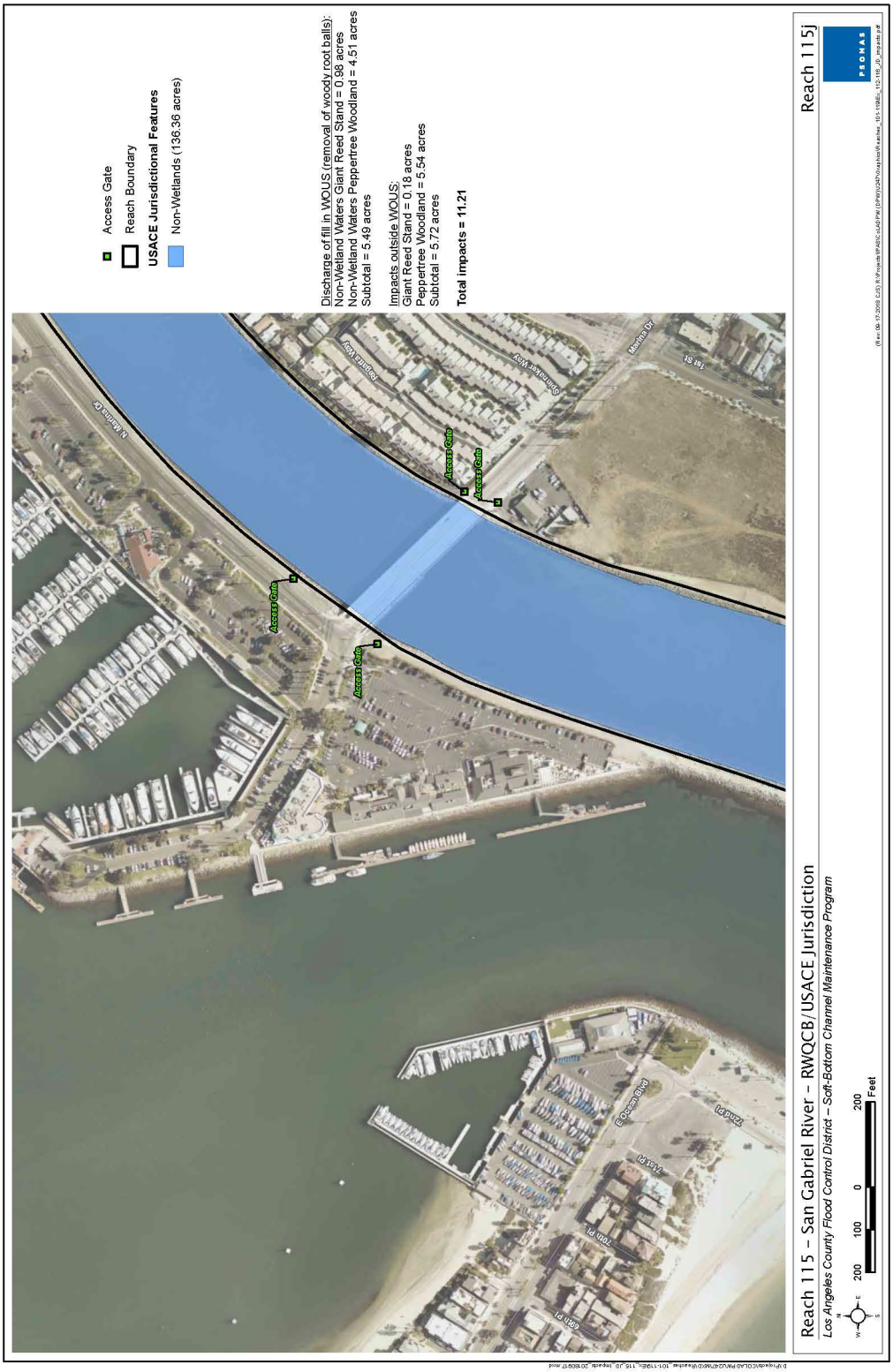
Reach 115

Reach Boundary
USACE Jurisdictional Features
Non-Wetlands (136.36 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters Giant Reed Stand = 0.98 acres
Non-Wetland Waters Peppertree Woodland = 4.51 acres
Subtotal = 5.49 acres
Impacts outside WOUS:
Giant Reed Stand = 0.18 acres
Peppertree Woodland = 5.54 acres
Subtotal = 5.72 acres
Total impacts = 11.21
Reach 115h
Reach 115 – San Gabriel River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
200 100 0 200
Feet
PSOMAS

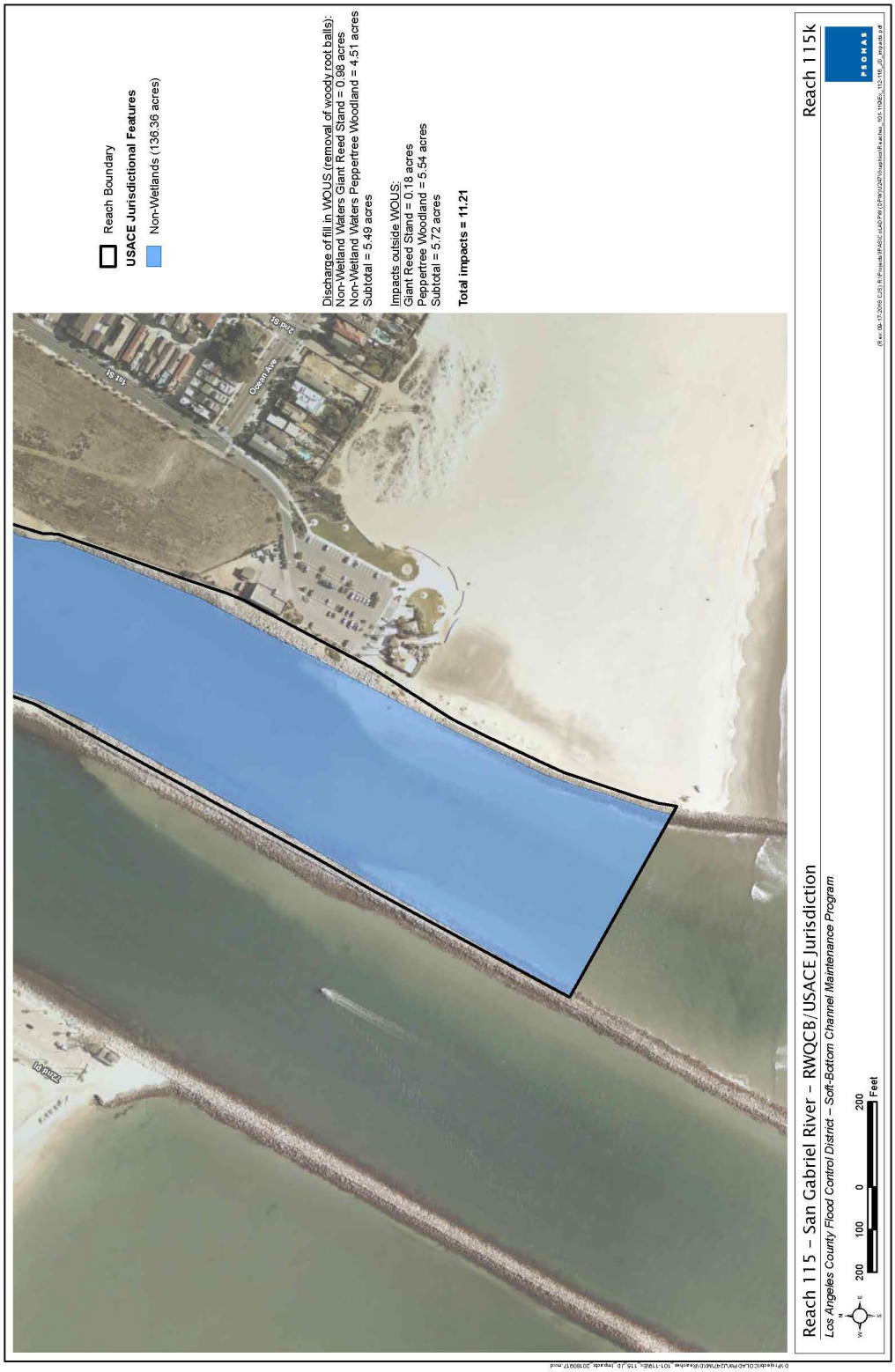
Reach 115


Access Gate
Reach Boundary
USACE Jurisdictional Features
Non-Wetlands (136.36 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters Giant Reed Stand = 0.98 acres
Non-Wetland Waters Peppertree Woodland = 4.51 acres
Subtotal = 5.49 acres
Impacts outside WOUS:
Giant Reed Stand = 0.18 acres
Peppertree Woodland = 5.54 acres
Subtotal = 5.72 acres
Total impacts = 11.21
Pacific Coast Hwy
Galleon Way
Coastline Dr
Carmel Ave
Surf Pl
Reach 115 – San Gabriel River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Reach 115i
200
100
0
200
Feet

Reach 115

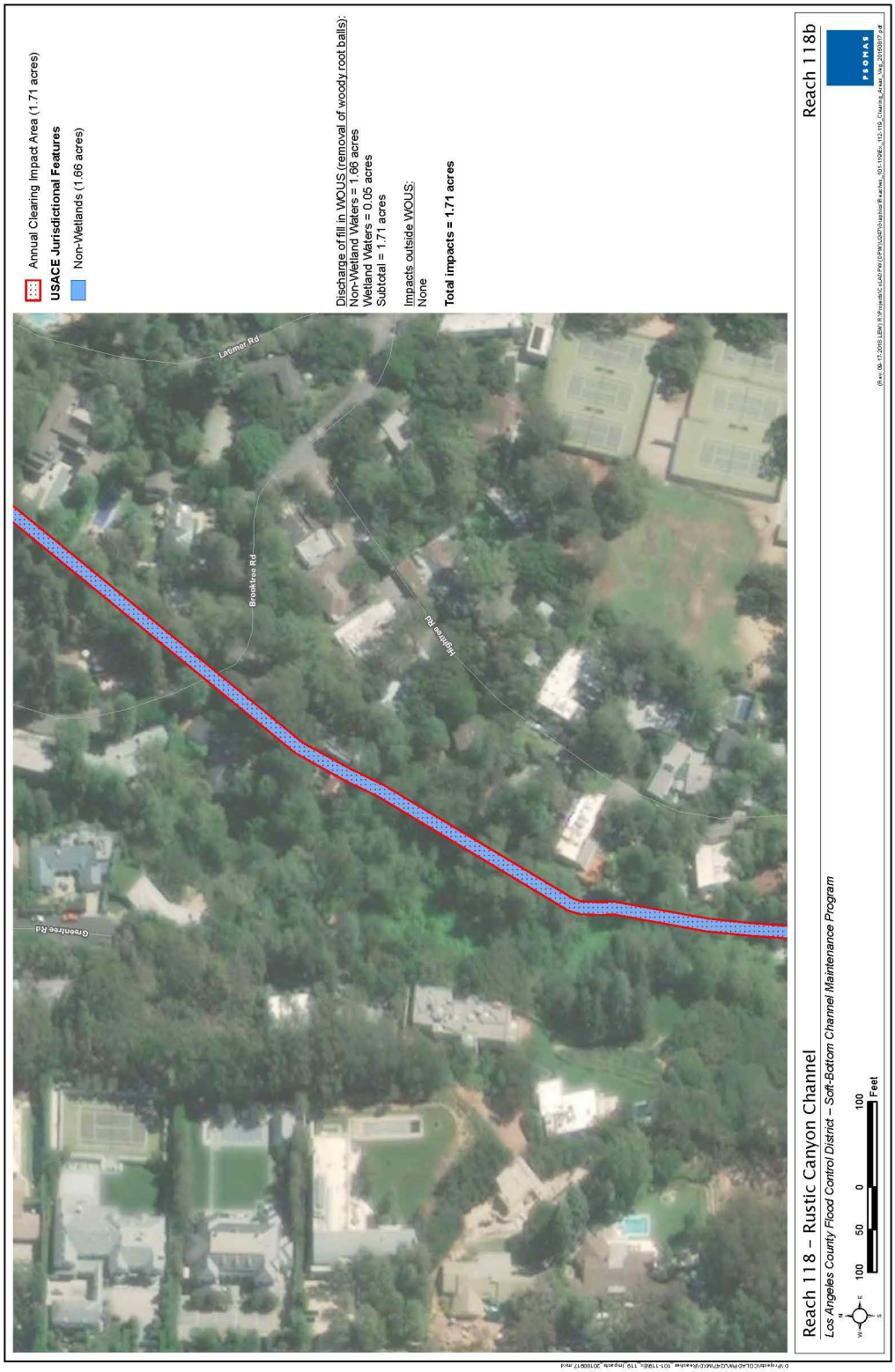

Access Gate
Reach Boundary
USACE Jurisdictional Features
Non-Wetlands (136.36 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters Giant Reed Stand = 0.98 acres
Non-Wetland Waters Peppertree Woodland = 4.51 acres
Subtotal = 5.49 acres
Impacts outside WOUS:
Giant Reed Stand = 0.18 acres
Peppertree Woodland = 5.54 acres
Subtotal = 5.72 acres
Total impacts = 11.21
Reach 115 – San Gabriel River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
Reach 115j
Feet
N Marina Dr
Marina Dr
1st St
Peppertree Way
Shoreline Way
Access Gate
Access Gate
Access Gate
Access Gate
Edgecliff Dr
Edgecliff Dr
Edgecliff Dr
Edgecliff Dr

Reach 115

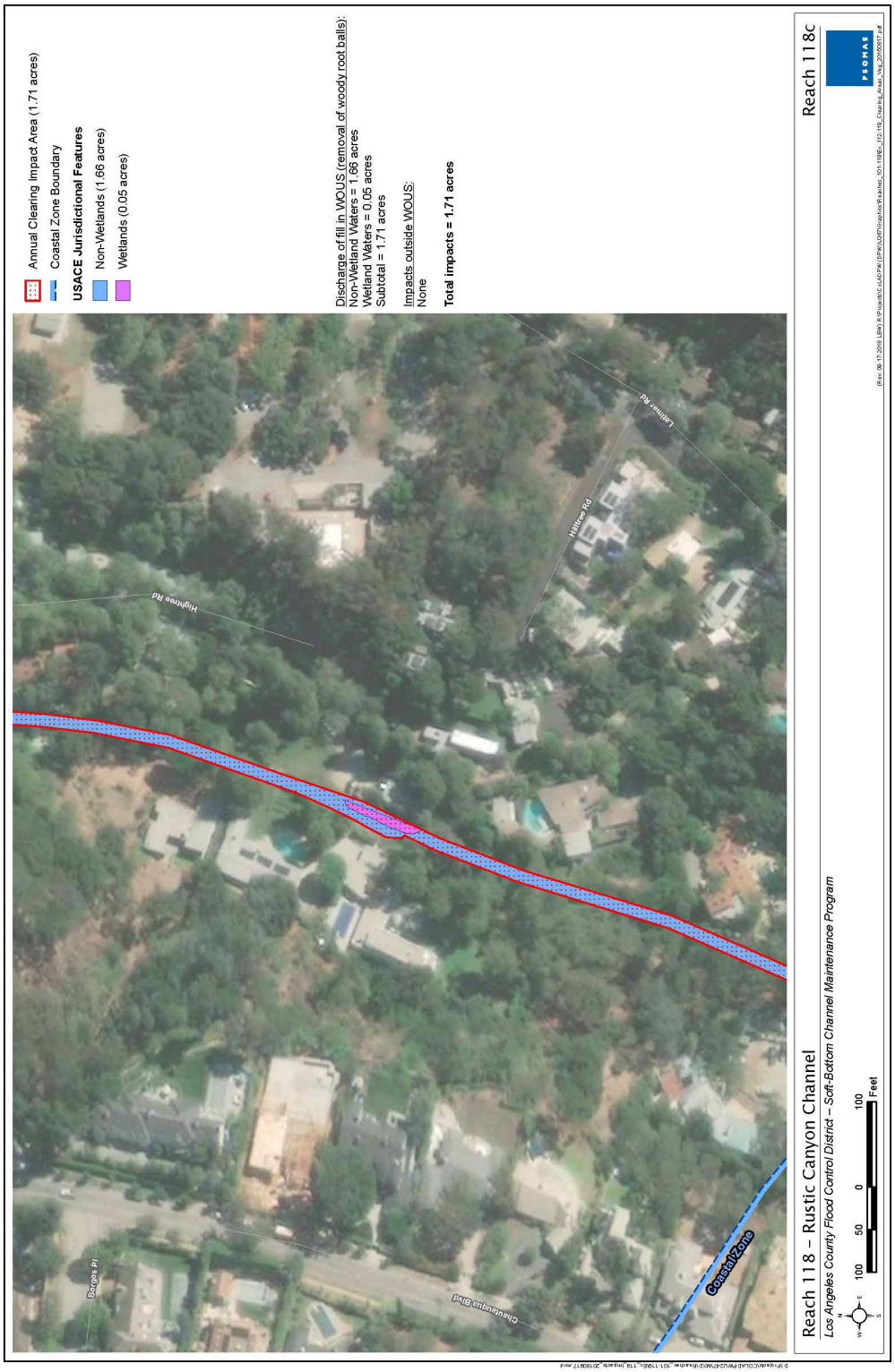

Reach Boundary
USACE Jurisdictional Features
Non-Wetlands (136.36 acres)
Discharge of fill in WOUS (removal of woody root balls):
Non-Wetland Waters Giant Reed Stand = 0.98 acres
Non-Wetland Waters Peppertree Woodland = 4.51 acres
Subtotal = 5.49 acres
Impacts outside WOUS:
Giant Reed Stand = 0.18 acres
Peppertree Woodland = 5.54 acres
Subtotal = 5.72 acres
Total impacts = 11.21
Reach 115k
Reach 115 – San Gabriel River – RWQCB/USACE Jurisdiction
Los Angeles County Flood Control District – Soft-Bottom Channel Maintenance Program
200 100 0 200 Feet
1st St
Ocean Ave
Zuma Pl

Reaches 118 and 119

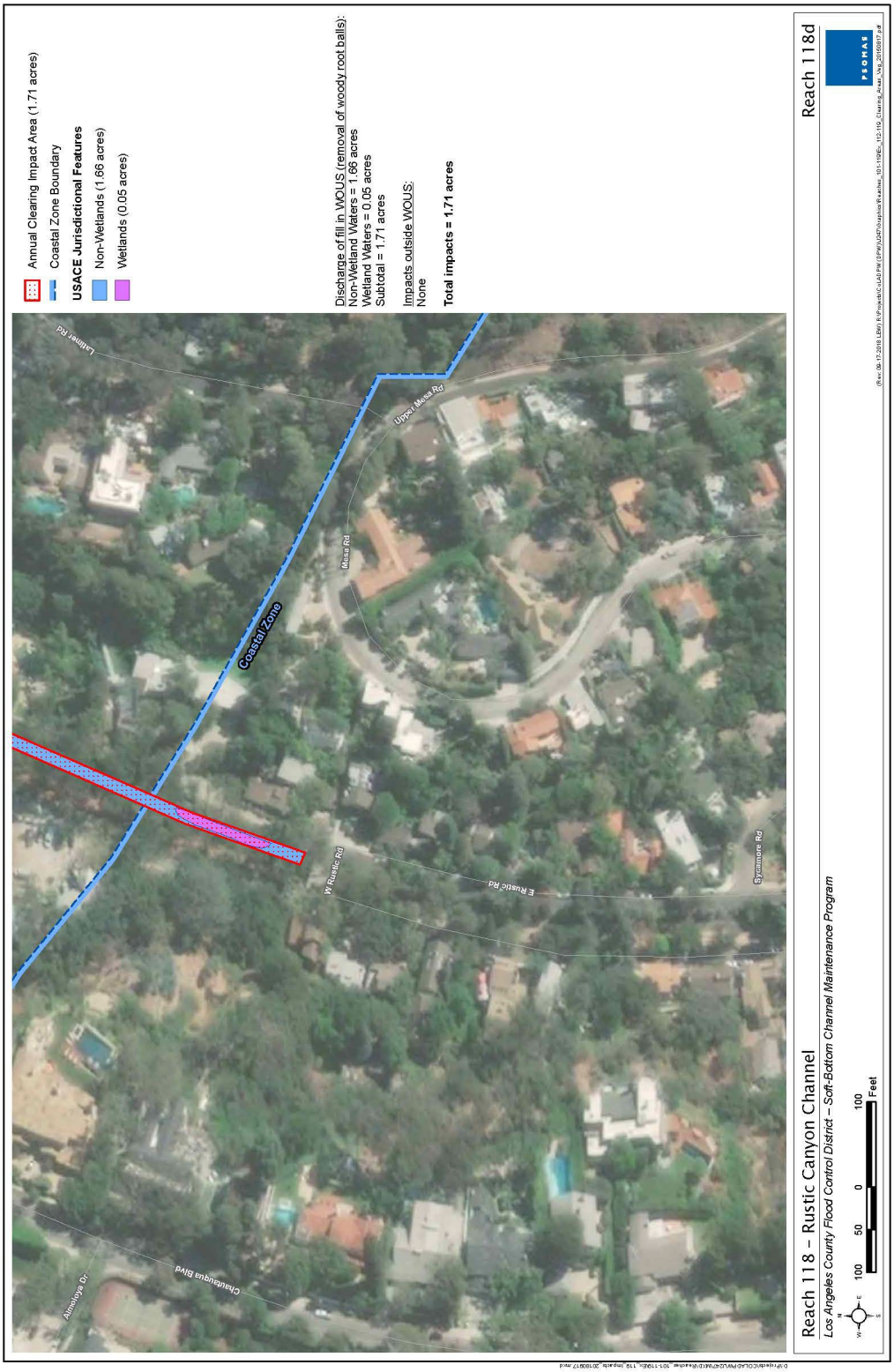
Reaches 118 and 119



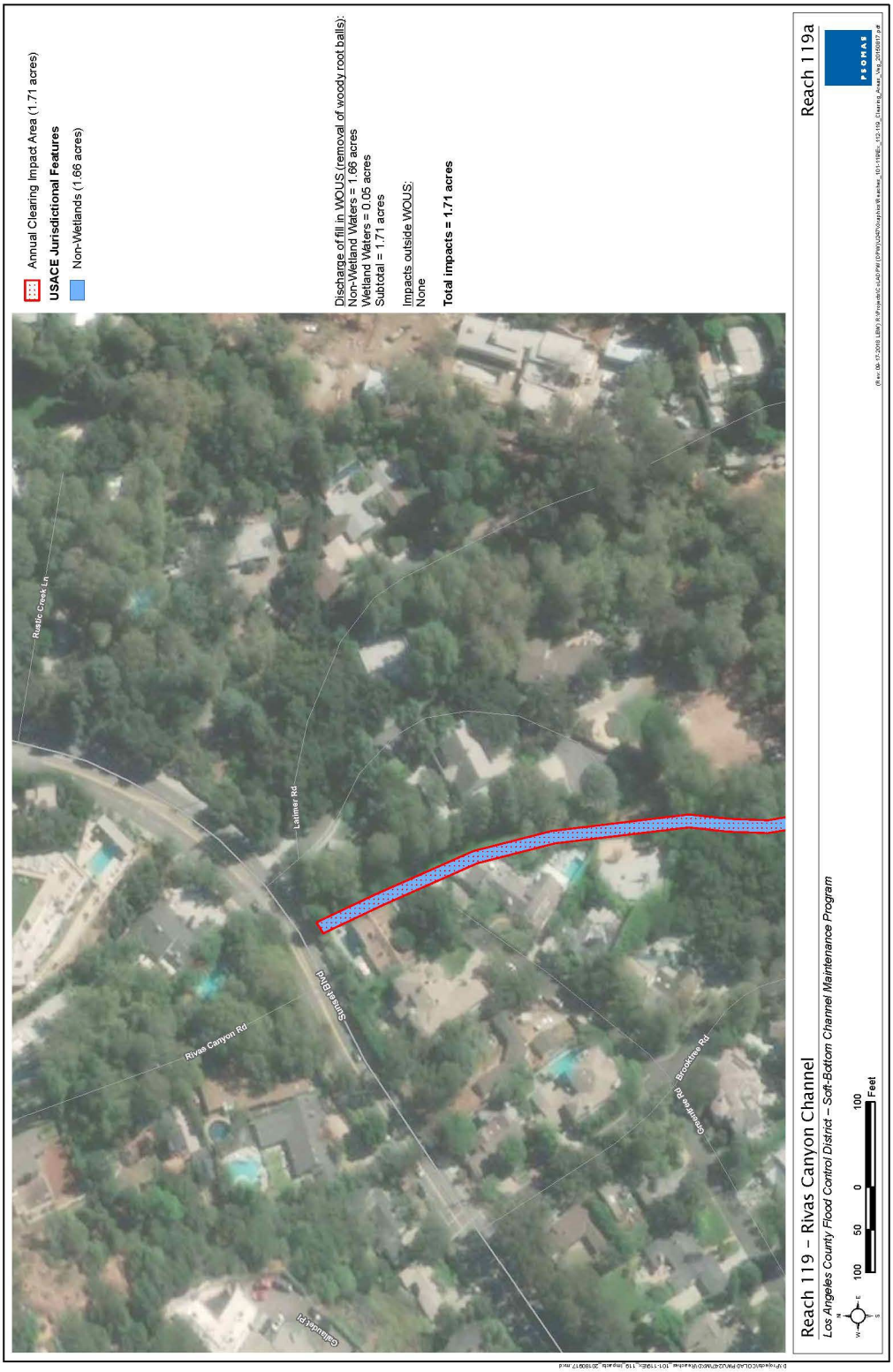
Reaches 118 and 119



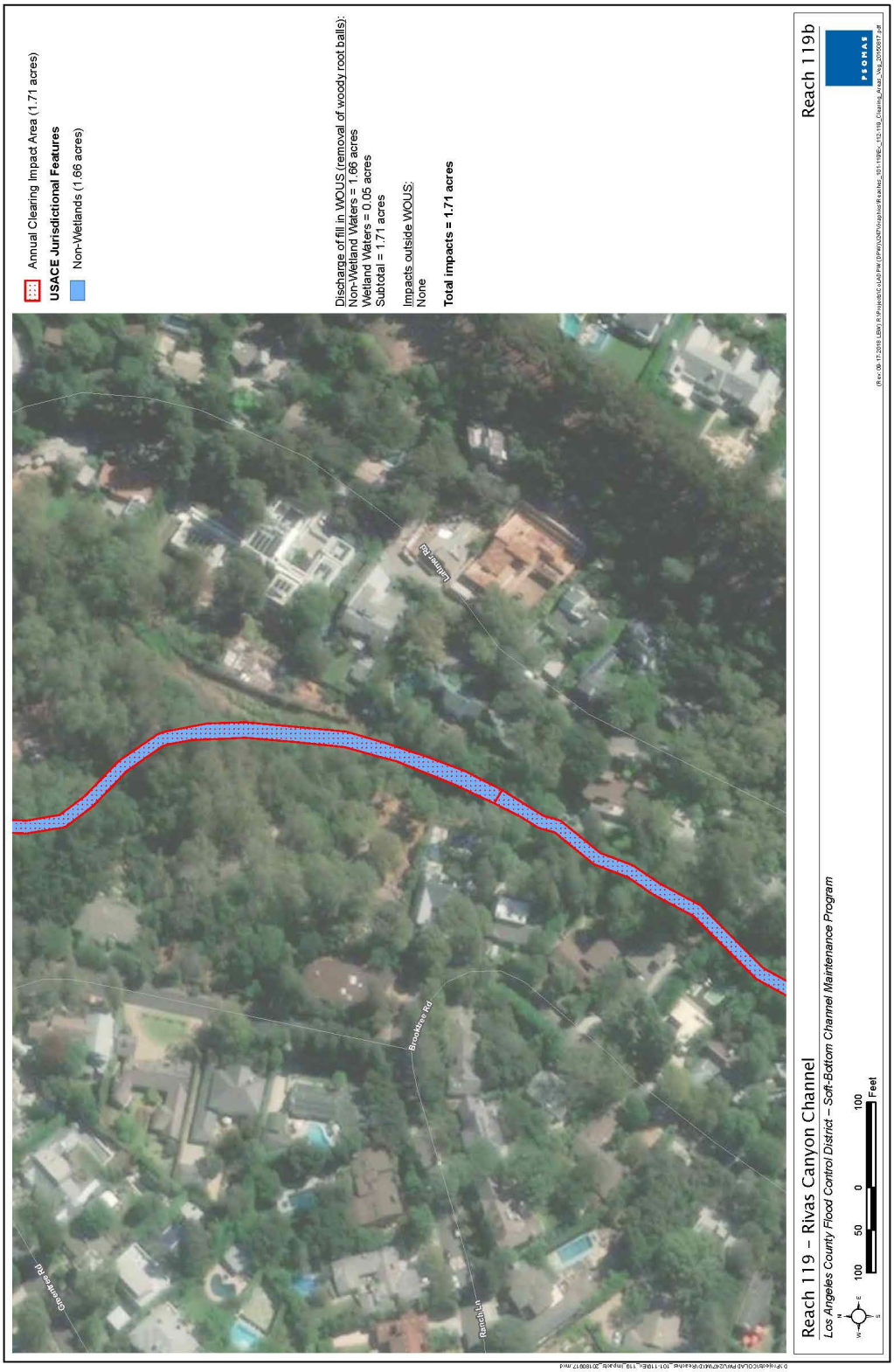
Reaches 118 and 119



Reaches 118 and 119



Reaches 118 and 119



SIGNATORY REQUIREMENTS

All Documents Submitted In Compliance With This Order Shall Meet The Following Signatory Requirements:

1. All applications, reports, or information submitted to the Los Angeles Water Quality Control Board (Los Angeles Water Board) must be signed and certified as follows:

   a) For a corporation, by a responsible corporate officer of at least the level of vice-president.
   b) For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
   c) For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.

2. A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:

   a) The authorization is made in writing by a person described in items 1.a through 1.c above.
   b) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
   c) The written authorization is submitted to the Los Angeles Water Board Staff Contact prior to submitting any documents listed in item 1 above.

3. Any person signing a document under this section shall make the following certification:

   "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Copies of this Form

Include a copy of the Project specific Cover Sheet below with your report: please retain a copy for your records.

Report Submittal Instructions

1. Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting.
   - **Part A (Annual Report):** This report will be submitted annually from the anniversary of Project effective date until a Notice of Project Complete Letter is issued.
   - **Part B (Project Status Notifications):** Used to notify the Los Angeles Water Board of the status of the Project schedule that may affect Project billing.
   - **Part C (Conditional Notifications and Reports):** Required on a case by case basis for accidental discharges of hazardous materials, violation of compliance with water quality standards, notification of in-water work, or other reports.
2. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.
3. **Electronic Report Submittal Instructions:**
   - Submit signed Report and Notification Cover Sheet and required information via email to: Valerie.CarrilloZara@waterboards.ca.gov
   - Include in the subject line of the email:
     Subject: ATTN: Valerie CarrilloZara; File No: 15-038, Reg. Measure ID: 401455 Report

Definition of Reporting Terms

1. **Active Discharge Period:** The active discharge period begins with the effective date of this Order and ends on the date that the Permittee receives a Notice of Completion of Discharges Letter or, if no post-construction monitoring is required, a Notice of Project Complete Letter. The Active Discharge Period includes all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction.
2. **Request for Notice of Completion of Discharges Letter:** This request by the Permittee to the Los Angeles Water Board staff pertains to projects that have post construction monitoring requirements, e.g. if site restoration was required to be monitored for 5 years following construction. Los Angeles Water Board staff will review the request and send a Completion of Discharges Letter to the Permittee upon approval. This letter will initiate the post-discharge monitoring period and a change in fees from the annual active discharge fee to the annual post-discharge monitoring fee.

3. **Request for Notice of Project Complete Letter:** This request by the Permittee to the Los Angeles Water Board staff pertains to projects that either have completed post-construction monitoring and achieved performance standards or have no post-construction monitoring requirements, and no further Project activities are planned. Los Angeles Water Board staff will review the request and send a Project Complete Letter to the Permittee upon approval. Termination of annual invoicing of fees will correspond with the date of this letter.
4. **Post-Discharge Monitoring Period:** The post-discharge monitoring period begins on the date of the Notice of Completion of Discharges Letter and ends on the date of the Notice of Project Complete Letter issued by the Los Angeles Water Board staff. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.
5. **Effective Date:** Date of Order issuance.

Map/Photo Documentation Information

When submitting maps or photos, please use the following formats.

1. **Map Format Information:**
   Preferred map formats of at least 1:24000 (1" = 2000') detail (listed in order of preference):

   - **GIS shapefiles**: The shapefiles must depict the boundaries of all project areas and extent of aquatic resources impacted. Each shape should be attributed with the extent/type of aquatic resources impacted. Features and boundaries should be accurate to within 33 feet (10 meters). Identify datum/projection used and if possible, provide map with a North American Datum of 1983 (NAD38) in the California Teale Albers projection in feet.
   - **Google KML files** saved from Google Maps: My Maps or Google Earth Pro. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. Include URL(s) of maps. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
   - **Other electronic format** (CAD or illustration format) that provides a context for location (inclusion of landmarks, known structures, geographic coordinates, or USGS DRG or DOQQ). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
   - Aquatic resource maps marked on paper **USGS 7.5 minute topographic maps** or **Digital Orthophoto Quarter Quads (DOQQ)** printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.

2. **Photo-Documentation:** Include a unique identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.

REPORT AND NOTIFICATION COVER SHEET

Project:	Soft-Bottom Channel Reach 114 Annual Maintenance				
Permittee:	Los Angeles County Flood Control District				
Reg. Meas. ID:	401455	**Place ID:**	401455	**File No:**	15-038

Report Type Submitted

Part A – Project Reporting	
Report Type	☐ **Annual Report**
Part B - Project Status Notifications	
Report Type	☐ **Commencement of Construction**
Report Type	☐ **Request for Notice of Completion of Discharges Letter**
Report Type	☐ **Request for Notice of Project Complete Letter**
Part C - Conditional Notifications and Reports	
Report Type	☐ **Accidental Discharge of Hazardous Material Report**
Report Type	☐ **Violation of Compliance with Water Quality Standards Report**
Report Type	☐ **In-Water Work/Diversions Water Quality Monitoring Report**
Report Type	☐ **Modifications to Project Report**
Report Type	☐ **Transfer of Property Ownership Report**

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Print Name [1]	**Affiliation and Job Title**
Signature	**Date**

[1]STATEMENT OF AUTHORIZATION (include if authorization has changed since application was submitted)

I hereby authorize _____ to act in my behalf as my representative in the submittal of this report, and to furnish upon request, supplemental information in support of this submittal.

Permittee's Signature

Date

***This Report and Notification Cover Sheet must be signed by the Permittee or a duly authorized representative and included with all written submittals.**

Part A – Project Reporting

Report Type	**Annual Report**
Report Purpose	Notify the Los Angeles Water Board staff of Project status during both the active discharge and post-discharge monitoring periods.
When to Submit	Annual reports shall be submitted each year on the anniversary of Project effective date. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.
Report Contents	The contents of the annual report shall include the topics indicated below for each project period. Report contents are outlined in Annual Report Topics below. **<u>During the Active Discharge Period</u>** • **Topic 1: Construction Summary** • **Topic 2: Mitigation for Temporary Impacts Status** • **Topic 3: Compensatory Mitigation for Permanent Impacts Status** **<u>During the Post-Discharge Monitoring Period</u>** • **Topic 2: Mitigation for Temporary Impacts Status** • **Topic 3: Compensatory Mitigation for Permanent Impacts Status**
Annual Report Topics (1-3)	
Annual Report Topic 1	**Construction Summary**
When to Submit	With the annual report during the Active Discharge Period.
Report Contents	**1.** Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water best management practices (BMPs). If construction has not started, provide estimated start date and reasons for delay. **2.** Color photos, pre-project and current. **3.** Map showing general Project progress. **4.** If applicable: **a.** Summary of any conditional reports sent during the year such as "Accidental Discharge of Hazardous Material Report" or "Accidental Discharge of Hazardous Material Report" **b.** Copies of revised permits from other agencies **c.** Compilation of all water quality monitoring results for the year in a spreadsheet format.
Annual Report Topic 2	**Mitigation for Temporary Impacts Status**
When to Submit	With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.

Report Contents	***If not applicable report N/A.** **1.** Planned date of initiation and map showing locations of mitigation for temporary impacts to waters of the state and all upland areas of temporary disturbance which could result in a discharge to waters of the state**.** **2.** If mitigation for temporary impacts has already commenced, provide a map and information concerning attainment of mitigation success.
Annual Report Topic 3	**Compensatory Mitigation for Permanent Impacts Status**
When to Submit	With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.
Report Contents	***If not applicable report N/A.** **Part A. Permittee Responsible** **1.** Planned date of initiation of compensatory mitigation site installation**.** **2.** If installation is in progress, a map of what has been completed to date. **3.** If the compensatory mitigation site has been installed, provide a final map and information concerning attainment of performance standards contained in the compensatory mitigation plan. **Part B. Mitigation Bank or In-Lieu Fee** **1.** Status or proof of purchase of credit types and quantities. **2.** Include the name of bank/ILF Program and contact information. **3.** If ILF, location of project and type if known.

Part B – Project Status Notifications

Report Type	**Request for Notice of Completion of Discharges Letter**
Report Purpose	Notify Los Angeles Water Board staff that post-construction monitoring is required and that active Project construction, including any mitigation and permittee responsible compensatory mitigation, is complete.
When to Submit	Must be received by Los Angeles Water Board staff within thirty (30) days following completion of all Project construction activities.
Report Contents	**1.** Pre- and post-photo documentation of all Project activity sites where the discharge of dredge and/or fill/excavation was authorized. **2.** An updated monitoring schedule for mitigation for temporary impacts to waters of the state and permittee responsible compensatory mitigation during the post-discharge monitoring period, if applicable.

Report Type	**Request for Notice of Project Complete Letter**
Report Purpose	Notify Los Angeles Water Board staff that construction and/or any post-construction monitoring is complete, or is not required, and no further Project activity is planned.

When to Submit	Must be received by Los Angeles Water Board staff within thirty (30) days following completion of all Project activities.
Report Contents	**Part A: Mitigation for Temporary Impacts** **1.** A report establishing that areas of temporary impacts to waters of the state, and upland areas of temporary disturbance which could result in a discharge to waters of the state, have been successfully restored and all identified success criteria have been met. Pre- and post-photo documentation of all restoration sites. **Part B: Permittee Responsible Compensatory Mitigation** **2.** A report establishing that the performance standards outlined in the compensatory mitigation plan have been met. **3.** Status on the implementation of the long-term maintenance and management plan and funding of endowment. **4.** Pre- and post-photo documentation of all compensatory mitigation sites. **5.** Final maps of all compensatory mitigation areas (including buffers). **Part C: Post-Construction Storm Water BMPs** **6.** Date of storm water permit Notice of Termination(s), if applicable. **7.** Report status and functionality of all post-construction BMPs.

Part C – Conditional Notifications and Reports

Report Type	**Accidental Discharge of Hazardous Material Report**
Report Purpose	Notifies Los Angeles Water Board staff that an accidental discharge of hazardous material has occurred.
When to Submit	Within five (5) working days following the date of an accidental discharge. Continue reporting as required by Los Angeles Water Board staff.
Report Contents	**1.** The report shall include the OES Incident/Assessment Form, a full description and map of the accidental discharge incident (i.e. location, time and date, source, discharge constituent and quantity, aerial extent, and photo documentation). If applicable, the OES Written Follow-Up Report may be substituted. **2.** If applicable, any required sampling data, a full description of the sampling methods including frequency/dates and times of sampling, equipment, locations of sampling sites. **3.** Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.

Report Type	**Violation of Compliance with Water Quality Standards Report**
Report Purpose	Notifies Los Angeles Water Board staff that a violation of compliance with water quality standards has occurred.

When to Submit	The Permittee shall report any event that causes a violation of water quality standards within three (3) working days of the noncompliance event notification to Los Angeles Water Board staff.
Report Contents	The report shall include: the cause; the location shown on a map; and the period of the noncompliance including exact dates and times. If the noncompliance has not been corrected, include: the anticipated time it is expected to continue; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and any monitoring results if required by Los Angeles Water Board staff.

Report Type	**In-Water Work and Diversions Water Quality Monitoring Report**
Report Purpose	Notifies Los Angeles Water Board staff of the completion of in-water work.
When to Submit	Within three (3) working days following the completion of in-water work. Continue reporting in accordance with the approved water quality monitoring plan.
Report Contents	As required by the approved water quality monitoring plan.

Report Type	**Modifications to Project Report**
Report Purpose	Notifies Los Angeles Water Board staff if the Project, as described in the application materials, is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
When to Submit	Prior to any alteration or modification of Project activities.
Report Contents	A description and location of any alterations of Project activities. Identify any Project modifications that will interfere with the Permittee's compliance with the Order. Any alteration may require an Amendment, to be determined by Los Angeles Water Board staff.

Report Type	**Transfer of Property Ownership Report**
Report Purpose	Notifies Los Angeles Water Board staff of change in ownership of the Project or Permittee-responsible mitigation area.
When to Submit	At least 10 working days prior to the transfer of ownership.
Report Contents	**1.** A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts: **a.** the Order's requirements and the obligation to implement them or be subject to administrative and/or civil liability for failure to do so; and **b.** responsibility for compliance with any long-term BMP[1] maintenance plan requirements in this Order. **2.** A statement that the Permittee has informed the purchaser to submit a written request to the Los Angeles Water Board to be named as the permittee in a revised order.

[1] Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.

Compliance with Code of Federal Regulations, title 40, section 121.7, subdivision (d).

The purpose of this attachment is to comply with Title 40, Code of Federal Regulations (CFR) Part 121.7(d)(1), which requires an explanation of why a condition is necessary to assure that the authorized discharge will comply with water quality requirements, and a citation to federal, state, or tribal law that authorizes the condition.

This Attachment uses the same organizational structure as the *Conditions* Section, and the statements below correspond with the conditions set forth in the *Conditions* Section. The Sections preceding the *Conditions* Section are not "conditions" as used in 40 CFR section 121.7.(A).

The following three sources of authority are applicable to almost all conditions. Because these authorities are relevant to so many conditions, they are described in greater detail here and then cross-referenced below.

The state's Statement of Policy with respect to Maintaining High Quality of Waters in California ("Antidegradation Policy", State Board Resolution No. 68-16), requires that any "activity which produces or may produce a waste or increased volume or concentration of waste and which discharges or proposes to discharge to existing high quality waters will be required to meet waste discharge requirements which will result in the best practicable treatment or control of the discharge necessary to assure that (a) a pollution or nuisance will not occur and (b) the highest water quality consistent with maximum benefit to the people of the state will be maintained." All Regional Board Water Quality Control Plans incorporate the state's Antidegradation Policy by reference. The state Antidegradation Policy incorporates the federal Antidegradation Policy (40 CFR Part 131.12), which requires "[e]xisting instream water uses and the level of water quality necessary to protect the existing uses shall be maintained and protected." According to U.S. EPA, for dischargers of dredged or fill material comply with the federal Antidegradation Policy by complying with U.S. EPA's section 404(b)(1) Guidelines. The State Water Board adopted a modified version of U.S. EPA's section 404(b)(1) Guidelines in the Dredge or Fill Procedures (also referred as State Supplemental Guidelines).

The State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (Dredge or Fill Procedures) were adopted on April 2, 2019 and went into effect on May 28, 2020. The Dredge or Fill Procedures were adopted pursuant to the State Water Board's authority under Water Code section 13140 (state policy for water quality control) and 13170 (water quality control plan), and accordingly have regulatory effect. Consistent with Government Code, section 11353, a clear and concise summary of the Dredge or Fill Procedures is available in California Code of Regulations, section 3013. Per the Dredge or Fill Procedures, the permitting authority may only approve a project if the demonstrations set forth in Section IV.B.1 have been made. The information required by Section IV.A is necessary to ensure compliance with Section IV.B.1.

In addition, the conditions within the Order are generally required pursuant to the Los Angeles Water Board's Water Quality Control Plan for the Coastal Watersheds of Los Angeles and Ventura Counties (Basin Plan). The Basin Plan includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies. For instance, the Basin Plan

includes water quality objectives for chemical constituents, oil and grease, pH, dissolved oxygen, temperature, , toxicity, pesticides, solid, suspended or settleable materials, floating material, turbidity, exotic vegetation, color, and taste and odor which ensure protection of beneficial uses.

Furthermore, the conditions within the Order are also required, where applicable, pursuant to statewide water quality control plans and policies which were adopted and are periodically revised pursuant to Water Code section 13240, including, but not limited to, the following:

- Inland Surface Waters, Enclosed Bays, and Estuaries (ISWEBE) Plan,
- Plan for California's Nonpoint Source (NPS) Pollution Control Program,
- Policy for the Implementation and Enforcement of the Nonpoint Source (NPS) Pollution Control Program, and
- State of California Executive Order W-59-93 (Wetlands "No Net Loss" Policy).

Furthermore, California Code of Regulations, title 23, Chapter 28 also sets forth regulations pertaining to water quality certifications. Section 3856 sets forth information that must be included in water quality certification requests, includes a description of steps that have or will be taken to avoid, minimize, and compensate for impacts to waters of the state.

Conditions

Authorization

Authorization under this Order is granted based on the application information submitted. Water Code section 13264 prohibits any discharge that is not specifically authorized in this Order.

Reporting and Notification Requirements

The reports confirm that the best management practices required under this Order are sufficient to protect beneficial uses and water quality objectives. The reports related to accidental discharges also ensure that corrective actions, if any, that are necessary to minimize the impact or clean up such discharges are taken as soon as possible. These monitoring and reporting conditions are authorized because the Water Boards have the authority to investigate the quality of any waters of the state within its region under Water Code sections 13383 and 13267. The burden of preparing these reports, including costs, bears a reasonably relationship to the benefits to be obtained from the reports. Specifically, the reports are necessary to demonstrate protection of beneficial uses and compliance with the requirements of the Order and relevant laws (including the Clean Water Act and other authorities). The anticipated costs are minimal as the reporting obligations require only visual monitoring, in-field measurements, and notification reporting.

Authorization under this Order is granted based on the application information submitted, including identification of the legally responsible party. Conditions regarding transfers are necessary to confirm whether the new owner wishes to assume legal responsibility for compliance with this Order. If not, the original discharger remains responsible for compliance with this Order. Confirmation is also necessary to confirm whether liability for long-term best

management practices maintenance is accepted by another entity. If not, the original discharger remains responsible for compliance with this Order. Water Code section 13264 prohibits any discharge that is not specifically authorized in this Order.

Water Quality Monitoring

General

This monitoring condition is authorized because the Water Boards have the authority to investigate the quality of any waters of the state within its region under Water Code sections 13383 and 13267. The burden of monitoring, including costs, bears a reasonable relationship to the need for the monitoring, and the benefits to be obtained from the monitoring. The anticipated costs are minimal as only visual monitoring and in-field measurements are required. Specifically, the reports are necessary to demonstrate protection of beneficial uses and compliance with the requirements of the Order and relevant laws (including the Clean Water Act and other authorities

Accidental Discharges/Noncompliance

See explanation for the *Reporting and Notification Requirements* Section

In-Water Work or Diversions

Consistent with the Dredge or Fill Procedures, section IV.A.2.c, water quality monitoring plans are required for any in-water work, including temporary dewatering or diversions. These conditions are required to assure that 1) the discharge shall not adversely affect the beneficial uses of the receiving water or cause a condition of nuisance; 2) the discharge shall comply with all applicable water quality objectives; and 3) treatment and control of the discharge shall be implemented to assure that pollution and nuisance will not occur and the highest water quality is maintained. A water quality monitoring plan is necessary to conform to water quality standards for oil and grease, dissolved oxygen, pH, turbidity, and temperature. The Regional Water Board's Basin Plan and/or applicable statewide plans and policies contains provisions related to all these constituents.

These monitoring and reporting conditions are authorized because the Water Boards have the authority to investigate the quality of any waters of the state within its region under Water Code sections 13383 and 13267. The burden of preparing these reports, including costs, bears a reasonable relationship to the need for, and benefits of, the reports. The anticipated costs are minimal as the sampling requirements are either visual or only require a grab sample on a daily and/or weekly basis. Specifically, the reports are necessary to demonstrate protection of beneficial uses and compliance with the requirements of the Order and relevant laws (including the Clean Water Act and other authorities

Post-Construction

The reports confirm that the best management practices required under this order are sufficient to protect beneficial uses and water quality objectives. The reports related to accidental discharges ensure that corrective actions, if any, that are necessary to minimize the impact or clean up such discharges are taken as soon as possible. These monitoring and reporting conditions are authorized because the Water Boards have the authority to investigate the quality of any waters of the state within its region under Water Code sections 13383 and 13267. The burden of preparing these reports, including costs, bears a reasonable relationship to the need

for, and benefits of, the reports. The anticipated costs are minimal as the reporting obligations require only visual monitoring, in-field measurements, and notification reporting.

Standard Conditions

"This Order is subject to modification or revocation …"

"This Order is not intended and shall not be construed to apply to any activity involving a hydroelectric facility …"

"This Order is conditioned upon total payment of any fee …"

These Conditions are standard conditions that "shall be included as conditions of all water quality certification actions." (Cal. Code of Regs., section 3860.)

General Compliance

"Permitted actions must not cause a violation of any applicable water quality standards …"

By the plain language of section 401 of the Clean Water Act, permitted actions may not cause a violation of applicable water quality standards. This condition related to compliance with water quality objectives and designated beneficial uses is required pursuant to the Los Angeles Water Board's Basin Plan and/or other applicable statewide plans and policies. The Basin Plan's water quality standards consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies. The Antidegradation Policy requires that the quality of existing high-quality water be maintained unless any change will be consistent with the maximum benefit to the people of the state, will not unreasonably affect present or anticipated future beneficial uses of such water, and will not result in water quality less than that prescribed in water quality control plans or policies. The Antidegradation Policy further requires best practicable treatment or control of the discharge necessary to assure that pollution or nuisance will not occur and the highest water quality consistent with maximum benefit to the people of the state will be maintained. Applicable beneficial uses and water quality objectives to protect those uses include the designated beneficial uses (Basin Plan, Chapter 2, Tables 2-1, 2-1a, 2-3, 2-3a, 2-4, and 2-4a, and water quality objectives for chemical constituents (Basin Plan, page 3-29), color (Basin Plan, page 3-32), exotic vegetation (Basin Plan, page 3-32), floating material (Basin Plan, page 3-33), oil and grease (Basin Plan, page 3-34), dissolved oxygen (Basin Plan, page 3-39), pesticides (Basin Plan, page 3-40), pH (Basin Plan, page 3-40), solid, suspended and settleable material (Basin Plan, page 3-44), taste and odor (Basin Plan, page 3-44), temperature (Basin Plan, page 3-44), toxicity (Basin Plan, page 3-45), and turbidity (Basin Plan, page 3-46).

"The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports…"

Authorization under this Order is granted based on the application information submitted, including engineering plans, specifications, and technical reports. Water Code section 13264 prohibits any discharge that is not specifically authorized in this Order.

Administrative

"Signatory requirements for all document submittals…"

Conditions related to signatory requirements are also authorized by Water Code sections 13383 and 13267, which requires any person discharging waste that could affects the quality of waters to provide to the Water Boards, under penalty of perjury, any technical or monitoring program reports as required by the Water Boards. The signatory requirements are consistent with 40 C.F.R. section 122.22.

"The Permittee shall grant Los Angeles Water Board staff …"

Conditions related to site access requirements are authorized pursuant to the Water Boards' authority to investigate the quality of any waters of the state within its region under Water Code sections 13383 and 13267. Water Code section 13267(c) provides that "the regional board may inspect the facilities of any person to ascertain whether the purposes of this division are being met and waste discharge requirements are being complied with."

"A copy of this Order shall be provided to any consultants, contractors, and subcontractors …"

"A copy of this Order must be available at the Project site(s) during construction…"

These conditions require site personnel (agents of the applicant) and agencies to be familiar with the content of the Order and mandate availability of the document at the project site. These conditions are required to assure that any authorized discharge will comply with the terms and conditions of the Order and is inherently tied to the signature requirements required by Water Code section 13267.

"Lake or Streambed Alteration Agreement"

This condition is required pursuant to California Code of Regulations section 3856(e), which requires that copies be provided to the Water Boards of "any final and signed federal, state, and local licenses, permits, and agreements (or copies of the draft documents, if not finalized) that will be required for any construction, operation, maintenance, or other actions associated with the activity. If no final or draft document is available, a list of all remaining agency regulatory approvals being sought shall be included."

Best Management Practices

All the conditions related to best management practices are consistent with the Water Board's authority to establish, "[w]ater quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area" pursuant to Water Code section 13241(c). Water Code section 13264 prohibits any discharge that is not specifically authorized in this Order. The activities authorized under this Order have the potential to result in a discharge that exceeds water quality objectives, which is prohibited by the Clean Water Act, Antidegradation Policy and Water Code section 13263. As required by Water Code section 13369, all Water Quality Control Plans incentivize the use of best management practices to prevent prohibited discharges into waters of the state.

Dewatering and/or Stream Diversion

These conditions are required to assure that 1) the discharge shall not adversely affect the beneficial uses of the receiving water or cause a condition of nuisance; 2) the discharge shall comply with all applicable water quality objectives; and 3) treatment and control of the discharge shall be implemented to assure that pollution and nuisance will not occur and the highest water quality is maintained. Accordingly, these conditions require implementation of best practicable treatments and controls to prevent pollution and nuisance, and to maintain water quality. If surface waters or ponded waters are not appropriately diverted from areas undergoing grading, construction, excavation, and/or vegetation removal, the waters will be susceptible to erosion and increased sediment loads, contamination and pollution from construction equipment, temperature fluctuations, etc. Dewatered/ diverted areas must also be stabilized prior to a rainfall event to assure that the discharge from the proposed project will comply with water quality objectives established for surface waters. Water Code section 13264 prohibits any discharge that is not specifically authorized in this Order. Dewatering and stream diversions have the potential to result in a discharge that exceeds water quality objectives, which is prohibited by the Clean Water Act, the Antidegradation Policy, the Los Angeles Basin Plan, the ISWEBE Plan, the Plan for California's NPS Control Program, the Policy for the Implementation and Enforcement of the NPS Control Program, the Dredge or Fill Procedures and Water Code section 13263.

Site Management

This condition is necessary to prevent violation of state discharge prohibitions that protect water quality objectives. For instance, fuels and lubricants associated with the use of mechanized equipment have the potential to result in toxic discharges to waters of the state in violation of water quality standards, including the floating material and toxicity and floating material water quality objectives (Basin Plan, pages 3-33 & 3-45). Water Code section 13264 prohibits any discharge that is not specifically authorized in this Order. Failure to appropriately manage site conditions has the potential to result in a discharge that exceeds water quality objectives, which is prohibited by the Clean Water Act, Antidegradation Policy and Water Code section 13263.

Hazardous Materials

These conditions are required pursuant to the Los Angeles Basin Plan (toxicity objective, page 3-40), and the Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California (SIP), which prohibit the discharge of substances in concentrations toxic to human, plant, animal, or aquatic life. Toxic compounds can impair the beneficial uses of cold freshwater habitat, estuarine habitat, marine habitat, preservation of rare and endangered species, fish migration, fish spawning, warm freshwater habitat, and wildlife habitat. Conditions related to toxic and hazardous materials are necessary to assure that discharges comply with any water quality objectives adopted or approved under sections 13170 or 13245 of the Water Code.

Conditions related to concrete/cement are required pursuant to the Los Angeles Basin Plan, which require discharges to waters do not adversely raise or lower pH levels (Basin Plan, page 3-40). Water Code section 13264 prohibits any discharge that is not specifically authorized in this Order. The release of hazardous materials has the potential to result in a discharge that exceeds water quality objectives, which is prohibited by the Clean Water Act, the

Antidegradation Policy, the Los Angeles Basin Plan, the ISWEBE Plan, the Plan for California's NPS Control Program, the Policy for the Implementation and Enforcement of the NPS Control Program, the Dredge or Fill Procedures and Water Code section 13263.

Sediment Control and Stabilization/Erosion Control

Conditions related to erosion and sediment control design requirements are required to sustain fluvial geomorphic equilibrium. Improperly designed and installed BMPs result in excess sediment, which impairs surface waters, adversely affect beneficial uses, and results in exceedance of water quality objectives.

Conditions on projects that result in a hydromodification to a water of the state are necessary to assure that the discharge from the proposed project will comply with water quality objectives established for surface waters. Hydromodification is a general term that encompasses effects of projects on the natural hydrologic, geochemical, and physical functions of streams and wetlands that maintain or enhance water quality. Improper project design and installation of any project that results in a hydromodification to a water of the state may trigger bank failure and channel incision which results in excess sediment impacts to downstream beneficial uses. Water Code section 13264 prohibits any discharge that is not specifically authorized in this Order. Erosion has the potential to result in a discharge that exceeds water quality objectives, which is prohibited by the Clean Water Act, the Antidegradation Policy, the Los Angeles Basin Plan, the ISWEBE Plan, the Plan for California's NPS Control Program, the Policy for the Implementation and Enforcement of the NPS Control Program, the Dredge or Fill Procedures and Water Code section 13263.

Wildlife and Special Status Species

Pursuant to the California Endangered Species Act (Fish & Wildlife Code, sections 2050 et seq.) and federal Endangered Species Act (16 U.S.C. sections 1531 et set.), the Order does not authorize any act which results in the taking of a threatened, endangered, or candidate species. In the event a Permittee requires authorization from the state or federal authorities, California Code of Regulations, title 23, section 3856(e), requires that copies be provided to the Los Angeles Water Board of "any final and signed federal, state, and local licenses, permits, and agreements (or copies of the draft documents, if not finalized) that will be required for any construction, operation, maintenance, or other actions associated with the activity. If no final or draft document is available, a list of all remaining agency regulatory approvals being sought shall be included."

Stormwater

Conditions related to stormwater management are required to comply with the Los Angeles Region's Basin Plan and the NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 20090009-DWQ; NPDES No. CAS000002 as amended by Order No. 2010-0014-DWQ, Order No. 2012-0006-DWQ, and any amendments thereto) (General Construction Permit). Post-rain erosion and sedimentation problems can contribute to significant degradation of the waters of the state; therefore, it is necessary to take corrective action to eliminate such discharges to avoid or minimize such degradation. Implementation of control measures and best management practices (BMPs) described in the condition will assure compliance with water quality objectives including floating material, temperature, suspended and settleable material, and turbidity. (Basin Plan, pages 3-33, 3-44, 3-44, 3-46) Water Code section 13264 prohibits any discharge that is not specifically

authorized in this Order. Stormwater has the potential to result in a discharge that exceeds water quality objectives, which is prohibited by the Clean Water Act, the Antidegradation Policy, the Los Angeles Basin Plan, the ISWEBE Plan, the Plan for California's NPS Control Program, the Policy for the Implementation and Enforcement of the NPS Control Program, the Dredge or Fill Procedures and Water Code section 13263.

On-site Mitigation for Temporary Impacts

Conditions in this section related to restoration and/or mitigation of temporary impacts are required by the Dredge or Fill Procedures, which requires "in all cases where temporary impacts are proposed, a draft restoration plan that outlines design, implementation, assessment, and maintenance for restoring areas of temporary impacts to pre-project conditions." (Dredge or Fill Procedures section IV. A.2(d) & B.4.)

Additional authorities applying to this condition include:

- Clean Water Act Section 401 (a discharge shall comply with water quality standards, which are established in Water Quality Control Plans)
- California Water Code section 13263 (discharges must implement water quality control plans and water quality objectives)
- California Code of Regulations, Title 23, section 3859 (conditions shall be added to ensure compliance with water quality standards and other appropriate requirements)
- 40 CFR 230.10 (a) (no discharge permitted if there is a practicable alternative with less impacts)
- 40 CFR 230.10 (b) (discharges may not cause or contribute to violations of water quality standards)
- 40 CFR 230.10 (c) (discharges may not cause degradation)
- 40 CFR 230.12 (conditions shall be included to minimize adverse effects to aquatic ecosystems)
- 40 CFR 230.70 (minimize effects of discharge through various actions)
- 40 CFR 230.71 (minimize effects of discharge through treatment of or limitations on the material)
- 40 CFR 230.72 (effects of discharge may be controlled by containment areas and other best management practices)
- 40 CFR 230.73 (minimize effects of discharged by controlling dispersion)
- 40 CFR 230.74 (minimize effects through use of appropriate equipment and techniques)
- 40 CFR 230.75 (minimize adverse effects on plant and animal populations)
- 40 CFR 230.76 (minimize adverse effects on human use, including timing of discharge)
- 40 CFR 230.77 (control runoff, maintain desired water quality, consider ecological changes)
- 40 CFR 230.91 (take all appropriate and practicable steps to avoid and minimize adverse impacts to waters of the United States)
- 40 CFR Part 230, Subpart J (sections 230.92 *et seq*.) (compensatory mitigation for losses of aquatic resources)
- The National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA) (require identifying alternatives to avoid and minimize effects (40 CFR 1500.2 and California Code of Regulations, Title 144, section 15021))
- Dredge or Fill Procedures section IV. A.2(c) (water quality monitoring plan to monitor compliance with water quality objectives)

- Dredge or Fill Procedures, Subpart H (actions to minimize adverse effects)

Compensatory Mitigation for Permanent Impacts

Conditions related to mitigation requirements are required by the Dredged or Fill Procedures, section IV.A.2.b. In addition, section IV.B.1.a of the Procedures require that the Water Boards will approve a project only after it has been determined that a sequence of actions has been taken to first avoid, then to minimize, and lastly compensate for adverse impacts that cannot be practicably avoided or minimized. (See also State Supplemental Guidelines, section 230.10, restrictions on discharge & Cal. Code of Regs., section 3856(h) (requiring submittal of proposed mitigation and description of steps taken to avoid, minimize, or compensate).) Accordingly, compensatory mitigation may be required for projects that would result in permanent impacts. Conditions regarding compensatory mitigation are necessary to ensure compliance with state and federal anti-degradation policies. Compensatory mitigation conditions are consistent with Executive Order W-59-93 commonly referred to as California's "no net loss" policy for wetlands. Compensatory mitigation requirements are also authorized by Water Code, section 13263, which requires the imposition of requirements that implement water quality control plans, takes into consideration the beneficial uses to be protected, and the need to prevent nuisance.

Additional authorities applying to this condition include:

- Clean Water Act Section 401 (a discharge shall comply with water quality standards, which are established in Water Quality Control Plans)
- California Code of Regulations, Title 23, section 3859 (conditions shall be added to ensure compliance with water quality standards and other appropriate requirements)
- 40 CFR 230.12 (conditions shall be included to minimize adverse effects to aquatic ecosystems)
- 40 CFR 230.70 (minimize effects of discharge through various actions)
- 40 CFR 230.71 (minimize effects of discharge through treatment of or limitations on the material)
- 40 CFR 230.72 (effects of discharge may be controlled by containment areas and other best management practices)
- 40 CFR 230.73 (minimize effects of discharged by controlling dispersion)
- 40 CFR 230.74 (minimize effects through use of appropriate equipment and techniques)
- 40 CFR 230.75 (minimize adverse effects on plant and animal populations)
- 40 CFR 230.76 (minimize adverse effects on human use, including timing of discharge)
- 40 CFR 230.77 (control runoff, maintain desired water quality, consider ecological changes)
- 40 CFR 230.91 (take all appropriate and practicable steps to avoid and minimize adverse impacts to waters of the United States)
- 40 CFR Part 230, Subpart J (sections 230.92 *et seq*.) (compensatory mitigation for losses of aquatic resources)
- The National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA) (require identifying alternatives to avoid and minimize effects (40 CFR 1500.2 and California Code of Regulations, Title 144, section 15021))
- Dredge or Fill Procedures section IV. A.2(c) (water quality monitoring plan to monitor compliance with water quality objectives)

- Dredge or Fill Procedures section IV. A.2(d) (restoration plan for temporary impacts).
- Dredge or Fill Procedures, Subpart H (actions to minimize adverse effects)