



MARK PESTRELLA, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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

August 7, 2024

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:

**2023-2024 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 2023-2024 Annual Maintenance and Monitoring Report for the Soft-Bottom Channel (SBC) Maintenance Program, per the requirements of the Section 401 Water Quality Certification 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: https://ftp.pw.lacounty.gov:8443/pub/fmd/2023-2024_SBC_Annual_Maintenance_and_Monitoring_Report/RWQCB/

The documents included are as follows:

1. Attachment No. 1 – Final 2023-24 SBC Maintenance Schedule
2. Attachment No. 2 – Mitigation Monitoring Forms
3. Attachment No. 3 – Pre-/Post Clearing Biological Resources Monitoring
4. Attachment No. 4 – Pre-/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

Ms. Celine Gallon
August 7, 2024
Page 2

SUMMARY OF 2023-2024 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 87 projects during the 2023-24 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 7, 2024, in Alhambra, California.

Ms. Celine Gallon
August 7, 2024
Page 3

If you have any questions regarding this matter, please contact Ms. Sarah Ahmed at (626) 458-7810 or sahmed@pw.lacounty.gov.

Very truly yours,

MARK PESTRELLA, PE
Director of Public Works

A handwritten signature in blue ink that reads "Jolene Guerrero".

JOLENE GUERRERO, PE
Assistant Deputy Director
Stormwater Maintenance Division

JR:sl

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Enc.

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

ATTACHMENT NO. 1
FINAL 2023-2024 ANNUAL SOFT-BOTTOM CHANNEL
MAINTENANCE SCHEDULE

FINAL 2023-24 ANNUAL SOFT-BOTTOM CHANNEL MAINTENANCE SCHEDULE

Project Number	Reach No.	Name of Channel Reach	Maintenance Yard	Sensitive Reach?	Maintenance Date		Comments/ Recommendations
					Start	Completion	
1	1	Bell Creek - MTD 963 M.C.I.	West	Non-sensitive	10/30/2023	10/30/2023	
2	2	Dry Canyon (Calabasas) PD T1845	West	Non-sensitive	9/12/2023	10/3/2023	
3	3	Santa Susana Ck M.C.I.	West	Non-sensitive	9/14/2023	9/15/2023	
4	4	Brown Creek	West	Non-sensitive	9/14/2023	9/15/2023	
5	5	Caballero Creek M.C.I. (West Fork)	West	Non-sensitive	10/17/2023	10/20/2023	
	6	Caballero Creek M.C.I. (East Fork)	West	Non-sensitive	10/17/2023	10/20/2023	
6	7	Bull Creek M.C.	West	Sensitive	9/19/2023	10/19/2023	
7	8	Hayvenhurst Drain - Project 470 Outlet	West	Non-sensitive	11/7/2023	11/16/2023	
8	9	Project 106 Outlet	West	Non-sensitive	9/14/2023	10/25/2023	
9	10	Project No. 469	West	Non-sensitive	11/28/2023	12/2/2023	
10	12	Haines Canyon M.C.O.	West	Sensitive	1/8/2023	1/9/2023	
11	13	Project No. 5215 Unit 1	West	Non-sensitive	10/4/2023	10/4/2023	
12	14	May Channel M.C.O. (into Pacoima Canyon)	West	Sensitive	10/4/2023	10/5/2023	
13	15	Pacoima Wash	West	Non-sensitive	9/19/2023	10/16/2023	
14	16	Verdugo Wash - Las Barras Canyon	West	Non-sensitive	12/13/2023	12/13/2023	
15	18	Engleheard Channel	West	Non-sensitive	12/13/2023	12/13/2023	
16	19	Pickens Canyon	West	Non-sensitive	12/15/2023	12/15/2023	
17	20	Webber Channel (@ private bridge)	West	Non-sensitive	12/14/2023	12/14/2023	
	21	Webber Channel (@ downstream of bridge)	West	Non-sensitive	12/14/2023	12/14/2023	
18	22	Halls Canyon	West	Non-sensitive	12/15/2023	12/15/2023	
19	24	Compton Creek	South	Non-sensitive	9/18/2023	10/27/2023	
20	25a	Los Angeles River - Willow to PCH (East/Left Bank)	South	Non-sensitive	10/13/2023	11/30/2023	
	25b	Los Angeles River - Willow to PCH (West/Right Bank)	South	Non-sensitive	10/13/2023	11/30/2023	
21	26	Project 74	South	Non-sensitive	9/15/2023	10/2/2023	
22	27	Wilmington Drain	South	Sensitive	11/13/2023	11/29/2023	
23	28	Triunfo Creek (PD T2200)	West	Sensitive	11/20/2023	11/21/2023	
24	29	Las Virgines Creek (PD T1684) M.C.I.	West	Non-sensitive	11/30/2023	1/11/2024	Sensitive Reach - CRLF focused survey conducted by biologist 7 days prior to starting work.
25	32	Stokes Channel (PDT043)	West	Non-sensitive	1/16/2024	1/25/2024	
26	33	Medea Creek (PD T1378)	West	Non-sensitive	11/29/2023	12/1/2023	
27	35	Medea Creek - Main	West	Non-sensitive	10/25/2023	10/25/2023	
28	36	Cheseboro Inlet (PDT043)	West	Non-sensitive	10/24/2023	10/31/2023	
29	37	Medea - Cheseboro Outlet	West	Non-sensitive	10/24/2023	11/2/2023	
30	38	Lindero M.C.O.	West	Non-sensitive	10/24/2023	11/6/2023	
	39	Beatty Channel Outlet @ SGR	East	Sensitive	No Maintenance Done		
31	40a	(a) San Gabriel River – Santa Fe Dam to I-10 Freeway	East	Non-sensitive	10/9/2023	12/22/2023	Delays due to water release from the dam.
	40b	(b) San Gabriel River – I-10 Freeway to Thienes Avenue	East	Sensitive	10/3/2023	2/28/2024	Delays due to water release from the dam. Authorized by permitting agencies to work beyond the bird nesting season. Work performed in accordance to the permits' conditions.
32	41	Walnut Creek	East	Non-sensitive	9/18/2023	11/6/2023	
33	42	San Jose Creek d/s 1000' from end of concrete channel	East	Non-sensitive	10/25/2023	1/31/2024	
34	43a	(a) San Gabriel River- Upper	South	Sensitive	9/18/2023	12/15/2023	
	43b	(b) San Gabriel River- Lower	South	Sensitive	9/18/2023	12/15/2023	

FINAL 2023-24 ANNUAL SOFT-BOTTOM CHANNEL MAINTENANCE SCHEDULE

Project Number	Reach No.	Name of Channel Reach	Maintenance Yard	Sensitive Reach?	Maintenance Date		Comments/ Recommendations
					Start	Completion	
35	44	San Gabriel River - Rubber Dams	South	Non-sensitive	10/3/2023	12/5/2023	
	45	Sand Canyon (PD T1307) Main Channel Inlet	West	Non-sensitive	No Maintenance Done - Under Construction		
	46	Sand Canyon (PD T1307) Main Channel Outlet	West	Non-sensitive	No Maintenance Done - Under Construction		
36	47	Santa Clara River Main Channel (PD T1733-Unit 1)	West	Sensitive	11/9/2023	11/9/2023	
37	48	Mint Canyon Channel between Sierra Highway & Adon Avenue	West	Non-sensitive	9/4/2023	9/4/2023	
	49	Mint Canyon Channel between Adon Avenue & Scherzinger Lane	West	Non-sensitive	9/4/2023	9/4/2023	
	50	Mint Canyon Channel between Solamint & Soledad	West	Non-sensitive	No maintenance done - Due to City of Santa Clarita construction in the Reach		
38	51	Mint Canyon M.C.O. (PD 1894)/Santa Clara River – Main Channel	West	Sensitive	11/7/2023	11/28/2023	
	52	Sierra Hwy Rd Drainage (CDR 523.203)	West	Non-sensitive	No maintenance done - Due to City of Santa Clarita construction in the Reach		
39	53	Santa Clara River Non-main Chnl. (PD 832) M.C.I.	West	Non-sensitive	11/8/2023	11/8/2023	
40	54	Santa Clara River Non-Main Channel (PD 832) Main Channel Outlet	West	Sensitive	10/23/2023	10/23/2023	
41	55	Santa Clara River Main Channel – Right Bank Reach (PD's 910, 832, 1758, & 1562 Unit 2)	West	Sensitive	11/7/2023	11/8/2023	
42	56	Santa Clara River Main Channel – Left Bank Reach (PD 832)	West	Sensitive	11/2/2023	11/7/2023	
43	57	Whites Canyon (PD T704 M.C.I.)	West	Non-sensitive	11/1/2023	11/3/2023	
44	58	Santa Clara River Main Channel – Right Bank Reach (PD 374)	West	Sensitive	11/6/2023	11/8/2023	
	60	Santa Clara River Main Channel – Right Bank Reach (PD's 1339 and 374)	West	Sensitive	11/6/2023	11/8/2023	
	61	Santa Clara River Main Channel (PD 659 & 754)	West	Sensitive	11/6/2023	11/6/2023	
45	63	Oak Ave Rd Drainage (CDR 523.081)	West	Sensitive	10/24/2023	10/24/2023	
46	64	Soledad Canyon Road Drain (CDR 523.071 D outlet)	West	Sensitive	10/24/2023	10/24/2023	
47	66	Santa Clara River Main Channel (PD 1538)	West	Sensitive	10/25/2023	10/25/2023	
48	67	Bouquet Canyon Upper (PD's 1201, 802, 700B, & 625)	West	Sensitive	9/22/2023	10/4/2023	
49	69	Bouquet Canyon Middle (PD's 722, 773, 1365, 1065, & 451)	West	Sensitive	9/25/2023	10/6/2023	
50	70	Bouquet Canyon Lower (PD's 544 & 345)	West	Sensitive	9/26/2023	9/29/2023	
51	71	Santa Clara River Main Channel (PD 1946)	West	Sensitive	11/28/2023	11/30/2023	
52	72	South Fork- SCR (Smizer Ranch M.C.I.)	West	Non-sensitive	10/11/2023	10/11/2023	
53	73	Wildwood Cyn Chnl (PD T361) M.C.I.	West	Non-sensitive	11/1/2023	11/1/2023	
54	75	South Fork-Santa Clara River (PD's 725, 916, 1041, & 1300)	West	Sensitive	10/2/2023	10/19/2023	
55	76	Pico Canyon (PD 813)	West	Sensitive	10/5/2023	10/20/2023	
56	77	Newhall Creek Outlet	West	Sensitive	10/17/2023	10/18/2023	
57	78	Placerita Creek	Wes	Sensitive	10/7/2023	10/7/2023	
58	79	South Fork- Santa Clara River (Valencia Boulevard Bridge Stabilizer)	West	Sensitive	10/23/2023	10/23/2023	
59	80	South Fork-Santa Clara River (PD's 1947 & 1946)	West	Sensitive	11/28/2023	11/30/2023	
60	82	Santa Clara River Main Channel (PD 2278)	West	Sensitive	10/25/2023	10/25/2023	
61	86	Violin Canyon Main Channel Outlet	West	Sensitive	10/23/2023	10/24/2023	
62	87	Castaic- Old Road Drainage (CDR 525.021D) Outlet	West	Sensitive	10/23/2023	10/23/2023	
63	88	Hasley Canyon Upper (PD T1496)	West	Non-sensitive	9/4/2023	9/4/2023	
64	89	Hasley Canyon South Fork (PD T1496)	West	Non-sensitive	10/26/2023	10/26/2023	
	90	Hasley Canyon Lower (North Fork PD T1496)	West	Non-sensitive	10/26/2023	10/26/2023	

FINAL 2023-24 ANNUAL SOFT-BOTTOM CHANNEL MAINTENANCE SCHEDULE

Project Number	Reach No.	Name of Channel Reach	Maintenance Yard	Sensitive Reach?	Maintenance Date		Comments/ Recommendations
					Start	Completion	
65	91	San Martinez Chiquito Canyon Channel u/s of Keningston Road	West	Non-sensitive	10/31/2023	10/31/2023	
66	92	San Martinez Chiquito Canyon (North Fork) unnamed	West	Non-sensitive	11/1/2023	11/1/2023	
67	93	San Martinez Chiquito Canyon between Keningston Road and Val Verde Park	West	Non-sensitive	10/30/2023	10/30/2023	
68	94	San Martinez Chiquito Canyon between Val Verde Park to d/s of Madison Street	West	Non-sensitive	10/26/2023	10/27/2023	
69	95	Project No. 1224	West	Non-sensitive	12/6/2023	12/15/2023	
70	96	PD 1591, Calabasas	West	Non-sensitive	10/3/2023	10/12/2023	
71	97	PD T1982, Castaic Creek	West	Sensitive	10/20/2023	10/20/2023	
72	98	Walnut Creek – Channel Inlet	East	Non-sensitive	10/13/2023	10/13/2023	
73	99	Kagel Canyon – Tujunga Wash	West	Non-sensitive	9/18/2023	9/27/2023	
74	100	Dry Canyon, Calabasas Creek Inlet	West	Non-sensitive	10/16/2023	10/16/2023	
75	101	Violin Canyon (PD 2312)	West	Non-sensitive	10/30/2023	11/3/2024	
76	102	Violin Canyon (PD 2275)	West	Non-sensitive	10/25/2023	10/27/2023	
77	103	Bouquet Canyon Channel (PD 2225)	West	Sensitive	10/23/2023	10/31/2023	
78	104	Castaic Creek (PD 2441 Unit 2)	West	Sensitive	11/13/2023	12/1/2023	
79	105	San Francisquito Canyon Channel (PD 2456)	West	Sensitive	11/2/2023	11/6/2023	
	106	Castaic Drain Outlet (RMD Channel)	West				No maintenance done
	107	Old Road Channel (RMD Channel)	West				No maintenance done
80	108	Pico Canyon (PD 2528)	West	Non-sensitive	12/18/2023	1/19/2024	
81	109	Santa Clara River - South Bank West of Mcbean Parkway (MTD1510)	West	Sensitive	10/24/2023	10/24/2023	
82	110	Hasley Canyon Channel (PD2262)	West	Sensitive	11/1/2023	11/28/2023	
83	112 Upper	Ballona Creek	South	Non-sensitive	10/23/2023	11/2/2023	Hand clearing vegetation clearing only above Ordinary High Water Mark (OHWM)
	112 Lower	Ballona Creek	South	Non-sensitive			No maintenance done - Pending Outreach (On-Hold)
	113	Dominguez Channel	South	Non-sensitive			No maintenance done
84	114	Los Angeles River	South	Non-sensitive	10/23/2023	11/8/2023	
85	115	San Gabriel River	South	Sensitive	10/10/2023	12/19/2023	Minor in-kind riprap repair, 5/13/2024 - 6/5/2024
86							
	116	Los Cerritos Channel	South	Non-sensitive			No maintenance done
	117	Centinela Creek	South	Non-sensitive			No maintenance done
87	118	Rustic Canyon	South	Non-sensitive	11/6/2023	11/15/2023	Hand clearing vegetation clearing only above Ordinary High Water Mark (OHWM)
	119	Rivas Canyon	South	Non-sensitive	11/6/2023	11/15/2023	Hand clearing vegetation clearing only above Ordinary High Water Mark (OHWM)
	120	Jake's Way (PD 2496)	West				No maintenance done
	121	San Francisquito Creek (PD 2271)	West				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

Permit Requirements:

The channel clearing work will involve hand cutting a 15-foot-wide "tunnel" through the vegetation to the right-of-way boundary to train flows to the center of the channel inlet.

The operator shall not impact the 0.27-acre of vegetation that was allowed to remain in 1997.

Description of Activity/Method of Implementation:

Vegetation was removed with hand tools and power tools with approved exhaust

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: 10/30/23

Project end date: 10/30/23

Completed by: Name: Francisco Manríquez Title: PWCL Date: 10/30/23

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) 5.12

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

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

Permit Requirements:

The channel clearing work will involve hand cutting a 15-foot-wide "tunnel" through the vegetation to the right-of-way boundary to train flows to the center of the channel inlet.

The operator shall not impact the 0.27-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

- | | |
|---|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 bale was placed at the end of the reach

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Francisco Manriquez Title: PWCL Date: 10/30/23

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

Permit Requirements:

The channel clearing work will involve hand cutting a 15-foot-wide "tunnel" through the vegetation to the right-of-way boundary to train flows to the center of the channel inlet.

The operator shall not impact the 0.27-acre of vegetation that was allowed to remain in 1997.

Description of Activity/Method of Implementation:

All power equipment is equipped with approved mufflers. Work started after 8:00 am so as not to disturb neighbors.

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: Francisco Manriquez

Title: PWCL Date: 10/30/23

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name Bell creek - MTD 963 Inlet

Reach Number 1

Date	Air	H ₂ O	Noise	Comment	Initial
10/30/23	✓	✓	✓	Straw bale placed at the end of the reach	FM

**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**

Permit Requirements:

The channel clearing work will involve maintaining and clearing a 20-foot-wide path along the centerline of the channel. A canopy of vegetation (trees along both banks) will be left in place. Hand clearing will be performed annually to keep the center portion of the channel clear and vegetation will be removed from the openings in the crib walls to the extent necessary to prevent structural damage to the crib walls.

The Operator shall not impact the 0.39-acre of vegetation that was allowed to remain in 1997. Trees with a 3-inch DBH or greater shall not be removed. All exotics shall be selectively removed from the area during maintenance activities.

Description of Activity/Method of Implementation:

ALL VEGETATION CUT/REMOVED BY POWER TOOLS. ALL POWER TOOLS ARE EQUIPPED WITH APPROVED EXHAUST.

- 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: 9/12/23 Project end date: 10/2/23

Completed by: Name: ANTHONY MIRANO Title: PWCL Date: 9/12/23
Name: FRANCISCO MANRIQUET

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) 69.50 TONS

Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) 10 Sq. Ft.

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

Permit Requirements:

The channel clearing work will involve maintaining and clearing a 20-foot-wide path along the centerline of the channel. A canopy of vegetation (trees along both banks) will be left in place. Hand clearing will be performed annually to keep the center portion of the channel clear and vegetation will be removed from the openings in the crib walls to the extent necessary to prevent structural damage to the crib walls.

The Operator shall not impact the 0.39-acre of vegetation that was allowed to remain in 1997. Trees with a 3-inch DBH or greater shall not be removed. All exotics shall be selectively removed from the area during maintenance activities.

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:

- | | |
|---|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 WADDLE BMP PLACED AT END OF REACH.

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: ANTHONY MIRANO Title: PWCL. Date: 9/12/23
FRANCISCO MARRIQUEZ

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

Permit Requirements:

The channel clearing work will involve maintaining and clearing a 20-foot-wide path along the centerline of the channel. A canopy of vegetation (trees along both banks) will be left in place. Hand clearing will be performed annually to keep the center portion of the channel clear and vegetation will be removed from the openings in the crib walls to the extent necessary to prevent structural damage to the crib walls.

The Operator shall not impact the 0.39-acre of vegetation that was allowed to remain in 1997. Trees with a 3-inch DBH or greater shall not be removed. All exotics shall be selectively removed from the area during maintenance activities.

Description of Activity/Method of Implementation:

ALL POWER TOOLS ARE EQUIPPED WITH APPROVED EXHAUST
MUFFLERS FOR NOISE REDUCTION.

- 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: ANTHONY MIRANO
FRANCISCO MANRIQUEZ Title: PWCL Date: 9/12/23

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

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name DEY CANYON RD 1845

Reach Number 2

Date	Air	H2O	Noise	Comment	Initial
9/12/23	✓	✓	✓	STRAW WADDE BAND PLACED AT END OF REACH.	AM
9/13/23	✓	✓	✓		AM
9/15/23	✓	✓	✓		AM
9/18/23	✓	✓	✓		AM
9/19/23	✓	✓	✓		AM
9/20/23	✓	✓	✓		AM
9/21/23	✓	✓	✓		AM
9/25/23	✓	✓	✓		AM
9/26/23	✓	✓	✓		AM
9/27/23	✓	✓	✓		AM
9/28/23	✓	✓	✓		AM
9/29/23	✓	✓	✓		AM

2023-2024

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM**

wo#
840 5571

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 3 Santa Susanna Creek M.C.I.**

T.G.: 499-J2

Permit Requirements:

Hand cutting and clearing vegetation and trees will be done in an 18-foot-wide area by 75-foot-long area at the inlet to the channel. Oak trees will be left in place.

Description of Activity/Method of Implementation:

NO FLOWING WATER NO BMP NEEDED, ALL VEGETATION WAS
CLEARED BY HAND AND SMALL POWER TOOLS WERE ALSO USED.
ALL VEGETATION WAS PLACED ON A TARP AND HAULED OUT
AND LOADED INTO A TRUCK.

- 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 AREA INSPECTED FOR BIRD NESTING, NO BIRDS OR NEST
WERE FOUND

Project start date: 09-15-2023

Project end date: 09-15-2023

Completed by: Name: JUAN RODARTE Title: P.W.C.L Date: 09-15-2023

Approved by: Name: M. Olimpio Title: F.C.C.S Date: 05-22-2024

2023-2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT MITIGATION MONITORING PROGRAM

WO #
840 5571

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 1.00

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

Location/Channel Reach#: #: **Reach No. 3 Santa Susanna Creek M.C.I.** T.G.: 499-J2

Permit Requirements:

Hand cutting and clearing vegetation and trees will be done in an 18-foot-wide area by 75-foot-long area at the inlet to the channel. Oak trees will be left in place.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 on site: Yes No

Date: _____

Biologist Comments/Instructions:

Completed by: Name: JUAN RODARTE

Title: P.W.C.L Date: 09-15-23

Approved by: Name: [Signature]

Title: F.C.C.S Date: 05-24-24

2023-2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT MITIGATION MONITORING PROGRAM

WO #
8405571

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: #: **Reach No. 3 Santa Susanna Creek M.C.I.** T.G.: 499-J2

Permit Requirements:

Hand cutting and clearing vegetation and trees will be done in an 18-foot-wide area by 75-foot-long area at the inlet to the channel. Oak trees will be left in place.

Description of Activity/Method of Implementation:

NO EXCESSIVE NOISE DUE TO ALL HAND WORK AND SMALL
POWER TOOLS WERE USED. WORK TRUCKS WERE PARKED
IN A DESIGNATED AREA WITH ENGINES OFF.

- 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:

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

Completed by: Name: JUAN RODARTE

Title: P.W.C.L Date: 09-15-23

Approved by: Name: M. Olimpio

Title: F.C.C.S Date: 05-22-24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 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:

Handwork of removal of vegetation only, no water
mark 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: 3/18/24

Project end date: 3/18/24

Completed by: Name: Joise Martinez Title: Supervisor Date: 3/18/2024

Approved by: Name: Joige Sandoval Title: Contract Adm. Date: 3/18/24

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. 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:

- | | |
|---|--|
| <input checked="" type="checkbox"/> SS-1 Scheduling | <input type="checkbox"/> SS-2 Preservation of Existing Vegetation |
| <input type="checkbox"/> WE-1 Wind Erosion Control | <input checked="" type="checkbox"/> NS-4 Temporary Stream Crossing |
| <input type="checkbox"/> SS-9 Temporary Drains and Swales | <input type="checkbox"/> SC-1 Silt Fence |
| <input type="checkbox"/> SC-9 Straw Bale Barriers | <input type="checkbox"/> 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: 3/18/2024

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 3/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 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 compliances.

- 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: 3/18/2024

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 3/18/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
 MITIGATION MONITORING PROGRAM

Reach Name Browns Creek
 Reach Number 4

Date	Air	H2O	Noise	Comment	Initial
3/18/24	✓	✓	✓	None	JAM

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

Permit Requirements:

The vegetation clearing work will involve hand clearing a 20-foot-wide path along the centerline of the channel.

The vegetation (0.36 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities

Description of Activity/Method of Implementation:

ALL VEGETATION WAS REMOVE WITH HAND/POWER TOOLS
SUCH AS WEED EATERS, HEDGERS, AND CHAIN SAWS. ALL TOOLS
ARE FITTED WITH APPROVED EXHAUST.

- 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: 10/17/23 Project end date: 10/20/23

Completed by: Name: FRANCISCO MANDRIQUEZ
ANTHONY MIRANO Title: PWCL Date: 10/20/23

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) 9.8 TONS

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

Permit Requirements:

The vegetation clearing work will involve hand clearing a 20-foot-wide path along the centerline of the channel.

The vegetation (0.36 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|---|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 WADDLE BMP PLACED AT END OF REACH.

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: FRANCISCO MANRIQUEZ
ANTHONY MIRANO

Title: PWCL Date: 10/20/23

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**

Permit Requirements:

The vegetation clearing work will involve hand clearing a 20-foot-wide path along the centerline of the channel.

The vegetation (0.36 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

ALL HAND / POWER TOOLS ARE EQUIPPED WITH 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: FRANCISCO MANRIQUEZ
ANTHONY MIRANO

Title: PWCL Date: 10/20/23

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name CARBALLEDO CREEK INLET

Reach Number 5

Date	Air	H2O	Noise	Comment	Initial
10/17/23	X	X	X	PROTECT START DATE, STREAM WADDE PLACED AT END OF REACH	AKS
10/18/23	X	X	X		AKS
10/19/23	X	X	X		AKS
10/23/23	X	X	X	PROTECT COMPLETED	AKS

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

Permit Requirements: *The vegetation clearing work will involve hand clearing a 20-foot-wide path along the centerline of the channel.*

The vegetation (0.36 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities. Exotics shall be removed during maintenance activities.

Description of Activity/Method of Implementation:

ALL VEGETATION WAS REMOVED WITH HAND/POWER TOOLS
SUCH AS WEED EATERS, HEDGERS, AND CHAINSAWS. ALL
ARE EQUIPPED WITH PROPER EXHAUST

- 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: 10/17/23

Project end date: 10/20/23

Completed by: Name: FRANCISCO MARIQUEZ
ANTHONY MIRANO Title: PWCL Date: 10/20/23

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) 3.57 TONS

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

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

Permit Requirements: *The vegetation clearing work will involve hand clearing a 20-foot-wide path along the centerline of the channel.*

The vegetation (0.36 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities. Exotics shall be removed during maintenance activities.

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:

- | | |
|---|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 WADDLE PLACED AT END OF REACH.

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: FRANCISCO MANRIQUEZ
ANTHONY MIRANO

Title: PWCC Date: 10/20/23

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

Permit Requirements: *The vegetation clearing work will involve hand clearing a 20-foot-wide path along the centerline of the channel.*

The vegetation (0.36 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities. Exotics shall be removed during maintenance activities.

Description of Activity/Method of Implementation:

ALL HAND / POWER TOOL HAVE 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: FRANCISCO MANRIQUEZ
ANTHONY MIRANO

Title: PWC L Date: 10/20/23

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program

Reach Name CARBULETS CREEK INLET
Reach Number 6

Date	Air	H2O	Noise	Comment	Initial
10/17/23	X	X	X	START DATE, SPAN WHOLE AT END OF REACH.	Am
10/18/23	X	X	X		Am
10/19/23	X	X	X		Am
10/20/23	X	X	X	PROJECT COMPLETED	Am

2023-2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

wo #
840 5562

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:

SMALL POWER TOOL WERE USED ALSO HAND CLEARING AND HAND TOOLS WERE USED TO REMOVE AND CUT VEGETATION. ALL CUT WAS PLACED ON A TARP AND HAULED OUT AND LOADED INTO A PARKED WORK TRUCK WITH ENGINE OFF.

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:

BIRD SURVEY WAS PERFORMED BEFORE WORK WAS PERFORMED
NO BIRDS OR NESTING FOUND.

Project start date: 09-19-2023
09-20, 24, 26, 27-2023
10-03, 04, 17, 18, 19-2023

Project end date: 10-19-2023

Completed by: Name: JUAN RODARTE Title: P.W.C.L Date: 10-19-2023

Approved by: Name: M. Ocampo Title: F.C.C.S Date: 05-22-2024

2023-2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

WO#
840 5562

Impact Issue: Hydrology and Water Quality Trash/Debris Removed (Tons) 2.00

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

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:

- 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:

BMP WAS PERFORMED INSTALED STRAW BARRIERS.

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

BIOLOGIST WAS THERE FOR A FEW DAYS ONLY

Completed by: Name: JUAN RODARTE

Title: P.W.C.L Date: 10-19-23

Approved by: Name: M. Olimpio

Title: F.C.S.S Date: 05-22-2024

2023-2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

wo #
8405562

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:

DUMP TRUCKS WERE PARKED ON DESIGNATED AREA WITH
ENGINE OFF.

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:

PHOTOS OF WORK WERE TAKEN BEFORE DURING AND AFTER

Completed by: Name: JUAN RODARTE

Title: PWCL Date: 10-19-23

Approved by: Name: M. Olimpio

Title: F.C.C.S Date: 05-22-24

**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

Permit Requirements:

All vegetation in the channel will be kept clear during the dry season using hand-clearing methods.

Description of Activity/Method of Implementation:

All vegetation was removed with hand tools and power tools with approved exhaust.

- 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: _____

Project end date: _____

Completed by: Name: Francisco Manriquez Title: PWCL Date: 4/16/23
Anthony Mirano

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) 17.64

Mitigation Measure #: 2

Exotic Veg. Removed (Sq. Ft.) ∅

Location/Channel Reach#: **Reach No. 8 Project 470 Outlet**

T.G.: **561-E3**

Permit Requirements:

All vegetation in the channel will be kept clear during the dry season using hand-clearing methods.

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:

- | | |
|---|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 bale was placed at the end of the reach

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: Francisco Manriquez
Anthony Mirano

Title: PWCL Date: 11/16/23

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

Permit Requirements:

All vegetation in the channel will be kept clear during the dry season using hand-clearing methods.

Description of Activity/Method of Implementation:

All vegetation was removed with hand tools and power tools with 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: Francisco Manriquez
Anthony Milano

Title: PWCL Date: 11/16/23

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project
 Mitigation Monitoring Program
 Reach Name Haverhurst Drain - Project 470
 Reach Number 8

Date	Air	H2O	Noise	Comment	Initial
11/7/23	✓	✓	✓	Straw bale was placed at the end of the reach	FM
11/8/23	✓	✓	✓		FM
11/9/23	✓	✓	✓		FM
11/13/23	✓	✓	✓		FM
11/14/23	✓	✓	✓		FM
11/15/23	✓	✓	✓		FM
11/16/23	✓	✓	✓		FM

2023-2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

wo#
890 4672

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 9 Project 106 Outlet**

T.G.: 531-G7

Permit Requirements:

Brush and tree trimming will be performed where needed to keep growth at the levels that were left in November 1997.

Impacts shall not exceed 0.12 acre.

Description of Activity/Method of Implementation:

HAND TOOLS WERE USED TO CUT VEGETATION ALSO SMALL POWER TOOLS SUCH AS POWER HEDGERS AND WEED TRIMMERS WERE USED TO CUT 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:

BIRD SURVEY WAS PERFORMED BEFORE WORK BEGAN. NO BIRDS OR NESTING FOUND.

AIR QUALITY WAS NOT IMPACTED DUE TO HAND CLEARING.

Project start date: 10-24-2023

Project end date: 10-25-2023

Completed by: Name: JUAN RODARTE Title: PWCL Date: 10-25-2023

Approved by: Name: M. Olvera Title: F.C.C.S Date: 05-24-2024

2023-2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

wo #
840 4672

Impact Issue: **Hydrology and Water Quality**

Trash/Debris Removed (Tons) .75

Mitigation Measure #: 2

Exotic Veg. Removed (Sq. Ft.) NONE

Location/Channel Reach#: **Reach No. 9 Project 106 Outlet**

T.G.: 531-G7

Permit Requirements:

Brush and tree trimming will be performed where needed to keep growth at the levels that were left in November 1997.

Impacts shall not exceed 0.12 acre.

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 NEEDED NO FLOWING WATER.

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: JUAN RODRIGUEZ

Title: DWCL Date: 10-25-2023

Approved by: Name: San Olimpio

Title: F. C.C.S Date: 05-24-24

2023-2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

WO#
840 4672

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 9 Project 106 Outlet**

T.G.: 531-G7

Permit Requirements:

Brush and tree trimming will be performed where needed to keep growth at the levels that were left in November 1997.

Impacts shall not exceed 0.12 acre.

Description of Activity/Method of Implementation:

NO EXCESSIVE NOISE CREATED DUE TO HAND CLEARING AND SMALL
POWER TOOLS USED. ALL CUT VEGETATION WAS PLACED INTO A
TARP AND HAULED OUT INTO A PARKED WORK TRUCK WITH
ENGINE SHUT OFF

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:

BEFORE DURING AND AFTER PHOTOS WERE TAKEN OF
WORK BEING PERFORMED

Completed by: Name: JUAN RODARTE

Title: PWCL Date: 10-25-2023

Approved by: Name: M. Olimpio

Title: F.C.C.S Date: 05-24-2024

2023-2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

WO#
8405516

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:

ALONG BEACH EXCAVATOR ^{WAS} WERE USED AND A 4000 WATER TRUCK FOR
MOWING AND FIRE PREVENTION.

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:

BIRD SURVEY WAS PERFORMED BEFORE EACH WORK DAY NO BIRDS
NESTING OR EXOTIC PLANTS WERE LOCATED IN WORK AREA.

Project start date: 11-29-2023

Project end date: 12-29-2023

11-29, 30-2023
12-01, 04, 05, 06, 07, 08 - 11, 12-13, 14, 15, 18, 19, 26, 27, 28, 29, 2023

Completed by: Name: JUAN RODARTE Title: PWCL Date: 12-29-2023

Approved by: Name: M. Olimpio Title: F. C. C. S Date: 05-24-2024

2023-2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

WO#
8405516

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality**

Trash/Debris Removed (Tons) 10

Mitigation Measure #: 2

Exotic Veg. Removed (Sq. Ft.) NONE

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: 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:

NO BMP NEEDED NOT ENOUGH WATER FLOWING TO L.A RIVER.

Biologist on site: Yes No

Date: _____

Biologist Comments/Instructions:

Completed by: Name: JUAN RODARTE

Title: PWCL Date: 12-29-23

Approved by: Name: [Signature]

Title: F.C.C.S Date: 05-24-24

2023-2024

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

WO #
8405516

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 HOUR. A LONG REACH EXCAVATOR AND A 4000G. WATER TRUCK WERE USED ON WORK SITE

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:

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

Completed by: Name: JUAN RODARTE

Title: P.W.C.L Date: 12-29-23

Approved by: Name: M. Lopez

Title: F.C.C.S Date: 05-24-24

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

Permit Requirements:

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: 01/08/24

Project end date: 01/09/24

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 01/09/24

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 1/9/24

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

*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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

None

Biologist on site: Yes No

Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS

Title: SUPERVISOR Date: 1/9/24

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 1/9/24

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

Permit Requirements:

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: RODOLFO ROSAS

Title: SUPERVISOR Date: 1/9/24

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 1/11/24

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No.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-foot 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 LOADED 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 MINIMIZE

Project start date: _____

Project end date: _____

Completed by: Name: G. Delgadillo Title: FCCS Date: 10/02/23

Approved by: Name: Benny Blazquez Title: CS Date: 10/14/23

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control (AS NEEDED) | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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: G. Delgado Title: FCCS Date: 10/02/23

Approved by: Name: Benny Aleman Title: CS Date: 10/14/23

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-foot 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 NEED 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: G. Delgado

Title: FCS Date: 10/02/23

Approved by: Name: [Signature]

Title: CS Date: 10/17/23



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 wood chips
and hand tools such as leaf rakes, axes 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: 10/04/2023

Project end date: 10/05/2023

Completed by: Name: G. Delgadillo Title: FCCS Date: 10/02/2023



Approved by: Name: Benny Hernandez Title: CS Date: 9/14/23

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: G. Delgadillo

Title: FCS Date: 10/02/23

Approved by: Name: Benny Alvarez

Title: CB Date: 9/14/27

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: G. Delgadillo

Title: FCCS Date: 10/02/23

Approved by: Name: [Signature]

Title: CS Date: 10/02/23

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 STALK PILED VEGETATION, USING A RENTAL
LONG REACH EXCAVATOR. ALL DEBRIS WERE LOADED
ONTO 10 YARD TRUCKS AND HAILED 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: _____

Project end date: _____

Completed by: Name: G. Delgadillo Title: FCCS Date: 9/14/23

Approved by: Name: Benny Alvarez Title: CS Date: 9/14/23

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.) Nil

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:

- | | |
|---|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input checked="" type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input checked="" type="checkbox"/> 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: G. Delgadillo Title: FCCS Date: 9/14/23

Approved by: Name: Benny Morazan Title: CS Date: 9/14/23

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 OF 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 HAILED AWAY TO THE DUMP.

Completed by: Name: G. DELGADILLO

Title: FCCS Date: 9/14/23

Approved by: Name: Benny Plesman

Title: CS Date: 9/14/23

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** T.G.: 504-C7
(Channel Inlet)

Permit Requirements:

Hand clear all understory vegetation. The tree canopy will remain. 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: 12/13/23

Project end date: 12/13/23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 12/13/23

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 12/13/23

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** T.G.: 504-C7
(Channel Inlet)

Permit Requirements:

Hand clear all understory vegetation. The tree canopy 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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

None

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS

Title: SUPERVISOR Date: 12/13/23

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 12/13/23

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** T.G.: 504-C7
(Channel Inlet)

Permit Requirements:

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

Description of Activity/Method of Implementation:

*Work done 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: 12/13/23

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 12/13/23

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM**

Reach Name Verdugo Wash - Las Barras Cyn.
 Reach Number 169

Date	Air	H2O	Noise	Comment	Initial
12/13/23	✓	✓	✓	None	RR

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**

Permit Requirements:

Hand clear all vegetation and tree branches from the invert between the pipe and wire revetments. Allow native shrub species to grow and become established in 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: 12/13/23

Project end date: 12/13/23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 12/13/23

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 12/13/23

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**

Permit Requirements:

Hand clear all vegetation and tree branches from the invert between the pipe and wire revetments. Allow native shrub species to grow and become established in 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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

None

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS

Title: SUPERVISOR Date: 12/13/23

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 12/13/23

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

Permit Requirements:

Hand clear all vegetation and tree branches from the invert between the pipe and wire revetments. Allow native shrub species to grow and become established in 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 ordinance.

- 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: 12/13/23

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 12/13/23

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

Permit Requirements:

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: 12/15/23 Project end date: 12/15/23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 12/15/23

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 12/15/23

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

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 12/15/23

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 12/15/23

**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**

Permit Requirements:

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: SUPERVISOR Date: 12/15/23

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 12/15/23

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**

Permit Requirements:

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:

Handwork 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: 12/14/23

Project end date: 12/14/23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 12/14/23

Approved by: Name: Jorge Sandoval Title: Contract Adm. Date: 12/14/23

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.** T.G.: 504-J7
(strm @ private bridge)

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

None

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Rodolfo Rosas

Title: SUPERVISOR Date: 12/14/23

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 12/14/23

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

Permit Requirements:

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 ordinance

- 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: 12/14/23

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 12/14/23

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**

Permit Requirements:

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: 12/14/23

Project end date: 12/14/23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 12/14/23

Approved by: Name: Jorge Sandoval Title: Contract Adm. Date: 12/14/23

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** T.G.: 505- J7
(Main channel inlet D/S Bridge)

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

None

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROJAS

Title: SUPERVISOR Date: 12/14/23

Approved by: Name: Jorge Sandoval

Title: Contract Admin. Date: 12/14/23

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
(Main channel inlet D/S Bridge)**

T.G.: 505- J7

Permit Requirements:

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: RODOLFO ROSAS

Title: SUPERVISOR Date: 12/14/23

Approved by: Name: Jorge Sandoval

Title: Contract Adm. Date: 12/14/23

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

Permit Requirements:

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: 12/15/23

Project end date: 12/15/23

Completed by: Name: RODOLFO ROJAS Title: SUPERVISOR Date: 12/15/23

Approved by: Name: Jorge Sandoval Title: Contract Adm. Date: 12/15/23

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

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

None

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 12/15/23
Approved by: Name: Jorge Sanclaval Title: Contract Admin Date: 12/15/23

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

Permit Requirements:

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: PODOLFO ROSAS

Title: SUPERVISOR Date: 12/15/23

Approved by: Name: Jorge Sandoval

Title: Contact Adm. Date: 12/15/23

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 9/18/23

Project End Date: 10/27/23

Completed by:

Name:	<i>Jason V...</i>
Title:	<i>F.C.C.S</i>
Date:	<i>5/2/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/2/2024</i>

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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	7

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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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:

Approved by:

Name:	<i>Jason Vally</i>
Title:	<i>F.C.C.S</i>
Date:	<i>5/2/2024</i>

Name:	<i>EDEN BERMAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/20/2024</i>

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	<i>Jason Vuley</i>
Title:	<i>F.C.C.S</i>
Date:	<i>5/2/2024</i>

Approved by:

Name:	<i>EDEN BERMAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/20/2024</i>

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

Date	Air	H2O	Noise	Comment	Initial
9/18	GOOD	GOOD	MOD	FIRST DAY AND ALL IS WELL	A.C.
9/20	GOOD	GOOD	MOD	2ND DAY I WAS IN CLASS 9/19 3RD ALL IS WELL	A.C.
9/21	GOOD	GOOD	MOD	All is well	A.C.
9/22	GOOD	GOOD	MOD	All is well	A.C.
9/23	GOOD	GOOD	MOD	All is well	A.C.
9/25	GOOD	GOOD	MOD	All is well	A.C.
9/26	GOOD	GOOD	MOD	All is well	A.C.
9/27	GOOD	GOOD	MOD	All is well	A.C.
9/28	GOOD	GOOD	MOD	All is well	A.C.
9/29	GOOD	GOOD	MOD	All is well	A.C.
9/30	GOOD	GOOD	MOD	All is well	A.C.
10/1	GOOD	GOOD	MOD	All is well	A.C.

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

Date	Air	H2O	Noise	Comment	Initial
10/3	Good	Good	MOD	ALL IS WELL PUT A MESH TRAMP ACROSS LOW FLOW	A.C.
10/4	Good	Good	MOD	ALL IS WELL	A.C.
10/5	Good	Good	MOD	ALL IS WELL	A.C.
10/6	Good	Good	MOD	ALL IS WELL	A.C.
10/10	Good	Good	MOD	ALL IS WELL	A.C.
10/11	Good	Good	MOD	ALL IS WELL	A.C.
10/12	Good	Good	MOD	ALL IS WELL	A.C.
10/13	Good	Good	MOD	ALL IS WELL	A.C.
10/14	Good	Good	MOD	ALL IS WELL	A.C.
10/16	Good	Good	MOD	ALL IS WELL	JC
10/17	Good	Good	MOD	ALL IS WELL	JC
10/18	Good	Good	MOD	ALL IS WELL	JC

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

Date	Air	H2O	Noise	Comment	Initial
10/19	Good	Good	Med	All is well	JC
10/20	Good	Good	Med	All is well	JC
10/21	Good	Good	Med	All is well	JC
10/23	Good	Good	Med	All is well	JC
10/24	Good	Good	Med	All is well	JC
10/25	Good	Good	Med	All is well (cloudy weather) Slight Rain	JC
10/26	Good	Good	Med	All is well	JC
10/27	Good	Good	Med	All is well Project Complete	JC

9/18/23 DAY 1

Small crew 5 Ground Guys
2 TRUCK DRIVERS (OPERATING) SKID STEERS.
SET UP BAYS AT THE OUTLETS
SAND BAG & STRAW WATTLE. CUT CASTOR BEANS
ALL RENTAL EQUIPMENT WAS DELIVERED
2 SKIDSTEERS 3 FLAYEL MOWERS.
1 SKIDSTEER HAS A LEAK, HOSEMAN WILL
BE THERE TO REPAIR IN A.M.

9/19/23 DAY 2

HOSE MAN CAME AND FIXED
THE SKIDSTEER RENTAL.

9/20/23 DAY 3

6 GROUND GUYS CUTTING CASTOR BEANS
AND 3 SKIDSTEERS MOWING 1 WATER
TRUCK AND 2 FLAYEL MOWERS CUTTING LOW
FLOW

9/20/23 DAY 4

4 GROUND GUYS CUTTING CASTOR BEANS
3 FLAYEL MOWERS, 3 SKIDSTEERS

9/22/23

DAYS

11 GROUND GUYS CUTTING AROUND
THE OUTLETS 3 SKIDSTEERS MOWING
3 FLAYEL MOWERS. GROUND GUYS
STARTED FROM 91 FRUWY TO DELANO
(D) AND (R) BANK

9/23/23 DAY 6

5 GROUND GUY CUTTING AROUND
FROM (S) DELANO TO 710 FRUWY

2 SKIDSTEERS MOWING (LB) SANTA
91 FRUWY 2 FLAYEL MOWERS ON

9/25/23 DAY 7

2 GROUND GUYS 2 FLAYEL
MOWERS MOWING (W) OF SFW
(RB) 3 2 SKIDSTEER MOWING
(W) OF SANTA FE (LB)

9/26/23 DAY 8

2 GROUND GUYS CUTTING SLOW
AND BLOWING 3 SKIDSTEERS (2)
(RB) LOW DNE (LB) MOWING SOUTH OF
SANTA FE 1 FLAYEL MOWING 1
OF SANTA FE (LB)

9/27/23 DAY 9

5 GROUND GUYS CUTTING, LOADING
CASTOR BEANS, FLAYEL MOWER CUTTING

UPSTREAM SANTA FE (RB) 3 SKIDSTEER
MOWING DOWN STREAM SANTA FE

9/28/23 DAY 10

8 GROUND GUYS CUTTING, RAKING AND BLOWING
THE SLOPE FROM 71 - SANTA FE (RB)

1 BB BAR SCRAPING SLOPE WEST OF
GROUND GUYS. 1 FLAYEL MOWER MOWING

SOUTH OF SANTA FE (RB) 2 SKIDSTEERS
MOWING SOUTH OF SANTA FE (RB)

9/29/23 DAY 11

11 GROUND GUYS CUTTING SOUTH OF
DELANO (LB) 6 OF THEM CUTTING NORTH OF

SANTA FE 4 SKIDSTEER MOWERS 3
FLAYEL MOWERS 1 LOADER

9/30/23 DAY 12

8 GROUND GUYS 3 SKIDSTEERS 3 FLAYEL
MOWERS. 1 SKIDSTEER OUT OF COMMISSION RIP

10/2/23 DAY 13

10/2/23 DAY 13

3 GROUND GUYS 3 SKIDSTEERS 2 FLAYEL
MOWERS

DAY 14

10/3/23

0 GROUND GUYS 3 SKIDSTEER
MOWERS 3 FLAYEL MOWERS ALL
CUTTING SOUTH OF SANTA FE ALMOST
DELANO (LB) & (RB) 1 LOADER

10/4/23 DAY 15

0 GROUND GUYS 3 SKIDSTEERS MOWING
TO DELANNO ABOUT TO CROSS. 2 FLAYEL
MOWERS SOUTH OF SANTA FE & 1
NORTH OF SANTA FE SCRAPING 1 FLAYEL

10/5/23 DAY 16

0 GROUND GUYS 3 SKIDSTEER MOWERS
SOUTH OF DELANNO 2 SKIDSTEER FLAYEL
MOWERS NORTH OF DELANNO

10/6/23 DAY 17

5 GROUND GUYS RAKING SLOPES SOUTH OF
ALL MOWING by 3 SKIDSTEERS COMPLETED
(INVERT & SLOPES) 3 FLAYEL MOWERS MOWING
OF SANTA FE. 1 MOWER SCRAPING

10/12/23

Day 20

SKIDSTEERS WERE RELOCATED @ THE LA RIVER
34th ST 6 Ground Guys RAKING SLOPES south of
SANTA FE 1 loader SCRAPING SLOPES 2 Flyell
MOWERS mowing south of SANTA FE.

10/13/23

Day 21

6 Ground Guys cutting & RAKING SLOPES
SOUTH OF SANTA FE 1 loader SCRAPING 2 Flyell
MOWERS mowing south of SANTA FE
2 of THE 6 SHAKER PLATES WERE MOVED
2. LA RIVER

10-16-23

Day 22

3 operators working on Compton Creek
Santa Fe and Del Amo Ave. continue
removing vegetation through mowing
thinning. No Ground personnel were
to Proj 609 for weed removal.

10-17-23

3 operators working ^{continue} on Compton
No Man Power for the slopes. All Av
personnel were sent to complete
Priority work order on Proj 609.
Fog in the morning ^{dry} sunny and
The afternoon. 3 Excavators, 2 Sh
Passed Del Amo between Del Amo

10-18-23

3 operators Excavators. operators
work on Compton Creek removing
in the middle. finished 3/4 with 710
4 Personnel for Ground work on S
Weather Fog in the morning and cl
Dry and clear in the afternoon.

10-19-23

3 operators 3 excavators, 2 shaker plates
continue work on Compton Creek in the middle. Operators about to reach TD
Fwy underpass possible flooding around area making difficult for operators to cut down vegetation, 4 personnel for brand work on the channel slopes.
Started ~~work~~ ^{work} between Santa Fe Ave and Del Amo. Back ~~to~~ ^{to} Del Amo. 4 people 1 blower, 1 weed wacker, water. Test work is done till

Monday Oct 23, 2023

10-20-23

4 operators, 1 ground personnel. Continued work on Compton Creek, starting was ~~to~~ ^{at} bike trail side leading to Tio Fwy Fwy

Del Amo. Not all 4 people were present into morning they were ~~task~~ ^{task} with additional duties on slope. financing was required to complete job. Not a big turn out of workers for Friday. weather

10-21-23

2 operators were moved today to ~~to~~ ^{to} commence or continued work
to commence or continued work
2 operators were left at Compt.
1 for vegetation removal at low
1 for stripping of the concrete
7 personnel for hard work vegeta
removal. Commence work at
underpass just slight to rec
San Finence of Compton Creek
LA River. weather HOT Dr
Clear.

10-23-23

operator 1 driver, 3 ha
operator work continued on C
Creek. Had operator pick up bag
of debris to have them take to
waste management
dump site on site. Truck. Remo

personnel were ~~tasked~~ ^{tasked} to Ra
slope on E/B bringing own vigil
on slope. financing was required
pick up of Rental equipment
financing was required

10-24-23] Operator 4 Manpower | BWSCL

Continue working on Compton Creek. Raking, and using Blowers, to focus on raking down slopes debris down the improved slope to unimproved area. Managed to rake the invert of channel. Used Cox up to middle of between Santa Fe to get past halfway and we and Del Amo R/B on Primary, Secondary V of channel, was able to make and third containment area have significant progress work u been removed per order from Foreman having more Manpower allow in charge. New Rake have been met dead live to finish clear Perceived for crew and extra personnel

to come to work on the weekends. 10-26-23 operators to cross number vegetation on the slope seems to be Thick so crew using steel Rake and Blower to bring down leaf litter over debris.

10-25-23]

Operator 7 crew members Continue Compton Creek, working Raking, and using Blowers, to debris down the improved slope to unimproved area. Managed to rake the invert of channel. Used Cox up to middle of between Santa Fe to get past halfway and we and Del Amo R/B on Primary, Secondary V of channel, was able to make and third containment area have significant progress work u been removed per order from Foreman having more Manpower allow in charge. New Rake have been met dead live to finish clear

10-26-23]

operators to cross number continued work along Compton Creek used all available Blowers to F Blowing down slopes of all Re debris left behind. Manage to up to Del Amo from previous work left behind. Used other equipment such as Hedger to recut vegetation behind. weather clear / Dry / sun

10-22-23

Continue work on Compton Creek
to the other side of Delano r/w
Up to 710 Fwy underpass, limited
amount of manpower used to slow
debris left on slopes, Compton Creek
Reach number 24 complete.

Water Truck was used to spray down
both R/W of any leftover debris.

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 25 (Los Angeles River)
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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 10/13/23

Project End Date: 11/30/23

Completed by:

Name:	<i>Jason King</i>
Title:	<i>F. C. CS</i>
Date:	<i>5/2/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/2/2024</i>

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 25 (Los Angeles River)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	13.5

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 cleaned 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 Sand Bag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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:

Approved by:

Name:	<i>Jason Kelly</i>
Title:	<i>F.C.C.S</i>
Date:	<i>5/2/2024</i>

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/20/2024</i>

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 25 (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:

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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	<i>Jurson Valz</i>
Title:	<i>F. C. C. S</i>
Date:	<i>5/2/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/20/2024</i>

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

Date	Air	H2O	Noise	Comment	Initial
10-13-2023	NORMAL	NORMAL	NORMAL	STARTED SOFT BOTTOM AT LA RIVER 3 SKIDSTEER MOWING HAD SMALL FIRE FROM PROPANE TANK	E.T
10-14-2023	NORMAL	NORMAL	NORMAL	2 SKIDSTEERS MOWING	S.C.
10-16-2023	N/A	N/A	N/A	HAD REPAIRS DONE ON SKIDSTEER NO WORK DONE TODAY	E.T
10-17-2023	N/A	N/A	N/A	CLASS E.S.C.P	E.T
10-18-2023	N/A	N/A	N/A	NO WORK DONE TODAY CLASS E.S.C.P	E.T
10-19-2023	N/A	N/A	N/A	NO WORK DONE TODAY	E.T
10-20-2023	N/A	N/A	N/A	NO WORK DONE TODAY	E.T
10-21-23	NORMAL	NORMAL	NORMAL	2 SKIDSTEER MOWING	RG
10-23-2023	NORMAL	NORMAL	NORMAL	2 SKIDSTEEL MOWING 1 LOADER FIXING ROAD	E.T
10-25-2023	NORMAL	NORMAL	NORMAL	1 MINI EX MOWING 1 MINI EX MOWING	E.T
10-26-2023	NORMAL	NORMAL	NORMAL	1 SKIDSTEER MOWING 1 MINI EX MOWING	E.T
10-27-2023	NORMAL	NORMAL	NORMAL	1 SKIDSTEEL MOWING 1 LOADER FIXING ROAD	E.T

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

Date	Air	H2O	Noise	Comment	Initial
10-30-2023	NORMAL	NORMAL	NORMAL	2 MINI EX MOWING	E.T
10-31-2023	NORMAL	NORMAL	NORMAL	2 MINI EX MOWING 1 MINI EX MOWING 1 LOADER WORKING	E.T
11-1-2023	NORMAL	NORMAL	NORMAL	1 MINI EX MOWING STRATED 7 SKIDSTEER MOWING 1 BACK	E.T
11-2-2023	NORMAL	NORMAL	NORMAL	2 MINI EX MOWING 2 SKIDSTEER MOWING 1 B	E.T
11-3-2023	NORMAL	NORMAL	NORMAL	1 MINI EX MOWING 2 SKIDSTEER MOWING	E.T
11-6-2023	NORMAL	NORMAL	NORMAL	1 SKIDSTEER MOWING 1 MINI EX MOWING 1 MINI EX MOWING	E.T
11-7-2023	N/A	N/A	N/A	TRANQUILITY 1 MINI EX MOWING 1 SKIDSTEER MOWING	E.T
11-8-2023	NORMAL	NORMAL	NORMAL	2 MINI EX MOWING 2 SKIDSTEER MOWING	E.T
11-13-2023	NORMAL	NORMAL	NORMAL	5 PEOPLE WORKING SLOPES	E.T
11-14-2023	NORMAL	NORMAL	NORMAL	8 PEOPLE WORKING SLOPES AND RIGHT OF WAY	E.T
11-15-2023	NORMAL	NORMAL	NORMAL	8 PEOPLE WORKING SLOPES AND RIGHT OF WAY	E.T
11-16-2023	NORMAL	NORMAL	NORMAL		E.T

R/BANK

LA RIVER REACH 25

10-13-2023 STARTED LA RIVER SOFT
BOTTOM CLEARING EQUIPMENT

2 MOWERS 2 OPERATORS NO GUARD
CREW. A SMALL FIRE WAS IGNITED
BY MOWER CUTTING INTO A PROPANE
TANK THE FIRE WAS QUICKLY EXTINGUISHED

10-14-2023 LA RIVER SOFT BOTTOM CLEARING
EQUIPMENT 2 SKIDSTEERS MOVING

2 OPERATORS OPERATING

10-16-2023 WORK CANCELED AT LA RIVER
EQUIPMENT WAS WORKED ON NO OPERATOR
AVAILABLE

REACH 25 R/BANK
10-23-2023 LA RIVER SOFT BOTTOM
EQUIPMENT 2 SKID STEELS
2 OPERATORS OPERATING 2 MINI EX
WERE DELIVERED TODAY

10-25-2023 LA RIVER SOFT BOTTOM
EQUIPMENT 1 LOADER 1 MINI EX

10-26-2023 LA RIVER SOFT BOTTOM
EQUIPMENT 1 MINI EX MOWING
1 SKIDSTEEL MOWING
MIN EX DOWN BROKEN BEARINGS

10-27-2023 LA RIVER SOFT BOTTOM
EQUIPMENT 1 MINI EX MOWING
1 SKIDSTEEL MOWING
1 LOADER FIX ROAD

10-30-2023 LA RIVER SOFT BOTTOM
1 MINI EX MOWING
1 SKIDSTEEL MOWING

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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-foot 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 ground 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 09/15/23

Project End Date: 10/02/23

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-7-24

Approved by:

Name:	EDEN BERMAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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	28

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 bushes. 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 was 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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 quality impacts. Water Quality Sampling results provided in Annual Report.

Completed by:

Approved by:

Name:	M. Stephens
Title:	Construction Superintendent
Date:	5-7-24

Name:	EDEN BERHAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 26 (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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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:	5-7-24

Approved by:

Name:	EDEN BERMAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

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

Date	Air	H2O	Noise	Comment	Initial
9/15/23	GOOD	GOOD	GOOD	Start point right bank top of slope to toe worked south down stream 85% of right bank complete	A.L
9/16/23	GOOD	GOOD	GOOD	Continued right bank west side slope to toe 5% remaining vegetation	A. L
9/18/23	GOOD	GOOD	GOOD	Continued right bank 1% remaining. Started left bank 50' section cut	A. L
9/19/23	GOOD	GOOD	GOOD	Completed right bank North of Artesia continued cutting & vegetation removal on right bank	A.L
9/20/23	GOOD	GOOD	GOOD	Working on left bank approximately 200' downstream of vegetation cut & picked up	A.L
9/21/23	GOOD	GOOD	GOOD	50% left bank downstream of Artesia completed. Cut and removed vegetation. Water sampler requested additional BMP downstream North of Cassidy	A.L
9/22/23	GOOD	GOOD	GOOD	65% left bank downstream of Artesia complete Installed additional BMP upstream of Cassidy. cut	A.L
9/23/23	GOOD	GOOD	GOOD	80% complete left bank downstream of Artesia cut & removed vegetation	A.L
9/25/23	GOOD	GOOD	GOOD	85% complete left bank downstream of Artesia cut & removed vegetation. Started mowing downstream of Artesia	A.L
9/26/23	GOOD	GOOD	GOOD	90% of vegetation removal complete downstream of Artesia. Cut & removed vegetation: clean-up & trimming	A.L
9/27/23	GOOD	GOOD	GOOD	Continued mowing South of Artesia and hand work North of Artesia 95% completed	A.L
9/28/23	GOOD	GOOD	GOOD	Hand work South of Artesia cutting vegetation North of Artesia 99% completed final walk through and minor trimming neededreinstalled boom BMP at	A.L

**LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE
2023- 2024 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 the two reaches, but vegetation on the island and on the reach banks will remain. Clearing work in the reach invert will be done with mechanical equipment. Vegetation on the banks (from toe up 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 impede flow. Minimal dust was generated. Water trucks were used for dust suppression as necessary.

Disposition:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 01/13/23

Project End Date: 11/29/23

Completed by:

Name:	m. stephenson 
Title:	Construction Superintendent
Date:	5-14-24

Approved by:

Name:	EDEN BERMAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/24

Compliance Verification Form

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023- 2024 MITIGATION MONITORING PROGRAM

Location/Channel Reach	Reach No. 27 (Wilmington Drain)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	10

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 implemented, and BMP's were placed to maintain water quality. All equipment, and trucks had their tires 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: Yes

Date on Site: During site activity

Comments/Revisions:

Work was done in the channel avoiding water.

Completed by:

Approved by:

Name:	<u>W. Stephenson</u>
Title:	<u>Construction Superintendent</u>
Date:	<u>5-24-24</u>

Name:	<u>EDEW BERHAN</u>
Title:	<u>SENIOR CIVIL ENGINEER</u>
Date:	<u>5/20/2024</u>

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023- 2024 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	M. Stephens
Title:	Construction Superintendent
Date:	5-14-24

Approved by:

Name:	EDEN BERMAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

11-13-23 Start of SBC
AT Wilmington drain

Today we first had a meeting with biologist at Pch hwy. We were given a training class for bird survey. BMP was placed S/o Pch outlet. Mowing and ground crew started N/o Lomita blvd. No issues encountered.

11-14-23

Today we started N/o Lomita blvd. Ground crew started cutting custer beans putting them on plastic. Mowing with Skidster continued on. Contractors continued cutting S/o Lomita blvd. No issues encountered.

11-15-23

Today contractors started S/o Lomita blvd. Mowing with skidster and weed wiper on slopes R/B. We started cutting with weed wiper closer to 110fwy N/o Lomita and mower. It started to rain at 11:00 AM. Production was slowed down. No issues encountered.

11-16-23

Contractors continued cutting on SB and slope S/o Lomita. We only have 2 ground crew workers and skidster Mower n/o Lomita. Contractors got up to Ramp on L/B S/o Lomita with cutting vegetation. No issues encountered.

11-17-23

Today we started hauling caster beans n/o Lomita blvd. *ONE full truck load Ten yard of caster beans was hauled out. Mowing was completed today. Tomorrow few more piles of vegetation and tree branches to haul out n/o Lomita. No issues encountered.

11-18-23

Today we continued hauling ^{* 2 LOADS hauled out vegetation} vegetation and trash. Contractors did not work today. Today we completed work n/o Lomita blvd. Contractors will continue cutting S/o of Lomita on Monday until they finish. No issues encountered.

11-20-23 Wilmington
DRAIN

Today contractors will continue on R/B between Pch and Lomita Blvd on slope vegetation control. Mowing was done with skidster S/o Lomita Blvd. No issues encountered. R/B was completed yesterday.

11-21-23

Contractor started S/o Lomita L/B on slope. Cutoff will continue tomorrow. No issues encountered.

Contractor started ¹¹⁻²²⁻²³ S/o Lomita L/B on slope approximately 250' d/s of Lomita. Contractors stopped working S/o Access ramp to channel L/B. So far two containers have been filled with vegetation. No issue encountered today.

11-27-23

Contractor started approximately 150' d/s of ramp to channel. Contractor finished up to channel next to condos. Tomorrow will start inside condos property. No issues encountered.

11-28-23
wilmington Drain notes

Contractors started N/O Pch hwy 4/B.
Entered through Condo's property.
NO issues encountered.

11-29-23
Contractors started on north drive gate
inside Condo's property. ONE container
filled with brush on section by the condo's
Contractors completed SBC, NO issues
encountered.

**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

Permit Requirements:

The channel clearing work will involve removing all vegetation from the ungrouted rock levee, hand clearing all vegetation along the levee from the base to a distance of 20 feet.

The Operator shall avoid impacts to southwestern pond turtles. Clearing shall not extend beyond the area that was cleared in 1997 or as stated in the maintenance plan without prior approvals from the Department. Surveys for sensitive species (i.e., pond turtles) may be required if additional clearing is needed. No native trees shall be removed with a 2 inch diameter at breast height or greater. The 0.2-acre of vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

All vegetation was removed with hand tools and power tools with approved exhausts.

- 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: 11/20/23

Project end date: 11/21/23

Completed by: Name: Francisco Manriquez Title: PWCL Date: 11/21/23
Anthony Mirano

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) .79

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

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

Permit Requirements:

The channel clearing work will involve removing all vegetation from the ungrouted rock levee, hand clearing all vegetation along the levee from the base to a distance of 20 feet.

The Operator shall avoid impacts to southwestern pond turtles. Clearing shall not extend beyond the area that was cleared in 1997 or as stated in the maintenance plan without prior approvals from the Department. Surveys for sensitive species (i.e., pond turtles) may be required if additional clearing is needed. No native trees shall be removed with a 2 inch diameter at breast height or greater. The 0.2-acre of vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 straw bale needed. Reach is dry.

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Francisco Manriquez Title: PWCL Date: 11/21/23
Anthony Mirano

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

Permit Requirements:

The channel clearing work will involve removing all vegetation from the ungrouted rock levee, hand clearing all vegetation along the levee from the base to a distance of 20 feet.

The Operator shall avoid impacts to southwestern pond turtles. Clearing shall not extend beyond the area that was cleared in 1997 or as stated in the maintenance plan without prior approvals from the Department. Surveys for sensitive species (i.e., pond turtles) may be required if additional clearing is needed. No native trees shall be removed with a 2 inch diameter at breast height or greater. The 0.2-acre of vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

All power tools are fitted with 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: Francisco Mansriquez
Anthony Mirano

Title: PWCL Date: 11/21/23

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.29 Las Virgenes (PD T1684) M.C.I. T.G.: 558-H3**

Permit Requirements:

The channel clearing work will involve hand clearing a 30-foot-wide strip along the watercourse low flow from the debris posts to the right-of-way boundary.

The Operator shall avoid impacts to southwestern pond turtles. The Operator shall not impact the 0.61-acre of vegetation that was allowed to remain in 1997. No native trees shall be removed with a 2-inch diameter at breast height or greater.

Description of Activity/Method of Implementation:

ALL VEGETATION WAS CUT/REMOVED BY HAND. ALL POWER TOOLS ARE EQUIPPED WITH APPROVED EXHAUST.

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: 1/8/24 Project end date: 1/11/24

Completed by: Name: ANTHONY MIRANO Title: PWCL Date: 1/11/24

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) 15.97

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**

Permit Requirements:

The channel clearing work will involve hand clearing a 30-foot-wide strip along the watercourse low flow from the debris posts to the right-of-way boundary.

The Operator shall avoid impacts to southwestern pond turtles. The Operator shall not impact the 0.61-acre of vegetation that was allowed to remain in 1997. No native trees shall be removed with a 2-inch diameter at breast height or greater.

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:

- | | |
|---|---|
| <input type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 WADDLE WAS PLACED AT END OF REACH.

Biologist on site: Yes No

Date: N/A

Biologist Comments/Instructions:

Completed by: Name: ANTHONY MIRANO

Title: PWCL

Date: 1/11/24

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**

Permit Requirements:

The channel clearing work will involve hand clearing a 30-foot-wide strip along the watercourse low flow from the debris posts to the right-of-way boundary.

The Operator shall avoid impacts to southwestern pond turtles. The Operator shall not impact the 0.61-acre of vegetation that was allowed to remain in 1997. No native trees shall be removed with a 2-inch diameter at breast height or greater.

Description of Activity/Method of Implementation:

ALL POWER TOOLS USED TO COMPLETE PROJECT CONTAIN
APPROVED MUFFLERS TO REDUCE NOISE.

- 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 8:00AM, TO NOT DISTURB
RESIDENTS.

Completed by: Name: ANTHONY MIRANO

Title: PWCL Date: 1/11/24

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name LAS VIRGENES

Reach Number 29

Date	Air	H2O	Noise	Comment	Initial
1/8/24	X	X	X	PROJECT START DATE. STRAW WADDE PLACED @ END OF REACH.	AK
1/9/24	X	X	X		AK
1/10/24	X	X	X		AK
1/11/24	X	X	X	PROJECT COMPLETE	AK

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

Permit Requirements:

The work will involve hand clearing of all vegetation between the pipe and wire. Embankment vegetation outside the pipe and wire channel will be left in place.

Description of Activity/Method of Implementation:

ALL VEGETATION WAS CUT/REMOVED BY HAND USING POWER TOOLS. ALL POWER TOOLS ARE EQUIPPED WITH APPROVED EXHAUST SYSTEM.

- 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 WATER FLOW, NO STRAW WADDLE NEEDED.

Project start date: 1/16/24

Project end date: 2/2/24

Completed by: Name: ANTHONY MIRANO Title: PWCL Date: 2/2/24

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) 33.35

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

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

Permit Requirements:

The work will involve hand clearing of all vegetation between the pipe and wire. Embankment vegetation outside the pipe and wire channel will be left in place.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 FLOWING WATER, NO STRAW WADDLE NEEDED

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: ANTHONY MIRANO Title: PWCL Date: 2/2/24

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. 32 Stokes Canyon
Channel. PD T043**

T.G.: 588- J4 TO H4

Permit Requirements:

The work will involve hand clearing of all vegetation between the pipe and wire. Embankment vegetation outside the pipe and wire channel will be left in place.

Description of Activity/Method of Implementation:

ALL POWER TOOLS USED ON JOB SITE ARE EQUIPPED
WITH PROPER MUFFLER. WORK DID NOT START BEFORE
8:00 AM SO RESIDENTS 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: ANTHONY MIRANO

Title: PWCL. Date: 2/2/24

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name STOKES CANYON CHANNEL
 Reach Number 32

Date	Air	H2O	Noise	Comment	Initial
1/16/24	X	X	X	START OF PROTECT	AM
1/17/24	X	X	X		AM
1/18/24	X	X	X		AM
1/19/24	X	X	X		AM
1/23/24	X	X	X		AM
1/24/24	X	X	X		AM
1/25/24	X	X	X		AM
1/26/24	X	X	X		AM
1/29/24	X	X	X		AM
1/30/24	X	X	X		AM
1/31/24	X	X	X		AM
2/2/24	X	X	X	PROTECT COMPLETE	AM

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 33 Medea Creek (PD T1378 u.2)**

T.G.: 558-A4

Permit Requirements:

The work will involve mechanical clearing of all the vegetation in the channel.

The Operator shall avoid vegetation clearing due to sensitive resources. If any vegetation needs to be cleared during future maintenance activities, the Operator shall provide additional mitigation for those impacts. The entire 0.69-acre mod. area is vegetated. Therefore, if clearing all vegetation, need to mitigate for an additional 0.69 acre of riparian vegetation. Vegetation shall be removed by hand clearing only. No native trees shall be removed with a 2-inch diameter at breast height or greater.

Description of Activity/Method of Implementation:

ALL VEGETATION WAS CUT/REMOVED BY HAND, USING
POWER TOOLS SUCH AS HEDGERS, WEED WACKERS, CHAINSAWS
AS WELL AS TAPPS.

- 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: 11/28/23

Project end date: 12/14/23

Completed by: Name: ANTHONY MIRANO Title: RNCL Date: 11/28/23

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) 15.44
Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) 0
Location/Channel Reach#: **Reach No. 33 Medea Creek (PD T1378 u.2)** T.G.: **558-A4**

Permit Requirements:

The work will involve mechanical clearing of all the vegetation in the channel.

The Operator shall avoid vegetation clearing due to sensitive resources. If any vegetation needs to be cleared during future maintenance activities, the Operator shall provide additional mitigation for those impacts. The entire 0.69-acre mod. area is vegetated. Therefore, if clearing all vegetation, need to mitigate for an additional 0.69 acre of riparian vegetation. Vegetation shall be removed by hand clearing only. No native trees shall be removed with a 2-inch diameter at breast height or greater.

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:

- | | |
|---|--|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input checked="" type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

TREES / BRANCHES GREATER THAN 1" CANNOT BE CUT.

Biologist on site: Yes No

Date: 11/28/23 - 12/14/23

Biologist Comments/Instructions:

Completed by: Name: ANTHONY MIRANO Title: RNCL Date: 11/28/23
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. 33 Medea Creek (PD T1378 u.2)**

T.G.: 558-A4

Permit Requirements:

The work will involve mechanical clearing of all the vegetation in the channel.

The Operator shall avoid vegetation clearing due to sensitive resources. If any vegetation needs to be cleared during future maintenance activities, the Operator shall provide additional mitigation for those impacts. The entire 0.69-acre mod. area is vegetated. Therefore, if clearing all vegetation, need to mitigate for an additional 0.69 acre of riparian vegetation. Vegetation shall be removed by hand clearing only. No native trees shall be removed with a 2-inch diameter at breast height or greater.

Description of Activity/Method of Implementation:

ALL POWER TOOLS USED ARE EQUIPPED WITH 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: ANTHONY MIRANO

Title: PNCL Date: 11/28/22

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program

Reach Name MEDEA CREEK - PD 1378 W2
Reach Number 33

Date	Air	H2O	Noise	Comment	Initial
11/28/23	X	X	X	PROJECT START DATE	AK
11/29/23	X	X	X		AK
11/30/23	X	X	X		AK
12/1/23	X	X	X		AK
12/4/23	X	X	X		AK
12/5/23	X	X	X		AK
12/6/23	X	X	X		AK
12/7/23	X	X	X		AK
12/8/23	X	X	X		AK
12/11/23	X	X	X		AK
12/12/23	X	X	X		AK
12/13/23	X	X	X		AK

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name MEDVA CREEK - PD1378 U2

Reach Number 33

Date	Air	H2O	Noise	Comment	Initial
12/14/23	X	X	X	Protect completed	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. 35 Medea Creek
Main Channel Inlet - under Route 101**

T.G.: 558-A5

Permit Requirements:

Hand clearing will be performed to keep reach clear of all vegetation.

Impacts shall not exceed 0.14 acre. No native trees shall be removed with a 2-inch diameter at breast height or greater.

Description of Activity/Method of Implementation:

All vegetation was removed with hand tools. All power tools (weed eaters and hedgers) are fitted with approved exhaust

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 the end of the reach.

Project start date: 10/25/23

Project end date: 10/25/23

Completed by: Name: Francisco Manriquez Title: PWCL Date: 10/25/23
Anthony Mirano

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) .60

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

Permit Requirements:

Hand clearing will be performed to keep reach clear of all vegetation.

Impacts shall not exceed 0.14 acre. No native trees shall be removed with a 2-inch diameter at breast height or greater.

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:

- | | |
|---|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 bale was placed at the end of the reach.

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Francisco Manriquez Title: PWCL Date: 10/25/23
Anthony Mirano

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
Main Channel Inlet - under Route 101**

T.G.: 558-A5

Permit Requirements:

Hand clearing will be performed to keep reach clear of all vegetation.

Impacts shall not exceed 0.14 acre. No native trees shall be removed with a 2-inch diameter at breast height or greater.

Description of Activity/Method of Implementation:

All power tools (weed eaters & hedgers) are fitted with approved mufflers and all vegetation was removed with tarps.

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: Francisco Manriquez
Anthony Mirano

Title: PWCL Date: 10/25/23

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project
 Mitigation Monitoring Program

Reach Name Medea Creek - Main channel Inlet
 Reach Number 35

Date	Air	H ₂ O	Noise	Comment	Initial
10/25/23	✓	✓	✓	Straw bale placed at the end of the reach	FM

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**

Permit Requirements:

The clearing work will involve hand cutting/trimming three two-inch diameter trees. New vegetation will be cleared annually to prevent blockage of the inlet during the dry season.

The Operator shall not impact the 0.05-acre of vegetation that was allowed to remain in 1997. The vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities

Description of Activity/Method of Implementation:

ALL HAND/POWER TOOLS SUCH AS WEED EATERS, HEDGERS
AND CHAIN SAWS ARE EQUIPPED WITH APPROVED EXHAUST.

- 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 WATER - NO BOOM NEEDED

Project start date: 10/31/23

Project end date: 10/31/23

Completed by: Name: FRANCISCO MARRIQUEZ
ANTHONY MIRANO Title: PNCL Date: 10/31/23

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) 3.53 TONS

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

Location/Channel Reach#: **Reach No. 36 Cheseboro Main Channel Inlet** T.G.: **558-C6**

Permit Requirements:

The clearing work will involve hand cutting/trimming three two-inch diameter trees. New vegetation will be cleared annually to prevent blockage of the inlet during the dry season.

The Operator shall not impact the 0.05-acre of vegetation that was allowed to remain in 1997. The vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 WATER PRESENT

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: FRANCISCO MANRIQUEZ Title: PWCL Date: 10/31/23
ANTHONY MIRANO

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**

Permit Requirements:

The clearing work will involve hand cutting/trimming three two-inch diameter trees. New vegetation will be cleared annually to prevent blockage of the inlet during the dry season.

The Operator shall not impact the 0.05-acre of vegetation that was allowed to remain in 1997. The vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities

Description of Activity/Method of Implementation:

ALL HAND/POWER TOOL ARE EQUIPPED WITH APPROVED
MUFFLERS. WORK WAS CONDUCTED AFTER 8 AM SO RESIDENTS
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: FRANCISCO MARIQUEZ
ANTHONY MIRANO

Title: PWCL Date: 10/31/23

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program

Reach Name CHESTERBORO CYN CHANNEL INLET
Reach Number 36

Date	Air	H2O	Noise	Comment	Initial
10/31/23	X	X	X	SMET DATE, PROTECT COMPLETED.	AW

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**

Permit Requirements:

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

No work was done and 0.25 acres of vegetation was present in the channel in 1997. The vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

ALL HAND/POWER TOOLS ARE EQUIPPED WITH APPROVED EXHAUST SYSTEM.

- 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: 11/7/23 Project end date: 11/2/23

Completed by: Name: FRANCISCO MARIQUEZ ANTHONY MIRANO Title: PWCL Date: 11/2/23

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) 34.13 TONS

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

Location/Channel Reach#: **Reach No. 37 Medea Ck/Chesesboro Ck Outlet** T.G.: **558-A6**

Permit Requirements:

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

No work was done and 0.25 acres of vegetation was present in the channel in 1997. The vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|---|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 WADDLE BMP WAS PLACED AT END OF REACH.

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: FRANCISCO MANDRIQUEZ Title: PWCL Date: 11/2/23
ANTHONY MIRANO

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**

Permit Requirements:

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

No work was done and 0.25 acres of vegetation was present in the channel in 1997. The vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

ALL POWER TOOLS USED ARE EQUIPPED WITH APPROVED
MUFFLERS TO REDUCE NOISE.

- 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: FRANCISCO MANRIQUEZ
ANTHONY MIRANO Title: PWCL Date: 11/2/23

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

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name MEDEA CREEK OUTLET

Reach Number 37

Date	Air	H2O	Noise	Comment	Initial
11/1/23	X	X	X	STAND SAMPLE PLACED @ END OF REACH STOPS DATE	<i>AM</i>
11/2/23	X	X	X	PROJECT COMPLETE	<i>AM</i>

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**

Permit Requirements:

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

Impacts shall not exceed 0.19 acre. No native trees shall be removed with a 2 inch diameter at breast height or greater.

Description of Activity/Method of Implementation:

Vegetation was removed by hand cutting and with power tools that
have approved exhaust.

- 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: 11/3/23

Project end date: 11/6/23

Completed by: Name: Francisco Manriquez Title: PWCL Date: 11/6/23
Anthony Mirano

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) 40.07

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

Location/Channel Reach#: **Reach No. 38 Lindero M.C.O. T.G.: 558-A6**

Permit Requirements:

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

Impacts shall not exceed 0.19 acre. No native trees shall be removed with a 2 inch diameter at breast height or greater.

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:

- | | |
|---|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 bale was placed at the end of the reach

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Francisco Manriquez Title: PWCL Date: 11/6/23
Anthony Mirano

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**

Permit Requirements:

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

Impacts shall not exceed 0.19 acre. No native trees shall be removed with a 2 inch diameter at breast height or greater.

Description of Activity/Method of Implementation:

All vegetation that was removed with power tools are fitted with 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: Francisco Manriquez
Anthony Mirano

Title: PWCL Date: 11/6/23

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project
 Mitigation Monitoring Program
 Reach Name Lindero Canyon Outlet
 Reach Number 38

Date	Air	H ₂ O	Noise	Comment	Initial
11/3/23	✓	✓	✓		
11/6/23	✓	✓	✓	Straw bale was placed at the end of the reach	FM
					FM

**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: N/A

Project end date: N/A

**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: 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: 3/26/2024

Approved by: _____ Title: _____ Date: _____

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dbui@pw.lacounty.gov C =
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**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: 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: 10/09/2023

Project end date: 12/22/2023

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

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 335

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: 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: 12/22/2023

Approved by: _____ Title: _____ Date: _____

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dbui@pw.lacounty.gov C =
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**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: 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: 10/03/2023

Project end date: 2/28/2024

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

Impact Issue: **Hydrology and Water Quality** **Trash/Debris Removed (Tons)** 265

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: 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: 2/28/2024

Approved by: _____ Title: _____ Date: _____

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dbui@pw.lacounty.gov C = US O
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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: 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: 9/18/2023

Project end date: 11/06/2023

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

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 439

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: 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: 11/06/2023

Approved by: _____ Title: _____ Date: _____

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**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: 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: 10/25/2023

Project end date: 1/31/2024

**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: 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: 1/31/2024

Approved by: _____ Title: _____ Date: _____

**Dai
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LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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 approved 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

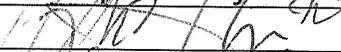
Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 09/18/23

Project End Date: 12/15/23

Completed by: 

Name:	
Title:	Construction Superintendent
Date:	05/02/2024

Approved by:

Name:	EDEN BERHAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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	43

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. 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 tires 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 were deemed to be applicable and 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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:	<i>[Signature]</i>
Title:	Construction Supervisor
Date:	05/02/2024

Approved by:

Name:	EDEN BERHAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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 tarps and removed. 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	<i>[Signature]</i>
Title:	<i>Construction Superintendent</i>
Date:	<i>05/02/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/20/2024</i>

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name San Gabriel River

Reach Number #43

Date	Air	H2O	Noise	Comment	Initial
9/18	Good	Dry	Ambient	Start of Reach #43	MA
9/19	Good	Dry	Ambient	NONE	MA
9/20	DYE			TODAY	—
9/21	GOOD	DRY WORKING AREA	LOW	NONE	O.A
9/22	GOOD	DRY WORKING AREA	LOW	NONE	O.A
9/25	Good	DRY WORKING AREA	Low	NONE	T.A
9/26	Good	Dry	Ambient	NONE	MA
9/27	Good	Dry	Ambient	NONE	MA
9/28	Good	Dry	Ambient	NONE	MA
10-2	Good	Dry	Ambient	NONE	MA
10-3	Good	Dry	Ambient	NONE	MA
10-4	Good	Dry	Ambient	NONE	MA

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name San Gabriel River

Reach Number #43

Date	Air	H2O	Noise	Comment	Initial
10-5	Good	Very	Ambient	None	ML
10-6	Good	Very	Ambient	None	ML
10-10	Good	Very	Ambient	None	ML
10-11	Good	Very	Ambient	None	ML
10-12	Good	Very	Ambient	None	ML
10-13	Good	Very	Ambient	None	ML
10-16	Good	Very	Ambient	None	ML
10-17	Good	Very	Ambient	None	ML
10-18	Good	Very	Ambient	None	ML
10-19	Good	Very	Ambient	None	ML
10-23	Good	Very	Ambient	None	ML
10-26	Good	Very	Ambient	None	ML

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name San Gabriel River

Reach Number #43

Date	Air	H2O	Noise	Comment	Initial
10-27	OFF				
10-30	OFF				
10-31	OFF				
11-1	OFF				
11-2	OFF				
11-3	OFF				
11-6	OFF				
11-7	OFF				
11-8	Good	JKY	Ambient	NOISE	MJ
11-9	Good	JKY	Ambient	NOISE	MJ
11-13	Good	JKY	Ambient	NOISE	MJ
11-14	Good	JKY	Ambient	NOISE	MJ

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name San Gabriel River

Reach Number #43

Date	Air	H2O	Noise	Comment	Initial
11-15	OFF			TOBRY	
11-16	OFF			TODAY	
				I was off from 11-21-2023 to 12-4-2023	
12-4	Good	Day	Ambient	NONE	MD
12-5	Good	Day	Ambient	NONE	MD
12-6	Good	Day	Ambient	NONE	MD
12-7	Good	Day	Ambient	NONE	MD
12-8	Good	Day	Ambient	NONE	MD
12-11	Good	Day	Ambient	NONE	MD
12-12	Good	Day	Ambient	NONE	
12/13	Good	Day	Ambient	NONE	
12/14	Good	Day	Ambient	NONE	

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

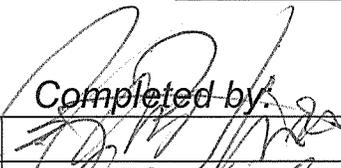
Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 10/03/23

Project End Date: 12/05/23

Completed by:

Name:	
Title:	Conservation Superintendent
Date:	05/02/2024

Approved by:

Name:	EDEN BERMAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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	16

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 Practice was 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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:	<i>[Signature]</i>
Title:	<i>Construction Superintendent</i>
Date:	<i>05/02/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/20/2024</i>

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	<i>[Signature]</i>
Title:	<i>Director of Operations</i>
Date:	<i>05/02/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/20/2024</i>

Los Angeles County Channel Maintenance Project
 Mitigation Monitoring Program
 Reach Name San Gabriel River
 Reach Number #44

Date	Air	H2O	Noise	Comment	Initial
10-3	Good	Dry	Ambient	None	M
10-4	Good	Dry	Ambient	None	M
10-5	Good	Dry	Ambient	None	M
10-6	Good	Dry	Ambient	None	M
10-10	Good	Dry	Ambient	None	M
10-11	Good	Dry	Ambient	None	M
10-12	Good	Dry	Ambient	None	M
10-13	Good	Dry	Ambient	None	M
10-16	Good	Dry	Ambient	NO WEATHER WORK	M
10-17				NO WEATHER WORK	
10-18				NO WEATHER WORK	
10-19	Good	Dry	Ambient	None	M

Los Angeles County Channel Maintenance Project
 Mitigation Monitoring Program
 Reach Name San Gabriel River
 Reach Number #44

Date	Air	H2O	Noise	Comment	Initial
10-23	Ground	Dry	Ambient	None	MA
10-24	OFF			EN CLASS	
10-25	OFF			EN CLASS	
10-26	OFF			Powerdown	
10-27	OFF			Powerdown	
10-30	Ground	Dry	Ambient	None	MA
10-31	Ground	Dry	Ambient	None	MA
11-1	Ground	Dry	Ambient	None	MA
11-2	Ground	Dry	Ambient	None	MA
11-6	Ground	Dry	Ambient	None	MA
11-7	Ground	Dry	Ambient	None	MA
11-8	Ground	Dry	Ambient	None	MA

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name San Gabriel River

Reach Number #44

Date	Air	H2O	Noise	Comment	Initial
11-9	Good	Dry	Ambient	None	ML
11-13	Good	Dry	Ambient	None	ML
11-14	OFF				
11-15	Good	Dry	Ambient	None	ML
11-16	OFF				
				E was off from 11-21-2023 to 12-4-2023	
12-4	Good	Dry	Ambient	None	NA
12-5	Good	Dry	Ambient	None	NA

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

WO# 8404690

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 47 Santa Clara River T.G.: 4552-A3 TO 4551-J3**
(PD 1733 unit 1)

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

The Operator shall not impact the 4.51 acres of vegetation that was allowed to remain in 1997. Impacts shall not exceed 0.76 acre (1656 linear feet by 20 feet wide along each levee). Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION WITHIN 20' LIMIT
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: 11-09-2023

Project end date: 11-09-2023

Completed by: Name: EMILIO NILES ORDOZ Title: PWCL Date: 11-09-2023

Approved by: Name: Juan Caborena Title: FCCS Date: 11/15/23

**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. 47 Santa Clara River T.G.: 4552-A3 TO 4551-J3
(PD 1733 unit 1)**

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

The Operator shall not impact the 4.51 acres of vegetation that was allowed to remain in 1997. Impacts shall not exceed 0.76 acre (1656 linear feet by 20 feet wide along each levee). Clearing shall not extend more than 20 feet beyond the toe of the levee.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: Yes No

Date: _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NUNEZ-ORDONEZ

Title: RWCL Date: 11/09/2023

Approved by: Name: Suan Cabrera

Title: FCCS Date: 11/15/23

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 47 Santa Clara River T.G.: 4552-A3 TO 4551-J3
(PD 1733 unit 1)**

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

The Operator shall not impact the 4.51 acres of vegetation that was allowed to remain in 1997. Impacts shall not exceed 0.76 acre (1656 linear feet by 20 feet wide along each levee). Clearing shall not extend more than 20 feet beyond the toe of the levee.

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 NUNES-ORDONEZ

Title: PLUCK Date: 11-09-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 11/15/23

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

Permit Requirements:

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: 9/4/23

Project end date: 9/4/23

Completed by: Name: Rodolfo Rojas Title: Supervisor Date: 9/4/23

Approved by: Name: Jorge Sandoval Title: Contract Manager Date: 9/4/23

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

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

None

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Rodolfo Paras

Title: Supervisor Date: 9/4/23

Approved by: Name: Jorge Sandoval

Title: Contract Admin Date: 9/4/23

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**

Permit Requirements:

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

Completed by: Name: *Rodolfo Rosas*
Approved by: Name: *Jorge Sandoval*

Title: *Supervisor* Date: *9/4/23*
Title: *Contract Admin* Date: *9/4/23*

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
Between Adon Ave & Scherzinger Ln**

T.G.: 4551- J2

Permit Requirements:

Mechanically clear all vegetation.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

*Handwork of removal of vegetation on ly,
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: 9/4/23

Project end date: 9/4/23

Completed by: Name: Podolfo Posas Title: Supervisor Date: 9/4/23

Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/4/23

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

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

None

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 9/4/23
Approved by: Name: Jorge Sandaval Title: Contract Admin Date: 9/4/23

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
Between Adon Ave & Scherzinger Ln**

T.G.: 4551- J2

Permit Requirements:

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 ordinance.*

- 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

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 9/4/23
Approved by: Name: Jorge Sanclaval Title: Contact Admin Date: 9/4/23

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

8404919

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 51 Mint Cyn M.C.O. (PD 1894)** T.G.: 4551- J3 TO H3
Santa Clara - Main Channel

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

Impacts shall not exceed 0.9 acre (932 linear feet by 20 feet wide along each levee). Clearing shall not extend more than 20 feet beyond the toe of the levee. The vegetation (0.01 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND WORK OF REMOVAL OF ALL
VEGETATION, WATER TRUCK WAS USED TO
MINIMIZE 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: 11/08/2023

Project end date: 11/22/2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 11/22/2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 12/22/23

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. 51 Mint Cyn M.C.O. (PD 1894)** T.G.: 4551- J3 TO H3
Santa Clara - Main Channel

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

Impacts shall not exceed 0.9 acre (932 linear feet by 20 feet wide along each levee). Clearing shall not extend more than 20 feet beyond the toe of the levee. The vegetation (0.01 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco Title: PWCL Date: 11/22/2023
Approved by: Name: Sean Cabrera Title: FCCS Date: 12/22/23

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

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 51 Mint Cyn M.C.O. (PD 1894) T.G.: 4551- J3 TO H3
Santa Clara - Main Channel**

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

Impacts shall not exceed 0.9 acre (932 linear feet by 20 feet wide along each levee). Clearing shall not extend more than 20 feet beyond the toe of the levee. The vegetation (0.01 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

ALL WORK WAS DONE DURING DAYLIGHT HOURS
IN COMPLIANCE WITH LOCAL NOISE ORDINANCES,
ALL EQUIPMENT AND VEHICLES EQUIPPED WITH
PROPER NOISE 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: Anthony Fusco

Title: PWCL Date: 11/22/2023

Approved by: Name: Juan Cabrera

Title: FCS Date: 12/23/23

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program

Reach Name MINT CYN CHANNEL
Reach Number 51

Date	Air	H2O	Noise	Comment	Initial
11/08/2023	✓	✓	✓	NONE	AF
11/09/2023	✓	✓	✓	NONE	AF
11/13/2023	✓	✓	✓	NONE	AF
11/14/2023	✓	✓	✓	NONE	AF
11/15/2023	✓	✓	✓	NONE	AF
11/16/2023	✓	✓	✓	NONE	AF
11/17/2023	✓	✓	✓	NONE	AF
11/20/2023	✓	✓	✓	NONE	AF
11/21/2023	✓	✓	✓	NONE	AF
11/22/2023	✓	✓	✓	NONE	AF

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

8404690

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

Permit Requirements:

Mechanical and hand clearing work will be performed to keep reach clear of all vegetation.

Impacts shall not exceed 0.03 acre.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION,
WATER TRUCK SPRAYED WATER PRIOR TO REMOVAL OF
VEGETATION AND SPRAYED AS NEEDED AND
REMAINED ON SITE 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: 11-08-2023

Project end date: 11-08-2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 11-08-2023

Approved by: Name: Suan Cabrera Title: FCCS Date: 11/29/23

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. 53 Santa Clara River (PD 832)** T.G.: 4551-H4
Main Channel Inlet

Permit Requirements:
Mechanical and hand clearing work will be performed to keep reach clear of all vegetation.
Impacts shall not exceed 0.03 acre.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:
NONE

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco Title: PWCL Date: 11-08-2023
Approved by: Name: Juan Cabrera Title: FCCS Date: 11/29/23

**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**

Permit Requirements:

Mechanical and hand clearing work will be performed to keep reach clear of all vegetation.

Impacts shall not exceed 0.03 acre.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT IN COMPLIANCE
WITH LOCAL NOISE ORDINANCES, ALL EQUIPMENT AND
VEHICLES 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: Anthony Fusco

Title: PWCL Date: 11-08-2023

Approved by: Name: Svan Cabrera

Title: FCGS Date: 11/29/23

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

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 54 Santa Clara River (PD 832) T.G.: 4551-H3 TO H4
Main Channel Outlet**

Permit Requirements:

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: 10-23-23

Project end date: 10-23-23

Completed by: Name: Rodolfo Rasas Title: Supervisor Date: 10-23-23

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) 0

Mitigation Measure #: 2

Exotic Veg. Removed (Sq. Ft.) 0

Location/Channel Reach#: **Reach No. 54 Santa Clara River (PD 832) T.G.: 4551-H3 TO H4
Main Channel Outlet**

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: Yes No

Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS

Title: SUPERVISOR Date: 10-23-23

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. 54 Santa Clara River (PD 832) T.G.: 4551-H3 TO H4
Main Channel Outlet**

Permit Requirements:

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: RODOLFO ROSAS

Title: SUPERVISOR Date: 10-23-13

Approved by: Name: _____

Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

8404690

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 55 Santa Clara River Main Chan. T.G.: 4551-H3 TO H4**
(PD's 910, 832, 1758, & 1562 unit 2)

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

Impacts shall not exceed 2.75 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION
WITHIN 20' LIMIT, WATER TRUCK USED AT ALL
TIMES TO MINIMIZE DUST.

- 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: 11-07-2023

Project end date: 11-08-2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 11-08-2023

Approved by: Name: Swan Cabrera Title: FCCS Date: 11/29/23

**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. 55 Santa Clara River Main Chan. T.G.: 4551-H3 TO H4**
(PD's 910, 832, 1758, & 1562 unit)

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

Impacts shall not exceed 2.75 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

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:

- | | |
|--|--|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input checked="" type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: Yes No

Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco

Title: PWCL Date: 11-08-2022

Approved by: Name: Juan Cabrera

Title: FCCS Date: 11/29/23

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

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 55 Santa Clara River Main Chan. T.G.: 4551-H3 TO H4
(PD's 910, 832, 1758, & 1562 unit**

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

Impacts shall not exceed 2.75 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE
WITH LOCAL NOISE ORDINANCES, ALL EQUIPMENT
AND VEHICLES 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: Anthony Fusco

Title: PWCL Date: 11-08-2023

Approved by: Name: Swan Gabriela

Title: FCCS Date: 11/29/23

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

8404690

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 56 Santa Clara River
(PD 1562 unit 2)**

T.G.: 4551-G1

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

Impacts shall not exceed 0.47 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION WITHIN
20' LIMIT. WATER TRUCK WAS USED AT ALL
TIMES TO MINIMIZE DUST.

- 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 TRUCKS WERE TARPED WHILE TRASPORTING
DEBRIS.

Project start date: 11-02-2023

Project end date: 11-03-2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 11-03-2023

Approved by: Name: Sean Cabrera Title: FCCS Date: 11/29/23

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

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 56 Santa Clara River
(PD 1562 unit 2)**

T.G.: 4551-G1

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

Impacts shall not exceed 0.47 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE
WITH LOCAL NOISE ORDINANCES, EQUIPMENT AND
ALL VEHICLES ARE 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: Anthony Fusco

Title: PWCL Date: 11-03-2021

Approved by: Name: Suan Cabrera

Title: FGCS Date: 11/29/23

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

W.O.# 8404941

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 57 Whites Cyn (PD T 704 M.C.I.) T.G.: 4551-G1**

Permit Requirements:

Mechanical or hand clearing work will be performed to keep reach clear of all vegetation.

The vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

HAND CLEARING OF ALL VEGETATION WITHIN LIMITS, NO WATER TRUCK WAS 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: 11-01-2023

Project end date: 11-03-2023

Completed by: Name: EMILIO NILES ORDOÑEZ Title: PWCL Date: 11-01-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 11/3/23

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. 57 Whites Cyn (PD T 704 M.C.I.)** T.G.: **4551-G1**

Permit Requirements:

Mechanical or hand clearing work will be performed to keep reach clear of all vegetation.

The vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: Yes No

Date: _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NILES ORDONEZ

Title: PWCL Date: 11-01-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 11/3/23

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

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 57 Whites Cyn (PD T 704 M.C.I.)** T.G.: 4551-G1

Permit Requirements:

Mechanical or hand clearing work will be performed to keep reach clear of all vegetation.

The vegetation that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAULIGHT 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 NICHES ORDOÑEZ

Title: PWCL Date: 11-01-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 11/3/23

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

8404690

Impact Issue: Air Quality

Mitigation Measure #: 1

Location/Channel Reach #: Reach No. 58 Santa Clara River (PD374) T.G.: 4551-G3 TO F3
U/S side old Soledad Cyn. Rd Bridge

Permit Requirements: The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.

Impacts shall not exceed 0.95 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND WORK OF CLEARING ALL VEGETATION
WITHIN 20' LIMIT. WATER TRUCK WAS USED AT ALL
TIMES TO MINIMIZED DUST AND REMAINED ON
SITE AT ALL TIMES 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:

ALL TRUCKS WERE TARPED WHILE TRASPORTING
DEBRIS.

Project start date: 11-07-2023

Project end date: 11-07-2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 11-07-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 11/29/23

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

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 11.16

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

Location/Channel Reach#: **Reach No. 58 Santa Clara River (PD374)** T.G.: **4551-G3 TO F3**
U/S side old Soledad Cyn. Rd Bridge

Permit Requirements: *The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.*

Impacts shall not exceed 0.95 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco Title: PWCL Date: 11-07-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 11/29/23

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

Impact Issue: **Noise**

Mitigation Measure #: 3

Location/Channel Reach#: **Reach No. 58 Santa Clara River (PD374)** T.G.: **4551-G3 TO F3**
U/S side old Soledad Cyn. Rd Bridge

Permit Requirements: *The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.*

Impacts shall not exceed 0.95 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE
WITH LOCAL NOISE ORDINANCES. ALL EQUIPMENT AND
VEHICLES 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: Anthony Fusco

Title: PWCL Date: 11-07-2022

Approved by: Name: Swan Cabrera

Title: FCCS Date: 11/29/23

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

8404690

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 60 Santa Clara River** T.G.: 4551- F3 TO E2
(PD's 1339 & 374)

Permit Requirements: *The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.*

Impacts shall not exceed 1.50 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND REMOVAL OF ALL VEGETATION
WITHIN 20' LIMIT. WATER TRUCK SPRAYED WATER
PRIOR TO VEGETATION REMOVAL AND STAYED ON SITE
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: 11-06-2023

Project end date: 11-07-2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 11-07-2023

Approved by: Name: Jan Ciberg Title: FCCS Date: 11/29/23

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

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 7.19

Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) 50

Location/Channel Reach#: **Reach No. 60 Santa Clara River** T.G.: 4551- F3 TO E2
(PD's 1339 & 374)

Permit Requirements: *The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.*

Impacts shall not exceed 1.50 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

50 SF OF TOBACCO PLANT WAS HAND REMOVED FROM SITE

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco

Title: PWCL Date: 11-07-2023

Approved by: Name: Van Cabrera

Title: FCS Date: 11/29/23

**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** **T.G.: 4551- F3 TO E2**
(PD's 1339 & 374)

Permit Requirements *The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.*

Impacts shall not exceed 1.50 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN
COMPLIANCE WITH LOCAL NOISE ORDINANCES.
ALL EQUIPMENT AND VEHICLES 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: Anthony Fusco

Title: PWCL Date: 11-07-2023

Approved by: Name: Suan Cabrera

Title: FCCS Date: 11/29/23

8404690 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

Permit Requirements: *The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.*

Impacts shall not exceed 0.75 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION
WITHIN 20' LIMIT. WATER TRUCK WAS USED AT
ALL TIMES TO MINIMIZE 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:

ALL TRUCKS TARPED DURING TRANSPORTATION OF
VEGETATION.

Project start date: 11-06-2023

Project end date: 11-06-2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 11-06-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 11/29/23

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. 61 Santa Clara River (PD 659) T.G.: 4551-E2**
D/S New Soledad Canyon. Rd. Bridge

Permit Requirements: *The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.*

Impacts shall not exceed 0.75 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco Title: PWCL Date: 11-06-2023
Approved by: Name: Swan Cabrera Title: FCCS Date: 11/29/23

**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**

Permit Requirements: *The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the levee slope lining along the entire reach.*

Impacts shall not exceed 0.75 acre. Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH
LOCAL NOISE ORDINANCES. ALL VEHICLES AND EQUIPMENT
ARE 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: Anthony Fusco

Title: PWCL Date: 11-06-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 11/29/23

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

Permit Requirements:

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: 10-24-23

Project end date: 10-24-23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-24-23

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

Mitigation Measure #: 2

Exotic Veg. Removed (Sq. Ft.) Ø

Location/Channel Reach#: Reach No. 63 Oak Ave Rd Drainage
(CDR 523.081)

T.G.: 4551-C2

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS

Title: SUPERVISOR Date: 10-24-23

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. 63 Oak Ave Rd Drainage
(CDR 523.081)**

T.G.: 4551-C2

Permit Requirements:

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

Completed by: Name: Pedrofo ROSAS

Title: SUPERVISOR Date: 10-24-24

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. 64 Soledad Cyn Rd Drainage T.G.: 4551 - B2**
(CDR523.071 D Outlet)

Permit Requirements:

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: 10-24-2023

Project end date: 10-24-2023

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-23-2023

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) 0

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

Location/Channel Reach#: **Reach No. 64 Soledad Cyn Rd Drainage** T.G.: 4551 - B2
(CDR523.071 D Outlet)

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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: NONE

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

Biologist Comments/Instructions:

Completed by: Name: RODOLFO RESAS Title: SUPERVISOR Date: 10-24-2013

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. 64 Soledad Cyn Rd Drainage T.G.: 4551 - B2
(CDR523.071 D Outlet)**

Permit Requirements:

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: RODOLFO ROSAS

Title: SUPERVISOR Date: 10-24-2023

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. 66 Santa Clara River (PD 1538) T.G.: 4550-H2

Permit Requirements:

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: 10-25-23

Project end date: 10-25-23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-25-23

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) 0

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

Location/Channel Reach#: **Reach No. 66 Santa Clara River (PD 1538)** T.G.: 4550-H2

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-25-23

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. 66 Santa Clara River (PD 1538)** T.G.: **4550-H2**

Permit Requirements:

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 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: 10-25-23

Approved by: Name: _____

Title: _____ Date: _____

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

8404991

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)

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation, except for a 10-foot-wide strip near the centerline of the channel. This process will be repeated annually, except that the 10-foot strip left will alternate from one side of the channel to the other.*

The vegetation (1.33 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION WITHIN 20'
LIMIT, WATER TRUCK SPRAYED WATER PRIOR TO
VEGETATION REMOVAL TO MINIMIZED DUST. WATER
TRUCK 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:

ALL TRUCKS TARPED DURING TRANSPORTATION OF
DEBRIS. 50 SF OF ARWIDO WAS REMOVED FROM
SITE.

Project start date: 09/22/2023

Project end date: 10/03/2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 10/03/2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/10/23

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

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 16
Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) 50
Location/Channel Reach#: **Reach No. 67 Bouquet Canyon Upper** T.G.: 4461-D1 TO D6
(PD's 1201, 802, 700B, & 625B)

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation, except for a 10-foot-wide strip near the centerline of the channel. This process will be repeated annually, except that the 10-foot strip left will alternate from one side of the channel to the other.*

The vegetation (1.33 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco

Title: PWCL Date: 10/06/2023

Approved by: Name: Sean Cabrera

Title: FCCS Date: 10/10/23

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)**

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation, except for a 10-foot-wide strip near the centerline of the channel. This process will be repeated annually, except that the 10-foot strip left will alternate from one side of the channel to the other.*

The vegetation (1.33 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE WITH
LOCAL NOISE ORDINANCES, ALL EQUIPMENT AND
VEHICLES 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: Anthony Fusco

Title: PWCL Date: 10/03/2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 10/10/23

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program

Reach Name BOUQUET CHANNEL UPPER

Reach Number 07

Date	Air	H2O	Noise	Comment	Initial
09/22/2023	✓	✓	✓	50 SF. OF ARUNDO REMOVED	AF
09/25/2023	✓	✓	✓	NONE	AF
09/26/2023	✓	✓	✓	NONE	AF
09/27/2023	✓	✓	✓	NONE	AF
09/28/2023	✓	✓	✓	NONE	AF
09/29/2023	✓	✓	✓	NONE	AF
10/02/2023	✓	✓	✓	NONE	AF
10/03/2023	✓	✓	✓	NONE	AF

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

8404991

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)**

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation, except for a 10-foot-wide strip near centerline of the channel. This process will be repeated annually, except that the 10-foot strip left will alternate from one side of the channel to the other.*

The vegetation (0.62 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND WORK OF CLEARING OF VEGETATION
WITHIN 20' LIMIT. WATER TRUCK USED AT ALL TIMES
TO MINIMIZED DUST AND KEPT ON WORKSITE
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:

Project start date: 09/26/2023

Project end date: 10/06/2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 10/06/2023

Approved by: Name: Juan Cabler Title: FCCS Date: 10/10/23

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

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 5
Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) 100
Location/Channel Reach#: **Reach No. 69 Bouquet Canyon Middle T.G.: 4461-C6 TO A7**
(PD's 722,773,1365,1065, & 451)

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation, except for a 10-foot-wide strip near centerline of the channel. This process will be repeated annually, except that the 10-foot strip left will alternate from one side of the channel to the other.*

The vegetation (0.62 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

WATER RUNNING ON CREEK, ARUNDO WAS REMOVED BY HAND
100 SF

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco Title: PWCL Date: 10/06/2023
Approved by: Name: Juan Cabrera Title: FCCS Date: 10/10/23

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)**

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation, except for a 10-foot-wide strip near centerline of the channel. This process will be repeated annually, except that the 10-foot strip left will alternate from one side of the channel to the other.*

The vegetation (0.62 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE
WITH LOCAL NOISE ORDINANCES, ALL EQUIPMENT
AND VEHICLES ARE 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: Anthony Fusco

Title: PWCL Date: 10/06/2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 10/10/23

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name BOUQUET CANYON MIDDLE

Reach Number 69

Date	Air	H2O	Noise	Comment	Initial
09/26/2023	✓	✓	✓	100 SF. OF ARJUDO REMOVED	AF
09/27/2023	✓	✓	✓	NONE	AF
09/28/2023	✓	✓	✓	NONE	AF
09/29/2023	✓	✓	✓	NONE	AF
10/02/2023	✓	✓	✓	NONE	AF
10/03/2023	✓	✓	✓	NONE	AF
10/04/2023	✓	✓	✓	NONE	AF
10/05/2023	✓	✓	✓	NONE	AF
10/06/2023	✓	✓	✓	NONE	AF

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

8404991

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)**

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation, except for a 10-foot-wide strip near the centerline of the channel. This process will be repeated annually, except that the 10-foot strip left will alternate from one side of the channel to the other.*

The vegetation (0.02 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

HAND WORK AS WELL AS MECHANICAL OF VEGETATION REMOVAL. WATER TRUCK WAS USED AT ALL TIMES TO MINIMIZED DUST AT WORKSITE 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:

ALL TRUCKS TARPED ON AND DURING TRANSPORTATION OF VEGETATION. EXOTIC VEGETATION REMOVED FROM JOBSITE WAS ARUNDO APX 50 SF.

Project start date: 09/28/2023

Project end date: 09/28/2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 09/28/2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/4/23

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.) 50

Location/Channel Reach#: **Reach No. 70 Bouquet Canyon Lower T.G.: 4550- J1 TO H-1**
(PD's 544 & 345)

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation, except for a 10-foot-wide strip near the centerline of the channel. This process will be repeated annually, except that the 10-foot strip left will alternate from one side of the channel to the other.*

The vegetation (0.02 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 RUNNING WATER ON CHANNEL, ARUNDO WAS REMOVED BY HAND 50 SF.

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco Title: PWCL Date: 09/28/2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/4/23

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)**

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation, except for a 10-foot-wide strip near the centerline of the channel. This process will be repeated annually, except that the 10-foot strip left will alternate from one side of the channel to the other.*

The vegetation (0.02 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN
COMPLIANCE WITH LOCAL NOISE ORDINANCES.
ALL EQUIPMENT AND VEHICLES ARE 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: Anthony Fusco

Title: PWCL Date: 09/28/2003

Approved by: Name: Juan Cabrerog

Title: FCCS Date: 10/4/23

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

8404690

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 71 Santa Clara River
Main Channel (PD1946)**

T.G.: 4550-E2

Permit Requirements: *The channel clearing work will involve mechanized removal of all vegetation within 20 feet from the base of the slope lining along the entire reach.*

Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION
WITHIN 20' LIMIT. WATER TRUCKS WERE USED TO
MINIMIZED DUST AND REMAINED ON SITE
AND SPRAYED WATER 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: 11/30/2023

Project end date: 11/30/2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 11/30/2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 12/1/23

**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. 71 Santa Clara River** T.G.: **4550-E2**
Main Channel (PD1946)

Permit Requirements: *The channel clearing work will involve mechanized removal of all vegetation within 20 feet from the base of the slope lining along the entire reach.*

Clearing shall not extend more than 20 feet beyond the toe of the levee.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco Title: PWCL Date: 11/30/2023
Approved by: Name: Suan Cabrera Title: FCCS Date: 12/1/23

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

Permit Requirements: *The channel clearing work will involve mechanized removal of all vegetation within 20 feet from the base of the slope lining along the entire reach.*

Clearing shall not extend more than 20 feet beyond the toe of the levee.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN
COMPLIANCE WITH LOCAL NOISE ORDINANCES, ALL
EQUIPMENT AND VEHICLES 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: Anthony Fusco

Title: PWCL Date: 11/30/2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 12/1/23

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

W.O 8405015

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.)**

Permit Requirements: The channel clearing work will involve hand clearing dead vegetation and cutting invasive and trimming riparian vegetation that would obstruct flows. Tree canopy will be retained, yet a clear "tunnel" path will be provided to convey flows.

Description of Activity/Method of Implementation:

HAND CLEARING OF VEGETATION / WATER TRUCK WAS NOT NEEDED FOR DUST CONTROL AT 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:

TRUCKS TAPPED DURING TRANSPORTATION OF VEGETATION.

Project start date: 10-11-2023

Project end date: 10-11-2023

Completed by: Name: EMILIO NILES-ORDAZ Title: PWU Date: 10-11-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/24/23

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.) 0

Location/Channel Reach#: **Reach No. 72 South Fork - Santa Clara River T.G.: 4640-F2
(Smizer Ranch M.C.I.)**

Permit Requirements: The channel clearing work will involve hand clearing dead vegetation and cutting invasive and trimming riparian vegetation that would obstruct flows. Tree canopy will be retained, yet a clear "tunnel" path will be provided to convey flows.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:
NONE

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NILES-ORDONEZ Title: PWCL Date: 10-11-2023
Approved by: Name: Juan Cabrera Title: FCCS Date: 10/24/23

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.)**

Permit Requirements: The channel clearing work will involve hand clearing dead vegetation and cutting invasive and trimming riparian vegetation that would obstruct flows. Tree canopy will be retained, yet a clear "tunnel" path will be provided to convey flows.

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 NIKES-ORDNER Title: PWCL Date: 10-11-2023
Approved by: Name: Juan Cabrera Title: FCCS Date: 10/24/23

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

8404732

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 73 Wildwood Canyon Channel** T.G.: 4640-H2
(PDT361 Main Channel Inlet)

Permit Requirements: *Mechanical and hand clearing work will be performed to keep reach clear of all vegetation.*

Impacts shall not exceed 0.05 acre.

Description of Activity/Method of Implementation:

HAND CLEARING OF ALL VEGETATION WITHIN LIMITS / NO WATER TRUCK WAS 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: 11-01-2023

Project end date: _____

Completed by: Name: EMILION HES-RODRIGUEZ Title: PWCL Date: 11-01-2023

Approved by: Name: Juan Cabrera Title: FOCS Date: 11/3/23

**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. 73 Wildwood Canyon Channel** T.G.: 4640-H2
(PDT361 Main Channel Inlet)

Permit Requirements: *Mechanical and hand-clearing work will be performed to keep reach clear of all vegetation.*

Impacts shall not exceed 0.05 acre.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: BILIONILHES ORDONEZ Title: PWCC Date: 11-01-2023
Approved by: Name: Juan Cabrera Title: FCCS Date: 11/2/23

**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** **T.G.: 4640-H2**
(PDT361 Main Channel Inlet)

Permit Requirements: *Mechanical and hand clearing work will be performed to keep reach clear of all vegetation.*

Impacts shall not exceed 0.05 acre.

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 NILES ORDONEZ

Title: PWCL Date: 11-01-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 11/2/23

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

840 4885

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 75 South Fork Santa Clara River** T.G.: **4640-F1 TO 450-G3**
(PD's 725, 916, 1041, & 1300)

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation bank to bank from Lyons Avenue to Orchard Village Road.*

Mechanical grading and clearing of invasive vegetation from bank to bank will be performed from Orchard Village Road to the confluence with Newhall Creek.

Mechanical clearing of all vegetation will be done along the base of the concrete levee from the confluence with Newhall Creek to Magic Mountain Parkway. A 20-foot-wide strip will be maintained clear along the entire length of the levee and 45 degree grading of low-flow channels from side outlets to the center of the watercourse will also be maintained clear of all vegetation to minimize pounding and blockage of side outlet flows. A centerline watercourse low flow 12-foot wide will be maintained clear of all vegetation and will be graded along the entire length in this reach. Two island areas supporting mature trees will be left in place as well as the riparian vegetation. Tree pruning of dead branches and limbs that could obstruct flow will be removed by hand labor.

The vegetation (15.37 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

MECHANICAL & 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:

ALL TRUCKS TARPED DURING TRANSPORTATION OF DEBRIS

Project start date: 10/03/2023

Project end date: 10-20-2023

Completed by: Name: EMILIO NIGRES ORDONEZ Title: PWCL Date: 10-03-2023

Approved by: Name: Juan Cabrera Title: F.C.C.S Date: 10/24/23

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.) 50

Location/Channel Reach#: **Reach No. 75 South Fork
Santa Clara River
(PD's 725, 916, 1041, & 1300)**

T.G.: 4640-F1 TO 450-G3

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation bank to bank from Lyons Avenue to Orchard Village Road.*

Mechanical grading and clearing of invasive vegetation from bank to bank will be performed from Orchard Village Road to the confluence with Newhall Creek.

Mechanical clearing of all vegetation will be done along the base of the concrete levee from the confluence with Newhall Creek to Magic Mountain Parkway. A 20-foot-wide strip will be maintained clear along the entire length of the levee and 45 degree grading of low-flow channels from side outlets to the center of the watercourse will also be maintained clear of all vegetation to minimize pounding and blockage of side outlet flows. A centerline watercourse low flow 12-foot wide will be maintained clear of all vegetation and will be graded along the entire length in this reach. Two island areas supporting mature trees will be left in place as well as the riparian vegetation. Tree pruning of dead branches and limbs that could obstruct flow will be removed by hand labor.

The vegetation (15.37 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

50 SF OF CASOR BEAN PLANTS REMOVED

Biologist on site: No Yes

Date: 10-03-2023

Biologist Comments/Instructions:

BIOLOGIST OK'D THE VEGETATION REMOVAL
NO PROTECTED WILDLIFE WAS FOUND.

Completed by: Name: EMILIO NIEVES ORDONEZ

Title: PWCL

Date: 10-03-2023

Approved by: Name: Juan Cabrera

Title: FCCS

Date: 10/24/23

**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**

Permit Requirements: *The channel clearing work will involve mechanical clearing and grading of all vegetation bank to bank from Lyons Avenue to Orchard Village Road.*

Mechanical grading and clearing of invasive vegetation from bank to bank will be performed from Orchard Village Road to the confluence with Newhall Creek.

Mechanical clearing of all vegetation will be done along the base of the concrete levee from the confluence with Newhall Creek to Magic Mountain Parkway. A 20-foot-wide strip will be maintained clear along the entire length of the levee and 45 degree grading of low-flow channels from side outlets to the center of the watercourse will also be maintained clear of all vegetation to minimize pounding and blockage of side outlet flows. A centerline watercourse low flow 12-foot wide will be maintained clear of all vegetation and will be graded along the entire length in this reach. Two island areas supporting mature trees will be left in place as well as the riparian vegetation. Tree pruning of dead branches and limbs that could obstruct flow will be removed by hand labor.

The vegetation (15.37 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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 N. HERRERA-ORDONEZ

Title: PWCL Date: 10-03-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 10/24/23

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program

Reach Name SANTA CLARA RIVER SOUTH FORK

Reach Number 75

Date	Air	H2O	Noise	Comment	Initial
10/03/2023	✓	✓	✓		AF
10/04/2023	✓	✓	✓		AF
10/05/2023	✓	✓	✓		AF

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

W.O # 8404984

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 76 Pico Canyon (PD 813)** T.G.: 4550-F7 TO G7

Permit Requirements: The channel clearing work will involve bank-to-bank removal of all vegetation using mechanical equipment.

Description of Activity/Method of Implementation:

MECHANICAL CLEARING OF ALL VEGETATION, 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: 10-17-2023

Project end date: 10-20-2023

Completed by: Name: EMILIO NUNEZ-ORDONEZ Title: PWCC Date: 10-17-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/24/23

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. 76 Pico Canyon (PD 813)** T.G.: **4550-F7 TO G7**

Permit Requirements: The channel clearing work will involve bank-to-bank removal of all vegetation using mechanical equipment.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes

Date: 10-16-2023

Biologist Comments/Instructions:

NONE

Completed by: Name: EMILIO NUNEZ-ORDOZ

Title: PWCL Date: 10-17-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 10/24/23

**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**

Permit Requirements: The channel clearing work will involve bank-to-bank removal of all vegetation using mechanical equipment.

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 NUNEZ-CRANZ Title: PWCC Date: 10-17-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/24/23

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program

Reach Name PCO CYN CHANNEL
Reach Number File

Date	Air	H2O	Noise	Comment	Initial
10-17-2023	✓	✓	✓	NONE	END
10-18-2023	✓	✓	✓	NONE	END
10-19-2023	✓	✓	✓	NONE	END
10-20-2023	✓	✓	✓	NONE	END

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

8404953

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 77 Newhall Creek Outlet** T.G.: 4550-H6

Permit Requirements:

Mechanical equipment will be used to maintain the reach clear of all vegetation.

The vegetation (0.89 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF VEGETATION / WATER TRUCK SPRAYED
WATER PRIOR OF REMOVAL OF VEGETATION 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: 10-17-2023

Project end date: 10-18-2023

Completed by: Name: EDUARDO NUNEZ CRONZ Title: PWCL Date: 10-17-2023

Approved by: Name: Juan Cabrera Title: FICS Date: 10/19/23

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.) 50 SF

Location/Channel Reach#: **Reach No. 77 Newhall Creek Outlet** T.G.: **4550-H6**

Permit Requirements:

Mechanical equipment will be used to maintain the reach clear of all vegetation.

The vegetation (0.89 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

50 SF OF CASTOR BEAN WAS REMOVED

Biologist on site: No Yes Date: 10-18-2023

Biologist Comments/Instructions:

Completed by: Name: EMILIO NILES ORTIZ

Title: PWCL Date: 10-18-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 10/19/23

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

Permit Requirements:

Mechanical equipment will be used to maintain the reach clear of all vegetation.

The vegetation (0.89 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

ALL 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 NUNEZ-ORDONEZ

Title: PWCL Date: 10-17-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 10/19/23

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

W.O # 8A04970

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No.78 Placerita Creek** T.G.: 4550 H6

Permit Requirements:

Mechanical equipment will be used to maintain the reach clear of all vegetation.

The vegetation (0.01 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF VEGETATION / WATER TRUCK SPRINKLED WATER
PRIOR REMOVAL OF VEGETATION 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: 10-17-2023

Project end date: _____

Completed by: Name: EMILIO NILES-OROONE Title: RWCA Date: 10-17-2023

Approved by: Name: Suan Cabrera Title: FCCS Date: 10/19/23

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.78 Placerita Creek** T.G.: **4550 H6**

Permit Requirements:

Mechanical equipment will be used to maintain the reach clear of all vegetation.

The vegetation (0.01 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|--|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input checked="" type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NUNEZ ORTIZ/PWU Title: PWU Date: 10-17-2023
Approved by: Name: Juan Cabrera Title: FCCS Date: 10/19/23

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

Permit Requirements:

Mechanical equipment will be used to maintain the reach clear of all vegetation.

The vegetation (0.01 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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 NICHES CRONIZ Title: PWCA Date: 10-17-2023
Approved by: Name: Suan Cabera Title: FCCS Date: 10/19/23

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)

Permit Requirements:

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: 10-23-23

Project end date: 10-23-23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-23-23

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) 0

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

Location/Channel Reach#: **Reach No. 79 South Fork- Santa Clara River** T.G.: 4550-G3
(Valencia Blvd Bridge Stabilizer)

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-23-23

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

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

8405015

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)

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the toe of the concrete levee along the entire length.

Clearing shall not extend more than 20 feet beyond the toe of the levee. The vegetation (2.05 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF VEGETATION WITHIN
20' LIMIT. WATER TRUCK SPRAYED WATER AT ALL
TIMES TO MINIMIZED 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:

NONE

Project start date: 11/30/2023

Project end date: 11/30/2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 11/30/2023

Approved by: Name: Swan Cabrera Title: FCCS Date: 12/1/23

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. 80 South Fork- Santa Clara River** T.G.: 4550-F2
(PD's 1947 & 1946)

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the toe of the concrete levee along the entire length.

Clearing shall not extend more than 20 feet beyond the toe of the levee. The vegetation (2.05 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco

Title: PWCL Date: 11/30/2023

Approved by: Name: Suan Cabrera

Title: FCCS Date: 12/1/23

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)

Permit Requirements:

The channel clearing work will involve mechanical removal of all vegetation within 20 feet from the toe of the concrete levee along the entire length.

Clearing shall not extend more than 20 feet beyond the toe of the levee. The vegetation (2.05 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

WORK DONE DURING DAYLIGHT HOURS IN COMPLIANCE
WITH LOCAL NOISE ORDINANCES, ALL EQUIPMENT
AND VEHICLES 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: Anthony Fusco

Title: PWCL Date: 11/30/2023

Approved by: Name: Swan Cabrera

Title: FCS Date: 12/1/23

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

Permit Requirements:

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:

HANDWORK 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: 10-25-23

Project end date: 10-25-23

Completed by: Name RODOLFO ROSAS Title: SUPERVISOR Date: 10-25-23

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) 0

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

Location/Channel Reach#: **Reach No. 82 Santa Clara River** T.G.: 4550 - D1
Main Channel (PD 2278)

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-25-23

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. 82 Santa Clara River
Main Channel (PD 2278)**

T.G.: 4550 - D1

Permit Requirements:

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 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: 10-25-23

Approved by: Name: _____

Title: _____ Date: _____

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

8404959

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

Permit Requirements:

Mechanical equipment will be used to maintain the reach clear of all vegetation.

The vegetation (0.41 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION,
WATER TRUCK SPRAYED WATER PRIOR TO REMOVAL OF
VEGETATION TO MINIMIZE 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:

ALL TRUCKS WERE TARPED DURING TRASPORTATION
OF VEGETATION FROM SITE.

Project start date: 10/23/2023

Project end date: 10/24/2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 10/24/2023

Approved by: Name: Suan Cabrera Title: FCCS Date: 10/25/23

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

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 8.5

Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) 20

Location/Channel Reach#: **Reach No. 86 Violin Canyon M.C.O.** T.G.: 4369 - J7

Permit Requirements:

Mechanical equipment will be used to maintain the reach clear of all vegetation.

The vegetation (0.41 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

20 SF OF TAMARISK REMOVED

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco

Title: PWCL Date: 10/24/2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 10/25/24

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**

Permit Requirements:

Mechanical equipment will be used to maintain the reach clear of all vegetation.

The vegetation (0.41 acre) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN
COMPLIANCE WITH LOCAL NOISE ORDINANCES, ALL EQUIPMENT
AND VEHICLES 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: Anthony Fusco Title: PWCL Date: 10/24/2023
Approved by: Name: Juan Cabrera Title: FCCS Date: 10/25/23

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**

Permit Requirements:

The channel clearing work will involve hand clearing a 20-foot path from the riprap outlet to the main watercourse, Castaic Creek. The tree canopy will remain, but with a clear "tunnel" oath 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: 10-23-23

Project end date: 10-23-23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-23-23

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) 0

Mitigation Measure #: 2

Exotic Veg. Removed (Sq. Ft.) 0

Location/Channel Reach#: Reach No. 87 Castaic-The Old Road Drainage T.G.: 4459-H5
(CDR 525.021D) Outlet

Permit Requirements:

The channel clearing work will involve hand clearing a 20-foot path from the riprap outlet to the main watercourse, Castaic Creek. The tree canopy will remain, but with a clear "tunnel" oath 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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site:

No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS

Title: SUPERVISOR Date: 10-23-23

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. 87 Castaic-The Old Road Drainage T.G.: 4459-H5
(CDR 525.021D) Outlet**

Permit Requirements:

The channel clearing work will involve hand clearing a 20-foot path from the riprap outlet to the main watercourse, Castaic Creek. The tree canopy will remain, but with a clear "tunnel" oath 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: RODOLFO ROSAS

Title: SUPERVISOR Date: 10-23-23

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. 88 Hasley Canyon Upper
(PD T1496)**

T.G.: 4459 - C3

Permit Requirements:

North of Sharp Road: Mechanically clear all vegetation within 15 feet of the toe of the levee. Mechanically clear all vegetation within 50 feet upstream and downstream of the bridge. Allow native shrubs to establish and existing mature 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:

*Handwork 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: 9/4/23 Project end date: 9/4/23

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 9/4/23
Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/4/23

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 T.G.: 4459 - C3
(PD T1496)

Permit Requirements:

North of Sharp Road: Mechanically clear all vegetation within 15 feet of the toe of the levee. Mechanically clear all vegetation within 50 feet upstream and downstream of the bridge. Allow native shrubs to establish and existing mature 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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

None

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: Rodolfo Rosas Title: Supervisor Date: 9/4/23
Approved by: Name: Jorge Sandoval Title: Contract Admin Date: 9/4/23

**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

Permit Requirements:

North of Sharp Road: Mechanically clear all vegetation within 15 feet of the toe of the levee. Mechanically clear all vegetation within 50 feet upstream and downstream of the bridge. Allow native shrubs to establish and existing mature 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 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

Completed by: Name: *Dodolfo Rosas*

Title: *Supervisor* Date: *9/4/23*

Approved by: Name: *Jorge Sandoval*

Title: *Contract Admin* Date: *9/4/23*

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. 89 Hasley Canyon South Fork** T.G.: 4459-C3
(PD T1496)

Permit Requirements:
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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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: NONE

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

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-26-23

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. 89 Hasley Canyon South Fork T.G.: 4459-C3
(PD T1496)**

Permit Requirements:

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 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: 10-26-23

Project end date: 10-26-23

Completed by: Name: Rodolfo Rojas Title: SUPERVISOR Date: 10-26-23

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. 89 Hasley Canyon South Fork T.G.: 4459-C3
(PD T1496)**

Permit Requirements:

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 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: 10-26-23

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. 90 Hasley Canyon Lower
(North Fork RD T1496)**

T.G.: 4459-C3

Permit Requirements:

Mechanically clear all vegetation.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

HANDWORK 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: 10-26-23

Project end date: 10-26-23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-26-23

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) 0

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

Location/Channel Reach#: **Reach No. 90 Hasley Canyon Lower** T.G.: 4459-C3
(North Fork RD T1496)

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-26-23

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. 90 Hasley Canyon Lower
(North Fork RD T1496)**

T.G.: 4459-C3

Permit Requirements:

Mechanically clear all vegetation.

Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Description of Activity/Method of Implementation:

WORK 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: 10-26-23

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. 91 San Martinez Chiquito
U/S of Keningston Rd**

T.G.: 4459-A6 TO B6

Permit Requirements:

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: 10-31-23

Project end date: 10-31-23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-31-23

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

Mitigation Measure #: 2

Exotic Veg. Removed (Sq. Ft.) 0

Location/Channel Reach#: Reach No. 91 San Martinez Chiquito T.G.: 4459-A6 TO B6
U/S of Keningston Rd

Permit Requirements:

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:

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:

NONE

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS

Title: SUPERVISOR Date: 10-31-23

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. 91 San Martinez Chiquito T.G.: 4459-A6 TO B6
U/S of Kenningston Rd**

Permit Requirements:

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 COMPLIANCES

- 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: 10-31-23

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. 92 San Martinez Chiquito T.G.: 4459-A6 TO B6**
Unnamed tributary U/S of Keningston Rd

Permit Requirements:

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: 11-1-23

Project end date: 11-1-23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 11-1-23

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

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

Location/Channel Reach#: Reach No. 92 San Martinez Chiquito T.G.: 4459-A6 TO B6
Unnamed tributary U/S of Keningston Rd

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 11-1-23

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. 92 San Martinez Chiquito T.G.: 4459-A6 TO B6
Unnamed tributary U/S of Keningston Rd**

Permit Requirements:

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 COMPLIANCES.

- 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: 11-1-23

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. 93 San Martinez Chiquito
Kenington Rd to Val Verde Park**

T.G.: 4459 - B6

Permit Requirements:

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: 10-30-23

Project end date: 10-30-23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-30-23

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) 0

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

Location/Channel Reach#: Reach No. 93 San Martinez Chiquito T.G.: 4459 - B6
Kenington Rd to Val Verde Park

Permit Requirements:

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:

- 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: NONE

Biologist on site: No Yes Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-30-23

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. 93 San Martinez Chiquito
Keningston Rd to Val Verde Park**

T.G.: 4459 - B6

Permit Requirements:

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 COMPLIANCES

- 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: 10-30-23

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. 94 San Martinez Chiquito T.G.: 4459 - C6 TO D7
Val Verde Park to D/S of Madison St**

Permit Requirements:

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: 10-26-23

Project end date: 10-27-23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-27-23

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

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

Location/Channel Reach#: Reach No. 94 San Martinez Chiquito T.G.: 4459 - C6 TO D7
Val Verde Park to D/S of Madison St

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: RODOLFO ROSAS

Title: SUPERVISOR Date: 10-27-23

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. 94 San Martinez Chiquito T.G.: 4459 - C6 TO D7
Val Verde Park to D/S of Madison St**

Permit Requirements:

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 BEING 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: 10-27-23

Approved by: Name: _____

Title: _____ Date: _____

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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

Permit Requirements:

The channel clearing work will involve removal of all vegetation within the pipe and wire channel using mechanical equipment, but the embankment vegetation will be left in place.

Description of Activity/Method of Implementation:

MECHANICAL AND HAND WORK OF ALL VEGETATION
BETWEEN PIPE AND WIRE. WATER TRUCK USED
TO MINIMIZE 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 , NO RUNNING WATER

Project start date: 12/11/2023

Project end date: 12/15/2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 12/15/2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 12/29/23

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. 95 Project No. 1224** T.G.: **4087 - H5**

Permit Requirements:

The channel clearing work will involve removal of all vegetation within the pipe and wire channel using mechanical equipment, but the embankment vegetation will be left in place.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco

Title: PWCL Date: 12/15/2023

Approved by: Name: Swan Cabrera

Title: FCCS Date: 12/20/23

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

Permit Requirements:

The channel clearing work will involve removal of all vegetation within the pipe and wire channel using mechanical equipment, but the embankment vegetation will be left in place.

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN
COMPLIANCE WITH LOCAL NOISE ORDINANCES, ALL
EQUIPMENT AND VEHICLES 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, NO RUNNING WATER

Completed by: Name: Anthony Fusco

Title: PWCL Date: 12/15/2023

Approved by: Name: Suan Cabrera

Title: FCCS Date: 12/20/23

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program

Reach Name PROJECT 1224
Reach Number 95

Date	Air	H2O	Noise	Comment	Initial
12/11/2023	✓	✓	✓	NONE	AF
12/12/2023	✓	✓	✓	NONE	AF
12/13/2023	✓	✓	✓	NONE	AF
12/14/2023	✓	✓	✓	NONE	AF
12/15/2023	✓	✓	✓	NONE	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. 96 PD 1591 Calabasas**

T.G.: 599-G5

Permit Requirements:

The channel clearing will involve removing all vegetation from the inlet and outlet approaches to the box culvert under Vicasa Drive. Clearing work will be done by hand labor and only within the dedicated right of way.

Description of Activity/Method of Implementation:

Power equipment (Need eaters, Hedge trimmers, and Pole saws) have approved exhaust and were used to remove all vegetation. 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: _____

Project end date: _____

Completed by: Name: Francisco Manriquez Title: PWCL Date: 10/12/23
Anthony Mirano

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) 3.49

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

Location/Channel Reach#: **Reach No. 96 PD 1591 Calabasas** T.G.: 599-G5

Permit Requirements:

The channel clearing will involve removing all vegetation from the inlet and outlet approaches to the box culvert under Vicasa Drive. Clearing work will be done by hand labor and only within the dedicated right of way.

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:

- | | |
|---|---|
| <input type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 bale was placed at the end of the reach before the job was started

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: Francisco Manriquez
Anthony Mirano

Title: PWCL Date: 10/12/23

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

Permit Requirements:

The channel clearing will involve removing all vegetation from the inlet and outlet approaches to the box culvert under Vicasa Drive. Clearing work will be done by hand labor and only within the dedicated right of way.

Description of Activity/Method of Implementation:

Weed eaters, Hedge trimmers, and Pole saws 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 at 8:00am so that the neighbors wouldn't be disturbed

Completed by: Name: Francisco Manríquez
Anthony Mirano

Title: PWCL Date: 10/12/23

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name Dry Canyon (Calabasas) PD 15A1
 Reach Number #96

Date	Air	H2O	Noise	Comment	Initial
9/29	✓	✓	✓	straw bale was placed at the end of the reach before work started	FM
10/3	✓	✓	✓		FM
10/4	✓	✓	✓		FM
10/6	✓	✓	✓		FM
10/11	✓	✓	✓		FM
10/12	✓	✓	✓	Job complete	FM

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

8404682

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 97 PD 1982**

T.G.: 4459- H5 TO H6

Permit Requirements: *The channel clearing work will involve hand cutting and mechanized removal of all vegetation and trees along the entire length of the levee at a width of 20 feet and clearing and grading 45-degree, 12-foot-wide low flows from the side outlets to the center of the main watercourse.*

The Operator shall leave a total of 1.17 acre of vegetation. The vegetation (1.17 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

Description of Activity/Method of Implementation:

MECHANICAL CLEARING OF VEGETATION WITHIN 20' LIMIT.
WATERTRUCK WAS 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: 10-20-2023

Project end date: 10-20-2023

Completed by: Name: EMILIO NUNEZ ORTIZ Title: PWCL Date: 10-20-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/24/23

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. 97 PD 1982**

T.G.: 4459- H5 TO H6

Permit Requirements: *The channel clearing work will involve hand cutting and mechanized removal of all vegetation and trees along the entire length of the levee at a width of 20 feet and clearing and grading 45-degree, 12-foot-wide low flows from the side outlets to the center of the main watercourse.*

The Operator shall leave a total of 1.17 acre of vegetation. The vegetation (1.17 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NUNEZ-ORDINEZ

Title: PWCC Date: 10-20-23

Approved by: Name: Juan Cabrera

Title: FCCS Date: 10/24/23

**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

Permit Requirements: *The channel clearing work will involve hand cutting and mechanized removal of all vegetation and trees along the entire length of the levee at a width of 20 feet and clearing and grading 45-degree, 12-foot-wide low flows from the side outlets to the center of the main watercourse.*

The Operator shall leave a total of 1.17 acre of vegetation. The vegetation (1.17 acres) that was allowed to remain in 1997 shall not be impacted during future maintenance activities.

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:

NOTE

Completed by: Name: EDUARDO NUNEZ-ORDONEZ

Title: PWCL Date: 10-20-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 10/24/23

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: 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: 10/13/2023

Project end date: 10/13/2023

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

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 15

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: 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: 10/13/23

Approved by: _____ Title: _____ Date: _____

Dai Bui

Digitally signed by: Dai Bui
DN: CN = Dai Bui email =
dbui@pw.lacounty.gov C = US
O = LA County Public Works
OU = SWMD
Date: 2024.05.29 10:18:57 -
08'00'

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 WIPER, LOPPERS, HERBERS 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: SEPT. 18 2023

Project end date: _____

Completed by: Name: G. Delgadillo Title: FCCS Date: SEPT 14. 23

Approved by: Name: [Signature] Title: CS Date: 9/14/23

[Signature]

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. 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:

- | | |
|---|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input checked="" type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input checked="" type="checkbox"/> 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 bale/BMP's installed in various locations.

Biologist on site: No Yes Date: N/A

Biologist Comments/Instructions: N/A

Completed by: Name: G. Delgadillo Title: FCCS Date: 9/14/23

Approved by: Name: Benny Hernandez Title: CS Date: 9/14/23

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 8AM.

- 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: G. Delgadillo

Title: FCCS Date: 9/14/23

Approved by: Name: Renny Blazquez

Title: CS Date: 9/14/23

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

Permit Requirements:

The channel clearing work will involve hand clearing all vegetation at the channel inlet. Bank vegetation will be left in place.

Description of Activity/Method of Implementation:

ALL WORK WAS PERFORMED USING HAND/POWER TOOLS SUCH AS WEED EATERS, HEDGE TRIMMERS AND POLE SAWS. ALL POWER TOOLS ARE EQUIPPED WITH APPROVED EXHAUST.

- 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: 10/13/23

Project end date: 10/16/23

Completed by: Name: ^{FRANCISCO MARIQUEZ} ANTHONY MIRANO Title: PWCL Date: 10/16/23

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) 1.34 TONS

Mitigation Measure #: 2

Exotic Veg. Removed (Sq. Ft.) 0

Location/Channel Reach #: **Reach No.100 Dry Canyon Calabasas**

T.G.: **559-G4**

Permit Requirements:

The channel clearing work will involve hand clearing all vegetation at the channel inlet. Bank vegetation will be left in place.

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:

- | | |
|---|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input checked="" type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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 WADDLE BMP WAS PLACED AT THE END OF REACH.

Biologist on site: Yes No

Date: _____

Biologist Comments/Instructions:

Completed by: Name: FRANCISCO MANRIQUEZ
ANTHONY MIRANO

Title: PMCL

Date: 10/16/23

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**

Permit Requirements:

The channel clearing work will involve hand clearing all vegetation at the channel inlet. Bank vegetation will be left in place.

Description of Activity/Method of Implementation:

ALL POWER TOOLS ARE FITTED WITH APPROVED MUFFLERS.
WORK WAS STARTED AFTER 8AM SO RESIDENTS 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: FRANCISCO MARRIQUEZ
ANTHONY MIRANO

Title: PWCL Date: 10/16/23

Approved by: Name: _____

Title: _____ Date: _____

Los Angeles County Channel Maintenance Project
 Mitigation Monitoring Program

Reach Name DRY CANYON (CALABASAS) INLET

Reach Number 100

Date	Air	H2O	Noise	Comment	Initial
10/13/23	X	X	X	START DATE. STRAW WADDE PLACED AT END OF REACH	AM
10/16/23	X	X	X	JOB COMPLETED, STRAW WADDE REMOVED.	AM

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

8462222

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 101 Violin Canyon**
(PD's 1707 & 2312)

T.G.: 4369-G6

Permit Requirements:

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION,
WATER TRUCK SPRAYED WATER PRIOR TO REMOVAL OF VEGETATION
TO MINIMIZE 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:

ALL TRUCKS TARPED DURING TRANSPORTATION
OF VEGETATION FROM SITE.

Project start date: 10/30/2023

Project end date: 11/03/2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 11/03/2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 11/6/23

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 75.23
Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) 3000
Location/Channel Reach #: **Reach No. 101 Violin Canyon** T.G.: 4369- G6
(PD's 1707 & 2312)

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

3000 SF OF TAMARISK REMOVED

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco Title: PWCL Date: 11/03/2023
Approved by: Name: Juan Cabrera Title: FCCS Date: 11/6/23

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

Permit Requirements:

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE
WITH LOCAL NOISE ORDINANCES. ALL EQUIPMENT AND
VEHICLES 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: Anthony Fusco

Title: PWCL Date: 11/03/2023

Approved by: Name: Suan Cabrera

Title: FCCS Date: 11/6/23

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program

Reach Name VIOLIN CANYON CHANNEL
Reach Number 101

Date	Air	H2O	Noise	Comment	Initial
10/30/2023	✓	✓	✓	NONE	AF
10/31/2023	✓	✓	✓	NONE	AF
11/01/2023	✓	✓	✓	NONE	AF
11/02/2023	✓	✓	✓	NONE	AF
11/03/2023	✓	✓	✓	3000 SF TAMARISK REMOVED	AF

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

8461269

Compliance Verification Form

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 102 Violin Canyon
(PD 2275)**

Permit Requirements:

Description of Activity/Method of Implementation:

MECHANICAL AND HAND CLEARING OF ALL VEGETATION, WATER
TRUCK SPRAYED WATER PRIOR TO REMOVAL OF VEGETATION 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:

ALL TRUCKS TARPED DURING TRANSPORTATION OF
VEGETATION FROM SITE.

Project start date: 10/25/2023

Project end date: 10/27/2023

Completed by: Name: Anthony Fusco Title: PWCL Date: 10/27/2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 10/31/23

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 6.35
Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) 50
Location/Channel Reach #: **Reach No. 102 Violin Canyon**
(PD 2275)

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

50 SF OF TAMARISK REMOVED

Biologist on site: Yes No Date: _____

Biologist Comments/Instructions:

Completed by: Name: Anthony Fusco Title: PWCL Date: 10/27/2022
Approved by: Name: Juan Cabrera Title: FCCS Date: 10/31/23

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)**

Permit Requirements:

Description of Activity/Method of Implementation:

WORK WAS DONE DURING DAYLIGHT HOURS IN COMPLIANCE
WITH LOCAL NOISE ORDINANCES, ALL EQUIPMENT AND
VEHICLES 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: Anthony Fusco

Title: PWCL Date: 10/27/2023

Approved by: Name: Ivan Cabrera

Title: FCCS Date: 10/31/23

Los Angeles County Channel Maintenance Project
Mitigation Monitoring Program

Reach Name VIOLIN CANYON CHANNEL

Reach Number 102

Date	Air	H2O	Noise	Comment	Initial
10/25/23	✓	✓	✓	NONE	AF
10/26/23	✓	✓	✓	NONE	AF
10/27/23	✓	✓	✓	50 SF TAMARISK REMOVED	AF

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

W.O.# 8461329

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach#: **Reach No. 103 (PD 2225)** **T.G. 4450-H1, H2, G2**
Bouquet Canyon Channel

Permit Requirements:

The channel clearing work will involve mechanically clearing vegetation on a 15-foot-wide path along the toe of both levee slopes. Clearing all vegetation over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). Clearing trash, debris, and non-native vegetation by hand within easement boundaries.

Initial effort: Remove 3,000 CY of sediment over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). 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 CY of sediment.

Subsequent years: Remove accumulated sediment from grouted riprap and grade the entrainment channel from the outlet. This could total roughly CY per year.

Description of Activity/Method of Implementation:

MECHANICAL OF VEGETATION REMOVAL, WATER TRUCK SPRAYED WATER
PRIOR TO VEGETATION REMOVAL AND SPRAYED AS NEEDED TO
MINIMIZE DUST FROM JOB SITE.

- 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: 10-23-2023 Project end date: 10-31-2023

Completed by: Name: EMILIO NUNEZ Title: PWCL Date: 10-23-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 11/1/23

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

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 827.81
Mitigation Measure #: 2 Exotic Veg. Removed (Sq. Ft.) 5,450^{sf}
Location/Channel Reach#: **Reach No. 103 (PD 2225)** T.G. 4450-H1, H2, G2
Bouquet Canyon Channel

Permit Requirements:

The channel clearing work will involve mechanically clearing vegetation on a 15-foot-wide path along the toe of both levee slopes. Clearing all vegetation over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). Clearing trash, debris, and non-native vegetation by hand within easement boundaries.

Initial effort: Remove 3,000 CY of sediment over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). 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 CY of sediment.

Subsequent years: Remove accumulated sediment from grouted riprap and grade the entrainment channel from the outlet. This could total roughly CY per year.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site:

No Yes

Date: 10-23-2023

Biologist Comments/Instructions:

NONE

Completed by: Name: EMILIO NUNEZ-CORONEL

Title: PWCL Date: 10-23-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 11/1/23

**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**

Permit Requirements:

The channel clearing work will involve mechanically clearing vegetation on a 15-foot-wide path along the toe of both levee slopes. Clearing all vegetation over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). Clearing trash, debris, and non-native vegetation by hand within easement boundaries.

Initial effort: Remove 3,000 CY of sediment over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream). 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 CY of sediment.

Subsequent years: Remove accumulated sediment from grouted riprap and grade the entrainment channel from the outlet. This could total roughly CY per year.

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:

ALL EQUIPMENT AND VEHICLES ARE EQUIPPED WITH PROPER EXHAUST DEVICES

Completed by: Name: EMILIO NUNEZ ORONZ Title: PWU Date: 10-23-2023
Approved by: Name: Suan Cabrera Title: FCCS Date: 11/1/23

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM**

Reach Name SANTA ANA RIVER
 Reach Number 103

Date	Air	H2O	Noise	Comment	Initial
10-23-2023	✓	✓	✓	100 SF OF APRUND REMOVED	END
10-24-2023	✓	✓	✓	150 SF OF APRUND REMOVED	END
10-25-2023	✓	✓	✓	1000' SF OF APRUND REMOVED	END
10-26-2023	✓	✓	✓	1000' SF OF APRUND REMOVED	END
10-27-2023	✓	✓	✓	1,500 SF OF APRUND REMOVED	END
10-28-2023	✓	✓	✓	1,000 SF OF APRUND REMOVED	END
10-30-2023	✓	✓	✓	300 SF OF APRUND REMOVED	END
10-31-2023	✓	✓	✓	400 SF OF THWAPISK REMOVED	END

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

W-O# 8461290

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 104 Castaic Creek** T.G.: 4459-H5
(PD 2441)

Permit Requirements:

The channel clearing work will involve hand cutting and clearing a 20-foot path from the riprap outlet to the main watercourse, Castaic Creek.

Description of Activity/Method of Implementation:

HAND CLEARING OF ALL VEGETATION WITHIN 20' LIMIT, NO WATER TRUCK WAS 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: 11-13-2023

Project end date: _____

Completed by: Name: EMILIO NIKES GONZALEZ Title: PWCL Date: 11-13-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 12/1/23

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

Impact Issue: **Hydrology and Water Quality**

Trash/Debris Removed (Tons) 743.11 TONS

Mitigation Measure #: 2

Exotic Veg. Removed (Sq. Ft.) 1,800 SF

Location/Channel Reach#: **Reach No. 104 Castaic Creek
(PD 2441)**

T.G.: 4459-H5

Permit Requirements:

The channel clearing work will involve hand cutting and clearing a 20-foot path from the riprap outlet to the main watercourse, Castaic Creek.

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site: No Yes

Date: _____

Biologist Comments/Instructions:

Completed by: Name: EMILIO NUNEZ-ORDOÑEZ

Title: PWU

Date: 11-13-2023

Approved by: Name: Juan Cabrera

Title: FCCS

Date: 12/1/23

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

Permit Requirements:

The channel clearing work will involve hand cutting and clearing a 20-foot path from the riprap outlet to the main watercourse, Castaic Creek.

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 NUNEZ-ORDONEZ

Title: PWCL Date: 11-13-2023

Approved by: Name: Juan Cabrera

Title: FOCS Date: 12/1/23

Los Angeles County Channel Maintenance Project Mitigation Monitoring Program

Reach Name CASDAG CREEK
Reach Number 104

Date	Air	H2O	Noise	Comment	Initial
11-13-2023	✓	✓	✓	NONE	END
11-15-2023	✓	✓	✓	300' SF OF TAMARISK REMOVED	END
11-16-2023	✓	✓	✓	200' SF OF TAMARISK REMOVED	END
11-17-2023	✓	✓	✓	200' SF OF TAMARISK REMOVED	END
11-20-2023	✓	✓	✓	400' SF OF TAMARISK REMOVED	END
11-21-2023	✓	✓	✓	100' SF OF TAMARISK REMOVED	END
11-22-2023	✓	✓	✓	300' SF OF TAMARISK REMOVED	END
11-27-2023	✓	✓	✓	200' SF OF TAMARISK REMOVED	END
11-28-2023	✓	✓	✓	100' SF OF TAMARISK REMOVED	END

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

8461247

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 105 San Francisquito Canyon Channel (PD 2456)**

Permit Requirements:

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 CLEARING OF VEGETATION WITHIN 15' LIMIT.
WATER TRUCK WAS USED TO MINIMIZE 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: 11-02-2023

Project end date: 11-06-2023

Completed by: Name: EMILIO NILES-ORDONEZ Title: PWCL Date: 11-02-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 11/6/23

**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. 105 San Francisquito Canyon Channel (PD 2456)**

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site:

No Yes

Date: _____

Biologist Comments/Instruction:

Completed by: Name: EMILIO NUNEZ-ORDONEZ

Title: PLCC Date: 11-02-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 11/6/23

**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)**

Permit Requirements:

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 entrapment 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 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 NUNEZ-RODRIGUEZ

Title: PWCL Date: 11-02-2023

Approved by: Name: Juan Cabrera

Title: FOCS Date: 11/6/23

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM**

Reach Name SAN FRANCISCO CREEK
Reach Number 105

Date	Air	H2O	Noise		Comment	Initial
11-02-2023	✓	✓	✓		NONE	END
11-03-2023	✓	✓	✓		NONE	END
11-06-2023	✓	✓	✓		NONE	END

LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM

Compliance Verification Form

8406491

Impact Issue: **Air Quality**

Mitigation Measure #: 1

Location/Channel Reach #: **Reach No. 108 – Pico Canyon Channel – PD 2528
T.G.: 4640-C1 to C7**

Permit Requirements:

The channel clearing work will involve removing all the vegetation within the channel using hand tools and mechanical equipment.

Description of Activity/Method of Implementation:

MECHANICAL CLEARING OF ALL VEGETATION; WATER TRUCK WAS USED TO MINIMIZE 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: 12-18-2023

Project end date: 1-19-2024

Completed by: Name: EMILIO NEVES-ORDONEZ Title: PWCL Date: 12-18-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 1/25/24

**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. 108 – Pico Canyon Channel – PD 2528**
T.G.: 4640-C1 to C7

Permit Requirements:

The channel clearing work will involve removing all the vegetation within the channel using hand tools and mechanical equipment.

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:

- | | |
|---|--|
| <input checked="" type="checkbox"/> SS-1 Scheduling | <input type="checkbox"/> SS-2 Preservation of Existing Vegetation |
| <input type="checkbox"/> WE-1 Wind Erosion Control | <input checked="" type="checkbox"/> NS-4 Temporary Stream Crossing |
| <input type="checkbox"/> SS-9 Temporary Drains and Swales | <input type="checkbox"/> SC-1 Silt Fence |
| <input type="checkbox"/> SC-9 Straw Bale Barriers | <input type="checkbox"/> 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 WILVES ORDOÑEZ

Title: PWCL

Date: 12-18-2023

Approved by: Name: Swan Cabrera

Title: FCCS

Date: 1/25/24

**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**

Permit Requirements:

The channel clearing work will involve removing all the vegetation within the channel using hand tools and mechanical equipment.

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 INDIAS-ORDONEZ

Title: PWCL Date: 12-18-2023

Approved by: Name: Juan Cabrera

Title: FCCS Date: 1/25/24

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

Impact Issue: Air Quality

Mitigation Measure #: 1

Location/Channel Reach #: Reach No. 109 Santa Clara River-South Bank West of
McBean Parkway (MTD 1510)

Permit Requirements:

The channel clearing work will involve mechanically removing 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. Will 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: 10-29-23

Project end date: 10-29-23

Completed by: Name: RODOLFO ROSAS Title: SUPERVISOR Date: 10-24-23

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) 0

Mitigation Measure #: 2

Exotic Veg. Removed (Sq. Ft.) 0

Location/Channel Reach #: Reach No. 109 Santa Clara River-South Bank West of
McBean Parkway (MTD 1510)

Permit Requirements:

The channel clearing work will involve mechanically removing 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. Will 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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

NONE

Biologist on site:

No Yes

Date: _____

Biologist Comments/Instruction:

Completed by: Name: RODOLFO ROSAS

Title: SUPERVISOR Date: 10-24-23

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. 109 Santa Clara River-South Bank West of
McBean Parkway (MTD 1510)**

Permit Requirements:

The channel clearing work will involve mechanically removing 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 lollipped instead of cleared. Will 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: RODOLFO ROSAS

Title: SUPERVISOR Date: 10-24-23

Approved by: Name: _____

Title: _____ Date: _____

8511212

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)**

Permit Requirements:

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 CLEARING 100% OF ALL VEGETATION WITHIN THE PERMIT LIMITS
WATER TRUCK WAS USED AT ALL TIMES TO MINIMIZED DUST FROM SITE
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: 11-01-2023

Project end date: _____

Completed by: Name: EMILIO NIEVES ORTIZ Title: PWCL Date: 11-01-2023

Approved by: Name: Juan Cabrera Title: FCCS Date: 12/20/23

**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)**

Permit Requirements:

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
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 RODRIGUEZ

Title: PWCL Date: 11-01-2023

Approved by: Name: Jan Cabrera

Title: FCCS Date: 12/20/23

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

Impact Issue: **Hydrology and Water Quality** Trash/Debris Removed (Tons) 2,365.18

Mitigation Measure #: **2** Exotic Veg. Removed (Sq. Ft.) 3,300 SF

Location/Channel Reach #: **Reach No. 110 Hasley Canyon Channel (PD 2262)**

Permit Requirements:

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:

- | | |
|--|---|
| <input checked="" type="checkbox"/> ESC1 Scheduling | <input type="checkbox"/> ESC2 Preservation of Existing Vegetation |
| <input checked="" type="checkbox"/> ESC21 Dust Control | <input checked="" type="checkbox"/> ESC22 Temporary Stream Crossing |
| <input type="checkbox"/> ESC31 Temporary Drains and Swales | <input type="checkbox"/> ESC50 Silt Fence |
| <input type="checkbox"/> ESC51 Straw Bale Barriers | <input type="checkbox"/> 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:

SOME OUTLETS WERE BURIED WITH SAND AND THEY WERE DUG OUT.
SO THEY WERE FUNCTIONAL AGAIN.

Biologist on site: No Yes Date: _____

Biologist Comments/Instruction:

Completed by: Name: EMILIO NIEVES-ORDONEZ Title: PWCL Date: 11-01-2023
Approved by: Name: Juan Cabrera Title: FCCS Date: 12/20/23

**LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT
MITIGATION MONITORING PROGRAM**

Reach Name HESEBY CUN CHANNEL
Reach Number 110

Date	Air	H2O	Noise	Comment	Initial
11-01-2023	✓	✓	✓	100 SF TAMARISK REMOVED	END
11-02-2023	✓	✓	✓	200 SF TAMARISK REMOVED	END
11-03-2023	✓	✓	✓	150 SF TAMARISK REMOVED	END
11-04-2023	✓	✓	✓	100 SF TAMARISK REMOVED	END
11-06-2023	✓	✓	✓	NONE	END
11-07-2023	✓	✓	✓	NONE	END
11-08-2023	✓	✓	✓	200 SF OF TAMARISK REMOVED	END
11-09-2023	✓	✓	✓	100 SF OF TAMARISK REMOVED	END
11-13-2023	✓	✓	✓	150 SF OF TAMARISK REMOVED	END
11-15-2023	✓	✓	✓	300 SF OF TAMARISK REMOVED	END
11-17-2023	✓	✓	✓	400 SF OF ARUNDO REMOVED	END
11-20-2023	✓	✓	✓	200 SF OF ARUNDO REMOVED	END

Los Angeles County Channel Maintenance Project Mitigation Monitoring Program

Reach Name HARBLEN AND CHANNEL
Reach Number 110

Date	Air	H2O	Noise	Comment	Initial
11-21-2023	✓	✓	✓	200 SF OF REMUDS REMOVED	END
11-22-2023	✓	✓	✓	150 SF OF TRAMPERSK REMOVED	END
11-27-2023	✓	✓	✓	200' SF OF TRAMPERSK REMOVED	END
11-28-2023	✓	✓	✓	200' SF OF TRAMPERSK REMOVED	END
11-29-2023	✓	✓	✓	200' SF OF TRAMPERSK REMOVED	END
12-04-2023	✓	✓	✓	150' SF OF TRAMPERSK REMOVED	END
12-06-2023	✓	✓	✓	300 SF OF REMUDS REMOVED	END

LOS ANGELES COUNTY SOFT BOTTTOM CHANNEL MAINTENANCE 2023-2024 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 112 (Ballona Creek-Upper)
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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 10/23/23

Project End Date: 11/02/23

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-7-24

Approved by:

Name:	EDEN BERLIAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 112 (Ballona Creek-Upper)
Impact Issue:	Hydrology and Water Quality
Mitigation Measure No:	2
Tons Trash/Debris Removed	44

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 Sand Bag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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.

Completed by:

Name:	MM Stephens
Title:	Construction Superintendent
Date:	5-7-24

Approved by:

Name:	EDEN BERHAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 MITIGATION MONITORING PROGRAM

Compliance Verification Form

Location/Channel Reach	Reach No. 112 (Ballona Creek-Upper)
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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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:	5-7-24

Approved by:

Name:	EDEN BERNARD
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

Los Angeles County Channel Maintenance Project
 Mitigation Monitoring Program
 Reach Name BALLONA CREEK
 Reach Number 112

Date	Air	H2O	Noise	Comment	Initial
10/23/23	GOOD	GOOD	GOOD	START AT CENTINELA WORKING DOWNSTREAM ON LEFT BANK	RN
10/24/23	GOOD	GOOD	GOOD	BOOM WAS MOVED DOWN STREAM 100 YDS	RN
10/25/23	GOOD	GOOD	GOOD	WORK WAS CONTINUED WITHIN 2 ND 100 YDS	RN
10/26/23	GOOD	GOOD	GOOD	BOOM WAS MOVED AGAIN AND WORK WAS CONTINUED	RN
10/27/23	GOOD	GOOD	GOOD	BOOM WAS MOVED AGAIN TO THE LAST SECTION AND WORK WAS FINISHED ON LEFT BANK	RN
10/30/23	GOOD	GOOD	GOOD	BOOMED WAS MOVED TO RIGHT BACK AND WORK HAD BEGUN	RN
10/31/23	GOOD	GOOD	GOOD	BOOM WAS MOVED AGAIN AND CUTTING CONTINUES	RN
11/1/23	GOOD	GOOD	GOOD	BOOM WAS MOVED AND CUTTING CONTINUES	RN
11/2/23	GOOD	GOOD	GOOD	BOOM HAS BEEN MOVED FOR THE FINAL TIME AND WORK WAS FINISHED.	RN

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

Project Start Date: 10/23/23

Project End Date: 11/08/23

Completed by:

Name:	<i>Jasper [Signature]</i>
Title:	<i>F. C. E. S</i>
Date:	<i>5/2/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/2/2024</i>

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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	9

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 Sand Bag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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:	<i>Jarson Wiley</i>
Title:	<i>F.C.C.5</i>
Date:	<i>5/2/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/20/2024</i>

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	<i>Jason Kelly</i>
Title:	<i>F. C. C. S</i>
Date:	<i>5/2/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/20/2024</i>

Los Angeles County Channel Maintenance Project
 Mitigation Monitoring Program
 Reach Name Los Angeles River
 Reach Number 114

Date	Air	H2O	Noise	Comment	Initial
10-23-2023	NORMAL	NORMAL	NORMAL	STARTED REACH 114 LA RIVER R/S	E.T
10-24-2023	NORMAL	NORMAL	NORMAL	2 SKIDSTEER MOWING	E.T
10-25-2023	NORMAL	NORMAL	NORMAL	2 SKIDSTEER MOWING 1 SKIDSTEER MOWING TRUCK	E.T
10-27-2023	NORMAL	NORMAL	NORMAL	1 DUMP TRUCK	E.T
10-30-2023	NORMAL	NORMAL	NORMAL	2 MINI EX 1 SKIDSTEER MOWING TRUCK 1 SKIDSTEER MOWING TRUCK	E.T
10-31-2023	NORMAL	NORMAL	NORMAL	1 SKIDSTEER MOWING TRUCK CLEARING REST OF WAY	E.T
11-2-2023	NORMAL	NORMAL	NORMAL	2 MINI EX MOWING R/S	E.T
11-3-2023	NORMAL	NORMAL	NORMAL	2 SKIDSTEER MOWING	E.T
11-6-2023	NORMAL	NORMAL	NORMAL	1 MINI EX MOWING 2 SKIDSTEER MOWING	E.T
11-7-2023	N/A	N/A	N/A	TRAINING	E.T
11-8-2023	N/A	N/A	N/A	1 SKIDSTEER MOWING	E.T

REACH 114
10-23-2023 LA RIVER SOFT BOTTOM R/B
EQUIPMENT 1 SKIDSTEEL 1 OPERATOR
OPERATING REACH 114 STARTED TODAY

10-24-2023 REACH 114 R/B
EQUIPMENT 2 SKIDSTEEL 2 OPERATORS
MOWING ~~THE~~ R/B

10-25-2023 REACH 114 R/B
EQUIPMENT 2 SKIDSTEEL 2 OPERATORS
MOWING ~~R/B & MAIN GROUND CROWN~~

10-26-2023 REACH 114 R/B
EQUIPMENT 1 MINI EX 1 OPERATOR
1 SKIDSTEEL 1 OPERATOR

10-27-2023 REACH 114 R/B
EQUIPMENT 2 SKIDSTEEL 2 OPERATOR
1 MINI EX 1 OPERATOR
1 LOADER 1 OPERATOR
1 DUMP TRUCK 1 DRIVER
7 PEOPLE WORKING THE
SLOPE AND ROADWAY

REACH 114 R/BANK

10-30-2023 LA RIVER SOFT BOTTOM
EQUIPMENT 1 SKIDSTEER 1 TRUCK
8 GROUND PEOPLE WORKING
SLOPES AND RIGHT OF WAY

10-31-2023 LA RIVER SOFT BOTTOM
EQUIPMENT 1 SKIDSTEER 1 TRUCK
8 GROUND PEOPLE WORKING
SLOPES AND RIGHT OF WAY

11-2-2023 LA RIVER SOFT BOTTOM R/BANK
EQUIPMENT 2 MINI EX MOWING
7 GROUND PEOPLE WORKING
THE SLOPES AND RIGHT OF WAY

11-3-2023 LA RIVER SOFT BOTTOM R/BANK
EQUIPMENT 2 MINI EX MOWING
1 SKIDSTEER LOADING
1 DUMP TRUCK
14 GROUND PEOPLE WORKING
THE SLOPES AND RIGHT OF WAY

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Project Start Date: 10/10/23

Project End Date: 12/19/23

Completed by:

Name:	<i>[Signature]</i>
Title:	<i>Com. Mgr. Supervisors</i>
Date:	<i>05/02/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/2/2024</i>

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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	122

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 Sand Bag Barrier
- SS-9 Straw Bale Barrier
- NS-8 Vehicle and Equipment Cleaning

Disposition:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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:	<i>[Signature]</i>
Title:	<i>Environmental Steward</i>
Date:	<i>05/02/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/20/2024</i>

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2023-2024 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. A silt curtain was installed, and floating debris was collected and disposed of properly. 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

Completed by:

Name:	<i>[Signature]</i>
Title:	<i>Compliance Superintendent</i>
Date:	<i>02/02/2024</i>

Approved by:

Name:	<i>EDEN BERHAN</i>
Title:	<i>SENIOR CIVIL ENGINEER</i>
Date:	<i>5/20/2024</i>

Los Angeles County Channel Maintenance Project
 Mitigation Monitoring Program
 Reach Name San Gabriel River
 Reach Number 115

Date	Air	H2O	Noise	Comment	Initial
10/10/23	GOOD	WATER WAY Good	Low	NONE	OA
10/11/23	GOOD	Good	Low	NONE	OA
10/12/23	Good	"	Low	NONE	RR
10/13/23	Good	"	Low	NONE	RR
10/14/23	Good	"	Low	NONE	OA
10/17/23	Good	"	Low	NONE	RR
10/18/23	Good	"	Low	NONE / Boom moved	RR
10/19/23	Good	"	Low	NONE	RR
10/20/23	Good	"	Low	NONE	RR
10/21/23	Good	"	Low	NONE	OA
10/23/23	Good	"	Low	NONE	RR
10/26/23	Good	"	Low	NONE	OA

Los Angeles County Channel Maintenance Project
 Mitigation Monitoring Program
 Reach Name San Gabriel River
 Reach Number 115

Date	Air	H2O	Noise	Comment	Initial
10/27/23	Good	Good	Low	NONE	OA
10/31/23	Good	"	Low	None	RR
11/1/23	Good	"	Low	None Boom moved	RR
11/2/23	Good	"	Low	None	RR
11/3/23	Good	"	Low	None	RR
11/4/23	Good	"	Low	NONE	OA
11/8/23	Good	"	Low	None Boom moved / completed to 405 ft	RR
11/15/23	Good	"	Low	None	RR
11/16/23	Good	"	Low	None	RR
11/28/23	Good	"	Low	None	RR
11/29/23	Good	"	Low	None	RR
11/30/23	Good	"	Low	None	RR

Los Angeles County Channel Maintenance Project
 Mitigation Monitoring Program
 Reach Name San Gabriel River
 Reach Number 115

Date	Air	H2O	Noise	Comment	Initial
12/1/23	Good	Good	Low	None	OA
12/5/23	Good	"	Low	None	RR
12/6/23	Good	"	Low	None	RR
12/7/23	Good	"	Low	None	RR
12/8/23	Good	"	Low	None	RR
12/11/23	Good	"	Low	None	RR
12/12/23	Good	"	Low	None / finished 7 th to 2nd	RR
12/15/23	Good	"	Low	None	RR
12/18/23	Good	"	Low	None	RR
12/19/23	Good	"	Low	Job completed / PCH to Marina	RR

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2022-2023 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:

Proper vegetation removal methods were conducted along Rustic and Rivas Channels. Vegetation and shrubs were removed using hand tools and a rubber tracked skid steer. Channel repairs will be conducted in 2024 due to recent storm events. Minimal dust was generated during vegetation removal.

Disposition:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	The mitigation measure is not in compliance. Further action is required. (Please explain below)

Comments/Revisions:

See Attached Daily Field Logs.

See Attached Separate Annual Report by Psomas

Project Start Date: 11/06/23

Project End Date: 11/15/23

Completed by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-7-24

Approved by:

Name:	EDEN BERHAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2022-2023 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	32

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 conducted before, during, and after during all clearing activities along Rustic. Water Quality was not performed along Rivas because the site did not meet Regional Water Quality Control Board's (RWQCB) requirements for flowing water. Proper vegetation removal methods were conducted along Rustic and Rivas Channels. Vegetation and shrubs were removed using hand tools and a rubber tracked skid steer. Channel repairs will be conducted in 2024 due to recent storm events. All equipment and hand tools were 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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:

A two-striped garter snake relocation plan was implemented. See Report by Psomas Water Quality Sampling results provided in Annual Report for Rustic.

Completed by:

Approved by:

Name:	M. Stephenson
Title:	Construction Superintendent
Date:	5-7-24

Name:	EDREW BERHAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

LOS ANGELES COUNTY SOFT BOTTOM CHANNEL MAINTENANCE 2022-2023 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:

Proper vegetation removal methods were conducted along Rustic and Rivas Channels. Vegetation and shrubs were removed using hand tools and a rubber tracked skid steer. Channel repairs will be conducted in 2024 due to recent storm events. 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:

<input checked="" type="checkbox"/>	Mitigation measure has been implemented. No future action is required.
<input type="checkbox"/>	Mitigation measure is not fully implemented. Further action is required. (Please explain below)
<input type="checkbox"/>	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:	5-7-24

Approved by:

Name:	EDEN BERHAN
Title:	SENIOR CIVIL ENGINEER
Date:	5/20/2024

Los Angeles County Channel Maintenance Project

Mitigation Monitoring Program

Reach Name RIVAS & RUSTIC

Reach Number 118 & 119

DATE	AIR	H ₂ O	NOISE	COMMENT	INITIAL
11/6/2023	GOOD	GOOD	LOW	FIRST DAY OF SBC AT REACH 118 RIVAS. 14 PW EMPLOYEES. WATER SAMPLING WAS CLEARED TO BEGIN. APPROXIMATELY 150 YARDS COMPLETED. STORAGE CONTAINER WAS DELIVERED TODAY.	RN
11/7/2023	GOOD	GOOD	LOW	DAY # 2 OF "SBC" ..15 PW EMPLOYEES CUTTING AND HAULING VEGETATION AT APPROXIMATELY 200 YARDS DOWN STREAM OF SUNSET.	CH
11/8/2023	GOOD	GOOD	LOW	DAY #3 OF "SBC" 15 PW EMPLOYEES CUTTING AND HAULING VEGETATION AT APPROXIMATELY 250 YARDS DOWN STREAM OF SUNSET.	CH
11/9/2023	GOOD	GOOD	LOW	DAY #4 OF "SBC" 12 PW EMPLOYEES CUTTING AND REMOVING VEGETATION AT APPROXIMATELY 50 YARDS UPSTREAM OF BROOKTREE BRIDGE	CH
11/10/2023	GOOD	GOOD	LOW	DAY #5 OF "SBC" 12 PW EMPLOYEES CUTTING AND REMOVING VEGETATION AT BROOKTREE BRIDGE.	CH
11/11/2023	GOOD	GOOD	LOW	DAY #6 OF "SBC" 8 PW EMPLOYEES CUTTING AND REMOVING VEGETATION AT APPROXIMATELY 100 YARDS UPSTREAM OF EAST RUSTIC ROAD BRIDGE	CH
11/13/2023	GOOD	GOOD	LOW	DAY #7 OF "SBC" 13 PW EMPLOYEES CUTTING AND HAULING VEGETATION AT APPROXIMATELY 50 YARDS UP STREAM OF EAST RUSTIC ROAD BRIDGE	CH
11/14/2023	GOOD	GOOD	LOW	DAY #8 OF "SBC" 7 PW EMPLOYEES CUTTING AND REMOVING VEGETATION AT EAST RUSTIC ROAD BRIDGE	CH
11/15/2023	GOOD	GOOD	LOW	DAY #9 OF " SBC" 5 PW EMPLOYEES CLEANING UP LAST DAY OF FINAL WALK THRU OF RIVAS/ RUSTIC CHANNEL	CH

ATTACHMENT NO. 3
PRE- AND POST-CLEARING BIOLOGICAL
RESOURCES MONITORING FORMS

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: Steve Morris

Date: August 19, 2023

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 riparian forest, cattail wetland, and ruderal vegetation in area maintained; variety of ornamental vegetation present, most not a problem, but some grounds are invasives

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 2

Name of Biologist: Steve Morris

Date: January 6, 2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Willows and Sycamore, but also some ornamental trees
& shrubs

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

**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: August 15, 2023

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 southern coast live oak, ornamental, & ruderal
vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-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: February 17, 2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Coast live oak and Eucalyptus

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

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: Steve Morris

Date: August 15, 2023

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):

southern coast live oak, willows less than a year old, & ruderal vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: Steve Morris

Date: August 19, 2023

Special Permit Conditions:

None.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Riparian herb dominated by cattails, southern coast live oak, & willows in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 5

Name of Biologist: Steve Morris

Date: January 6, 2025

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Willow riparian

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):
None.

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: 08/29/23

Special Permit Conditions:

Sensitive reach. LBV, SWF, & YBG surveys required prior to maintenance. 30-day herpetofauna survey & 7-day avian survey required. Avian sensitive reach: no work permitted March 1st - September 15th, monitoring required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Willow riparian forest dominates both banks of reach 7. Southern willow scrub growing along toe & riparian of channel. Cattail wetland located in downstream portion of reach.

Notable Disturbances (anthropogenic and natural):

Trash observed within the channels open water & on either bank of the channel. Evidence of homelessness encampments on right bank.

Wildlife Compendium:

House Finch, yellow-rumped warbler, mallard, American crow, Lesser goldfinch, Anna's hummingbird, mourning dove, common raven, black phoebe, Song Sparrow, European starling.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Biological Resources
POST-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: 01/16/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Willow riparian forest remains, Cotton wood on the west bank remain. cattail wetland was removed from channel.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Mallard, Canada goose, Eurasian collared dove, Rock Pigeon, yellow rumped warbler, Red-winged blackbird, Anna's hummingbird, lesser gold finch, white-crowned sparrow, mourning dove, common grackle, American goldfinch

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: August 15, 2023

Special Permit Conditions:

None.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Some ruderal vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

Some trash at upper end of reach.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Biological Resources
POST-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: January 2, 2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

non-native ash trees

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

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: Jack Underwood

Date: 08/30/23

Special Permit Conditions:

Sensitive Reach. Santa Ana Sucker survey required. LBU, SWF, & YBC surveys required prior to maintenance. 30-day herpetofauna survey & 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):

Southern willow scrub & willow riparian woodland dominate the banks within reach 12. Some mule fat scrub dotting the wetted edge in the downstream portion of the reach. Ailanthus, castor bean & some small palms observed within the reach.

Notable Disturbances (anthropogenic and natural):

Some evidence of homeless encampments observed between channel & golf course on left bank.

Wildlife Compendium:

California towhee, black Phoebe, American robin, mourning dove
California scrub-jay, house finch, bush-tit, lesser goldfinch, Mallard,
common raven, yellow-rumped warbler, California quail.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 12

Name of Biologist: Jack Underwood

Date: 04/11/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

disturbed scale broom scrub is dominant outside the maintenance area, all invasives removed.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Mallard, Mourning dove, Song Sparrow, Anna's hummingbird, black Phoebe, Northern Mockingbird, house Sparrow, Pine Siskin, house Finch, lesser goldfinch, Stellar Jay, hooded oriole, yellow-rumped warbler, California quail, western-fence lizard.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/30/23

Special Permit Conditions:

NONE

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

The banks of channel were Ruderal/disturbed Scaebroom scrub. The invert had some non native grasses, but was mostly unvegetated.

Notable Disturbances (anthropogenic and natural):

Some trash seen within reach

Wildlife Compendium:

House Finch, California thrasher, ground squirrel, western fence lizard
black Phoebe, house sparrow, American crow, lesser goldfinch

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-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: 04/11/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Disturbed Scaevola scrub is located adjacent to maintenance area.
Due to heavy rains, vegetation was present within the channel.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

House Finch, ground squirrel, California thrasher, American crow
Eurasian collared dove

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Jack Underwood

Date: 08/30/23

Special Permit Conditions:

Sensitive reach. LRV, SWF, & YBC surveys required prior to maintenance. 30-day herpetofauna & 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):

Channel is dominated primarily by southern willow scrub. Some disturbed scale broom scrub located in the lower portion of the reach. Some alantus & tamarisk. Castor bean / arundo not an issue.

Notable Disturbances (anthropogenic and natural):

Some trash seen.

Wildlife Compendium:

California towhee, Lesser goldfinch, Anna's hummingbird, black Phoebe, house finch, mourning dove, Ruby crowned Kinglet, western fence lizard, American crow.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 14

Name of Biologist: Jack Underwood

Date: 04/11/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Disturbed Scale broom scrub is adjacent to the maintenance area.
Maintenance complete, invasives NOT an issue.

Compliance with permit conditions: Full X Partial _____

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Least Bell's Vireo, Anna's hummingbird, American Pipit, House Finch, Bewick's Wren,
Lesser Goldfinch, Song Sparrow, Black Phoebe, Mallard, Yellow-rumped
Warbler, Lawrence's Goldfinch.

Observation of Special Status Species: YES (circled) NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Least Bell's Vireo Foraging in the Riparian Willows.

Issues and/or recommendations (continue on the back if needed):

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: August 15, 2023

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, & ruderal vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

Scattered trash throughout the reach.

Wildlife Compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**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: Steve Morris

Date: August 16, 2023

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):

Southern coast live oak and ruderal vegetation in area maintained;
invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: Steve Morris

Date: August 16, 2023

Special Permit Conditions:

30-day herpeto-fauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Ruderal vegetation in area maintained; tree-of-heaven on right bank and overhanging reach just upstream of entrance bridge.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium:

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: Steve Morris

Date: August 16, 2023

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):

Southern coast live oak (disturbed & undisturbed), ruderal, &
ornamental vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium:

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: Steve Morris

Date: August 16, 2023

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):

Southern coast live oak, ruderal, & ornamental vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**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: Steve Morris

Date: August 16, 2023

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):

Southern coast live oak & ruderal vegetation in area maintained;
invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**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: Steve Morris

Date: August 26, 2023

Special Permit Conditions:

None. Pilot project reach.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Riparian herb, wetland cattails, & ruderal vegetation in area maintained; some arundo & castor bean present.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 24

Name of Biologist: Steve Morris

Date: November 26, 202

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Some reed beds in middle of low-flow channel at upstream end of reach, but otherwise all vegetation removed.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 25 (east & west)

Name of Biologist: Steve Morris

Date: August 25, 202

Special Permit Conditions:

Pilot project. 7-day avian survey required prior to maintenance

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Primarily ruderal growth in area maintained; Arrundo and Castor bean present.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium:

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 25 (east & west)

Name of Biologist: Steve Morris

Date: , January 28, 2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Some large willows on east bank, otherwise all
vegetation removed.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

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: Jack Underwood

Date: 08/29/23

Special Permit Conditions:

Sensitive Reach. LBV, SWF, YBC surveys required prior to maintenance. Requires flagging annually 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):

Cattail Wetland is primarily dominant within the invert of the reach channel. Willow riparian forest is dominant along the banks of the reach with some polygons appearing in the invert as well. The upland portion of the left bank is Ruderal.

Notable Disturbances (anthropogenic and natural):

Homeless encampments seen within reach. Trash present in reach channel as well.

Wildlife Compendium:

Mallard, black Phoebe, American crow, Anna's hummingbird, house Finch, blue gray gnatcatcher, lesser goldfinch, house sparrow, common raven, western fence lizard, great egret, western gull.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 27

Name of Biologist: Jack Underwood

Date: 08/29/23

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

willow riparian forest, surrounds the channel. developed areas
surround the maintenance area

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

yellow-rumped warbler, American crow, house finch, Bewick's wren
wren-tit, song sparrow

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

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: Steve Morris

Date: August 19, 2023

Special Permit Conditions:

Sensitive Reach. LBV/SWF surveys required prior to maintenance, 30-day herpatofauna survey and additional 24-hour herpatofauna pre-maintenance survey prior to maintenance activities due to potential western pond turtle required. 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):

Partially ruderal vegetation in area maintained, but some riparian herb under bridge; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: Steve Morris

Date: August 19, 2023

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 should be done no sooner than 10/27/23

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Riparian herb and ruderal vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 32

Name of Biologist: Steve Norfis

Date: February 17, 2021

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Chaparral, oaks, and some ornamental vegetation.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

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: Steve Morris

Date: August 19, 2023

Special Permit Conditions:

30-day herpetofauna survey required and additional 24-hour herpetofauna pre-maintenance 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):

willow riparian forest and freshwater marsh habitat; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 33

Name of Biologist: JACK Underwood

Date: 12/14/23

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

DEVELOPED, Willow Riparian, Ruderal, & open water occur adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Anna's hummingbird, mallard, lesser gold finch, western gull, western scrub jay, common raven, house sparrow, california towhee, black phoebe, oak titmouse, western fence lizard, american gold finch, northern mockingbird, american crow, bush tit, house finch.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: August 19, 2023

Special Permit Conditions:

None;

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Riparian herb and ruderal vegetation in area maintained; invasives not a problem, an olive tree overhangs reach somewhat.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: Steve Morris

Date: August 19, 2023

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):

Some ruderal vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: 08/17/23

Special Permit Conditions:

Sensitive Reach, Santa Ana sucker survey required. LBV, SWF, JYDC surveys required prior to maintenance. Avian sensitive reach: no work permitted March 2 - Sept. 15. 7-day avian survey & 30-day herpetofauna survey required. Monitoring required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach is dominated by mule fat scrub & disturbed alluvial sage scrub. Ruderal areas are also present. Castor bean is heavily present throughout all vegetation types.

Notable Disturbances (anthropogenic and natural):

Trash present within reach.

Wildlife Compendium:

American Crow, turkey vulture, mallard, cormorant, western fence lizard, yellow-rumped warbler, common side blotted lizard, California towhee, white-crowned sparrow, Allen's hummingbird, scaly-breasted munia, American goldfinch, black phoebe, rock pigeon, house finch, ruby-crowned kinglet, canyon wren

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-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: 03/27/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Mulefat scrub & disturbed alluvial sage scrub surrounds the maintenance area. Castor bean is still highly dispersed in reach.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

No work was done in reach 39 this maintenance season.

Wildlife compendium:

American crow, Turkey vulture, mallard, double-breasted cormorant, western fence lizard, yellow-rumped warbler, California towhee, white-crowned sparrow, black phoebe, scaly-breasted nuthatch, American gold finch, Allen's hummingbird.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

None

Issues and/or recommendations (continue on the back if needed):

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: 08/21/23

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):

Open water & mule fat scrub dominate the invert of the upper section of the reach. The lower portion of the reach has a lot of open water due to a heavy rainy season. Disturbed alluvial sage scrub dominates areas not covered by water. Castor bean present in reach.

Notable Disturbances (anthropogenic and natural):

Homeless encampments & trash are prevalent within the reach, primarily occur under bridges.

Wildlife Compendium:

Great Egret, Canada goose, mallard, great tailed grackle, American Crow, American Coot, White-crowned Sparrow, house Finch, Great blue Heron, black Phoebe, northern Rough-winged Swallow, mourning dove.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 40 a

Name of Biologist: Jack Underwood

Date: 03/22/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Open water & developed areas occur adjacent to maintenance areas. Invasives such as castor bean removed. Some mulefat scrub & ^{alluvial} sage scrub remain within historic maintenance areas due to open water & the inability to access these areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

great tailed grackle, great egret, Canada goose, mullard, American coot, house finch, lesser gold finch, northern rough-winged swallow, ring-necked duck, red-shouldered hawk, mourning dove, American crow, great blue heron, California towhee, white-crowned sparrow, red-winged blackbird, black phoebe, snowy egret

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

Heavy rains filled up the channel & prohibited maintenance in some areas

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 406

Name of Biologist: Jack Underwood

Date: 08/21/23

Special Permit Conditions:

Sensitive Reach. LBU, SWF & YBC surveys required prior to maintenance. Avian sensitive reach: no work permitted March 2 - Sept. 15. 7-day Avian survey & 30-day herpetofauna survey required. Monitoring required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

UPstream of valley Blvd is primarily open water / Ruderal along the riprap. Below valley Blvd, willow riparian scrub & forest dominate areas that are not under open water. Ruderal upland found between valley Blvd & Friens Ave. Castor bean & arrundo heavily present within reach.

Notable Disturbances (anthropogenic and natural):

Homeless encampments hidden within the willow forest & under bridges. Trash present within reach as well.

Wildlife Compendium:

American crow, white-crowned sparrow, common Raven, white-throated swifT, house Finch, great Egret, great tailed grackle, mallard American Loon, black Phoebe, black-necked stilt.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 406

Name of Biologist: JACK Underwood

Date: 03/22/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Open water, riparian, mixed willow riparian scrub & mixed willow riparian forest occur adjacent to maintenance areas

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

great tailed grackle, great egret, canada goose, mallard, american coot, house finch, lesser gold finch

Wildlife compendium:

great-tailed grackle, great egret, canada goose, mallard, american coot, house finch, lesser gold finch, northern rough-winged swallow, ring-necked duck, red-shouldered hawk, mourning dove, american crow, great blue heron, california towhee, white-crowned sparrow.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

Heavy amount of open water in the channel prohibited maintenance work in some areas.

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: Steve Morris

Date: August 18, 2023

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 herb and ruderal vegetation in area maintained;
invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 41

Name of Biologist: Steve Morris

Date: February 26, 20

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Willows

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium:

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

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: Steve Morris

Date: August 18, 2023

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 herb and ruderal vegetation in area maintained;
castor bean present.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: Jack Underwood

Date: 08/17/23

Special Permit Conditions:

Sensitive Reach. LBU, SWF, & YBC surveys required prior to maintenance. 30-day & 24-hour herpetology surveys required prior to maintenance activities due to potential for western pond turtle. 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):

Ruderal & mixed willow riparian forest are the more prevalent vegetation type within the reach. Open water is found along the left bank. arrundo is highly dispersed within the reach. US castor bean is as well.

Notable Disturbances (anthropogenic and natural):

Trash seen throughout reach. Some homeless encampments hidden within willow forest.

Wildlife Compendium:

House Finch, Great Egret, Mallard, American Coot, Red-shouldered hawk, black Phoebe, white-crowned sparrow, California towhee, house sparrow, western fence lizard, ground squirrel

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 43a

Name of Biologist: Jack Underwood

Date: 03/22/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Mixed willow riparian forest, mulc fat scrub, & open water occur adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

double-breasted cormorant, wrentit, house finch, mallard, lesser-gold finch, common yellow throat, yellow rumped warbler, bush tit, northern mockingbird, california towhee, black phoebe, white-crowned-sparrow, canada goose, great egret, song sparrow

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 436

Name of Biologist: Jack Underwood

Date: 08/21/23

Special Permit Conditions:

Sensitive Reach. LBV, SWF, & YBC surveys required prior to maintenance. Requires flagging annually 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):

Ruderal / unvegetated wash make up the majority of this reach. Polygons of mixed willow riparian forest dot the center line & left bank of the reach.

Notable Disturbances (anthropogenic and natural):

Some trash present.

Wildlife Compendium:

House Sparrow, house finch, great egret, Mallard, black Phoebe, Lesser Goldfinch, California Towhee, American Crow, white-crowned sparrow, great tailed grackle.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 436

Name of Biologist: Jack Underwood

Date: 03/22/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Open water, mixed willow riparian forest, mixed willow riparian scrub, occurs adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

wrenit, house finch, mallard, lesser gold finch, common yellowthroat, yellow-rumped warbler, bushtit, northern mockingbird, californian towhee, black phoebe, white-crowned sparrow, Canada goose, great egret, song sparrow.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/21/23

Special Permit Conditions:

30-day herpetofauna survey required prior to maintenance activities.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

MOST OF Reach 44 was filled with open water. The top of Reach 44 consisted heavily of mixed willow riparian forest & some cattail wetland. Ruderal vegetation make up the toes of the channel primarily on both banks. Castor bean is highly prevalent with patches of arundo

Notable Disturbances (anthropogenic and natural): dispersed throughout.

Trash seen floating in water with a few homeless encampments seen under bridges & on the bike path.

Wildlife Compendium:

Great Egret, mallard, house finch, blackphoebe, Allen's hummingbird, Anna's hummingbird, Eurasian collared dove, mourning dove, rock pigeon, blue-gray heron, white-throated swift, Red-winged blackbird.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 03/22/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Open water, mixed willow riparian forest, mixed willow riparian scrub.
occur adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

American Crow, Northern Mockingbird, Great Egret, Mallard, Lesser Gold Finch,
House Finch, Anna's Hummingbird, Great-tailed Grackle, Ring-necked Duck,
Canada Goose, Black-crowned Night Heron, Common Raven, Black-necked Stilt,
Yellow-rumped Warbler, Common Yellowthroat, Song Sparrow, Black Phoebe, American Coot.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

Sections of the reach remain under open water prohibiting
maintenance work in some areas.

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 47

Name of Biologist: Jack Underwood

Date: 08/23/23

Special Permit Conditions:

Sensitive Reach. UTS survey required. 30-day herpetofauna survey Required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach Primarily consists of Unvegetated wash & scale broom scrub. Invasives NOT an issue within reach.

Notable Disturbances (anthropogenic and natural):

Some trash observed

Wildlife Compendium:

American crow, Killdeer, house sparrow Anna's hummingbird, black phoebe white-crowned sparrow, California towhee.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 47

Name of Biologist: Jack Underwood

Date: 01/02/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Unvegetated wash & scale-broom scrub occurs adjacent to maintenance area.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Bewick's wren, Anna's hummingbird, American crow, yellow-rumped warbler, red-winged blackbird, common rackle, black phoebe, white-throated swift, house finch

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: JACK Underwood

Date: 08/22/23

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 consists of disturbed scale broom & ornamental vegetation. The invert of reach is primarily unvegetated. Allanthus & Palm trees present within reach.

Notable Disturbances (anthropogenic and natural):

NONE

Wildlife Compendium:

house Finch, bush tit, California towhee, yellow-rumped warbler, American crow, western fence lizard.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 48

Name of Biologist: JACK Underwood

Date: 01/02/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Unvegetated wash & ornamental vegetation occur adjacent to maintenance area.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

American crow, bush-tit, western fence lizard, yellow-rumped warbler, house finch, western scrub-jay

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Jack Underwood

Date: 08/22/23

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 49 is primarily unvegetated with some ailanthus present.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

American crow, western fence lizard, house sparrow, house finch
Anna's hummingbird

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 49

Name of Biologist: JACK Underwood

Date: 01/02/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

developed & unvegetated wash remain adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

western fence lizard, California quail, house sparrow, house finch, Anna's hummingbird

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 51

Name of Biologist: Jack Underwood

Date: 08/22/23

Special Permit Conditions:

Sensitive Reach: UTS survey required, 30-day herpetofauna survey required.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach consists of primarily scale-broom scrub & unvegetated wash.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

house finch, mourning dove, Anna's hummingbird, lesser gold finch

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 51

Name of Biologist: Jack Underwood

Date: 01/02/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Scale-broom scrub, unvegetated wash & developed areas adjacent to maintenance area.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

American Crow, Lesser goldfinch, western fence lizard.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/23/23

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 consists of open water & cattail wetland. Invasives not an issue

Notable Disturbances (anthropogenic and natural):

NONE

Wildlife Compendium:

Song Sparrow, bewick's wren, lesser gold finch, house finch, common Raven, American crow, Eurasian collared dove, black Phoebe.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 01/02/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Open water, developed & disturbed areas remain adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Black Phoebe, Song Sparrow, house Finch, American Crow, Mourning Dove, Common Raven, Bewick's Wren, Lesser Gold Finch.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 54

Name of Biologist: Jack Underwood

Date: 08/23/23

Special Permit Conditions:

Sensitive Reach: UTS survey, & 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 & ornamental vegetation are the dominant vegetation
types in reach 54.

Notable Disturbances (anthropogenic and natural):

Some trash & evidence of homeless encampments seen within
reach

Wildlife Compendium:

black Phoebe, eurasian collared dove, bewick's wren, song sparrow,
American crow, common raven, house finch, lesser goldfinch, yellow-
rumped warbler.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 54

Name of Biologist: Jack Underwood

Date: 01/02/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Disturbed, open water, ornamental & scale-broom scrub remain adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Black phoebe, yellow-rumped warbler, common Raven, house Finch, California towhee, Wren-tit, western fence lizard.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 55

Name of Biologist: Jack Underwood

Date: 08/23/23

Special Permit Conditions:

Sensitive Reach: UTS Survey & 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 reach 55. Some mule fat thickets & cattail marshes present. Invasives not an issue.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

house finch, black phoebe, California towhee, western fence lizard, American crow, yellow rumped warbler.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 55

Name of Biologist: Jack Underwood

Date: 04/15/2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Scale-broom scrub & unvegetated wash are found occurring adjacent to the maintenance areas

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium:

Anna's hummingbird, Killdeer, common raven, American crow, California towhee, Bewick's wren, American Robin, house Finch, Northern Mockingbird, Wren-tit, Cedar waxwing, Eurasian collared dove, bushtit, Stellar Jay, Northern Rough-winged Swallow, Western scrub jay.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 56

Name of Biologist: Jack Underwood

Date: 08/15/23

Special Permit Conditions:

Sensitive Reach: UTS survey & 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):

Some scale-broom scrub present, but mostly is unvegetated wash.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

lesser Goldfinch, black Phoebe, house Finch, western fence lizard, bush-tit, Dark eyed junco, California towhee, American crow, white crowned sparrow, Eurasian collared dove, bewick's wren, cotton tail, California quail, Red-shouldered hawk.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 56

Name of Biologist: JACK UNDERWOOD

Date: 01/02/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

SCALE-BROOM SCRUB & UNVEGETATED WASH OCCUR ADJACENT TO MAINTENANCE AREA.

Compliance with permit conditions:

Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

ANNA'S HUMMINGBIRD, HOUSE FINCH, YELLOW-RUMPED WARBLER, CALIFORNIA TOWHEE, CALIFORNIA QUAIL, MOURNING DOVE.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

**Biological Resources
PRE-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 58

Name of Biologist: JACK Underwood

Date: 08/23/23

Special Permit Conditions:

SENSITIVE Reach: UTS survey & 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 dominates the reach. UNVEGETATED wash occurs in areas without scale-broom scrub. Some Ruderal areas present.

Notable Disturbances (anthropogenic and natural):

NONE

Wildlife Compendium:

LESSER goldfinch, AMERICAN crow, house sparrow, house finch, mourning dove, California towhee, yellow-rumped warbler.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 58

Name of Biologist: JACK Underwood

Date: 04/15/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Scale-broom scrub, Rudral, Unvegetated wash, & developed areas
are located adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Anna's hummingbird, Killdeer, Common raven, American crow, California towhee,
bewick's wren, American Robin, house Finch, Northern mockingbird, wren-tit, Cedar
waxwing, Eurasian collared dove, bush-tit, Stellar Jay, Northern rough-winged Swallow,
western scrub Jay, Pacific slope flycatcher.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Jack Underwood

Date: 08/23/23

Special Permit Conditions:

Sensitive Reach: UTS Survey & 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 dominates this reach. Some Ruderal areas present.
Fremont cottonwood forest present at downstream end of reach on
right bank.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

California towhee, mourning dove, house sparrow, lesser gold finch
American crow, house finch.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 60

Name of Biologist: Jack Underwood

Date: 04/15/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, unvegetated wash, & scale broom scrub occur adjacent to maintenance areas.

Compliance with permit conditions:

Full

Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Anna's hummingbird, common raven, wren-tit, kindeer, American crow, California towhee, bewick's wren, American robin, house finch, northern mockingbird, cedar waxwing, bush-tit, Eurasian collared dove, stellar jay, northern rough-winged swallow, western scrub jay, Pacific slope flycatcher, hooded oriole, Say's Phoebe, Cassin's Kingbird, white-throated sparrow, lesser goldfinch, chipping sparrow, white-crowned sparrow, spotted towhee, lesser goldfinch, coopers,
Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Jack Underwood

Date: 09/23/23

Special Permit Conditions:

Sensitive Reach: UTS survey & 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 & Scale-broom scrub present within reach. Although a majority of the channel is unvegetated. Fremont cottonwood forest present at downstream end of reach.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

house finch, western fence lizard, bunting, yellow rumped warbler, common raven.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 61

Name of Biologist: Jack Underwood

Date: 01/02/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Scale broom scrub & unvegetated wash occur adjacent to maintenance areas

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

lesser gold finch, annals hummingbird, American crow, house finch, common raven, yellow rumped warbler, western fence lizard, mourning dove, California quail.

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/23/23

Special Permit Conditions:

SCASitive Reach: UTS Survey & 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 mostly ruderal / unvegetated wash.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

Common Raven, house finch, turkey vulture.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 04/15/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Ruderal / unvegetated wash occur adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Killdeer, California Towhee, Anna's Hummingbird, House Finch, Lesser Goldfinch, Black Phoebe, White-throated Swift, Song Sparrow, White-crowned Sparrow, Wren-tit, Northern Mockingbird, Common Swift.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/23/23

Special Permit Conditions:

Sensitive Reach: UTS Survey 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):

Reach mainly consists of scale-broom scrub downstream of the pipe.
Upstream of pipe, Fremont cottonwood forest is prevalent. Cattail
wetlands prevalent in the upstream invert of channel.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

Bewick's wren, common raven, American crow, yellow-rumped
warbler, California scrubjay, lesser goldfinch, black phoebe,

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 04/15/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

disturbed salt broom scrub, fremont cotton wood forest & disturbed habitat are the dominant veg types that occur adjacent to maintenance areas

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

California Towhee, Anna's hummingbird, house finch, lesser gold finch, black phoebe, white throated swift, song sparrow, white-crowned sparrow, wren-tit, northern mockingbird, common swift, ground squirrel, yellow rumped warbler, say's phoebe, greater roadrunner, bewick's wren, house sparrow.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/30/23

Special Permit Conditions:

Sensitive Reach: UTS survey & 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 & Ruderal vegetation types are the dominant in this reach. Some Fremont Cottonwoods populate this reach. Invasives not an issue.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

Cassin's Kingbird, Anna's hummingbird, white-crowned sparrow, house Finch, black Phoebe, American crow, common raven, Turkey vulture.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 04/15/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Scale-broom scrub, Ruderal & unvegetated wash occur adjacent to the maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Cassini's Kingbird, American crow, Anna's hummingbird, white-crowned sparrow

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: JACK Underwood

Date: 08/24/23

Special Permit Conditions:

Sensitive Reach: UTS survey & 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 consists of mixed willow thicket, non-native grassland & ruderal
vegetation types. Patches of arundo present within reach.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

barN Swallow, house Sparrow, house Finch, American Crow, Song Sparrow,
black Phoebe, Anna's Hummingbird, Mourning dove, California Scrub-Jay,
Eurasian Collared dove.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 67

Name of Biologist: JACK Underwood

Date: 01/06/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed areas occur adjacent to reach maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium:

EUROPEAN STARLING, black phoebe, Anna's hummingbird, house finch,
Honey bee.

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

Bee nest under bridge at far south end of reach swarming
around.

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: JACK Underwood

Date: 08/24/23

Special Permit Conditions:

SENSITIVE Reach: UTS Survey & 30-day herpETO Fauna Survey Required Prior TO maintenance. Monitoring for bats is Required IF maintenance work is occurring near Urbandale Bridge.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach consists of primarily Sudaena / mixed willow thicker. Some cattail marshes are present within channel. Arrundo patches present in reach.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

house Finch, Lesser gold Finch, Anna's humming bird, COSTA'S humming bird, western fence lizard, American crow, yellow-rumped warbler.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 69

Name of Biologist: Jack Underwood

Date: 04/15/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed areas occur adjacent to maintenance areas

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Cassia's Kingbird, Anna's hummingbird, white-crowned sparrow, black Phoebe, white-throated swiat, house Finch, house sparrow, common Raven, American crow, lesser goldfinch.

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Jack Underwood

Date: 08/24/23

Special Permit Conditions:

Sensitive Reach: UTS Survey & 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 70 consists of primarily unvegetated wash. Scale-broom scrub & mixed willow thicket are the more prevalent vegetation types. Invasives not an issue.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

American crow, Anna's hummingbird, house finch, black phoebe, mourning dove, yellow rumped warbler.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 70

Name of Biologist: JACK Underwood

Date: 01/05/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

DEVELOPED & UNVEGETATED WASH. VEGETATION TYPES OCCUR ADJACENT TO THE MAINTENANCE AREAS.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

EUROPEAN STARLING, BLACK PHOEBE, ANNA'S HUMMINGBIRD, HOUSE FINCH, STELLAR JAY, HOUSE SPARROW, COSTA'S HUMMINGBIRD, YELLOW-RUMPED WARBLER, AMERICAN ROBIN

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/14/23

Special Permit Conditions:

Sensitive Reach: UTS survey required. L&V, SWF, & YBC survey required prior to maintenance. 7-day Avian & 30-day herpetofauna 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 consists primarily of disturbed & mixed willow thicket. Some
arrundo present in reach.

Notable Disturbances (anthropogenic and natural):

Some trash present.

Wildlife Compendium:

house finch, bush tit, lesser gold finch, house sparrow, American crow

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 01/18/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

disturbed, developed & mixed willow thicket occur adjacent to maintenance areas

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Western Fence lizard, white-crowned sparrow, California scrub jay, black phoebe, bewick's wren, house finch, American crow

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

**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: 08/24/23

Special Permit Conditions:

None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Fremont Cottonwood forest is the dominant vegetation type within the reach.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

house Finch, western Fence lizard, American Crow, Bushy tit, lesser goldfinch, Anna's humming bird, black phoebe

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 01/10/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, Disturbed - Ruderal, & Fremont cotton wood forest occur adjacent to maintenance area.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Anna's hummingbird, black phoebe, house sparrow, song sparrow, American crow

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/24/23

Special Permit Conditions:

None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Ornamental / Ruderal is the predominant vegetation type.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

House Finch, Mourning Dove, Anna's Hummingbird, Western Fence Lizard,

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-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: 01/10/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

developed areas occur adjacent to reach.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

house Finch, mourning dove, Lesser gold Finch, Anna's humming bird.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/14/23

Special Permit Conditions:

Sensitive Reach: LBV, SWF, & YBC Surveys, 30-day herpetofauna survey & 7-day avian survey required prior to maintenance. 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 cottonwood forest. Other vegetation types found consist of mixed willow thicket, Scaletroom scrub & mule fat thicket. Reach 75 also has a significant amount of unvegetated wash. Invasives not an issue within reach.

Notable Disturbances (anthropogenic and natural):

NONE

Wildlife Compendium:

Yellow warbler, California quail, Song Sparrow, bush tit, house Finch, black Phoebe, Anna's hummingbird, American Robin, Red-shouldered Hawk, lesser goldfinch, house sparrow, Killdeer, common Raven, American Crow, western fence lizard, least Bell's vireo.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Least Bell's Vireo observed foraging in a Fremont cottonwood tree. It fluttered around for a bit before leaving the area. Yellow warbler heard in Fremont cottonwood forest.

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 75

Name of Biologist: JACIE UNDERWOOD

Date: 2/11/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Ruderal, Developed, Fremont Cotton wood forest occur adjacent to maintenance area

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

black phoebe, Anna's hummingbird, yellow rumped warbler, chorus frog, song sparrow, american pipit, house finch, Savannah sparrow, oak titmouse, American crow, wren-tit, bewick's wren, white-throated swift, white-crowned sparrow, common raven, red-shouldered hawk,steller's jay, ruby-crowned kinglet, northern mockingbird, california scrub jay, spotted towhee, mallard, canadian goose, blue gray gnatcatcher
Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Steve Morris

Date: August 17, 2023

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 in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species: YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 76

Name of Biologist: Steve Norris

Date: January 2, 2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

All vegetation removed from channel.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

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: Steve Morris

Date: August 17, 2023

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):

primarily unvegetated in area maintained, but a few ruderal species are present; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**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: Steve Morris

Date: August 17, 2023

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):

primarily unvegetated in area maintained, but a few ruderal species are present; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: 08/24/23

Special Permit Conditions:

Sensitive Reach: UTS, LBV, SWF, YBC, arroyo toad, & Crotch bumble bee surveys required prior to maintenance. 7-day avian & 30-day herpetofauna survey also 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):

MULE FAT thicket is the dominant vegetation type within this reach.

Notable Disturbances (anthropogenic and natural):

Some trash present

Wildlife Compendium:

Anna's hummingbird, California quail, bush tit, lesser goldfinch, house Finch
Bewick's wren, American crow, Cassin's King bird, black Phoebe

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 01/10/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

developed, unvegetated wash, 1 mile fat thicket occurs adjacent to maintenance area.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

COMMON Raven, COYOTE, Anna's hummingbird, blue gray gnatcatcher

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/24/23

Special Permit Conditions:

Sensitive Reach: UTS, LBU, SWP, YBC, arroyo toad & Crotch Bumble Bee Surveys Required Prior to Maintenance. 7-day Avian & 30-day herpetofauna survey also 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):

Mule Fat thicket, Fremont cotton wood forest, tamarisk thicket & Sage-brush scrub are the primary vegetation types within the reach. Tamarisk & arundo are present in reach.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

Anna's hummingbird, California Quail, bush-tit, Lesser gold finch, house finch, bewick's wren, American crow, Cassin's Kingbird, black Phoebe.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 01/10/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Unvegetated wash, mule fat thicket, Fremont cottonwood forest - ruderal - tamarisk thicket, Fremont cottonwood - tamarisk thicket, scale-broom scrub - mixed willow thicket, disturbed, developed & ruderal occur adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

European Starling, house finch, yellow-rumped warbler, lesser gold finch, American crow, common raven, mourning dove.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/24/23

Special Permit Conditions:

Sensitive Reach: UTS, LBU, SWF, YBC, arroyo toad, & Crotch Bumble Bee surveys required prior to maintenance. 7-day Avian & 30-day herpetofauna survey also 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):

Reach consists primarily of Fremont Cottonwood, & Ruderal vegetation types Tamarisks & Amundo present & dispersed around the cottonwoods.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

California scrub-jay, Lesser goldfinch, house finch, American crow, Anna's hummingbird.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 01/10/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Ruderal, mule fat thicket, Fremont Cottonwood forest & developed areas occur adjacent to maintenance area

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

oak tit mouse, European Starling, Anna's hummingbird, house finch, yellow-rumped warbler, lesser gold finch, American crow, Ruby-crowned Kinglet, Black Phoebe.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Steve Morris

Date: August 17, 2023

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):

Ruderal vegetation in low-flow channel maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 86

Name of Biologist: Steve Morris

Date: January 2, 2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Willows and Cottonwoods on Castaic Creek at
downstream end of reach.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

**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: Steve Morris

Date: August 17, 2023

Special Permit Conditions:

Sensitive Reach. UTS, LBV, SWF, YBC, and Arroyo Toad surveys required prior to maintenance. 30-day herpeto-fauna survey, 30-day rare plant survey, and 7-day avian survey required. Requires flagging for rare plants. 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 herb and ruderal vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: Steve Morris

Date: August 17, 2023

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):

Sparse growth of ruderal vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: Steve Morris

Date: August 17, 2023

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):

Very sparse growth of ruderal vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 89

Name of Biologist: Steve Morris

Date: January 2, 2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Alluvial Sage scrub and ornamental vegetation

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

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: Steve Morris

Date: August 17, 2023

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):

Sparse growth of ruderal vegetation in area maintained;
invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 90

Name of Biologist: Steve Morris

Date: January 2, 2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Alluvial Sage scrub and/or Inland Sage scrub,

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

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: Steve Morris

Date: August 17, 2023

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):

Sparse growth of ruderal vegetation in area maintained;
invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: Steve Morris

Date: August 17, 2023

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):

Very sparse growth of ruderal vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium:

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 92

Name of Biologist: Steve Morris

Date: January 2, 2020

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Sage scrub/alluvial Sage scrub.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None

**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: Steve Morris

Date: August 17, 2023

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):

Sparse growth of ruderal vegetation in area maintained;
invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 93

Name of Biologist: Steve Morris

Date: January 2, 2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Oaks, chaparral, and ornamental vegetation.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

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: Steve Morris

Date: August 17, 2023

Special Permit Conditions:

30-day herpeto-fauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Very sparse growth of ruderal vegetation in area maintained;
invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium:

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 94

Name of Biologist: Steve Morris

Date: January 2, 2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Ornamental and ruderal vegetation dominant,
but some sage scrub/ chaparral species present.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: 

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

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: JACK Underwood

Date: 08/23/23

Special Permit Conditions:

Habitat survey for burrowing owl required. If survey is positive burrowing owl survey will need to be conducted within 15-days prior to maintenance occurring.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Vegetation types in Reach 95 consist primarily of Rudra/disturbed desert scrub. Russian Thistle is dispersed throughout the reach. Invasives NOT an issue.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

Common Raven, Mourning dove, Eurasian collared dove, house Finch, bushtit, Anna's hummingbird.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 45

Name of Biologist: Jack Underwood

Date: 04/15/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Ruderal-disturbed & developed areas are adjacent to the maintenance area.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Killdeer, house finch, American crow, lesser gold finch, common raven, white-crowned sparrow, northern mockingbird, song sparrow, house sparrow, common yellowthroat, mallard, mourning dove

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/31/23

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 riparian forest & Ruderal make up the majority of vegetation within reach 96. Cattail wetland occurs directly upstream of the bridge. Arundo & some castor bean present.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

Anna's hummingbird, mourning dove, American crow, yellow-rumped warbler, house finch, lesser gold finch,

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 03/27/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

developed, Ruderal, & Willow riparian forest occur adjacent to maintenance areas

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Anna's hummingbird, Song Sparrow, house Finch, house Sparrow, black Phoebe, lesser gold Finch, common crow.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

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: Steve Morris

Date: August 17, 2023

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: 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 herb and ruderal vegetation in area maintained; some arundo overhanging reach.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium:

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

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: Jack Underwood

Date: 08/17/23

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 98 consists of mixed willow riparian forest & coast live oak woodland. Open water flows through the reach. Cattail wetland is growing along the left bank.

Notable Disturbances (anthropogenic and natural):

none

Wildlife Compendium:

Acorn wood pecker, house finch, wren-tit, brown-headed cowbird, Anna's hummingbird, hooded oriole, house sparrow, Eurasian collared dove, barn swallow, pin-tailed whydah, mallard, Allen's hummingbird, bewick's wren, California towhee, yellow warbler

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 98

Name of Biologist: Jack Underwood

Date: 03/22/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, Ruderal, willow riparian forest & coast live oak woodland
occur adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium:

acorn wood pecker, mallard, black phoebe, yellow rumped warbler, gray
squirrel, Anna's hummingbird.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Steve Morris

Date: August 16, 2023

Special Permit Conditions:

30-day herpeto-fauna survey required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Riparian herb, ornamental, willow branches, & ruderal vegetation in area maintained; Arundo and Castor Bean present near Kagel Canyon Road bridge.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium: _____

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

**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: Steve Morris

Date: August 19, 2023

Special Permit Conditions:

None.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Riparian herb, ornamental, and ruderal vegetation in area maintained; invasives not a problem.

Notable Disturbances (anthropogenic and natural):

None.

Wildlife Compendium:

[Redacted]

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

[Blank lines for species list]

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 100

Name of Biologist: Steve Morris

Date: January 6, 2022

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Willows, oaks, and some ornamental vegetation.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium: _____

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

Issues and/or recommendations (continue on the back if needed):

None.

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: 08/24/23

Special Permit Conditions:

UTS & Crotch Bumble Bee Surveys required Prior to Maintenance. 30-day
herpetofauna survey also 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 in Reach 101.
Mule fat & tamarisk thickets as well as some disturbed sections
are also present within the reach

Notable Disturbances (anthropogenic and natural):

Some trash present

Wildlife Compendium:

house Finch, Anna's hummingbird, California towhee, spotted towhee,
American crow, lesser goldfinch, black phoebe wren etc

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 01/05/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, Ruderal areas occur adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

NIA

Wildlife compendium:

Black Phoebe, Common Raven, American Crow, California Towhee, Lesser gold Finch, Costa's hummingbird, house Finch.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

NIA

Issues and/or recommendations (continue on the back if needed):

NIA

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: 08/24/23

Special Permit Conditions:

UTS & Crotch Bumble Bee surveys required prior to maintenance. 30-day
herpetofauna survey also 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 in this reach.
Mulefat/Yamertick thicket & Fremont cottonwood forest also observed.
Invasives NOT an issue.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

house finch, Anna's hummingbird, California towhee, COMMON RAUCN,
Turkey vulture, American crow, Lesser goldfinch, Spotted towhee, black
Phoebe, wren-tit, House Sparrow, yellow-rumped warbler

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 01/05/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, Ruderal, & Scale-broom scrub occur adjacent to maintenance areas.

Compliance with permit conditions:

Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

House Finch, Anna's hummingbird, black Phoebe, Yellow Rumped warbler, Mallard, Rufous-crowned sparrow, Allen's humminbird

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Jack Underwood

Date: 08/15/23

Special Permit Conditions: Avian sensitive reach: no work permitted March 1 - Sept. 15.
Sensitive Reach: UTS, SAS, LBU, SWF, & YBC surveys required prior to
maintenance. 7-day Avian, 30-day herpetofauna, & 30-day Rare Plant
survey also required prior to maintenance. During maintenance work, a 10-foot
buffer from toe of channel will be implemented where any work occurring outside the buffer
will be done by manual hand clearing only.
Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach consists primarily of, MULE FAT thicket, Fremont Cotton wood Forest.
Arundo is heavily present within the reach.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

House Finch, Anna's hummingbird, Common Raven, Bush Tit, Lesser goldfinch,
turkey vulture, American Crow, Wren Tit, Common Raven.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 103

Name of Biologist: JACK Underwood

Date: 01/18/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, Ruderal, Fremont cottonwood forest occurs adjacent to

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Bush tit, Yellow-rumped warbler, Costa's hummingbird, Anna's hummingbird, Common Raven, Ruby-crowned Kinglet, House Finch, Bewick's wren, Song-sparrow, Owl-titmouse, house sparrow, American crow, lesser goldfinch ground squirrel.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/25/23

Special Permit Conditions:

Sensitive Reach: UTS, LBV, SWF, YBC. Arroyo toad surveys required prior to maintenance. 7-day Avian & 30-day herpetofauna survey also required prior to maintenance. 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):

The reach consists of Mule Fat thicket, Mule Fat / Tamarisk thicket, Fremont cottonwood forest, Fremont cottonwood forest / Tamarisk thicket, & Tamarisk thicket. The southern end also has disturbed coastal sage scrub. Arundo & Tamarisk present within the reach.

Notable Disturbances (anthropogenic and natural):

Some trash present.

Wildlife Compendium:

Hairy wood pecker, Anna's hummingbird, house Finch, American crow, Song Sparrow, Red-shouldered Hawk, California towhee, Scrub-jay, Wren-tit, house Sparrow.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-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: 01/10/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

UNVEGETATED wash, developed, MULE FAT THICKET - TAMARISK THICKET
DISTURBED COASTAL SAGE SCRUB OCCUR ADJACENT TO MAINTENANCE AREAS.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium:

COMMON RAVEN, YELLOW RUMPED WARBLER, WESTERN FENCE LIZARD
SONG SPARROW, HOUSE FINCH, CALIFORNIA TOWHEE, SCRUB-JAY

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Jack Underwood

Date: 8/15/23

Special Permit Conditions:

Sensitive Reach: UTS, LBV, SWF, YBC, arroyo toad & Crotch Bumble Bee
surveys required prior to maintenance. 7-day Avian & 30-day herpeto fauna
survey also required prior to maintenance. 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):

Reach consists of Sage-broom scrub, Mule-fat thicket, Fremont cottonwood
forest, disturbed mule fat thicket, Fremont cottonwood forest/mule fat thicket &
Ruderal. Some arundo & Castor bean present

Notable Disturbances (anthropogenic and natural):

Some trash present.

Wildlife Compendium:

American crow, Common Raven, Mourning dove, Anna's hummingbird, house Finch,
Rock Pigeon, Northern Mockingbird.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 105

Name of Biologist: Jack Underwood

Date: 01/18/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, ruderal, mule fat thicker, disturbed mule fat thicker
\$ Fremont cottonwood forests occur adjacent to maintenance
areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

Wildlife compendium:

Bush Tit, yellow-rumped Warbler, Costa's hummingbird, common Raven,
Anna's hummingbird, Ruby crowned Kinglet, house finch, bewick's wren,
Song Sparrow, Oak Titmouse, house sparrow, American crow, ground squirrel

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/25/23

Special Permit Conditions:

None

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach consists of open water & cattail marsh.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

American crow, bush t, black phoebe, mourning dove, rock pigeon, mallard

Observation of Special Status Species:

YES



Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 01/18/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

DEVELOPED areas occur adjacent to maintenance area

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

California SCRUB Jay, Anna's hummingbird, black Phoebe, house Finch, Yellow-rumped warbler.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/14/23

Special Permit Conditions:

Sensitive Reach: UTS, LBU, SWF, YBC, \$ arroyo toad surveys Required Prior to Maintenance. 7-day Avian \$ 30-day herpetofauna surveys also required Prior to Maintenance. Avian sensitive reach: no work permitted March 2 - Sept. 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach consists of Fremont Cottonwood Forest, Ruderal, Arrundo, \$ revegetated Sage scrub.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

Bush tit, lesser Goldfinch, house finch, American crow, yellow-rumped warbler,

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-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: 01/18/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, Ruderal, Unvegetated wash occur adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Western Fence Lizard, white-crowned sparrow, California scrub Jay, black Phoebe, bewick's wren, house Finch, American crow

Observation of Special Status Species: YES **NO**

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Sarah Thomas

Date: 08/28/2023

Special Permit Conditions:

Sensitive Reach: UTS, LBU, SWF, & YBC surveys required prior to maintenance. 7-day
Avian & 30-day herpetofauna surveys also required prior to maintenance. Avian
sensitive Reach: no work permitted March 7 - Sept. 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach consists of Scaevola-broom scrub, mixed willow thicket, mule fat
thicket, sandbar willow thicket, Fremont cotton wood forest, mule fat
thicket / tamarisk thicket.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

N/A

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 110

Name of Biologist: JACK Underwood

Date: 04/15/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, un-vegetated wash, & mule fat thicket occurs adjacent to maintenance area

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

CASSIN'S Kingbird, Anna's Hummingbird, white-crowned sparrow black Phoebe, white-throated swift, house finch, house sparrow, common Raven, American crow Lesser gold finch, bush-tit,

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 112 Upper & Lower

Name of Biologist: Jack Underwood

Date: 08/09/23

Special Permit Conditions:

7-day Avian survey required prior to maintenance. 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):

UPPER PORTION OF REACH CONSISTS OF FRESHWATER MARSH ALONG BOTH BANKS.
DOWNSTREAM PORTION CONTAIN RUDERAL & SALT WATER MARSH AREAS. ENTIRE
REACH CONSISTS OF OPEN WATER

Notable Disturbances (anthropogenic and natural):

TRASH & HOMELESS ENCAMPMENTS PRESENT WITHIN REACH.

Wildlife Compendium:

AMERICAN CROW, BLACK PHOEBE, HOUSE FINCH, WESTERN GULL, ANASIS HUMMINGBIRD,
CANADIAN GOOSE, BROWN PELICAN, NORTHERN ROUGH-WINGED SWALLOW, ROCK PIGEON,
DOUBLE-BREASTED CORMORANT, BLUE GREY HERON, MALLARD, SNOWY EGRET, BLACK-NECKED
STILT, TERN (CASPIAN?), KILL DEER, RED-EARED SLIDER, HOUSE SPARROW

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 112 UPPER & Lower

Name of Biologist: JACK Underwood

Date: 01/16/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

DEVELOPED & OPEN WATER OCCURS ADJACENT TO MAINTENANCE AREA

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

AMERICAN CROW, COMMON RAVEN, YELLOW-BUMPED WARBLER, WILLET,
AMERICAN WIGEON, BUFFLEHEAD, ROCK PIGEON, BROWN PELICAN, CORMORANT,
SNOWY EGRET, GREAT EGRET, WESTERN SANDPIPER, MALLARD, RED-TAILED HAWK.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 113

Name of Biologist: Jack Underwood

Date: 08/10/23

Special Permit Conditions:

7-day Avian & 60-day eel grass surveys required prior to maintenance
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):

Reach 113 consists of salt grass - pickleweed marsh, Upland mustards,
California Sagebrush - California buckwheat shrubland, & open water,
Salt grass - pickleweed marsh makes up the majority of the reach besides
open water.

Notable Disturbances (anthropogenic and natural):

Some trash & homeless encampments along reach

Wildlife Compendium:

black-necked stilt, Rock Pigeon, blue grey heron, Double-breasted
cormorant, Mallard, American coot, house finch, American crow, lesser
gold finch.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 113

Name of Biologist: Jack Underwood

Date: N/A

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

N/A

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

NO maintenance work done in the 2023-2024 season.

Wildlife compendium:

N/A

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 114

Name of Biologist: Jack Underwood

Date: 08/11/23

Special Permit Conditions:

7-day Avian & 60-day eel grass surveys required prior to maintenance.
Avian Sensitive Reach: No work permitted March 1 to Sept 15.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Upper portion of reach consists of bulrush-cattail marsh. The rest
of the reach is tidally influenced open water. Castor bean &
Palm trees located along reach

Notable Disturbances (anthropogenic and natural):

Homeless encampments located all along reach. Aggressive off-leash
dogs roam the developed sections of reach w/ trash located
in reach

Wildlife Compendium:

black-necked stilt, rock pigeon, great blue heron, double-breasted
cormorant, mallard, American coot, osprey

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 114

Name of Biologist: JACK

Date: 01/17/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed & open water occur adjacent to maintenance area.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

American Coot, buffle head, American wigeon, California gull, willet, sand piper, Anna's hummingbird, belted kingfisher, northern mockingbird, American crow, house finch.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: Jack Underwood

Date: 08/14/23

Special Permit Conditions:

Sensitive Reach: 7-day Avian, 30-day Herpetofauna, 60-day eelgrass, & bat surveys required. Additional 24-hour herpetofauna survey required prior to maintenance activities for potential green sea turtle & western pond turtle.
Avian sensitive Reach: no work permitted March-Sept 15. Bat surveys not required if maintenance occurs only on the right bank.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach 115 consists of bulrush cattail marsh, & peppertree woodland. The peppertree woodland appears only on the east bank as the west bank has been cleared of this vegetation type. Arundo & castor bean are heavily dispersed throughout the reach. Ailanthus & ash trees also located in reach.

Notable Disturbances (anthropogenic and natural):

Trash & some homeless encampments observed.

Wildlife Compendium:

western gull, California gull, lesser gold finch, house finch, yellow-rumped warbler, European starling, Anna's hummingbird, mallard, American coot, brown pelican, green heron, double breasted cormorant, great egret, snowy egret, black-necked stilt, black-crowned night heron, black phoebe, mourning dove, green sea turtle

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

green sea turtle: seen foraging in the upstream portion of reach 115.

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 115

Name of Biologist: Jack Underwood

Date: 01/17/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, Open water & Pepper tree woodland occurs adjacent to maintenance area.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

Mallard, double breasted cormorant, black-crowned night heron, snowy egret, great egret, American coot, black-necked stilt, grey blue heron, brown pelican, ~~great egret~~, American wigeon, belted kingfisher, Anna's hummingbird, house finch.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 116

Name of Biologist: Jack Underwood

Date: 08/11/23

Special Permit Conditions:

3-day burrowing owl, 7-day Avian, 60-day eel grass surveys required.
Burrowing owl survey only required if habitat is present. Does not have permits
from RWQCB or ACOE. 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):

Reach 116 consists of salt grass - pickleweed marsh, upland mustards, &
tidally influenced open water.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

Mallard, double-breasted cormorant, black phoebe, northern mockingbird,
bush tit, wren tit, Anna's hummingbird, house finch, lesser gold finch,

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 116

Name of Biologist: JACK Underwood

Date: N/A

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

No maintenance work done during the 2023-2024 maintenance season.

Wildlife compendium:

N/A

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 117

Name of Biologist: JACK Underwood

Date: 08/09/23

Special Permit Conditions:

Does NOT have permits from RWQCB or ACOE. 7-day Avian Survey required prior to maintenance. 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):

Reach 117 consists of bulrush-cattail marsh, ornamental, upland mustards, & tidally influenced open water.

Notable Disturbances (anthropogenic and natural):

Some Homeless encampments & off-leashed dogs present

Wildlife Compendium:

house sparrow, American crow, black Phoebe, mallard, great blue heron, brown pelican, rock pigeon, Snowy egret, Killdeer, black necked stilt, western gull, house finch, Canadian goose, Anna's hummingbird, northern rough-winged swallow, red-eared slider, House finch.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 117

Name of Biologist: Jack Underwood

Date: N/A

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

N/A

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

No maintenance work done in the 2023 - 2024 maintenance season

Wildlife compendium:

N/A

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

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: 08/09/23

Special Permit Conditions:

30-day herpetofauna surveys required prior to maintenance occurring.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach 118 consists of arroyo willow shrubland & disturbed riparian woodland - Non-native herbaceous vegetation. Some Ash trees & Prigs & Castor bean present along reach.

Notable Disturbances (anthropogenic and natural):

Part of the channel's retaining wall was falling apart.

Wildlife Compendium:

House Finch, California Towhee, Pacific Slope Flycatcher, Chorus Frog, Song Sparrow, Acorn Woodpecker, Black Phoebe, Hutton's Vireo, House Wren, Lesser Goldfinch, Band-tailed Pigeon, Mallard, Wren-tit.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-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: 01/16/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, disturbed riparian woodland native herb, & arroyo willow shrubland occur adjacent to maintenance areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

California towhee, Spotted towhee, Scaly breasted munia, Allen's humming bird, oak titmouse, lesser goldfinch, red-shouldered hawk, Song sparrow, house finch, yellow rumped warbler, house sparrow, mourning dove

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

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: 08/10/23

Special Permit Conditions:

30-day herpetofauna survey required prior to maintenance occurring.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach 119 consists of Non-native Riparian - Natural Stand, arroyo willow shrubland, & disturbed riparian woodland - non-native herbaceous vegetation, castor bean & ash tree sprigs seen on-site.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

acorn woodpecker, California towhee, American crow, Song Sparrow, Rock Pigeon, black Phoebe, Pacific Slope Flycatcher, Anna's hummingbird, house wren, mallard house Finch, house sparrow

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-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: 01/16/24

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

Developed, arroyo willow shrubland, disturbed riparian woodland - non native herb, & non-native riparian semi-natural stand occurs adjacent to maintained areas.

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

N/A

Wildlife compendium:

California towhee, spotted towhee, scaly breasted munia, Allen's hummingbird, oak titmouse, lesser goldfinch, red-shouldered hawk, Song Sparrow, house finch, yellow rumped warbler, house sparrow, mourning dove.

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 120

Name of Biologist: Jack Underwood

Date: 08/22/23

Special Permit Conditions:

UTS, 7-day Avian, 30-day herpetofauna surveys required prior to maintenance occurring.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach 120 consists of developed, disturbed, ephemeral scoured streambed, mulefat shrubland, scalebroom-buckwheat alluvial shrubland, annual brome grassland & cottonwood forest. No invasives seen.

Notable Disturbances (anthropogenic and natural):

NONE

Wildlife Compendium:

song sparrow, Anna's hummingbird, western fence lizard, lesser goldfinch, white-crowned sparrow, black phoebe, common raven, American crow

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 120

Name of Biologist: JACK Underwood

Date: N/A

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

N/A

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

NO MAINTENANCE WORK DONE DURING THE 2023 - 2024 MAINTENANCE SEASON

Wildlife compendium:

N/A

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 121

Name of Biologist: Jack Underwood

Date: 08/15/23

Special Permit Conditions:

Sensitive Reach. VTS, LBV, SWF, YBC, & Crotch Bumble Bee surveys required prior to maintenance. 7-day avian & 30-day herpetofauna surveys also required prior to maintenance.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach 121 consists of: Cotton wood-willow - mulefat woodland, arroyo willow - giant reed (Arundo) woodland, cotton wood - mulefat woodland, revegetated sagebrush - tamarisk shrubland, scale broom - buckwheat alluvial shrubland, sandbar willow shrubland, & scoured streambed. Arundo & Castor bean present on-site.

Notable Disturbances (anthropogenic and natural):

None

Wildlife Compendium:

California scrub Jay, Anna's hummingbird, mourning dove, Rock Pigeon, wren-tit, house finch, bushtit, common raven, lesser gold finch.

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 121

Name of Biologist: JACK UNDERWOOD

Date: N/A

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

N/A

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

NO MAINTENANCE WORK WAS PERFORMED DURING THE 2023-2024 SEASON.

Wildlife compendium:

N/A

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

Biological Resources
POST-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 122

Name of Biologist: Steve Morris

Date: January 6, 2024

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

N/A

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:
No maintenance work was performed during the 2023-2024 season.

Wildlife compendium: N/A

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):
N/A

Issues and/or recommendations (continue on the back if needed): N/A

Biological Resources
PRE-MAINTENANCE SURVEY FORM

Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program

Reach Number: 123

Name of Biologist: JACK Underwood

Date: 08/25/23

Special Permit Conditions:

NOT Permitted.

Vegetation Types (briefly describe vegetation including approx. % relative non-native cover and list non-native plant species):

Reach consists of arroyo willow, cottonwood woodland, & mulefat / sagebrush shrubland.

Notable Disturbances (anthropogenic and natural):

N/A

Wildlife Compendium:

WESTERN SCRUBJAY, SPOTTED TOWHEE, ANNA'S HUMMINGBIRD, LESSER GOLD FINCH, CALIFORNIA TOWHEE, CALIFORNIA QUAIL, AMERICAN CROW, COMMON RAVEN

Observation of Special Status Species:

YES

NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

**Biological Resources
POST-MAINTENANCE SURVEY FORM**

**Los Angeles County Public Works
Flood Control District
Soft Bottom Channel Maintenance Program**

Reach Number: 123

Name of Biologist: JACK UNDERWOOD

Date: N/A

Vegetation types occurring adjacent to maintenance area. If invasives were removed, estimate amount (number of individuals or acres):

N/A

Compliance with permit conditions: Full Partial

If partial permit compliance, describe circumstances/current site conditions:

No maintenance work was performed during the 2023-2024 season

Wildlife compendium:

N/A

Observation of Special Status Species: YES NO

Special Status Species (list species and describe observation [e.g., breeding, foraging, plant phenology, etc.]):

N/A

Issues and/or recommendations (continue on the back if needed):

N/A

ATTACHMENT NO. 4
BIOLOGICAL SURVEYS AND REPORTS

**RESULT OF BIOLOGICAL MONITORING AT
REACH 115 SAN GABRIEL RIVER SOFT-BOTTOM
CHANNEL REACH DURING ALL WORK OPERATIONS**

MEMORANDUM

July 3, 2024

To:
Sarah Ahmed
Los Angeles County Flood Control District
Stormwater Maintenance Division

From:
Marc Blain
Psomas

Subject: 2023-2024 Biological Monitoring at Reach 115 During All Work Operations

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 10, 2023 to December 16, 2023, and from May 15, 2024 to June 4, 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 top. 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 (west side of the river) 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

Prior to initiating work activities in the 2023-2024 season, Psomas Biologist Jack Underwood conducted a pre-maintenance survey on August 11, 2023. Mr. Underwood walked the entire Project site taking pre-clearing photos (Exhibits 2a-1 to 2a-4), and making note of the dominant vegetation regrowth, species composition, and any noxious invasive species present in the reach.

Maintenance activities at Reach 115 commenced on October 10, 2023 and consisted of one Los Angeles County Public Works (LACPW) crew. On November 20, 2023, LADPW sub-contractor, Oakridge Landscape inc. (Oakridge) began working on Reach 115 South of the 405 freeway. Both the LADPW crew and Oakridge crew worked solely on the right bank removing all vegetation (consisting of primarily non-native shrubs and invasive and herbaceous species). Before work began, a retaining boom was

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July 3, 2024
Page 2

installed by the LACDPW's sub-contractor, "Ocean Blue" to prevent any potential soils and/or cut vegetation debris to flow freely into the channel. A qualified Psomas biologist was onsite during all maintenance activities as well as boom repositioning to document the potential impacts (e.g., possible removal of eel grass from the bottom of the channel, negative impacts to green sea turtles, etc.).

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, as well as closely watching for green sea turtle activity. If any potential for impacts were observed, the biologist would halt work temporarily to mitigate the potential impacts. Once the potential impacts were 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 site sweep were used to establish a baseline population estimate. The on-site biologist would conduct a pre-maintenance site sweep and establish a count for the number of sea turtles within the area. This count although a daily one-time event, provided 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 from the initial count.

Starting May 15, 2024, maintenance work to repair the rip rap along the slope and toe of the slope commenced. This work was conducted on the west bank at the top end of Reach 115. This work was done by Angeles Contractor, INC., a subcontractor for LACDPW. The crew from Angeles Contractor INC, utilized heavy equipment such as an excavator and a loader to build up and repair the rip-rap along the toe and the slope of the channel (Exhibit 2b-4). The contractor's scope of work consisted of using large rock to reconstruct the toe and slope of the channel. They accomplished this task by pushing out rock into the channel and also placing rock along the slope with an excavator. This task was monitored closely due to the high presence of green sea turtles within the reach.

During the 2023-2024 maintenance season, work was halted only during the period of channel repair due to the high presence of sea turtles active within 50 ft of the work area. No green sea turtles were impacted by the maintenance or repair work.

RESULTS

During the maintenance work for Reach 115 that occurred from October 10 to December 16, 2023, a total of 195 sea turtle sightings were observed during the daily pre-maintenance site sweeps. Approximately 5 turtle sightings were seen on average during the daily site sweep. The lowest number of sightings in a single sweep was 1, while the greatest was 15.

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July 3, 2024
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During the repair work that occurred from May 15 to June 4, approximately 5-15 green sea turtles were observed daily during the biological monitoring.

Again, 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. Work activities were completed on June 4, 2024. All vegetation was removed from the right bank (west side of the river), and the slope and rip-rap were fully repaired. Upon this completion, a post-maintenance vegetation survey was conducted by Psomas biologist Jack Underwood on January 17, 2024. Photos of the channel repair work were taken of the completed section on June 10, 2024. Photos of Reach 115 were taken in the same geographic location as the pre-maintenance photos to show the completed work. (Exhibits 2c-1 to 2c-4)

Enclosures: Exhibit 1
Exhibits 2a-2c

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Regional Location and Local Vicinity

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

Exhibit 1



0 2,000 4,000
Feet



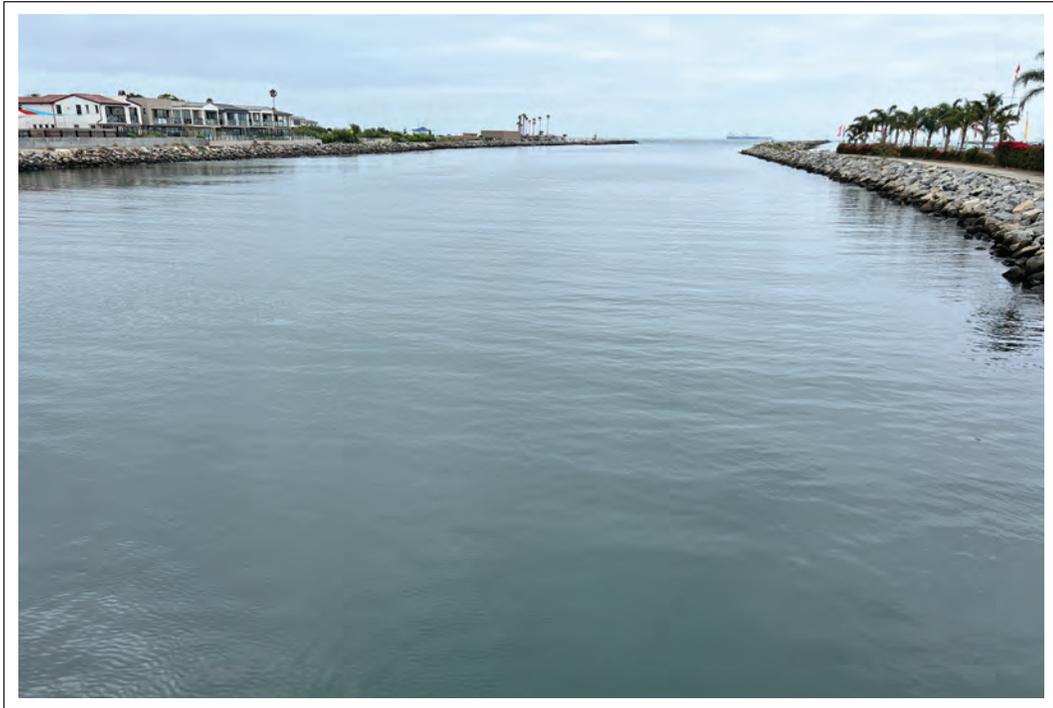


Photo 1. Reach 115 Pre-Maintenance.

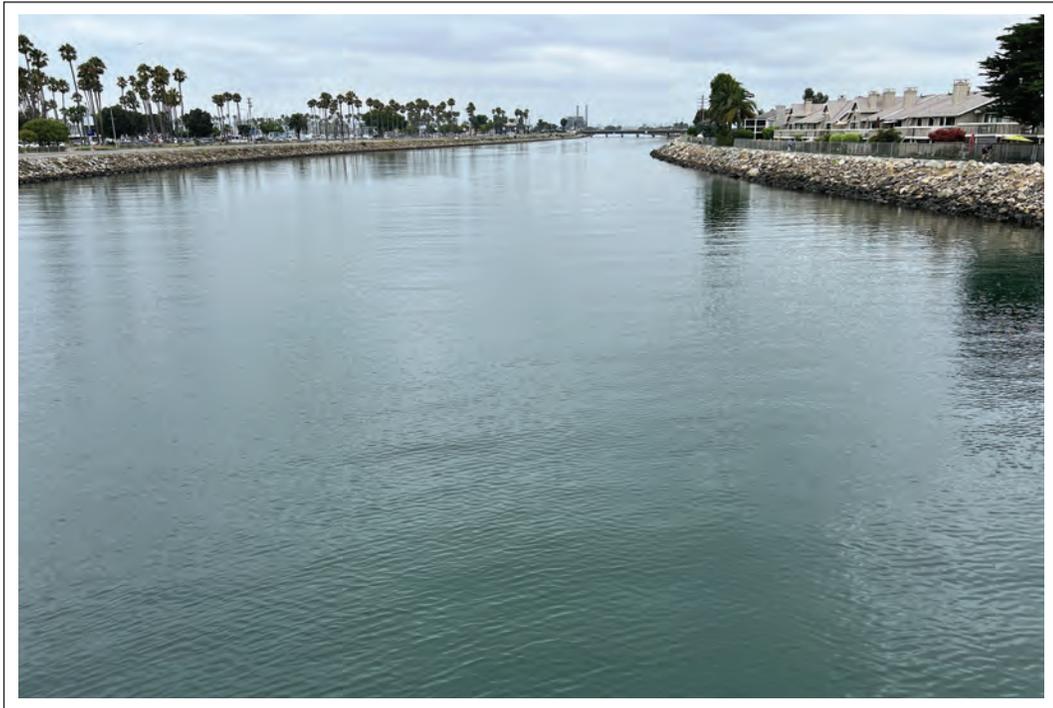


Photo 2. Reach 115 Pre-Maintenance.

Pre-Maintenance Photos

Exhibit 2a-1

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115



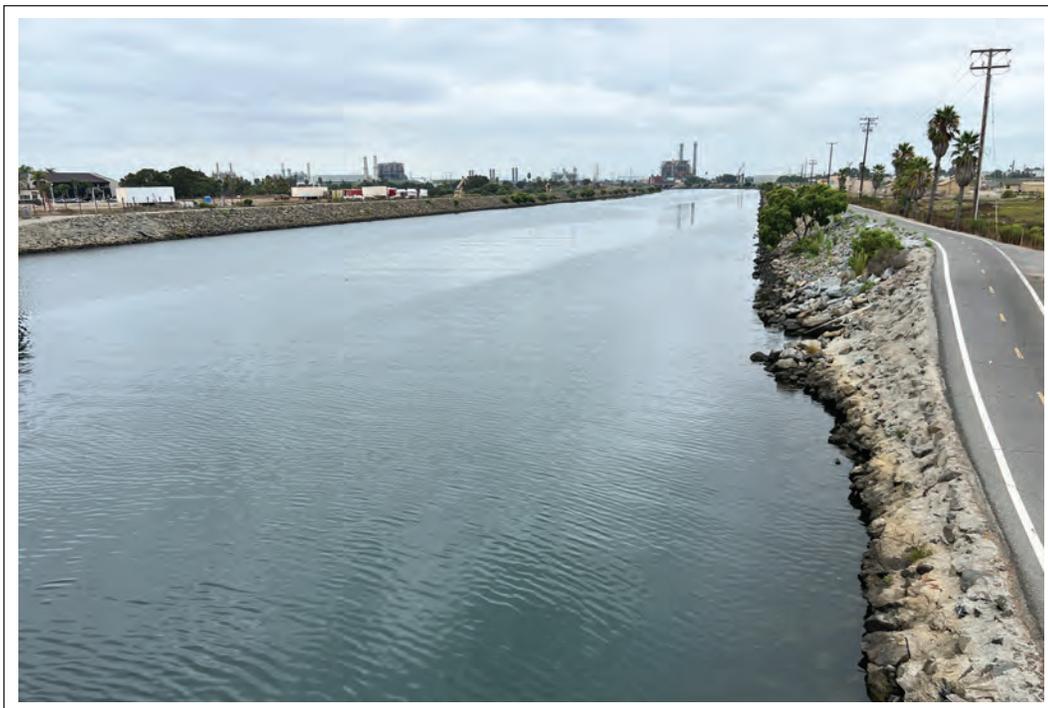


Photo 3. Reach 115 Pre-Maintenance.



Photo 4. Reach 115 Pre-Maintenance.

D:\Projects\COL\ADPW\Reaches\PhotoExhibit\Reach115_Memo\ex_Pre-Maintenance_P2.ai

Pre-Maintenance Photos

Exhibit 2a-2

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115





Photo 5. Reach 115 Pre-Maintenance.



Photo 6. Reach 115 Pre-Maintenance.

D:\Projects\COL\ADPW\Reaches\PhotoExhibit\Reach115_Memo\ex_Pre-Maintenance_P3.ai

Pre-Maintenance Photos

Exhibit 2a-3

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115





Photo 7. Reach 115 Pre-Maintenance.

D:\Projects\COL\ADPW\Reaches\Photo\Exhibit\Reach115_Memo\ex_Pre-Maintenance_P4.ai

Pre-Maintenance Photos

Exhibit 2a-4

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115





Photo 1. View of the LADPW's subcontractor, Ocean Blue, repositioning the boom.



Photo 2. View of the LADPW crew members removing vegetation such as arundo and other herbaceous species within the work area.

Maintenance Monitoring Photos

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

Exhibit 2b-1





Photo 3. View of the LADPW crew members cutting and bagging castor bean seeds within the boom area.



Photo 4. View of the LADPW crew members removing and stockpiling vegetation.

Maintenance Monitoring Photos

Exhibit 2b-2

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115





Photo 5. View of a green sea turtle swimming within the reach 115 channel.



Photo 6. View of the LADPW crew using heavy machinery to remove cut vegetation from the riprap.

Maintenance Monitoring Photos

Exhibit 2b-3

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115





Photo 7. View of Angeles Contractor INC. loader depositing rock along the toe of the slope for channel repair work.

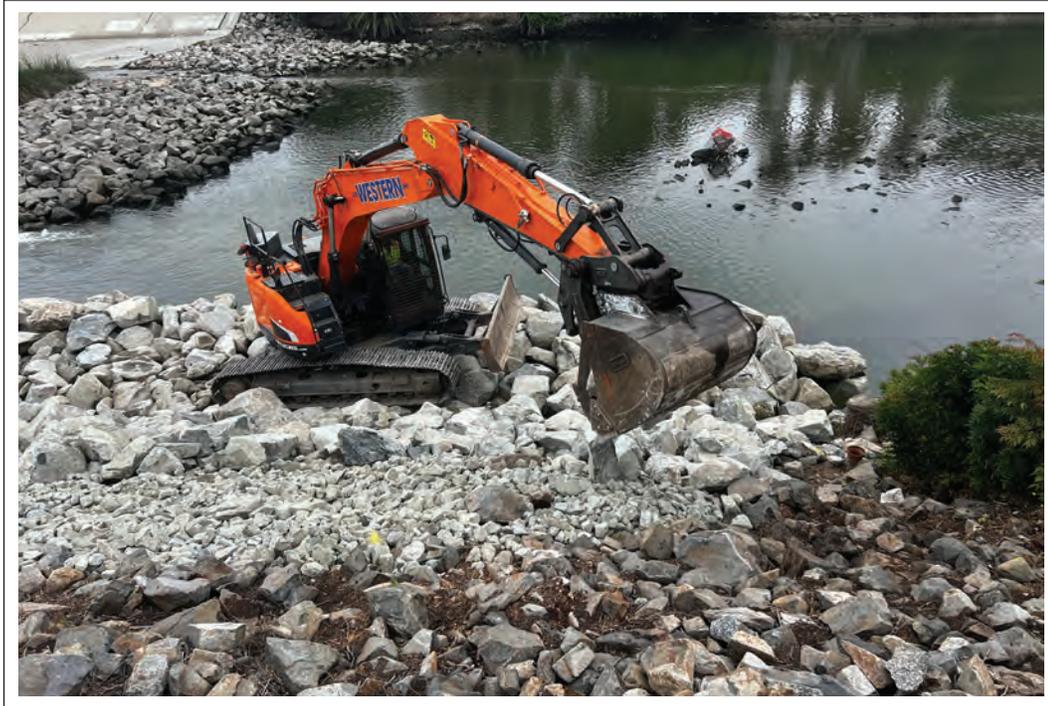


Photo 8. View of Angeles Contractor INC. Excavator placing rock on the slope of the reach 115 channel for the channel repair work.

Maintenance Monitoring Photos

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115

Exhibit 2b-4





Photo 1. Reach 115 Post-Maintenance.



Photo 2. Reach 115 Post-Maintenance.

Post-Maintenance Photos

Exhibit 2c-1

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115



D:\Projects\COL\ADPW\Reaches\PhotoExhibit\Reach115_Memo\ex_Post-Maintenance_P2.ai

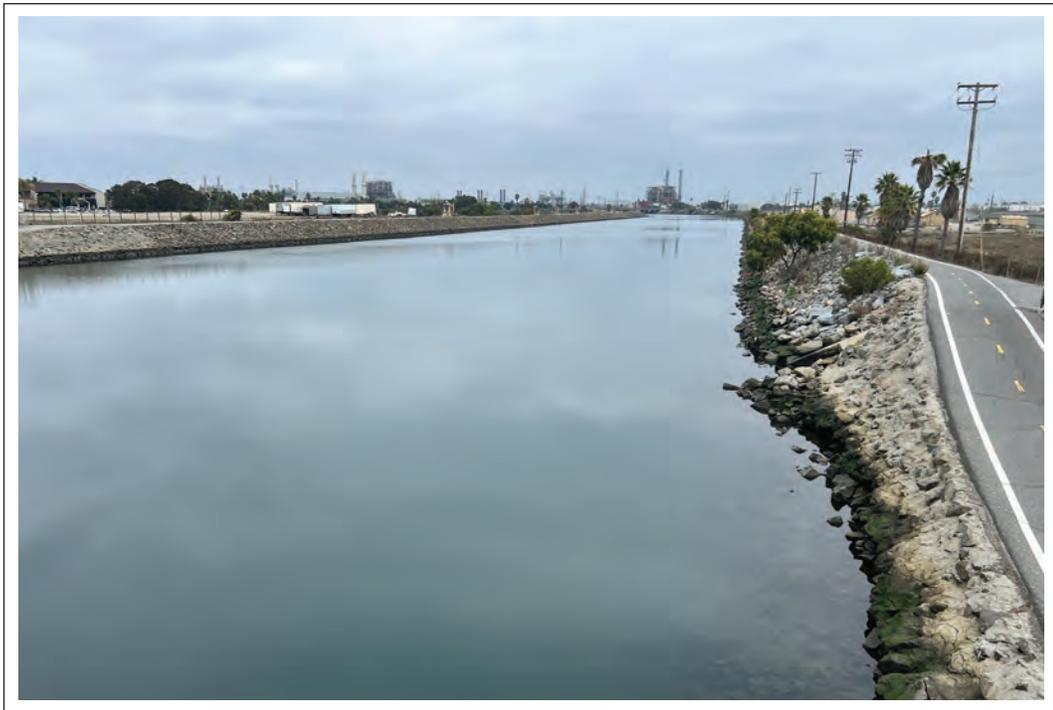


Photo 3. Reach 115 Post-Maintenance.

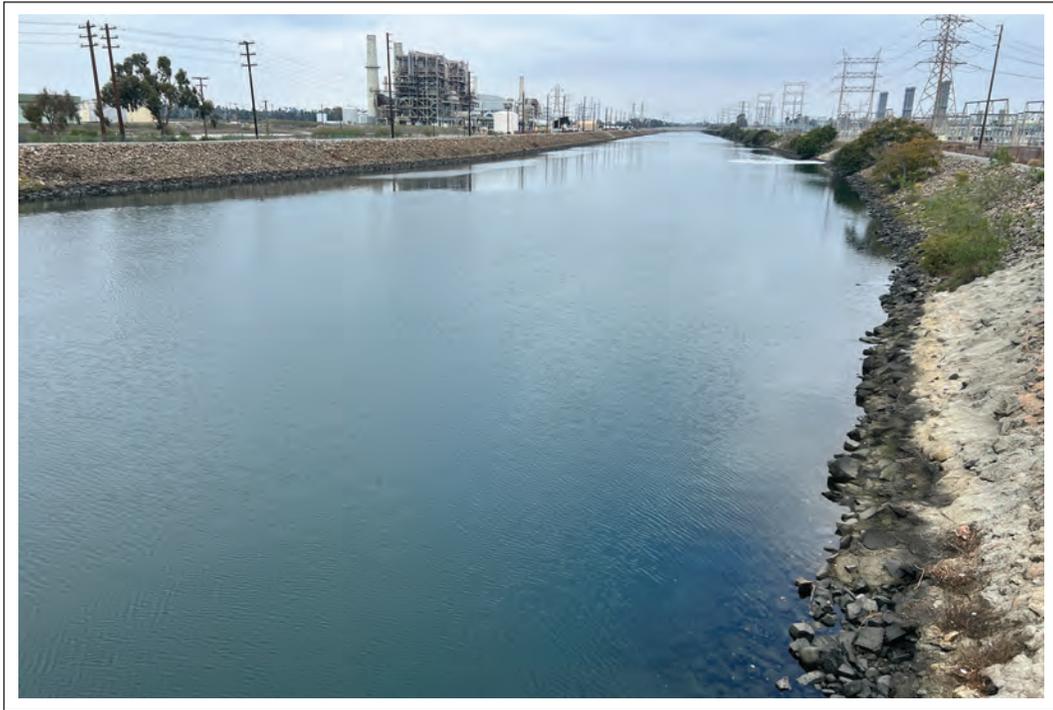


Photo 4. Reach 115 Post-Maintenance.

Post-Maintenance Photos

Exhibit 2c-2

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115



D:\Projects\COL\ADPW\Reaches\PhotoExhibit\Reach115_Memo\ex_Post-Maintenance_P3.ai



Photo 5. Reach 115 Post-Maintenance.



Photo 6. Reach 115 Post-Maintenance/Repair.

Post-Maintenance Photos

Exhibit 2c-3

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115





Photo 7. Reach 115 Post-Maintenance/Repair.

D:\Projects\COL\ADPW\Reaches\Photo\Exhibit\Reach115_Memo\ex_Post-Maintenance_P4.ai

Post-Maintenance Photos

Exhibit 2c-4

Biological Monitoring at San Gabriel River Soft-Bottom Channel Reach 115



ATTACHMENT NO. 5
2023-2024 SOFT-BOTTOM CHANNEL PRE- AND
POST-MAINTENANCE PHOTOS

2023-2024 Soft Bottom Channels

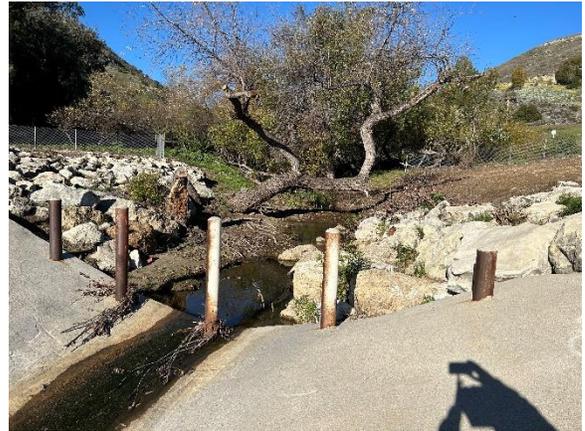
Reach 1

Bell Creek — MTD 963 M.C.I.

Before Photos 8/15/23



After Photos 1/6/24



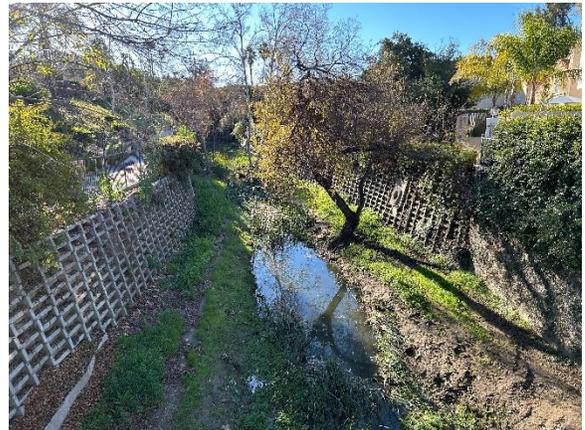
2023-2024 Soft Bottom Channels

Reach 2

Dry Canyon (Calabasas) P.D. T1845

Before Photos 8/15/23

After Photos 1/6/24



2023-2024 Soft Bottom Channels

Reach 3

Santa Susana Creek M.C.I.

Before Photos 08/15/23

After Photos 02/17/24



2023-2024 Soft Bottom Channels

Reach 4

Browns Creek

Before Photos 08/15/23

After Photos 02/17/24



2023-2024 Soft Bottom Channels

Reach 5

Caballero Creek M.C.I. (West Fork)

Before Photos 08/19/23

After Photos 01/06/24



2023-2024 Soft Bottom Channels

Reach 6

Caballero Creek M.C.I. (East Fork)

Before Photos 08/19/23



After Photos 01/06/24



2023-2024 Soft Bottom Channels

Reach 7

Bull Creek M.C.O.

Before Photos 08/29/23

After Photos 01/02/24



2023-2024 Soft Bottom Channels

Reach 8

Hayvenhurst Drain — Project 470 Outlet

Before Photos 08/15/23



After Photos 01/06/24



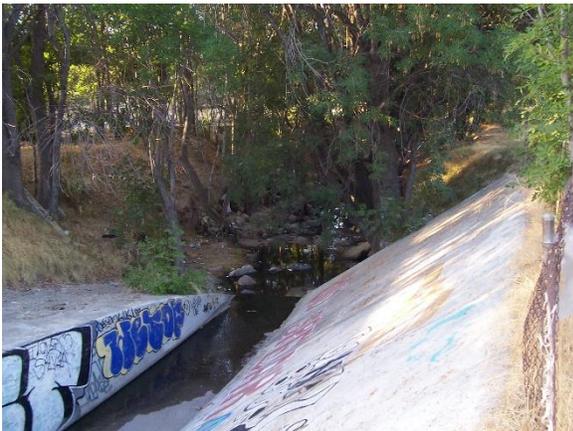
2023-2024 Soft Bottom Channels

Reach 9

Project 106 Outlet

Before Photos 08/15/23

After Photos 01/02/24



2023-2024 Soft Bottom Channels

Reach 10

Project No. 469

Before Photos 08/15/23

After Photos 02/17/24



2023-2024 Soft Bottom Channels

Reach 10

Project No. 469

Before Photos 08/15/23



After Photos 02/17/24



2023-2024 Soft Bottom Channels

Reach 12

Los Angeles River

Before Photos 8/30/23

After Photos 04/11/24



2023-2024 Soft Bottom Channels

Reach 13

Project No. 5215 Unit 1

Before Photos 08/30/23

After Photos 04/11/24



2023-2024 Soft Bottom Channels

Reach 14

May Channel (M.C.O. into Pacoima Canyon)

Before Photos 08/30/23

After Photos 04/16/24



2023-2024 Soft Bottom Channels

Reach 15

Pacoima Wash

Before Photos 08/15/23

After Photos 01/02/24



2023-2024 Soft Bottom Channels

Reach 15

Pacoima Wash

Before Photos 08/15/23

After Photos 01/02/24



2023-2024 Soft Bottom Channels

Reach 16

Verdugo Wash — Las Barras Canyon (Channel Inlet)

Before Photos 08/16/23

After Photos 02/26/24



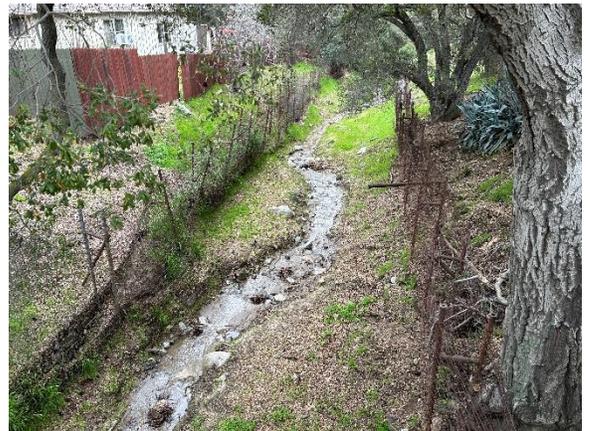
2023-2024 Soft Bottom Channels

Reach 18

Engleheard Channel

Before Photos 08/16/23

After Photos 02/26/24



2023-2024 Soft Bottom Channels

Reach 19

Pickens Canyon

Before Photos 08/16/23

After Photos 02/26/24



2023-2024 Soft Bottom Channels

Reach 20

Webber Channel (Storm at Private Bridge)

Before Photos 08/16/23

After Photos 02/26/24



2023-2024 Soft Bottom Channels

Reach 21

Webber Channel (Main Channel Inlet d/s Bridge)

Before Photos 08/16/23

After Photos 02/26/24



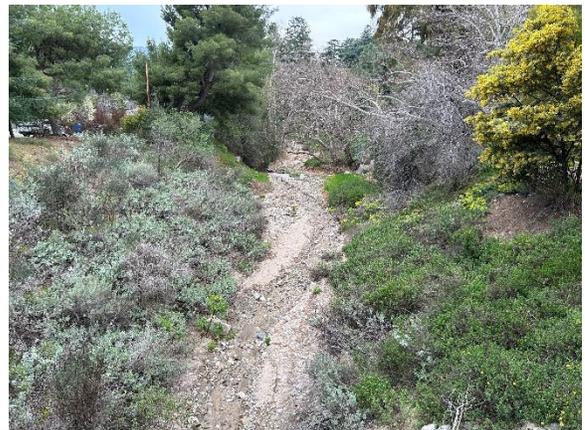
2023-2024 Soft Bottom Channels

Reach 22

Halls Canyon

Before Photos 08/16/23

After Photos 02/26/24



2023-2024 Soft Bottom Channels

Reach 24

Compton Creek

Before Photos 8/26/23

After Photos 11/26/23



2023-2024 Soft Bottom Channels

Reach 24

Compton Creek

Before Photos 8/26/23



After Photos 11/26/23



2023-2024 Soft Bottom Channels

Reach 25a

Los Angeles River — Willow to PCH (East/Left Bank)

Before Photos 8/25/23

After Photos 11/18/22



2023-2024 Soft Bottom Channels

Reach 25a

Los Angeles River — Willow to PCH (East/Left Bank)

Before Photos 8/25/23

After Photos 11/18/22



2023-2024 Soft Bottom Channels

Reach 25b

Los Angeles River — Willow to PCH (West/Right Bank)

Before Photos 08/25/23

After Photos 02/28/24



2023-2024 Soft Bottom Channels

Reach 25b

Los Angeles River — Willow to PCH (West/Right Bank)

Before Photos 08/25/23

After Photos 02/28/24



2023-2024 Soft Bottom Channels

Reach 26

Project 740

Before Photos 8/26/23

After Photos 11/26/23



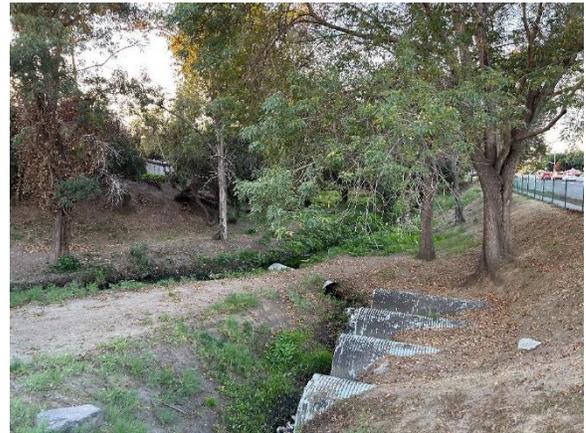
2023-2024 Soft Bottom Channels

Reach 26

Project 740

Before Photos 8/26/23

After Photos 11/26/23



2023-2024 Soft Bottom Channels

Reach 27

Wilmington Drain (110 Freeway to s/o PCH)

Before Photos 08/29/23

After Photos 03/27/24



2023-2024 Soft Bottom Channels

Reach 27

Wilmington Drain (110 Freeway to s/o PCH)

Before Photos 08/29/23

After Photos 03/27/24



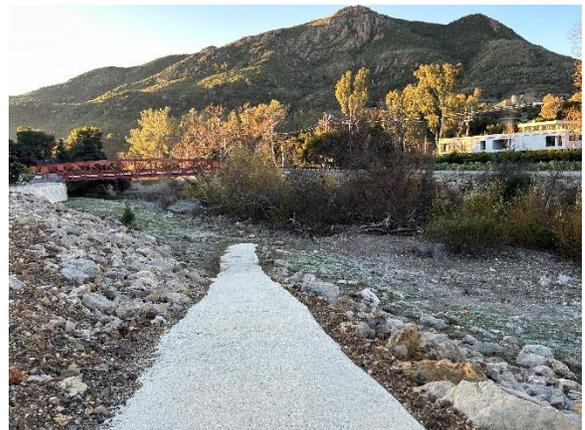
2023-2024 Soft Bottom Channels

Reach 28

Triunfo Creek (P.D. T2200)

Before Photos 08/19/23

After Photos 01/06/24



2023-2024 Soft Bottom Channels

Reach 29

Las Virgenes Creek (P.D. T1684) M.C.I.

Before Photos 08/19/23

After Photos 02/17/24



2023-2024 Soft Bottom Channels

Reach 32

Stokes Canyon Channel (P.D. T043)

Before Photos 08/19/23

After Photos 02/17/24



2023-2024 Soft Bottom Channels

Reach 32

Stokes Canyon Channel (P.D. T043)

Before Photos 08/20/22



After Photos 02/17/24



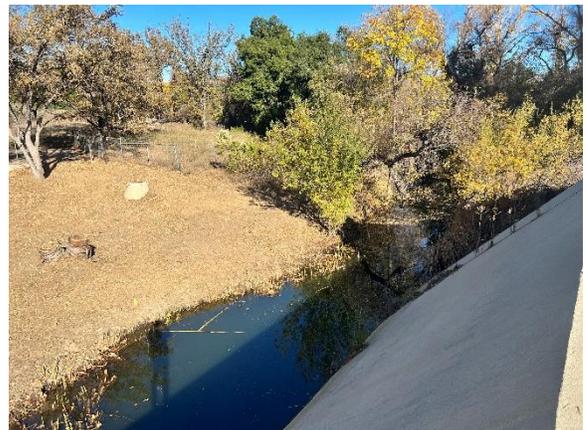
2023-2024 Soft Bottom Channels

Reach 33

Medea Creek (P.D. T1378 U.2)

Before Photos 8/19/23

After Photos 12/14/23



2023-2024 Soft Bottom Channels

Reach 35

Medea Creek Main Channel Inlet — Under Route 101

Before Photos 08/19/23

After Photos 01/06/24



2023-2024 Soft Bottom Channels

Reach 36

Cheseboro Main Channel Inlet

Before Photos 08/19/23

After Photos 01/06/24



2023-2024 Soft Bottom Channels

Reach 37

Medea Creek/Cheseboro Creek Outlet

Before Photos 08/19/23

After Photos 01/06/24



2023-2024 Soft Bottom Channels

Reach 38

Lindero Main Channel Outlet

Before Photos 08/19/23



After Photos 01/06/24



2023-2024 Soft Bottom Channels

Reach 39

Beatty Channel Outlet at SGR 25+99.00

Before Photos 08/17/23

After Photos N/A



No Work Done



No Work Done



No Work Done

2023-2024 Soft Bottom Channels

Reach 39

Beatty Channel Outlet at SGR 25+99.00

Before Photos 8/17/23

After Photos N/A



No Work Done

2023-2024 Soft Bottom Channels

Reach 40a

San Gabriel River — Santa Fe Dam to I-10 Freeway

Before Photos 08/21/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 40a

San Gabriel River — Santa Fe Dam to I-10 Freeway

Before Photos 08/21/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 40b

San Gabriel River — I-10 Freeway to Thienes Avenue

Before Photos 08/21/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 40b

San Gabriel River — I-10 Freeway to Thienes Avenue

Before Photos 08/21/23

After Photos 03/22/24



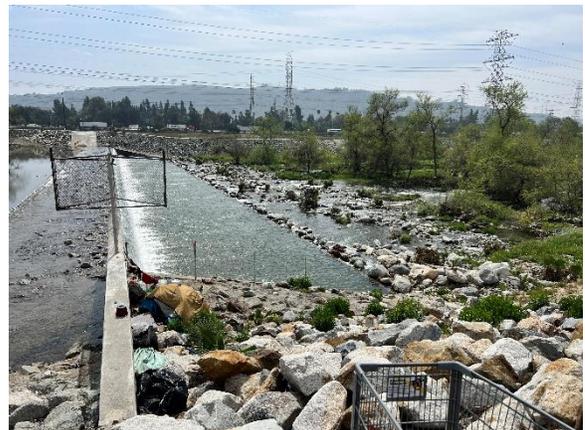
2023-2024 Soft Bottom Channels

Reach 40b

San Gabriel River — I-10 Freeway to Thienes Avenue

Before Photos 08/21/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 40b

San Gabriel River — I-10 Freeway to Thienes Avenue

Before Photos 08/21/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 41

Walnut Creek — Baldwin Park to San Gabriel River

Before Photos 08/18/23

After Photos 02/26/24



2023-2024 Soft Bottom Channels

Reach 42

San Jose Creek d/s 1000 feet from end of concrete channel

Before Photos 08/19/22

After Photos 01/31/24



2023-2024 Soft Bottom Channels

Reach 43a

San Gabriel River — Upper

Before Photos 08/17/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 43a

San Gabriel River — Upper

Before Photos 08/17/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 43b

San Gabriel River — Lower

Before Photos 08/17/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 43b

San Gabriel River — Lower

Before Photos 08/17/23



After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 44

San Gabriel River — Rubber Dams

Before Photos 08/21/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 44

San Gabriel River — Rubber Dams

Before Photos 08/21/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 44

San Gabriel River — Rubber Dams

Before Photos 08/21/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 44

San Gabriel River — Rubber Dams

Before Photos 08/21/23

After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 44

San Gabriel River — Rubber Dams

Before Photos 08/21/23



After Photos 03/22/24



2023-2024 Soft Bottom Channels

Reach 47

Santa Clara River Main Channel (P.D. T1733-Unit 1)

Before Photos 08/23/23

After Photos 01/02/24



2023-2024 Soft Bottom Channels

Reach 47

Santa Clara River Main Channel (P.D. T1733-Unit 1)

Before Photos 08/23/23



After Photos 01/02/24



2023-2024 Soft Bottom Channels

Reach 48

Mint Canyon Channel between Sierra Highway & Adon Avenue

Before Photos 08/23/23

After Photos 01/02/23



2023-2024 Soft Bottom Channels

Reach 49

Mint Canyon Channel between Adon Avenue & Scherzinger Lane

Before Photos 08/23/23

After Photos 01/02/23



2023-2024 Soft Bottom Channels

Reach 51

Mint Canyon M.C.O. (P.D. 1894)/Santa Clara River — Main Channel

Before Photos 8/23/23

After Photos 01/02/23



2023-2024 Soft Bottom Channels

Reach 53

Santa Clara River Non-Main Channel (P.D. 832) Main Channel Inlet

Before Photos 8/23/23

After Photos 01/02/23



2023-2024 Soft Bottom Channels

Reach 54

Santa Clara River Non-Main Channel (P.D. 832) Main Outlet Channel

Before Photos 8/23/23

After Photos 01/02/23



2023-2024 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 8/23/23

After Photos 04/15/24



2023-2024 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 8/23/23

After Photos 04/15/24



2023-2024 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 8/23/23



After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 56

Santa Clara River Main Channel — Left Bank Reach (P.D. 832)

Before Photos 08/15/23

After Photos 01/02/24



2023-2024 Soft Bottom Channels

Reach 58 (combined with Reach 59)

Santa Clara River Main Channel — Right Bank Reach (P.D. 374)

Before Photos 08/23/23

After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 58 (combined with Reach 59)

Santa Clara River Main Channel — Right Bank Reach (P.D. 374)

Before Photos 08/23/23

After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 60

Santa Clara River Main Channel — Right Bank Reach (P.D.'s 1339 and 374)

Before Photos 08/23/23

After Photos 04/15/24



2022-2023 Soft Bottom Channels

Reach 61 (combined with Reach 62)

Santa Clara River Main Channel (P.D.'s 659 and 754)

Before Photos 08/23/22

After Photos 01/02/24



2022-2023 Soft Bottom Channels

Reach 61 (combined with Reach 62)

Santa Clara River Main Channel (P.D.'s 659 and 754)

Before Photos 08/23/22

After Photos 01/02/24



2023-2024 Soft Bottom Channels

Reach 63

Oak Avenue Road Drainage (CDR 523.081)

Before Photos 08/23/23

After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 64

Soledad Canyon Road Drainage (CDR 523.071 D Outlet)

Before Photos 08/23/23

After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 66

Santa Clara River Main Channel (P.D. 1538)

Before Photos 08/23/23

After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 67

Bouquet Canyon Upper (P.D.'s 1201, 802, 700B, and 625)

Before Photos 08/24/23

After Photos 01/05/24



2023-2024 Soft Bottom Channels

Reach 69

Bouquet Canyon Middle (P.D.'s 722, 773, 1365, 1065, and 451)

Before Photos 08/24/23

After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 70

Bouquet Canyon Lower (P.D.'s 544 and 345)

Before Photos 08/24/23

After Photos 01/05/24



2023-2024 Soft Bottom Channels

Reach 70

Bouquet Canyon Lower (P.D.'s 544 and 345)

Before Photos 08/24/23



After Photos 01/05/24



2023-2024 Soft Bottom Channels

Reach 71

Santa Clara River Main Channel (P.D. 1946)

Before Photos 08/14/23

After Photos 01/18/24



2023-2024 Soft Bottom Channels

Reach 72

South Fork — SCR (Smizer Ranch Main Channel Inlet)

Before Photos 08/24/23

After Photos 01/10/24



2023-2024 Soft Bottom Channels

Reach 73

Wildwood Canyon Channel (P.D. T361) Main Channel Inlet

Before Photos 08/24/23

After Photos 01/10/24



2023-2024 Soft Bottom Channels

Reach 75

South Fork — Santa Clara River (P.D.'s 725, 916, 1041, and 1300)

Before Photos 08/14/23

After Photos 01/18/24



2023-2024 Soft Bottom Channels

Reach 75

South Fork — Santa Clara River (P.D.'s 725, 916, 1041, and 1300)

Before Photos 08/14/23

After Photos 01/18/24



2023-2024 Soft Bottom Channels

Reach 75

South Fork — Santa Clara River (P.D.'s 725, 916, 1041, and 1300)

Before Photos 08/14/23

After Photos 01/18/24



2023-2024 Soft Bottom Channels

Reach 75

South Fork — Santa Clara River (P.D.'s 725, 916, 1041, and 1300)

Before Photos 08/14/23

After Photos 01/18/24



2023-2024 Soft Bottom Channels

Reach 75

South Fork — Santa Clara River (P.D.'s 725, 916, 1041, and 1300)

Before Photos 08/14/23



After Photos 01/18/24



2023-2024 Soft Bottom Channels

Reach 76

Pico Canyon (P.D. 813)

Before Photos 8/17/23

After Photos 01/02/24



2023-2024 Soft Bottom Channels

Reach 77

Newhall Creek Outlet

Before Photos 08/17/23

After Photos 01/02/24



2023-2024 Soft Bottom Channels

Reach 78

Placerita Creek

Before Photos 08/17/23

After Photos 01/02/24



2023-2024 Soft Bottom Channels

Reach 79

South Fork — Santa Clara River (Valencia Boulevard Bridge Stabilizer)

Before Photos 08/24/23

After Photos 01/10/24



2023-2024 Soft Bottom Channels

Reach 80

South Fork — Santa Clara River (P.D.'s 1947 and 1946)

Before Photos 8/24/23

After Photos 01/10/24



2023-2024 Soft Bottom Channels

Reach 80

South Fork — Santa Clara River (P.D.'s 1947 and 1946)

Before Photos 8/24/23



After Photos 01/10/24



2023-2024 Soft Bottom Channels

Reach 82

Santa Clara River Main Channel (P.D. 2278)

Before Photos 08/24/23

After Photos 01/10/24



2023-2024 Soft Bottom Channels

Reach 82

Santa Clara River Main Channel (P.D. 2278)

Before Photos 8/22/22



After Photos 01/10/24



2022-2023 Soft Bottom Channels

Reach 86

Violin Canyon Main Channel Outlet

Before Photos 8/15/22



After Photos 11/14/22



2022-2023 Soft Bottom Channels

Reach 87

Castaic — Old Road Drainage (CDR 525.021D) Outlet

Before Photos 8/15/22



After Photos 11/4/22



2022-2023 Soft Bottom Channels

Reach 88

Hasley Canyon Upper (P.D. T1496)

Before Photos 8/15/22

After Photos 11/14/22



2022-2023 Soft Bottom Channels

Reach 89

Hasley Canyon South Fork (P.D. T1496)

Before Photos 8/15/22



After Photos 11/14/22



2022-2023 Soft Bottom Channels

Reach 90

Hasley Canyon Lower (North Fork P.D. T1496)

Before Photos 8/15/22

After Photos 11/14/22



2022-2023 Soft Bottom Channels

Reach 91

San Martinez Chiquito Canyon Channel u/s of Keningston Road

Before Photos 8/15/22

After Photos 11/14/22



2022-2023 Soft Bottom Channels

Reach 92

San Martinez Chiquito Canyon (North Fork) Unnamed

Before Photos 8/15/22

After Photos 11/14/22



2022-2023 Soft Bottom Channels

Reach 93

San Martinez Chiquito Canyon between Kenningston Road and Val Verde Park

Before Photos 8/15/22

After Photos 11/14/22



2022-2023 Soft Bottom Channels

Reach 94

San Martinez Chiquito Canyon between Val Verde Park and d/s of Madison Street

Before Photos 8/15/22

After Photos 11/14/22



2022-2023 Soft Bottom Channels

Reach 94

San Martinez Chiquito Canyon between Val Verde Park and d/s of Madison Street

Before Photos 8/15/22



After Photos 11/14/22



2023-2024 Soft Bottom Channels

Reach 95

Project No. 1224

Before Photos 08/23/23

After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 95

Project No. 1224

Before Photos 08/23/23



After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 96

PD 1591, Calabasas

Before Photos 08/31/23

After Photos 3/31/23



2022-2023 Soft Bottom Channels

Reach 97

P.D. T1982, Castaic Creek

Before Photos 8/15/22

After Photos 11/4/22



2023-2024 Soft Bottom Channels

Reach 98

Walnut Creek — Channel Inlet

Before Photos 08/17/23

After Photos 03/22/24



2022-2023 Soft Bottom Channels

Reach 99

Kagel Canyon — Tujunga Wash

Before Photos 8/17/22

After Photos 6/8/23



2022-2023 Soft Bottom Channels

Reach 99

Kagel Canyon — Tujunga Wash

Before Photos 8/17/22

After Photos 6/8/23



2022-2023 Soft Bottom Channels

Reach 100

Dry Canyon, Calabasas Creek Inlet

Before Photos 8/20/22

After Photos 1/12/23



2023-2024 Soft Bottom Channels

Reach 101

Violin Canyon (P.D. 2312)

Before Photos 08/24/23

After Photos 01/05/24



2022-2023 Soft Bottom Channels

Reach 101

Violin Canyon (P.D. 2312)

Before Photos 08/24/23



After Photos 01/05/24



2023-2024 Soft Bottom Channels

Reach 102

Violin Canyon (P.D. 2275)

Before Photos 08/24/23

After Photos 01/05/24



2023-2024 Soft Bottom Channels

Reach 102

Violin Canyon (P.D. 2275)

Before Photos 08/24/23

After Photos 01/05/24



2023-2024 Soft Bottom Channels

Reach 102

Violin Canyon (P.D. 2275)

Before Photos 08/24/23



After Photos 01/05/24



2023-2024 Soft Bottom Channels

Reach 103

Bouquet Canyon Channel (P.D. 2225)

Before Photos 08/15/23

After Photos 03/21/24



2023-2024 Soft Bottom Channels

Reach 103

Bouquet Canyon Channel (P.D. 2225)

Before Photos 08/15/23

After Photos 03/21/24



2023-2024 Soft Bottom Channels

Reach 103

Bouquet Canyon Channel (P.D. 2225)

Before Photos 08/15/23

After Photos 03/21/24



2023-2024 Soft Bottom Channels

Reach 104

Castaic Creek (P.D. 2441 Unit 2)

Before Photos 08/24/23

After Photos 01/10/24



2023-2024 Soft Bottom Channels

Reach 104

Castaic Creek (P.D. 2441 Unit 2)

Before Photos 08/24/23

After Photos 01/10/24



2023-2024 Soft Bottom Channels

Reach 105

San Francisquito Canyon Channel (P.D. 2456)

Before Photos 08/15/23

After Photos 01/18/24



2023-2024 Soft Bottom Channels

Reach 105

San Francisquito Canyon Channel (P.D. 2456)

Before Photos 08/15/23

After Photos 01/18/24



2023-2024 Soft Bottom Channels

Reach 108

Pico Canyon (P.D. 2528)

Before Photos 08/25/23

After Photos 01/24/24



2023-2024 Soft Bottom Channels

Reach 108

Pico Canyon (P.D. 2528)

Before Photos 08/25/23



After Photos 01/24/24



2023-2024 Soft Bottom Channels

Reach 109

Santa Clara River — South Bank West of McBean Parkway (MTD1510)

Before Photos 08/24/23

After Photos 01/18/24



2023-2024 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/28/23

After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/28/23



2023-2024 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/28/23

After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/28/23

After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/28/23

After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 110

Hasley Canyon Channel (P.D. 2262)

Before Photos 08/28/23



After Photos 04/15/24



2023-2024 Soft Bottom Channels

Reach 112

Ballona Creek

Before Photos 08/09/23

After Photos 01/16/24



No Work Done



No Work Done



No Work Done

2023-2024 Soft Bottom Channels

Reach 112

Ballona Creek

Before Photos 08/09/23

After Photos 01/16/24



No Work Done



No Work Done



No Work Done

2023-2024 Soft Bottom Channels

Reach 112

Ballona Creek

Before Photos 08/09/23



After Photos 01/16/24



2023-2024 Soft Bottom Channels

Reach 113

Dominguez Channel

Photos 08/10/23



2023-2024 Soft Bottom Channels

Reach 113

Dominguez Channel

Photos 08/10/23



2023-2024 Soft Bottom Channels

Reach 113

Dominguez Channel

Photos 08/10/23



2023-2024 Soft Bottom Channels

Reach 114

Los Angeles River

Before Photos 08/10/23

After Photos 01/17/24



**NO WORK DONE
IN THIS AREA**



**NO WORK DONE
IN THIS AREA**



2023-2024 Soft Bottom Channels

Reach 114

Los Angeles River

Before Photos 08/10/23

After Photos 01/17/24



**NO WORK DONE
IN THIS AREA**

2023-2024 Soft Bottom Channels

Reach 115

San Gabriel River

Before Photos 08/11/23

After Photos 01/17/24



2023-2024 Soft Bottom Channels

Reach 115

San Gabriel River

Before Photos 08/11/23



After Photos 01/17/24



After Photos 06/10/24



2023-2024 Soft Bottom Channels

Reach 115

San Gabriel River

Before Photos 08/11/23



After Photos 06/10/24



2023-2024 Soft Bottom Channels

Reach 116

Los Cerritos Channel

Photos 08/11/23

No Work Done



2023-2024 Soft Bottom Channels

Reach 116

Los Cerritos Channel

Photos 08/11/23

No Work Done



2023-2024 Soft Bottom Channels

Reach 117

Centinela Creek Channel

Photos 08/09/23

No Work Done



2023-2024 Soft Bottom Channels

Reach 118

Rustic Canyon

Before Photos 08/09/23

After Photos 01/16/24



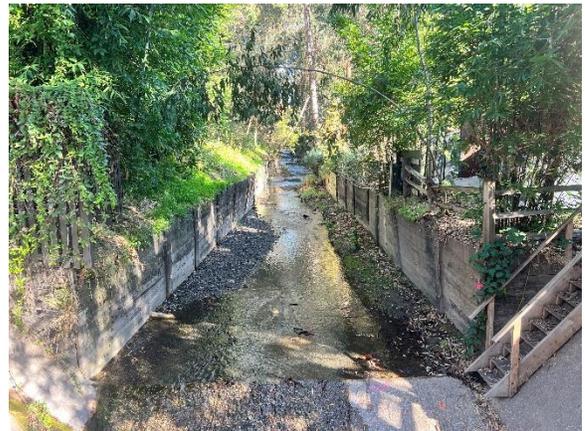
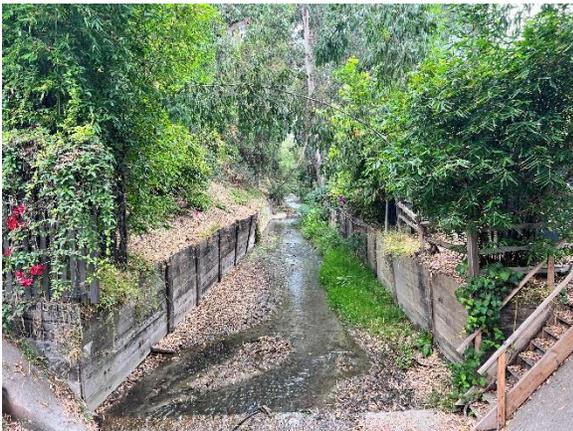
2023-2024 Soft Bottom Channels

Reach 118

Rustic Canyon

Before Photos 08/09/23

After Photos 01/16/24



2023-2024 Soft Bottom Channels

Reach 119

Rivas Canyon Channel

Before Photos 08/09/23

After Photos 01/16/24



2023-2024 Soft Bottom Channels

Reach 119

Rivas Canyon Channel

Before Photos 08/09/23



After Photos 01/16/24



2022-2023 Soft Bottom Channels

Reach 120

Jake's Way Channel

NO WORK DONE

Photos 8/24/22



2023-2024 Soft Bottom Channels

Reach 121

San Francisquito Creek (Newhall Ranch Road)

NO WORK DONE

Photos 08/15/23



2023-2024 Soft Bottom Channels

Reach 121

San Francisquito Creek (Newhall Ranch Road)

NO WORK DONE

Photos 08/15/23



2022-2023 Soft Bottom Channels

Reach 122

Las Virgenes Creek

NO WORK DONE

Photos 8/20/22



2022-2023 Soft Bottom Channels

Reach 122

Las Virgenes Creek

NO WORK DONE

Photos 8/20/22



2022-2023 Soft Bottom Channels

Reach 123

Haskell Canyon

NO WORK DONE

Photos 8/22/22



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 (2023-2024)**

Ballona Creek Reach 112 North 10/30/2023				
LATITUDE (approx.)	33.986765	33.984031	33.98031	Pre-Clearing/Baseline For Monday 10/30, 1st day of field work, Garo arrived on-site at 0855 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 Northside. Baseline and 1st day were done at the same time, because Ocean Blue placed the BMP on the northside of the channel this past weekend after the contractor finished the south side On 10/28/2023 (photo attached). Private contractor was clearing vegetation along the channel. Water level was slightly high but steady. Between 0900 to 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 12/29 on 24-hour TAT. Results for TSS will be available Friday afternoon, 12/30.
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	
ELEVATION (approx.)	6	6	6	
TIME	9:00	9:10	9:19	
SAMPLE NO.	BCNS-1	BCNS-2	BCNS-3	
TEMPERATURE (°C)	15.5	15.4	14.5	
pH	7.92	7.28	7.95	
TURBIDITY (NTUs)	3.7	3.17	3.88	
DISSOLVED O ₂ (mg/L)	9.73	9.34	9.74	
TOTAL SUSPENDED SOLIDS (mg/L)	7.5	5.5	5	
Ballona Creek Reach 112 North 10/31/2023				
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results For Tuesday 10/31, 2nd day of field work, Garo arrived on-site at 1000 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 Northside. Field crew continue to remove vegetation inside the channel. BMP is still on the northside of the channel. Water level was slightly high but steady. Turbidity readings were slightly high at both the internal and downstream due to lots of vegetation and ducks inside the channel. Between 1007 to 1030 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 10/31 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/01.
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	
ELEVATION (approx.)	6	6	6	
TIME	10:07	10:18	10:30	
SAMPLE NO.	BCNS-1	BCNS-2	BCNS-3	
TEMPERATURE (°C)	19.8	18.6	18.3	
pH	8.27	8.11	7.44	
TURBIDITY (NTUs)	2.14	3.81	2.85	
DISSOLVED O ₂ (mg/L)	9.78	9.97	9.92	
TOTAL SUSPENDED SOLIDS (mg/L)	4.5	2.5	3	
Ballona Creek Reach 112 North 11/1/2023				
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results For Wednesday 11/01, 3rd day of field work, Garo arrived on-site at 1100 and met Max Dizon from Stormwater Maintenance 83rd Yard to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 Northside. Field crew continue to remove vegetation inside the channel. BMP is still on the northside of the channel. Water level was slightly high but steady. Turbidity readings were slightly high at both the internal and downstream due to lots of vegetation and ducks inside the channel. Between 1007 to 1030 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 11/01 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/02.
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	
ELEVATION (approx.)	6	6	6	
TIME	11:05	11:10	11:20	
SAMPLE NO.	BCNS-1	BCNS-2	BCNS-3	
TEMPERATURE (°C)	19.9	20.4	20.1	
pH	7.79	8.09	8.02	
TURBIDITY (NTUs)	1.69	2.45	2.69	
DISSOLVED O ₂ (mg/L)	9.98	9.99	9.93	
TOTAL SUSPENDED SOLIDS (mg/L)	3	3.5	3	
Ballona Creek Reach 112 North 11/2/2023				
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results For Thursday 11/02, 4th day of field work, Garo arrived on-site at 0750 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 Northside. Field crew continue to remove vegetation inside the channel. BMP is still on the northside of the channel. Water level was low and steady. Between 0755 to 0814 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 11/02 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/03.
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	
ELEVATION (approx.)	6	6	6	
TIME	7:55	8:05	8:14	
SAMPLE NO.	BCNS-1	BCNS-2	BCNS-3	
TEMPERATURE (°C)	14.9	16	15.8	
pH	8.09	7.53	7.94	
TURBIDITY (NTUs)	4.2	2.79	3.94	
DISSOLVED O ₂ (mg/L)	9.75	9.77	9.88	
TOTAL SUSPENDED SOLIDS (mg/L)	4	3.5	5.5	
Ballona Creek Reach 112 North 11/3/2023				
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results For Friday 11/03, 5th day of field work, Isaac arrived on-site at 0945 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 Northside. Field crew
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	
ELEVATION (approx.)	6	6	6	
TIME	9:55	10:10	10:18	
SAMPLE NO.	BCNS-1	BCNS-2	BCNS-3	

TEMPERATURE (°C)	17.12	16.11	15.74	continue to remove vegetation inside the channel. BMP is still on the northside of the channel. Water level was low and steady. Between 0955 to 1018 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 11/02 on 24-hour TAT. Results for TSS will be available Monday afternoon, 11/06.
pH	8.81	8.55	8.14	
TURBIDITY (NTUs)	4.31	4.4	3.41	
DISSOLVED O ₂ (mg/L)	9.89	9.62	9.48	
TOTAL SUSPENDED SOLIDS (mg/L)	3	2	2.5	

Ballona Creek Reach 112 North 11/6/2023				
LATITUDE (approx.)	33.986765	33.984031	33.98031	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	
ELEVATION (approx.)	6	6	6	
TIME	7:23	7:33	7:43	For Monday 11/06, 7th day of field work, Garo arrived on-site at 0720 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 112 Northside. No water sampling done on Saturday 11/04/2023 because field crew was working on the concrete slope near the bike trails. Field crew continue to remove vegetation both on the concrete slope and inside the channel. BMP is still downstream, towards the 90 freeway. Water level was very low and steady. Turbidity readings were slightly high at the internal due to water clarity and lots of debris inside the channel. Between 0723 to 0743 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 11/06 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/07. GMED will now transition to weekly water quality and sampling.
SAMPLE NO.	BCNS-1	BCNS-2	BCNS-3	
TEMPERATURE (°C)	18.9	19	20	
pH	8.18	8.08	7.94	
TURBIDITY (NTUs)	17.5	26.6	4.05	
DISSOLVED O ₂ (mg/L)	9.97	9.75	9.84	
TOTAL SUSPENDED SOLIDS (mg/L)	9.5	17	5	

Ballona Creek Reach 112 North 11/15/2023				
LATITUDE (approx.)	33.986765	33.984031	33.98031	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415909	-118.419688	-118.424731	
ELEVATION (approx.)	6	6	6	
TIME	8:11	8:17	8:25	For Wednesday 11/15, Garo arrived on-site at 0804 to perform post water quality sampling and monitoring for Upper Ballona Creek Reach 112 Northside. Field crew have completed all vegetation removal and Ocean Blue have removed the BMPs. Water level was very low and steady. Between 0811 to 0825 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 11/15 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/16.
SAMPLE NO.	BCNS-1	BCNS-2	BCNS-3	
TEMPERATURE (°C)	17.2	17.5	16.3	
pH	8.16	7.69	7.98	
TURBIDITY (NTUs)	2.4	2.95	2.03	
DISSOLVED O ₂ (mg/L)	9.74	9.98	9.97	
TOTAL SUSPENDED SOLIDS (mg/L)	2	2	0.5	

Ballona Creek Reach 112 South 10/18/2023				
LATITUDE (approx.)	33.986641	33.984285	33.980196	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	
ELEVATION (approx.)	5	5	5	
TIME	9:10	9:18	9:34	For Wednesday 10/18, Garo arrived on-site at 0900 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 five (5) days prior to start date. Water level was slightly high throughout the water channel. During sampling I noticed lots of ducks, vegetation and trash inside the channel. Between 0910 to 0934 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 10/18 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/19. From a water quality standpoint, project is "good to go" for start on Monday 10/23.
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	18.7	18.9	18.9	
pH	8.05	7.8	7.96	
TURBIDITY (NTUs)	2.71	3.01	2.44	
DISSOLVED O ₂ (mg/L)	9.98	9.7	9.95	
TOTAL SUSPENDED SOLIDS (mg/L)	1.5	4.5	2.5	

Ballona Creek Reach 112 South 10/23/2023				
LATITUDE (approx.)	33.986641	33.984285	33.980196	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	
ELEVATION (approx.)	5	5	5	
TIME	9:05	9:13	9:25	For Monday 10/23, 1st day of field work, Garo arrived at 0850 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 12 South Side. BMP has been placed along the south side of the channel where vegetation removal has commenced (photo attached). Water level was normal and POSMOS representative was on-site. There were lots of vegetation, debris and ducks in the vegetation. Between 0905 to 0925 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 10/23 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/24.
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	21.7	22	22.4	
pH	7.92	8.42	8.22	
TURBIDITY (NTUs)	3.62	2.25	2.85	
DISSOLVED O ₂ (mg/L)	9.89	9.76	9.56	
TOTAL SUSPENDED SOLIDS (mg/L)	3	3	2.5	

Ballona Creek Reach 112 South 10/24/2023				
LATITUDE (approx.)	33.986641	33.984285	33.980196	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	

ELEVATION (approx.)	5	5	5	For Tuesday 10/24, 2nd day of field work, Garo arrived at 1130 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 12 South Side. Field crew continue to remove vegetation at the edge of slope by the channel. BMP has been placed along the south side of the channel where vegetation removal has commenced. 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 10/24 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/25.
TIME	11:36	11:49	12:00	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	22.6	21.8	20.7	
pH	8.48	7.58	7.65	
TURBIDITY (NTUs)	6.35	5.54	5.27	
DISSOLVED O ₂ (mg/L)	9.86	9.64	9.77	
TOTAL SUSPENDED SOLIDS (mg/L)	9.5	4	6.5	
Ballona Creek Reach 112 South 10/25/2023				
LATITUDE (approx.)	33.986641	33.984285	33.980196	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	
ELEVATION (approx.)	5	5	5	
TIME	10:29	10:39	10:54	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	18.5	18.4	18.3	
pH	7.12	7.21	7.52	
TURBIDITY (NTUs)	5.81	3.89	8.91	
DISSOLVED O ₂ (mg/L)	9.42	9.85	9.27	
TOTAL SUSPENDED SOLIDS (mg/L)	6.5	4.5	9.5	For Wednesday 10/25, 3rd day of field work, Garo arrived at 1015 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 12 South Side. Ocean blue moved the BMP downstream direction of 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. Turbidity was slightly high at the downstream due to some vegetation and combination of fishes and larva in the water. Between 1029 to 1054 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 10/25 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/26.
Ballona Creek Reach 112 South 10/26/2023				
LATITUDE (approx.)	33.986641	33.984285	33.980196	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	
ELEVATION (approx.)	5	5	5	
TIME	10:05	10:17	10:24	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	20.6	20.1	19.8	
pH	8.29	7.65	7.46	
TURBIDITY (NTUs)	3.5	2.74	5.48	
DISSOLVED O ₂ (mg/L)	9.63	9.45	9.6	
TOTAL SUSPENDED SOLIDS (mg/L)	2.5	2	3.5	For Thursday 10/26, 4th day of field work, Garo arrived at 1000 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 12 South Side. BMP is still in place along the channel. Field crew continue to remove vegetation at the edge of slope by the channel. Water level was slightly high and POSMOS representative was on-site. There were lots of vegetation, debris and ducks in the vegetation. Turbidity was slightly high at the downstream due to some vegetation and combination of fishes and larva in the water. Between 1005 to 1024 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 10/26 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/27.
Ballona Creek Reach 112 South 10/27/2023				
LATITUDE (approx.)	33.986641	33.984285	33.980196	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	
ELEVATION (approx.)	5	5	5	
TIME	9:05	9:15	9:25	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	17.8	17.2	17	
pH	7.68	7.57	8.14	
TURBIDITY (NTUs)	2.74	3.68	5.18	
DISSOLVED O ₂ (mg/L)	9.8	9.81	9.31	
TOTAL SUSPENDED SOLIDS (mg/L)	3	4	16	For Friday 10/27, 5th day of field work, Garo arrived at 0857 to perform water quality sampling and monitoring for Upper Ballona Creek Reach 12 South Side. BMP is still in place along the channel. Field crew continue to remove vegetation at the edge of slope by the channel. Water level continue to be slightly high and POSMOS representative was on-site. There were lots of vegetation, debris and ducks in the vegetation. Turbidity was slightly high at both the internal and downstream due to some vegetation and combination of fishes and larva in the water. Between 0905 to 0925 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 10/27 on 24-hour TAT. Results for TSS will be available Monday afternoon, 10/30.
Ballona Creek Reach 112 South 10/28/2023				
LATITUDE (approx.)	33.986641	33.984285	33.980196	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	
ELEVATION (approx.)	5	5	5	
TIME	8:59	9:06	9:13	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	16.5	16.2	16.3	
pH	8.21	7.68	7.78	
TURBIDITY (NTUs)	9.56	5.61	5.61	
DISSOLVED O ₂ (mg/L)	9.99	10.04	9.69	
TOTAL SUSPENDED SOLIDS (mg/L)	30	38	15	For Saturday 10/28, 6th day of field work, Garo arrived at 0855 and met with Steve McMihelk from Stormwater Maintenance 83rd Yard to perform water quality sampling and monitoring for Upper Ballona Creek Reach 12 South Side. BMP has been moved downstream towards the 90 freeway along the channel (photo attached). Field crew continue to remove vegetation at the edge of slope by the channel. Water level continue to be slightly high. There were lots of vegetation, debris and ducks in the vegetation. Between 0859 to 0913 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 10/30 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/31.
Ballona Creek Reach 112 South 11/1/2023				

LATITUDE (approx.)	33.986641	33.984285	33.980196	Post-Work WQ Monitoring & Sampling Results For Wednesday 11/01, Garo arrived at 1025 and met with Max Dizon from Stormwater Maintenance 83rd Yard to perform post water quality sampling and monitoring for Upper Ballona Creek Reach 12 South Side. Field crew completed all vegetation removal and Ocean Blue moved the BMP to the north side of the channel. Water level was normal There were lots of vegetation, debris and ducks in the vegetation. Turbidity was slightly high at internal point due to vegetation and ducks in the water. Between 1033 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 Wednesday 11/01 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/02.
LONGITUDE (approx.)	-118.415761	-118.418752	-118.424032	
ELEVATION (approx.)	5	5	5	
TIME	10:33	10:39	10:50	
SAMPLE NO.	BCSS-1	BCSS-2	BCSS-3	
TEMPERATURE (°C)	19.9	19.2	19.4	
pH	8.4	8.24	7.57	
TURBIDITY (NTUs)	4.23	6.98	4.23	
DISSOLVED O ₂ (mg/L)	9.95	9.97	9.73	
TOTAL SUSPENDED SOLIDS (mg/L)	20	9	4.5	

Compton Creek Reach 24 9/12/2023				
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	Pre-Clearing/Baseline For Tuesday, 09/12 – Garo arrived on the jobsite at 0830 met with Carlos Varela and Jerette Rivas 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 the upstream sampling point. Both Carlos and Jerette 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 0840 and 940, 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 09/12 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 09/13. From a water quality standpoint, project is “good to go” for start on Monday 09/18.
LONGITUDE (approx.)	-118.215976	-118.213448	-118.204106	
ELEVATION (approx.)	26	94	25	
TIME	8:40	9:15	9:40	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	24.3	24.7	24.5	
pH	7.58	7.44	7.24	
TURBIDITY (NTUs)	8.21	3.47	3.2	
DISSOLVED O ₂ (mg/L)	9.58	9.43	10.07	
TOTAL SUSPENDED SOLIDS (mg/L)	6	4	4	

Compton Creek Reach 24 9/18/2023				
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results For Monday, 09/18 – 1st day of field work, Garo arrived on the jobsite at 0905 performed water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. New BPMs were placed at the downstream sampling point (photo attached) Water flow was steady and clear through the channel, however there was a very bad odor coming from the water at the upstream sampling point. Between 0915 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 09/18 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/19.
LONGITUDE (approx.)	-118.215976	-118.213448	-118.204106	
ELEVATION (approx.)	26	94	25	
TIME	9:40	9:27	9:15	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	22	22.3	22.9	
pH	7.34	7.06	7.54	
TURBIDITY (NTUs)	3.64	2.6	1.75	
DISSOLVED O ₂ (mg/L)	9.75	10	9.69	
TOTAL SUSPENDED SOLIDS (mg/L)	4.5	6	3	

Compton Creek Reach 24 9/19/2023				
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results For Tuesday, 09/19 – 2nd day of field work, Garo arrived on the jobsite at 0905 performed water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. BPMs are still in place at the downstream sampling point. Water flow was steady and clear through the channel, however there were lots of larvae inside the water at the upstream sampling point. Between 0915 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 Tuesday 09/19 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 09/20.
LONGITUDE (approx.)	-118.215976	-118.213448	-118.204106	
ELEVATION (approx.)	26	94	25	
TIME	9:40	9:27	9:15	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	21.5	21.6	21.4	
pH	7.14	7.23	7.13	
TURBIDITY (NTUs)	2.78	2.87	1.88	
DISSOLVED O ₂ (mg/L)	9.39	9.1	9.39	
TOTAL SUSPENDED SOLIDS (mg/L)	4.5	7.5	2	

Compton Creek Reach 24 9/20/2023				
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results For Wednesday, 09/20 – 3rd day of field work, Garo arrived on the jobsite at 0910 and met Carlos Varlea from Stormwater Maintenance 83rd Yard to performed water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. BPMs are still in place at the downstream sampling point. Water flow was steady and clear through the channel, however there were lots of larvae inside the water at the upstream sampling point. Turbidity was slightly high at the internal sampling point due to some minor debris and vegetation. Between 0914 and 0933, 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 09/20 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 09/21. I informed Jasson Velez about the turbidity results.
LONGITUDE (approx.)	-118.215976	-118.213448	-118.204106	
ELEVATION (approx.)	26	94	25	
TIME	9:14	9:21	9:33	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	21.1	21.5	21.8	
pH	7.9	7.28	7.24	
TURBIDITY (NTUs)	2.47	4.16	1.4	
DISSOLVED O ₂ (mg/L)	9.05	9.44	9.33	

TOTAL SUSPENDED SOLIDS (mg/L)	4	6	1	
Compton Creek Reach 24 9/21/2023				
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results For Thursday, 09/21 – 4th day of field work, Garo arrived on the jobsite at 0900 and met Carlos Varlea from Stormwater Maintenance 83rd Yard to performed water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. BPMs are still in place at the downstream sampling point. Water flow was steady and clear through the channel, however there were lots of larvae inside the water at the upstream sampling point. Between 0909 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 09/21 on 24-hour TAT. Results for TSS will be available Friday afternoon, 09/22. I informed Jasson Velez about the turbidity results.
LONGITUDE (approx.)	-118.215976	-118.213448	-118.204106	
ELEVATION (approx.)	26	94	25	
TIME	9:09	9:27	9:40	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	20.9	21	20.8	
pH	7.58	7.77	7.78	
TURBIDITY (NTUs)	2.76	2.51	1.54	
DISSOLVED O ₂ (mg/L)	9.41	9.58	9.63	
TOTAL SUSPENDED SOLIDS (mg/L)	3	6.5	ND	
Compton Creek Reach 24 9/22/2023				
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results For Friday, 09/22 – 5th day of field work, Garo arrived on the jobsite at 0915 to performed water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. BPMs are still in place at the downstream sampling point. Water flow was steady and clear through the channel, however there were lots of vegetation inside the channel at the internal sampling point. Between 0920 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 Friday 09/22 on 24-hour TAT. Results for TSS will be available Monday afternoon, 09/25.
LONGITUDE (approx.)	-118.215976	-118.213448	-118.204106	
ELEVATION (approx.)	26	94	25	
TIME	9:20	9:33	9:40	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	19.6	20.1	19.9	
pH	7.64	7.74	7.5	
TURBIDITY (NTUs)	3.02	3.32	1.28	
DISSOLVED O ₂ (mg/L)	9.29	9.71	9.95	
TOTAL SUSPENDED SOLIDS (mg/L)	8	22	4	
Compton Creek Reach 24 9/23/2023				
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results For Saturday, 09/23 – 6th day of field work, Garo arrived on the jobsite at 0800 to performed water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. Field crew was working inside the channel between Santa Fe and Del Amo. BPMs are still in place at the downstream sampling point. Water flow was steady and clear through the channel, however there were some of vegetation inside the channel at the internal sampling point. Between 0806 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 Monday 09/25 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/26.
LONGITUDE (approx.)	-118.215976	-118.213448	-118.204106	
ELEVATION (approx.)	26	94	25	
TIME	8:06	8:13	8:26	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	19.1	19.2	18.9	
pH	7.64	7.69	7.91	
TURBIDITY (NTUs)	2.86	3.14	1.33	
DISSOLVED O ₂ (mg/L)	9.51	9.99	10.04	
TOTAL SUSPENDED SOLIDS (mg/L)	20	25	21	
Compton Creek Reach 24 9/25/2023				
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results For Monday, 09/25 – 7th day of field work, Garo arrived on the jobsite at 0756 to performed water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. Field crew was working inside the channel north of Santa Fe. BPMs are still in place at the downstream sampling point. There was a very strong odor coming from the water flow at the upstream as well as water not being clear as well. There were some of vegetation inside the channel at the internal sampling point. The turbidity reading at the upstream was over 50 Ntu so therefore 10% percent allowance is to be used for turbidity limit readings. Between 0805 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 Monday 09/25 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/26.
LONGITUDE (approx.)	-118.215976	-118.213448	-118.204106	
ELEVATION (approx.)	26	94	25	
TIME	8:05	8:15	8:25	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	19.5	19.5	19.2	
pH	7.49	7.31	7.7	
TURBIDITY (NTUs)	57.7	5.04	1.53	
DISSOLVED O ₂ (mg/L)	9.65	9.41	10.04	
TOTAL SUSPENDED SOLIDS (mg/L)	6.5	18	3.5	
Compton Creek Reach 24 10/2/2023				
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results For Monday, 10/02 – 13th day of field work, Garo arrived on the jobsite at 0756 and met with Carlos Varela to perform water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. Field crew was working inside the channel north of Santa Fe to Del Amo. BPMs are still in place at the downstream sampling point. There were some of vegetation inside the channel at the internal sampling point. The turbidity reading were high at the internal sampling point due to water not being clear and vegetation inside the water. Between 0805 and 0830, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen.
LONGITUDE (approx.)	-118.215976	-118.213448	-118.204106	
ELEVATION (approx.)	26	94	25	
TIME	8:05	8:16	8:30	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	17.4	17.5	17.2	
pH	7.81	7.56	7.47	

TURBIDITY (NTUs)	5.71	31	4.16	Samples collected and submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 10/02 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/03. I informed Jasson Velez of the turbidity results over the phone.
DISSOLVED O ₂ (mg/L)	9.93	9.95	9.9	
TOTAL SUSPENDED SOLIDS (mg/L)	8.5	30	4	

Compton Creek Reach 24 10/16/2023				
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	During Maintenance WQ Monitoring & Sampling Results For , 10/02 – 24th day of field work, Isaac Ochoa and Garo 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 are continuing vegetation removal towards the 710 freeway. BPMs are still in place at the downstream sampling point. There was lots of bad odor coming from the water as well as vegetations at all three (3) sampling points. The turbidity reading were high at both the internal and downstream sampling point due to water not being clear and vegetation inside the water. Between 0756 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 10/16 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/17. I informed Jasson Velez of the turbidity results over the phone.
LONGITUDE (approx.)	-118.215976	-118.213448	-118.204106	
ELEVATION (approx.)	26	94	25	
TIME	7:56	8:14	8:31	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	18.7	18.6	17.9	
pH	7.26	6.92	7.06	
TURBIDITY (NTUs)	2.51	20	10.56	
DISSOLVED O ₂ (mg/L)	9.97	9.32	9.94	
TOTAL SUSPENDED SOLIDS (mg/L)	5.5	6.5	6	

Compton Creek Reach 24 10/30/2023				
LATITUDE (approx.)	33.8714707	33.8554341	33.8418536	Post-Work WQ Monitoring & Sampling Results For Monday 10/30 – Garo arrived on the onsite at 0645 and met with Carlos Varela to perform post water quality monitoring and sampling at upstream, internal, and downstream points at the Compton Creek. Field crew have finished all vegetation removal and have removed all the BMPs and sand bags from the downstream point. There was lots of bad odor coming from the water as well as vegetations at the downstream point. The turbidity reading was high at downstream sampling point due to water not being clear and vegetation inside the water. Between 0658 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 Monday 10/30 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/31.
LONGITUDE (approx.)	-118.215976	-118.213448	-118.204106	
ELEVATION (approx.)	26	94	25	
TIME	6:58	7:10	7:19	
SAMPLE NO.	CCRK-1	CCRK-2	CCRK-3	
TEMPERATURE (°C)	13.9	14.3	12.8	
pH	7.77	7.9	7.48	
TURBIDITY (NTUs)	6.04	3.49	34.2	
DISSOLVED O ₂ (mg/L)	9.01	10.05	10.01	
TOTAL SUSPENDED SOLIDS (mg/L)	7	2.5	1.5	

Los Angeles River Reach 114 10/19/2023				
LATITUDE (approx.)	33.790323	33.787342	33.782763	Pre-Clearing/Baseline For Thursday, 10/19 – Garo arrived on the jobsite at 0729am met with Carlos Varlea and Lonnie Walton 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 two (2) days prior of cleanout start date. Between 0739 and 0800, 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 10/19 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/20. From a water quality standpoint, project is “good to go” for start on Saturday 10/21.
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	
ELEVATION (approx.)	6	6	5	
TIME	8:00	7:49	7:39	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	19.4	19.7	20.1	
pH	8.25	8.42	8.52	
TURBIDITY (NTUs)	4.2	3.8	6.26	
DISSOLVED O ₂ (mg/L)	9.93	9.76	9.96	
TOTAL SUSPENDED SOLIDS (mg/L)	6.5	4	4.5	

Los Angeles River Reach 114 10/23/2023				
LATITUDE (approx.)	33.790323	33.787342	33.782763	During Maintenance WQ Monitoring & Sampling Results For Monday 10/23 – 2nd day of field work, Isaac arrived on the jobsite at 0800 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 Los Angeles River Reach 114 West. Field crew are removing vegetation on the soft bottom channel. Turbidity readings were slightly high at both internal and downstream points due to lots of debris, ducks, and seagulls in the water channel. 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 Monday 10/23 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/24.
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	
ELEVATION (approx.)	6	6	5	
TIME	8:20	8:45	8:55	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	20.8	20.7	20.6	
pH	8.38	8.69	8.12	
TURBIDITY (NTUs)	4.48	4.75	4.49	
DISSOLVED O ₂ (mg/L)	9.43	9.82	9.33	
TOTAL SUSPENDED SOLIDS (mg/L)	10	4	22	

Los Angeles River Reach 114 10/24/2023				
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	5	For Tuesday 10/24 – 3rd day of field work, Isaac arrived on the jobsite at 0700 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 Los Angeles River Reach 114 West. Field crew are removing vegetation on the soft bottom channel. Turbidity readings were slightly high at both internal and downstream points due to lots of debris, ducks, and seagulls in the water channel. Between 0720 and 0750, 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 10/24 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/25.
TIME	7:20	7:40	7:50	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	17.61	17.86	18.41	
pH	8.52	8.52	8.69	
TURBIDITY (NTUs)	6.3	5.35	5.56	
DISSOLVED O ₂ (mg/L)	9.8	9.37	9.35	
TOTAL SUSPENDED SOLIDS (mg/L)	10	3.5	2.5	
Los Angeles River Reach 114 10/25/2023				
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	For Wednesday 10/25 – 4th day of field work, Isaac arrived on the jobsite at 0800 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 Los Angeles River Reach 114 West. Field crew are removing vegetation on the soft bottom channel. Turbidity readings were slightly high at both internal and downstream points due to lots of debris, ducks, and seagulls in the water channel. Between 0845 and 0935, 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 10/25 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/26.
TIME	9:35	9:20	8:45	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	20.5	20.2	19.3	
pH	7.88	7.65	7.66	
TURBIDITY (NTUs)	4.47	4.7	4.88	
DISSOLVED O ₂ (mg/L)	9.97	9.27	9.26	
TOTAL SUSPENDED SOLIDS (mg/L)	3.5	5	3.5	
Los Angeles River Reach 114 10/26/2023				
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	For Thursday 10/26 – 5th day of field work, Garo 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 are removing vegetation downstream towards Anaheim Street on the soft bottom channel. There is still homeless presence on the west side of the levee. Between 0845 and 0935, 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 10/26 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/27.
TIME	8:45	8:36	8:09	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	19.9	20	20.1	
pH	7.68	7.52	7.92	
TURBIDITY (NTUs)	4.79	4.23	3.43	
DISSOLVED O ₂ (mg/L)	9.71	9.69	9.39	
TOTAL SUSPENDED SOLIDS (mg/L)	9	5	3.5	
Los Angeles River Reach 114 10/27/2023				
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	For Friday 10/27 – 6th day of field work, Garo arrived on the jobsite at 0740 met with Richard Hunter 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 removed the majority of the vegetation little passed the internal sampling point. There is still homeless presence on the west side of the levee. Turbidity reading was slightly high at the internal sampling point due to lots of vegetation and a combination of birds and ducks in the channel. Between 0749 and 00819, 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 10/27 on 24-hour TAT. Results for TSS will be available Monday afternoon, 10/28.
TIME	8:19	8:12	7:49	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	18.8	17.7	17.9	
pH	8.02	8.18	7.74	
TURBIDITY (NTUs)	3.4	4.26	4.08	
DISSOLVED O ₂ (mg/L)	9.96	9.88	9.83	
TOTAL SUSPENDED SOLIDS (mg/L)	12	8.5	5	
Los Angeles River Reach 114 10/28/2023				
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	For Saturday 10/28 – 7th day of field work, Garo arrived on the jobsite at 0740 met with Kraig Arvidson 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 removed the majority of the vegetation passed the internal sampling point. There is still homeless presence on the west side of the levee. Turbidity reading was slightly high at the internal sampling point due to lots of vegetation and a combination of birds and ducks in the channel. Between 0749 and 00819, 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 10/27 on 24-hour TAT. Results for TSS will be available Monday afternoon, 10/28. GMED will now transition to weekly water quality sampling and monitoring.
TIME	8:29	8:19	7:59	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	17.6	18.1	18.1	
pH	7.79	7.82	8.14	
TURBIDITY (NTUs)	5.48	8.29	13	
DISSOLVED O ₂ (mg/L)	10.04	9.83	9.97	

TOTAL SUSPENDED SOLIDS (mg/L)	7	8.5	9.5	
Los Angeles River Reach 114 11/2/2023				
LATITUDE (approx.)	33.790323	33.787342	33.782763	During Maintenance WQ Monitoring & Sampling Results For Thursday 11/02 – 11th day of field work, Isaac arrived on the jobsite at 900 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 removed the majority of the vegetation passed the internal sampling point can were clearing vegetation from the slope area. There is still homeless presence on the west side of the levee. Between 0910 and 0955, 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 11/02 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/03. GMED will now continue weekly water quality sampling and monitoring.
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	
ELEVATION (approx.)	6	6	6	
TIME	9:10	9:30	9:55	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	13.9	15	16.5	
pH	8.47	8.62	8.48	
TURBIDITY (NTUs)	4.51	4.61	4.73	
DISSOLVED O ₂ (mg/L)	9.56	9.73	9.71	
TOTAL SUSPENDED SOLIDS (mg/L)	5	4.5	5	
Los Angeles River Reach 114 11/14/2023				
LATITUDE (approx.)	33.790323	33.787342	33.782763	Post-Work WQ Monitoring & Sampling Results For Tuesday 11/14 – Isaac arrived on the jobsite at 0945 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. Between 1005 and 1030, 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 11/14 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/15.
LONGITUDE (approx.)	-118.206232	-118.206238	-118.206115	
ELEVATION (approx.)	6	6	6	
TIME	10:30	10:20	10:05	
SAMPLE NO.	LARWR114-1	LARWR114-2	LARWR114-3	
TEMPERATURE (°C)	18.06	18.4	17.72	
pH	7.7	8.09	8.49	
TURBIDITY (NTUs)	6.06	4.82	4.04	
DISSOLVED O ₂ (mg/L)	9.81	9.5	9.98	
TOTAL SUSPENDED SOLIDS (mg/L)	9	6.5	4.5	

Los Angeles River Reach 25 East 10/31/2023				
LATITUDE (approx.)	33.803965	33.800976	33.79033	Pre-Clearing/Baseline For Tuesday 10/31, Garo arrived at 0700 on-site and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform baseline water quality monitoring and sampling at the Los Angeles River Reach 25 East. Sediment was placed on the north side of the Willow bridge for diverting the water flow. Water flow was steady. There were lots of ducks and debris in the channel. Baseline was done one (1) day before start date. Between 0707 and 0735, 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 10/31 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/01. From a water quality standpoint, project is “good to go” for start on Wednesday 11/01.
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	
ELEVATION (approx.)	7	3	3	
TIME	8:43	8:38	8:55	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	7.17	7.07	7.35	
pH	7.97	7.9	7.16	
TURBIDITY (NTUs)	4.82	3.24	4.06	
DISSOLVED O ₂ (mg/L)	9.93	9.52	10.01	
TOTAL SUSPENDED SOLIDS (mg/L)	3	5.5	3.5	
Los Angeles River Reach 25 East 11/1/2023				
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results For Wednesday 11/01, 1st day of field operations, Garo arrived 0755 on-site and met with Cesar Batres from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at the Los Angeles River Reach 25 East. Sediment was placed on the north side of the Willow bridge for diverting the water flow. 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 the channel. Between 0801 and 0823, 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 11/01 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/02.
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	
ELEVATION (approx.)	7	3	3	
TIME	8:10	8:01	8:23	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	16	15.4	14.7	
pH	7.96	7.88	7.89	
TURBIDITY (NTUs)	3.5	4.54	4.14	
DISSOLVED O ₂ (mg/L)	9.62	9.98	9.98	
TOTAL SUSPENDED SOLIDS (mg/L)	5	6.5	3.5	
Los Angeles River Reach 25 East 11/2/2023				
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	

TIME	8:20	8:35	8:50	For Thursday 11/02, 2nd day of field operations, Isaac arrived 0730 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. Sediment was placed on the north side of the Willow bridge for diverting the water flow. Water flow was steady. Water was not clear as well as a lot presence ducks and debris across the channel. Between 0820 and 0850, 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 11/02 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/03.
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	10.79	12.53	14.18	
pH	8.34	8.79	8.24	
TURBIDITY (NTUs)	6.94	4.48	4.96	
DISSOLVED O ₂ (mg/L)	6.94	4.48	4.96	
TOTAL SUSPENDED SOLIDS (mg/L)	26	10	6.5	
Los Angeles River Reach 25 East 11/3/2023				
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Friday 11/03, 3rd day of field operations, Isaac arrived 0700 on-site and met with Richard Hunter from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at the Los Angeles River Reach 25 East. Sediment was placed on the north side of the Willow bridge for diverting the water flow. Water flow was steady. Water was not clear as well as a lot presence ducks and debris across the channel. Between 0735 and 0805, 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 11/03 on 24-hour TAT. Results for TSS will be available Monday afternoon, 11/06.
ELEVATION (approx.)	7	3	3	
TIME	7:35	7:47	8:05	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	13.97	12.71	14.24	
pH	8.58	8.42	8.01	
TURBIDITY (NTUs)	4.37	4.2	4.19	
DISSOLVED O ₂ (mg/L)	9.82	9.85	9.44	
TOTAL SUSPENDED SOLIDS (mg/L)	5	5	4.5	
Los Angeles River Reach 25 East 11/4/2023				
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Saturday 11/04, 4th day of field operations, Isaac arrived 0700 on-site and met with Richard Hunter from Stormwater Maintenance Imperial Yard to perform water quality monitoring and sampling at the Los Angeles River Reach 25 East. Sediment was placed on the north side of the Willow bridge for diverting the water flow. Water flow was steady. Water was not clear as well as a lot presence ducks and debris across the channel. Between 0710 and 0735, 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 11/06 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/07.
ELEVATION (approx.)	7	3	3	
TIME	7:10	7:18	7:35	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	12.33	13.04	13.57	
pH	8.25	8.2	7.82	
TURBIDITY (NTUs)	3.9	4.62	4.27	
DISSOLVED O ₂ (mg/L)	9.99	9.16	9.57	
TOTAL SUSPENDED SOLIDS (mg/L)	18	14	7.5	
Los Angeles River Reach 25 East 11/6/2023				
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Monday 11/06, 5th day of field operations, Isaac arrived 0700 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. Sediment was placed on the north side of the Willow bridge for diverting the water flow. Water flow was steady. Water was not clear as well as a lot presence ducks and debris across the channel. Between 0748 and 0820, 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 11/06 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/07.
ELEVATION (approx.)	7	3	3	
TIME	7:48	8:00	8:20	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	14.8	14.7	15.3	
pH	8.64	8.33	7.69	
TURBIDITY (NTUs)	3.57	5.78	3.78	
DISSOLVED O ₂ (mg/L)	9.83	9.99	9.53	
TOTAL SUSPENDED SOLIDS (mg/L)	5.5	13	5	
Los Angeles River Reach 25 East 11/8/2023				
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Wednesday 11/08, 6th day of field operations, Isaac arrived 0700 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. Sediment was placed on the north side of the Willow bridge for diverting the water flow. Water flow was steady. Water was not clear as well as a lot presence ducks and debris across the channel. Between 0730 and 0810, 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 11/08 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/09.
ELEVATION (approx.)	7	3	3	
TIME	7:30	7:42	8:10	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	15.13	14.18	14.76	
pH	8.55	8.32	7.59	
TURBIDITY (NTUs)	3.38	5.08	4.57	
DISSOLVED O ₂ (mg/L)	9.98	9.98	9.56	
TOTAL SUSPENDED SOLIDS (mg/L)	5	9.5	1	
Los Angeles River Reach 25 East 11/9/2023				
LATITUDE (approx.)	33.803965	33.800976	33.79033	During Maintenance WQ Monitoring & Sampling Results

LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Thursday 11/09, 7th day of field operations, Isaac arrived 0930 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. Sediment was placed on the north side of the Willow bridge for diverting the water flow. Water flow was steady. Water was not clear as well as a lot presence ducks and debris across the channel. Between 0945 and 1030, 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 11/09 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/10. GMED will now transition to weekly water quality continue to monitor the area to re-confirm condition.
ELEVATION (approx.)	7	3	3	
TIME	9:45	10:00	10:30	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	20.3	18.6	16.9	
pH	9.04	8.72	7.65	
TURBIDITY (NTUs)	4.54	4.83	5.75	
DISSOLVED O ₂ (mg/L)	9.95	9.81	9.33	
TOTAL SUSPENDED SOLIDS (mg/L)	5	9.5	5	

Los Angeles River Reach 25 East 12/6/2023				
LATITUDE (approx.)	33.803965	33.800976	33.79033	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.204929	-118.205477	-118.20497	For Wednesday 12/06, Garo arrived 0640 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. Field crew completed all vegetation removal inside the channel. Water level was low, but there were lots of debris inside the channel. Between 0645 and 0709, 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 12/06 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 12/07.
ELEVATION (approx.)	7	3	3	
TIME	7:04	6:45	7:09	
SAMPLE NO.	LARR25E-1	LARR25E-2	LARR25E-3	
TEMPERATURE (°C)	13.7	14.6	14.4	
pH	8.31	7.21	7.63	
TURBIDITY (NTUs)	2.13	4.21	3.21	
DISSOLVED O ₂ (mg/L)	9.24	9.97	9.78	
TOTAL SUSPENDED SOLIDS (mg/L)	2.4	8.6	2.6	

Los Angeles River Reach 25 West 10/10/2023				
LATITUDE (approx.)	33.804022	33.800921	33.790174	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Tuesday 10/10, Garo arrived on-site at 0700 and met with David Aparicio from Stormwater Maintenance Imperial Yard to perform baseline water quality sampling and monitoring at Los Angeles River Reach 25 West. 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 three (3) days prior to start date. Between 0721 and 0755, 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 10/10 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/11. From a water quality standpoint, project is "good to go" for start on Friday 10/13.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	7:14	7:32	7:55	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	19.7	19.4	18.9	
pH	8.26	7.32	7.68	
TURBIDITY (NTUs)	3.53	5.18	3.99	
DISSOLVED O ₂ (mg/L)	9.98	9.9	9.5	
TOTAL SUSPENDED SOLIDS (mg/L)	3	9	11	

Los Angeles River Reach 25 West 10/13/2023				
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Friday 10/13, Garo arrived on-site at 0745 and met with Evan Tillett and Jerette Rivas from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. 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 0805 and 0847, 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 10/13 on 24-hour TAT. Results for TSS will be available Monday afternoon, 10/16.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	8:05	8:29	8:47	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	22.2	21.3	21.1	
pH	7.79	8.01	7.74	
TURBIDITY (NTUs)	2.31	5.14	3.87	
DISSOLVED O ₂ (mg/L)	9.78	9.24	9.37	
TOTAL SUSPENDED SOLIDS (mg/L)	3	12	7	

Los Angeles River Reach 25 West 10/14/2023				
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Saturday 10/14, 2nd day of field work, Garo arrived on-site at 0745 and met with Jerette Rivas from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. Water flow was steady throughout the channel, but there were lots of debris in the channel. Sediments were piled up as diversion to control water flow towards the middle located in the channel on the north side of Willow Bridge. 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 0804 and 0837, 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) on Monday 10/16 on 24-hour TAT. Results for TSS will be available Tuesday afternoon.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	8:37	8:24	8:04	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	21.5	21.1	19.7	
pH	8.25	7.59	8.01	
TURBIDITY (NTUs)	2.49	8.31	3.92	

DISSOLVED O ₂ (mg/L)	9.86	9.99	9.96	10/17.
TOTAL SUSPENDED SOLIDS (mg/L)	22	20	9.5	
Los Angeles River Reach 25 West 10/16/2023				
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Monday 10/16, 3rd day of field work, Isaac Ochoa and Garo arrived on-site at 0905 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. Water flow was steady throughout the channel, but there were lots of debris in the channel. Sediments were piled up as diversion to control water flow towards the middle located in the channel on the north side of Willow Bridge. Water levels were slightly high at the internal point as there were lots of water in the area. 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 0911 and 0931, 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) on Monday 10/16 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/17.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	9:27	9:31	9:11	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	19.6	19.2	19.1	
pH	8.46	7.2	7.96	
TURBIDITY (NTUs)	4.24	5.18	4.04	
DISSOLVED O ₂ (mg/L)	9.9	9.97	9.53	
TOTAL SUSPENDED SOLIDS (mg/L)	9.5	16	13	
Los Angeles River Reach 25 West 10/19/2023				
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Thursday 10/19, 4th day of field work, Garo arrived on-site at 0800 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. Field crew resumed work inside the channel after a two day of no field work due to short staffing Water flow was steady throughout the channel, but there were lots of debris in the channel. Sediments were piled up as diversion to control water flow towards the middle located in the channel on the north side of Willow Bridge. Water levels were slightly high at the internal point as there were lots of water in the area. 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 0805 and 0845, 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) on Thursday 10/19 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/20. I informed Jasson Velez of the turbidity results via text message.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	8:45	8:29	8:05	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	20.8	20.4	19.3	
pH	8.08	7.39	8.2	
TURBIDITY (NTUs)	2.15	6.89	3.72	
DISSOLVED O ₂ (mg/L)	9.56	9.39	9.92	
TOTAL SUSPENDED SOLIDS (mg/L)	3.5	14	14	
Los Angeles River Reach 25 West 10/21/2023				
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Saturday 10/21, 5th day of field work, Garo arrived on-site at 0815 and met with Kraig Arvidson from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. There was no work done for Friday 10/20/2023 due to emergency work and all field crew were assigned. Field crew resumed work inside the channel as vegetation removal is being done between the upstream and internal sampling points. Water level has gone down and the flow was steady throughout the channel, but there were lots of debris in the channel. Sediments were piled up as diversion to control water flow towards the middle located in the channel on the north side of Willow Bridge. Turbidity was slightly high at both internal and downstream sampling points due lots of vegetation. Between 0819 and 0918, 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) on Monday 10/23 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/24. I informed David Yager of the turbidity results via phone call.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	9:18	9:05	8:19	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	22.6	22.5	20.7	
pH	7.91	8.16	7.76	
TURBIDITY (NTUs)	3.01	3.74	4.59	
DISSOLVED O ₂ (mg/L)	9.95	9.67	9.23	
TOTAL SUSPENDED SOLIDS (mg/L)	5	7	38	
Los Angeles River Reach 25 West 10/23/2023				
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Monday 10/23, 6th day of field work, Isaac arrived on-site at 0900 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. Field crew resumed work inside the channel as vegetation removal is being done between the upstream and internal sampling points. Water level has gone down and the flow was steady throughout the channel, but there were lots of debris in the channel. Sediments were piled up as diversion to control water flow towards the middle located in the channel on the north side of Willow Bridge. Turbidity was slightly high at both internal and downstream sampling points due lots of vegetation. Between 0907 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) on Monday 10/23 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/24.
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	10:25	9:50	9:07	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	20.8	19.8	20.5	
pH	8.99	8.94	8.06	
TURBIDITY (NTUs)	2.95	2.97	4.57	
DISSOLVED O ₂ (mg/L)	9.95	9.83	9.91	
TOTAL SUSPENDED SOLIDS (mg/L)	5	3.5	6	
Los Angeles River Reach 25 West 10/24/2023				
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	For Tuesday 10/24, 7th day of field work, Isaac arrived on-site at 0800 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. Field crew resumed work inside the channel as vegetation removal is being done between the upstream and internal sampling points. Water level has gone up slightly and the flow was steady throughout the channel, but there were lots of debris in the channel. Sediments were piled up as diversion to control water flow towards the middle located in the channel on the north side of Willow Bridge. Turbidity was slightly high at both internal and downstream
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	8:05	8:45	9:05	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	18.18	18.75	17.6	

pH	8.86	8.26	8.37	As diversion to control water flow towards the middle located in the channel on the north side of Willow Bridge. Turbidity was slightly high at both internal and downstream sampling points due lots of vegetation. Between 0805 and 0905, 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) on Tuesday 10/24 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/25. GMED will now transition to weekly water quality sampling and monitoring.
TURBIDITY (NTUs)	4.64	5.28	5.96	
DISSOLVED O ₂ (mg/L)	9.8	9.4	9.74	
TOTAL SUSPENDED SOLIDS (mg/L)	10	3.5	1	

Los Angeles River Reach 25 West 10/31/2023				
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results For Tuesday 10/31, 13th day of field work, Garo arrived on-site at 0800 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. Field crew have removed the majority of the vegetation inside the channel and are around the PCH Bridge area. Water level has gone up slightly and the flow was steady throughout the channel, but there were lots of debris in the channel. Sediments were piled up as diversion to control water flow towards the middle located in the channel on the north side of Willow Bridge. Turbidity was slightly high at both internal and downstream sampling points due lots of vegetation. Between 0807 and 00829, 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) on Wednesday 10/31 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/01.
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	8:29	8:13	8:07	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	14.7	14.3	14.6	
pH	7.8	8.02	7.44	
TURBIDITY (NTUs)	2.52	3.36	4.11	
DISSOLVED O ₂ (mg/L)	10.01	9.99	9.59	
TOTAL SUSPENDED SOLIDS (mg/L)	4	3.5	5.5	

Los Angeles River Reach 25 West 11/14/2023				
LATITUDE (approx.)	33.804022	33.800921	33.790174	During Maintenance WQ Monitoring & Sampling Results For Tuesday 11/14, 22nd day of field work, Isaac arrived on-site at 1032 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform water quality sampling and monitoring at Los Angeles River Reach 25 West. Field crew resumed work inside the channel as vegetation removal is being done between the upstream and internal sampling points. Water level has gone up slightly and the flow was steady throughout the channel, but there were lots of debris in the channel. Sediments were piled up as diversion to control water flow towards the middle located in the channel on the north side of Willow Bridge. Turbidity was slightly high at both internal and downstream sampling points due lots of vegetation. Between 1035 and 1110, 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) on Tuesday 11/14 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/15. GMED will now transition to weekly water quality sampling and monitoring.
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	11:10	10:50	10:35	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	18.99	17.59	17.41	
pH	9.42	7.62	8.11	
TURBIDITY (NTUs)	4.9	4.72	5.53	
DISSOLVED O ₂ (mg/L)	9.95	9.86	9.34	
TOTAL SUSPENDED SOLIDS (mg/L)	18	49	12	

Los Angeles River Reach 25 West 12/6/2023				
LATITUDE (approx.)	33.804022	33.800921	33.790174	Post-Work WQ Monitoring & Sampling Results For Wednesday 12/06, Garo arrived on-site at 0715 and met with Carlos Varlea from Stormwater Maintenance Imperial Yard to perform post water quality sampling and monitoring at Los Angeles River Reach 25 West. Field crew completed all vegiation cleanout inside the channel. Water level was down, but there were lots of debris in the channel. Turbidity was slightly high at both internal and downstream sampling points due lots of debris. Between 0718 and 0750, 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) on Wednesday 12/06 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 12/07.
LONGITUDE (approx.)	-118.205717	-118.20572	-118.206032	
ELEVATION (approx.)	17.7	16.4	6.6	
TIME	7:50	7:31	7:18	
SAMPLE NO.	LARR25W-1	LARR25W-2	LARR25W-3	
TEMPERATURE (°C)	18.9	15.4	15.4	
pH	8.24	7.79	7.48	
TURBIDITY (NTUs)	1.56	2.26	3.24	
DISSOLVED O ₂ (mg/L)	9.68	9.96	9.99	
TOTAL SUSPENDED SOLIDS (mg/L)	5	3.4	ND	

Project 74 Reach 26 9/11/2023				
LATITUDE (approx.)	33.874239	33.872023	33.871242	Pre-Clearing/Baseline For Monday, 09/11 – Garo arrived on-site at 0735 and met Anthony Lopez from Stormwater Maintenance 83rd Yard and 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, turbidity, and dissolved oxygen. Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 09/11 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/12. From a water quality standpoint, project is “good to go” for Friday 09/15 start date.
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	
ELEVATION (approx.)	10	10	7	
TIME	7:55	7:38	7:40	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	22.8	22.2	22.4	
pH	8	7.7	7.56	
TURBIDITY (NTUs)	7.23	5.07	4.85	
DISSOLVED O ₂ (mg/L)	9.98	9.96	9.8	
TOTAL SUSPENDED SOLIDS (mg/L)	12	6.5	7	

Project 74 Reach 26 9/15/2023				
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	

ELEVATION (approx.)	10	10	7	For Friday 09/15 – 1st day of field work, Garo arrived on-site at 0750 and met with 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 (photo attached). Field crew were removing vegetation inside the channel. Water was clear and flowing steadily. Noticed lots of debris under the bridge by the internal sampling point. Between 0806 and 0831, 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 09/15 on 24-hour TAT. Results for TSS will be available Monday afternoon, 09/18.
TIME	8:31	8:10	8:06	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	21.7	21.4	21.6	
pH	7.87	7.86	7.41	
TURBIDITY (NTUs)	3.04	2.62	2.44	
DISSOLVED O ₂ (mg/L)	9.37	8.99	9.47	
TOTAL SUSPENDED SOLIDS (mg/L)	2	1.5	1	
Project 74 Reach 26 9/16/2023				
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For 09/16 – 2nd day of field work, Garo arrived on-site at 0750 and met Ricardo Blas 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. Field crew continue to remove vegetation inside the channel. Water was clear and flowing steadily. Turbidity reading was slightly high at the internal sampling point due some little debris in the water. Between 0806 and 0821, 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 09/18 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/19. I informed Ricardo Blas of the turbidity readings in person.
ELEVATION (approx.)	10	10	7	
TIME	8:21	8:10	8:06	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	19.7	19.8	19.9	
pH	7.73	7.23	7.14	
TURBIDITY (NTUs)	2.49	3.43	2.91	
DISSOLVED O ₂ (mg/L)	9.99	9.99	9.99	
TOTAL SUSPENDED SOLIDS (mg/L)	16	8	8	
Project 74 Reach 26 9/18/2023				
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For 09/18 – 3rd day of field work, Garo arrived on-site at 1009 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. Field crew continue to remove vegetation inside the channel. Water was clear and flowing steadily. I informed Ruben Barajas that the BMPs at the internal point needs to fixed cause it was altered with rocks placed under the BMPs. Turbidity reading was slightly high at both the internal and downstream sampling point due some little debris in the water. Between 1013 and 1029, 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 09/18 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/19. I informed Ruben Barajas of the turbidity readings in person.
ELEVATION (approx.)	10	10	7	
TIME	10:29	10:16	10:13	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	21.6	21.8	22.2	
pH	8.18	7.56	7.4	
TURBIDITY (NTUs)	3.62	6.84	5.84	
DISSOLVED O ₂ (mg/L)	9.8	10.01	9.87	
TOTAL SUSPENDED SOLIDS (mg/L)	5.5	5	3.5	
Project 74 Reach 26 9/19/2023				
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For 09/19 – 4th day of field work, Garo arrived on-site at 1000 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. Field crew continue to remove vegetation inside the channel. Water was clear and flowing steadily. The BMPs were aligned correctly at the internal sampling point , after I informed Ruben Barajas. Turbidity reading was slightly high at both the internal sampling point due some little debris in the water. Between 1010 and 1028, 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 09/19 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 09/20. I informed Ruben Barajas of the turbidity readings in person.
ELEVATION (approx.)	10	10	7	
TIME	10:28	10:12	10:10	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	20.4	20.6	20.9	
pH	7.97	7.46	7.03	
TURBIDITY (NTUs)	4.96	6.29	5.84	
DISSOLVED O ₂ (mg/L)	9.28	9.83	9.88	
TOTAL SUSPENDED SOLIDS (mg/L)	16	4.5	5	
Project 74 Reach 26 9/20/2023				
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	For Wednesday 09/20 – 5th day of field work, Garo arrived on-site at 0958 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. Field crew continue to remove vegetation inside the channel. Water was clear and flowing steadily. There were lots of debris as well as a medium size turtle floating in the water flow at the internal. The BMPs were placed at the internal sampling point. Turbidity reading was slightly high at both the internal and downstream sampling point due some little debris in the water. Between 1004 and 1012, 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 09/20 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 09/21. I informed Ruben Barajas of the turbidity readings in person.
ELEVATION (approx.)	10	10	7	
TIME	10:12	10:04	10:07	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	20.6	20.9	21.1	
pH	8.01	7.72	7.51	
TURBIDITY (NTUs)	4.36	7.74	6.92	
DISSOLVED O ₂ (mg/L)	9.27	9.54	9.26	
TOTAL SUSPENDED SOLIDS (mg/L)	14	2	5	
Project 74 Reach 26 9/21/2023				

LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results For Thursday 09/21 – 6th day of field work, Garo arrived on-site at 1009 and met Anthony Lopez 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. Field crew continue to remove vegetation inside the channel. Water was clear and flowing steadily. There were lots of debris as well as a medium size turtle floating in the water flow at the internal. The BMPs were placed at the internal sampling point. Turbidity reading was slightly high at both the internal and downstream sampling point due some little debris in the water. I informed Anthony Lopez to place additional BMPs underneath the Artesia Transient Center Bridge to help with the turbidity readings. Between 1014 and 1022, 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 09/21 on 24-hour TAT. Results for TSS will be available Friday afternoon, 09/22. I informed Anthony Lopez of the turbidity readings in person.
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	
ELEVATION (approx.)	10	10	7	
TIME	10:22	10:14	10:16	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	19.9	19.9	19.9	
pH	7.92	7.34	7.76	
TURBIDITY (NTUs)	3.26	8.51	7.45	
DISSOLVED O ₂ (mg/L)	9.7	9.82	9.42	
TOTAL SUSPENDED SOLIDS (mg/L)	4	3.5	2.5	

Project 74 Reach 26 9/22/2023				
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results For Friday 09/22 – 7th day of field work, Garo arrived on-site at 1000 and met Anthony Lopez 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. An additional BMP was placed on the north end below the Artesia Transient Center Bridge. Field crew continue to remove vegetation inside the channel. Water was clear and flowing steadily. The water color at both internal and downstream sampling points were not very clear. Turbidity reading was slightly high at both the internal and downstream sampling point due water not being clear in the water. Between 1006 and 1015, 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 09/22 on 24-hour TAT. Results for TSS will be available Monday afternoon, 09/22. I informed Anthony Lopez of the turbidity readings in person. GMED will now transition to weekly water quality sampling.
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	
ELEVATION (approx.)	10	10	7	
TIME	10:15	10:06	10:10	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	19.6	19.7	20.1	
pH	8.2	7.77	7.49	
TURBIDITY (NTUs)	3.87	8.42	10.03	
DISSOLVED O ₂ (mg/L)	9.93	9.72	9.43	
TOTAL SUSPENDED SOLIDS (mg/L)	7.5	4.5	5.5	

Project 74 Reach 26 9/28/2023				
LATITUDE (approx.)	33.874239	33.872023	33.871242	During Maintenance WQ Monitoring & Sampling Results For Thursday 09/28 – 12th day of field work, Garo arrived on-site at 0755 to perform 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. Field crew continue to remove vegetation inside the channel as well as the north side of the Artesia Transient Bridge. Water quality was not clear and had some bad odor. The BMPs were placed at the internal sampling point, but was displaced as well as submerged underwater by the accumulation of the retaining water. This caused the turbidity reading to be slightly high at both the internal and downstream sampling point. I informed Anthony Lopez to realign the existing BMPs and to also add sand bags on top of the existing BMPs. Between 0800 and 0815, 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 09/28 on 24-hour TAT. Results for TSS will be available Friday afternoon, 09/29. I informed Anthony Lopez of the turbidity readings in person.
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	
ELEVATION (approx.)	10	10	7	
TIME	8:15	8:00	8:04	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	19.9	19.5	19.7	
pH	7.96	7.72	7.95	
TURBIDITY (NTUs)	5.88	44.1	29	
DISSOLVED O ₂ (mg/L)	9.77	9.54	9.88	
TOTAL SUSPENDED SOLIDS (mg/L)	10	20	44	

Project 74 Reach 26 10/5/2023				
LATITUDE (approx.)	33.874239	33.872023	33.871242	Post-Work WQ Monitoring & Sampling Results For Thursday 10/05 – Garo arrived on-site at 0800 to post perform 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. Field crew completed all vegetation removal and the BMPs were removed. Water flow was steady but the water quality was not clear. Between 0806 and 0828, 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 10/05 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/06.
LONGITUDE (approx.)	-118.290403	-118.29044	-118.290309	
ELEVATION (approx.)	10	10	7	
TIME	8:28	8:06	8:10	
SAMPLE NO.	Proj74-1	Proj74-2	Proj74-3	
TEMPERATURE (°C)	18.8	19.1	19	
pH	7.96	7.33	7.64	
TURBIDITY (NTUs)	4.16	5.28	4.54	
DISSOLVED O ₂ (mg/L)	9.86	9.98	9.95	
TOTAL SUSPENDED SOLIDS (mg/L)	8	5	3.5	

Rivas Canyon Channel Reach 119 11/2/2023				
LATITUDE (approx.)				Pre-Clearing/Baseline For Thursday November 02, 2023, Garo arrived on-site at 0925 perform baseline water quality sampling and monitoring at Rivas Canyon Channel Reach 119. Attached photo is the internal sampling point located west of the cul-da-sac of Rustic Creek Road, off the southeast side of Sunset Blvd. The section as well as the entire extent of Reach 119 was dry. No water sampling was performed because the project did not meet Regional Water Quality Board permit requirements. GMED will perform daily site checks to evaluate site conditions and will perform water quality monitoring, if warranted. From a water quality standpoint, project is “good to go” for start on Monday 11/06.
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				

TOTAL SUSPENDED SOLIDS (mg/L)				
Rivas Canyon Channel Reach 119 11/6/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For Monday November 06, 2023, Garo arrived on-site at 0912 and met with Rodney Nungaray from Stormwater Maintenance 83rd Yard to perform water quality sampling and monitoring at Rivas Canyon Channel Reach 119. Field crew are inside the channel removing vegetation. Attached photo is the internal sampling point located west of the cul-da-sac of Rustic Creek Road, off the southeast side of Sunset Blvd. The section as well as the entire extent of Reach 119 was dry. No water sampling was performed because the project did not meet Regional Water Quality Board permit requirements. GMED will perform daily site checks to evaluate site conditions and will perform water quality monitoring, if warranted.
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
Rivas Canyon Channel Reach 119 11/7/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For Tuesday November 07, 2023, 2nd day of field work, Garo arrived on-site at 0858 and met with Max Dizon from Stormwater Maintenance 83rd Yard to perform water quality sampling and monitoring at Rivas Canyon Channel Reach 119. Field crew continue to work inside the channel removing vegetation. Attached photo is the internal sampling point located west of the cul-da-sac of Rustic Creek Road, off the southeast side of Sunset Blvd. The section as well as the entire extent of Reach 119 was dry. No water sampling was performed because the project did not meet Regional Water Quality Board permit requirements. GMED will perform daily site checks to evaluate site conditions and will perform water quality monitoring, if warranted.
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
Rivas Canyon Channel Reach 119 11/8/2023				
LATITUDE (approx.)				Post-Work WQ Monitoring & Sampling Results For Wednesday November 08, 2023, Garo arrived on-site at 0858 and met with both Rodney Nungaray and Ricardo Blas from Stormwater Maintenance 83rd Yard to perform post water quality sampling and monitoring at Rivas Canyon Channel Reach 119. Field crew have completed removing vegetation from inside the channel. Attached photo is the internal sampling point located west of the cul-da-sac of Rustic Creek Road, off the southeast side of Sunset Blvd. The section as well as the entire extent of Reach 119 was dry. No water sampling was performed because the project did not meet Regional Water Quality Board permit requirements.
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				

Rustic Canyon Channel Reach 118 11/2/2023				
LATITUDE (approx.)	34.0439663	34.0435221	34.035322	Pre-Clearing/Baseline For Thursday 11/02, Garo arrived onsite to perform baseline water quality monitoring and sampling at the Rustic Canyon Channel Reach 118. Baseline was done four (4) days prior to start date. Water flow was steady. Work was in progress for the Emergency Wall repair at 601 Hightree Rd. Location is between internal and downstream of the Rustic Canyon Channel SBC area. Between 0909 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 Thursday 11/02 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/03. From a water quality standpoint, project is "good to go" for start on Monday 11/06.
LONGITUDE (approx.)	-118.512899	-118.513114	-118.517736	
ELEVATION (approx.)	176	174	82	
TIME	9:30	9:25	9:09	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	15	15.2	15.7	
pH	7.05	7.32	8	
TURBIDITY (NTUs)	0.74	0.58	30.3	
DISSOLVED O ₂ (mg/L)	10.01	10.01	10	
TOTAL SUSPENDED SOLIDS (mg/L)	2.5	3	21	
Rustic Canyon Channel Reach 118 11/6/2023				
LATITUDE (approx.)	34.0439663	34.0435221	34.035322	During Maintenance WQ Monitoring & Sampling Results For Monday 11/06, 1st day of field work, Garo arrived onsite and met with Rodney Nungaray with Stormwater Maintenance 83rd Yard to perform water quality monitoring and
LONGITUDE (approx.)	-118.512899	-118.513114	-118.517736	
ELEVATION (approx.)	176	174	82	
TIME	9:20	9:25	9:05	

SAMPLE NO.	RCC-1	RCC-2	RCC-3	sampling at the Rustic Canyon Channel Reach 118. Field crew are working inside where Rivas and Rustic connect. Water flow was steady. Turbidity reading was slightly high at the internal, but high in double digits at the downstream due to work was in progress for the Emergency Wall repair at 601 Hightree Rd. Location is between internal and downstream of the Rustic Canyon Channel SBC area. Between 0905 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 Monday 11/06 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/07.
TEMPERATURE (°C)	17.1	16.4	16.9	
pH	7.81	7.69	7.91	
TURBIDITY (NTUs)	2	3.83	15.6	
DISSOLVED O ₂ (mg/L)	9.71	9.97	9.77	
TOTAL SUSPENDED SOLIDS (mg/L)	5.5	3.5	5	
Rustic Canyon Channel Reach 118 11/7/2023				
LATITUDE (approx.)	34.0439663	34.0435221	34.035322	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.512899	-118.513114	-118.517736	For Tuesday 11/07, 2nd day of field work, Garo arrived onsite at 0819 and met with Max Dizon from Stormwater Maintenance 83rd Yard to perform water quality monitoring and sampling at the Rustic Canyon Channel Reach 118. Field crew continue to work inside where Rivas and Rustic connect. Water flow was steady. Turbidity reading was slightly high at both the internal and downstream. The turbidity at the downstream is due to work was in progress for the Emergency Wall repair at 601 Hightree Rd. Location is between internal and downstream of the Rustic Canyon Channel SBC area. Between 0835 and 0849, 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 Tuesday 11/07 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/08.
ELEVATION (approx.)	176	174	82	
TIME	8:49	8:46	8:35	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	19	19.3	18.8	
pH	7.81	7.35	7.52	
TURBIDITY (NTUs)	0.61	0.86	2.63	
DISSOLVED O ₂ (mg/L)	9.59	9.96	9.94	
TOTAL SUSPENDED SOLIDS (mg/L)	2.5	3	3	
Rustic Canyon Channel Reach 118 11/8/2023				
LATITUDE (approx.)	34.0439663	34.0435221	34.035322	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.512899	-118.513114	-118.517736	For Wednesday 11/08, 3rd day of field work, Garo arrived onsite at 0925 and met with both Rodney Nungaray and Ricardo Blas from Stormwater Maintenance 83rd Yard to perform water quality monitoring and sampling at the Rustic Canyon Channel Reach 118. Field crew continue to work downstream of the channel. Water flow was steady. Turbidity reading was slightly high at both the internal and downstream. The turbidity at the downstream is due to work was in progress for the Emergency Wall repair at 601 Hightree Rd. Location is between internal and downstream of the Rustic Canyon Channel SBC area. Between 0925 and 0949, 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 11/08 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/09.
ELEVATION (approx.)	176	174	82	
TIME	9:49	9:44	9:32	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	18.9	18.6	17.8	
pH	7.72	7.63	7.96	
TURBIDITY (NTUs)	1.22	2.72	5.53	
DISSOLVED O ₂ (mg/L)	9.66	9.96	9.88	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	2	3.5	
Rustic Canyon Channel Reach 118 11/9/2023				
LATITUDE (approx.)	34.0439663	34.0435221	34.035322	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.512899	-118.513114	-118.517736	For Thursday 11/09, 4th day of field work, Garo arrived onsite at 0925 and met with Rodney Nungaray from Stormwater Maintenance 83rd Yard to perform water quality monitoring and sampling at the Rustic Canyon Channel Reach 118. Field crew continue to work downstream of the channel. Water flow was steady. Turbidity reading was slightly high at both the internal and downstream. The turbidity at the downstream is due to work was in progress for the Emergency Wall repair at 601 Hightree Rd. Location is between internal and downstream of the Rustic Canyon Channel SBC area. I informed Ricardo Blas to place some straw paddle BMPs with sand bags at the soft bottom to concrete line transition to help with the downstream turbidity readings. Between 0930 and 1011, 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 11/09 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/10. I informed Ricardo Blas of the turbidity readings via phone call.
ELEVATION (approx.)	176	174	82	
TIME	9:30	10:05	10:11	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	18.5	18.3	18.1	
pH	7.6	7.54	7.84	
TURBIDITY (NTUs)	1.04	1.98	5.17	
DISSOLVED O ₂ (mg/L)	9.71	9.6	9.9	
TOTAL SUSPENDED SOLIDS (mg/L)	2.5	4.5	1	
Rustic Canyon Channel Reach 118 11/10/2023				
LATITUDE (approx.)	34.0439663	34.0435221	34.035322	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.512899	-118.513114	-118.517736	For Friday 11/10, 5th day of field work, Garo arrived onsite at 00800 and met with Stormwater Maintenance 83rd Yard field crew to perform water quality monitoring and sampling at the Rustic Canyon Channel Reach 118. Field crew continue to work downstream of the channel. Water flow was steady. Field crew were mobilizing at the end of West Rustic Road. Field crew will place a straw paddle BMPs at the downstream later today. Turbidity reading was slightly high at both the internal and downstream. The turbidity at the downstream is due to work was in progress for the Emergency Wall repair at 601 Hightree Rd. Location is between internal and downstream of the Rustic Canyon Channel SBC area. Between 0809 and 0825, 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 11/10 on 24-hour TAT. Results for TSS will be available Monday afternoon, 11/13.
ELEVATION (approx.)	176	174	82	
TIME	8:25	8:20	8:09	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	16.3	16.1	16.2	
pH	7.69	7.9	7.31	
TURBIDITY (NTUs)	0.28	1	6.19	
DISSOLVED O ₂ (mg/L)	9.96	9.94	10.01	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	1	6	
Rustic Canyon Channel Reach 118 11/11/2023				
LATITUDE (approx.)	34.0439663	34.0435221	34.035322	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.512899	-118.513114	-118.517736	

ELEVATION (approx.)	176	174	82	For Saturday 11/11, 6th day of field work, Garo arrived onsite at 0800 and met with Stormwater Maintenance 83rd Yard field crew to perform water quality monitoring and sampling at the Rustic Canyon Channel Reach 118. Field crew placed two (2) BMPs at the downstream. One at the soft bottom to concrete line transition and the other underneath the bridge (photos attached). Field crew continues to work downstream of the channel. Water flow was steady. Turbidity reading was slightly high at both the internal and downstream, but there readings are low than before . Between 0807 and 0840, 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 11/13 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/14.
TIME	8:40	8:35	8:07	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	11.5	11.5	11.5	
pH	7.46	7.68	8.06	
TURBIDITY (NTUs)	0.45	1.7	2.26	
DISSOLVED O ₂ (mg/L)	9.9	9.8	9.87	
TOTAL SUSPENDED SOLIDS (mg/L)	32	38	76	

Rustic Canyon Channel Reach 118 11/13/2023				
LATITUDE (approx.)	34.0439663	34.0435221	34.035322	During Maintenance WQ Monitoring & Sampling Results For Monday 11/13, 7th day of field work, Garo arrived onsite at 0930 and met with Stormwater Maintenance 83rd Yard field crew to perform water quality monitoring and sampling at the Rustic Canyon Channel Reach 118. Field crew placed three BMPs at the downstream location including under the bridge and another just few feet south of the second BMP. I did notice the water clarity was very dirty at the downstream point due to the Emergency Wall Repair at 601 Hightree Road where the contractor is using heavy equipment which is causing a disturbance in the sediment (photo attached). Upstream water clarity is clear. Field crew continues to work downstream of the channel. Water flow was steady. Turbidity reading was slightly high the internal and extremely high at the downstream. The turbidity unit for the downstream was measured at Attenuation (AU). Between 0938 and 1009, 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 11/13 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/14.
LONGITUDE (approx.)	-118.512899	-118.513114	-118.517736	
ELEVATION (approx.)	176	174	82	
TIME	10:09	10:05	9:38	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	17.4	18.3	18.2	
pH	7.49	7.43	8	
TURBIDITY (NTUs)	0.77	16.1	820(AU)	
DISSOLVED O ₂ (mg/L)	9.8	9.51	9.91	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	1	440	

Rustic Canyon Channel Reach 118 11/28/2023				
LATITUDE (approx.)	34.0439663	34.0435221	34.035322	Post-Work WQ Monitoring & Sampling Results For Tuesday 11/28, Garo arrived onsite at 0805 to perform post water quality monitoring and sampling at the Rustic Canyon Channel Reach 118. Field crew have completed all vegetation removal and removed all BMPs as well. Water quality was clear as well as a steady flow inside the channel. Turbidity was slightly high at the downstream. Between 0810 and 0918, 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 Tuesday 11/28 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/29.
LONGITUDE (approx.)	-118.512899	-118.513114	-118.517736	
ELEVATION (approx.)	176	174	82	
TIME	9:25	9:18	8:10	
SAMPLE NO.	RCC-1	RCC-2	RCC-3	
TEMPERATURE (°C)	13.4	13.5	14.3	
pH	7.68	7.35	14.3	
TURBIDITY (NTUs)	0.83	0.6	1.32	
DISSOLVED O ₂ (mg/L)	9.62	9.7	10	
TOTAL SUSPENDED SOLIDS (mg/L)	2.6	ND	ND	

San Gabriel River Reach 43 9/14/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	Pre-Clearing/Baseline For Thursday, 09/14 – Garo arrived on the jobsite at 0720 met with Steve Garcia and Tommy Atencio from Stormwater Maintenance Rio Hondo Yard and performed pre-work baseline monitoring and sampling at upstream, internal, and downstream points at the San Gabriel River Reach 43. The water flow was steady. Stormwater Engineering is releasing water from the accumulated areas from the past season rain. Baseline monitoring and sampling was performed four (4) days prior of cleanout start date. Between 0733 and 0804, 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 09/14 on 24-hour TAT. Results for TSS will be available Friday afternoon, 09/15. From a water quality standpoint, project is “good to go” for start on Monday 09/18.
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME	7:33	7:52	8:04	
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	24.9	24.6	24.2	
pH	7.63	7.06	7.36	
TURBIDITY (NTUs)	1.62	8.79	4.84	
DISSOLVED O ₂ (mg/L)	9.55	9.76	9.78	
TOTAL SUSPENDED SOLIDS (mg/L)	5	22	12	

San Gabriel River Reach 43 9/18/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results For Monday 09/18 – 1st day of field work, Garo arrived on-site at 0730 and met with Tommy Atencio from Stormwater Maintenance Rio Hondo Yard to perform water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43 Field crew began working on vegetation removal between the rip-rap rocks and channel creek. Stormwater Engineering continues to release water from the accumulated areas from the past season rain. There were lots of debris, birds and ducks inside the channel. Even though water was clear, but you could see lots of small debris and ducks inside the channel. Turbidity readings were slightly high at both internal and downstream sampling points due to the debris and ducks inside the channel. Between 0735 and 0805, 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 09/18 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 09/19. I informed Manuel Avala of the turbidity results.
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME	7:35	7:43	8:05	
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	24.7	23.9	22.4	
pH	7.56	7.9	7.54	
TURBIDITY (NTUs)	1.44	4.42	6.52	
DISSOLVED O ₂ (mg/L)	9.18	9.98	9.46	

TOTAL SUSPENDED SOLIDS (mg/L)	3.5	6	10	
San Gabriel River Reach 43 9/19/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results For Tuesday 09/19 – 2nd day of field work, Garo arrived on-site at 0726 and met with Tommy Atencio from Stormwater Maintenance Rio Hondo Yard to perform water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43 Field crew continue to working on vegetation removal between the rip-rap rocks and channel creek. Stormwater Engineering continues to release water from the accumulated areas from the past season rain. I noticed lots of larvae inside the water from both internal and downstream points. Also there are still lots of debris, birds and ducks inside the channel. Turbidity readings were slightly high at both internal and downstream sampling points due to the debris and ducks inside the channel. Between 0734 and 0804, 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 09/19 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 09/20. I informed Tommy Atencio of the turbidity results.
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME	7:34	7:52	8:04	
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	23.5	22.9	22.3	
pH	7.67	6.98	7.21	
TURBIDITY (NTUs)	1.87	4.3	5.33	
DISSOLVED O ₂ (mg/L)	1.87	4.3	5.33	
TOTAL SUSPENDED SOLIDS (mg/L)	2.5	4	10	
San Gabriel River Reach 43 9/20/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results For Wednesday 09/20 – 3rd day of field work, Garo arrived on-site at 0726 and met with Tommy Atencio from Stormwater Maintenance Rio Hondo Yard to perform water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43 Field crew continue to working on vegetation removal between the rip-rap rocks and channel creek. Stormwater Engineering continues to release water from the accumulated areas from the past season rain. There is still lots of larvae inside the water from both internal and downstream points. Also there are still lots of debris, birds and ducks inside the channel. Turbidity readings were slightly high at both internal and downstream sampling points due to the debris and ducks inside the channel. Between 0742 and 0806, 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 09/20 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 09/21. I informed Tommy Atencio of the turbidity results.
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME	7:42	7:55	8:06	
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	23.3	22.6	22.2	
pH	7.58	7.7	7.53	
TURBIDITY (NTUs)	1.61	5.8	6.76	
DISSOLVED O ₂ (mg/L)	9.58	9.35	9.36	
TOTAL SUSPENDED SOLIDS (mg/L)	1	4	11	
San Gabriel River Reach 43 9/21/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results For Thursday 09/21 – 4th day of field work, Garo arrived on-site at 0726 and met with Tommy Atencio from Stormwater Maintenance Rio Hondo Yard to perform water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43 Field crew continue to working on vegetation removal between the rip-rap rocks and channel creek. Stormwater Engineering continues to release water from the accumulated areas from the past season rain. There is still lots of larvae inside the water from both internal and downstream points. Also there are still lots of debris, birds and ducks inside the channel. Turbidity readings were slightly high at both internal and downstream sampling points due to the debris and ducks inside the channel. Between 0742 and 0806, 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 09/21 on 24-hour TAT. Results for TSS will be available Friday afternoon, 09/22. I informed Tommy Atencio of the turbidity results.
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME	7:36	7:54	8:04	
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	24.6	24.7	22.8	
pH	7.36	7.14	7.38	
TURBIDITY (NTUs)	1.66	3.23	3.88	
DISSOLVED O ₂ (mg/L)	9.84	9.77	10.02	
TOTAL SUSPENDED SOLIDS (mg/L)	1	4	5	
San Gabriel River Reach 43 9/22/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results For Friday 09/22 – 5th day of field work, Garo arrived on-site at 0720 and met with Orlando Almader from Stormwater Maintenance Rio Hondo Yard to perform water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43 Field crew continue to working on vegetation removal between the rip-rap rocks and channel creek. The good majority of vegetation has been removed inside the channel. Stormwater Engineering continues to release water from the accumulated areas from the past season rain. There is still lots of larvae inside the water from both internal and downstream points. Also there are still lots of debris, birds and ducks inside the channel. Turbidity readings were slightly high at both internal and downstream sampling points due to the debris and ducks inside the channel. Between 0730 and 0750, 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 09/22 on 24-hour TAT. Results for TSS will be available Monday afternoon, 09/25. I informed Orlando Almader of the turbidity results.
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME	7:30	7:42	7:50	
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	22.7	22.1	21.6	
pH	8	7.09	7.04	
TURBIDITY (NTUs)	1.47	3.91	3.92	
DISSOLVED O ₂ (mg/L)	9.93	9.63	9.71	
TOTAL SUSPENDED SOLIDS (mg/L)	4	12	10	
San Gabriel River Reach 43 9/25/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results For Monday 09/25 – 6th day of field work, Garo arrived on-site at 0925 and met with Tommy Atencio from Stormwater Maintenance Rio Hondo Yard to perform water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43. Field crew continue to working on vegetation removal between the rip-rap rocks and channel creek. The good majority of vegetation has been removed inside the channel. There is still lots of larvae inside the water from both internal and downstream points. Also there are still lots of debris, birds and ducks inside the channel. Turbidity readings were slightly high at both internal and downstream sampling points due to the debris and ducks inside the channel. Between 0939 and 1002, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen.
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME	9:39	9:52	10:02	
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	21.4	21.4	20.9	
pH	7.68	7.81	7	

TURBIDITY (NTUs)	1.62	6.11	4.84	Samples collected will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) Monday 09/25 on 24-hour TAT. Results for TSS will be available Monday afternoon, 09/26. I informed Tommy Atencio of the turbidity results.
DISSOLVED O ₂ (mg/L)	9.33	9.51	9.74	
TOTAL SUSPENDED SOLIDS (mg/L)	1	22	10	
San Gabriel River Reach 43 9/26/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	For Tuesday 09/26 – 7th day of field work, Isaac arrived on-site at 0845 and met with Tommy Atencio from Stormwater Maintenance Rio Hondo Yard to perform water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43. Field crew continue to working on vegetation removal between the rip-rap rocks and channel creek. The good majority of vegetation has been removed inside the channel. There is still lots of larvae and algae inside the water from both internal and downstream points. Also there are still lots of debris, birds and ducks inside the channel. Turbidity readings were slightly high at both internal and downstream sampling points due to the debris and ducks and algae at the downstream inside the channel. Between 0850 and 0922, 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 09/26 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 09/27. GMED will now transition to weekly water quality sampling and monitoring.
ELEVATION (approx.)	199	198	192	
TIME	8:50	9:08	9:22	
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	21.88	21.86	21.14	
pH	6.56	7.3	7.55	
TURBIDITY (NTUs)	1.53	5.51	8.93	
DISSOLVED O ₂ (mg/L)	9.32	9.22	9.14	
TOTAL SUSPENDED SOLIDS (mg/L)	1.5	12	28	
San Gabriel River Reach 43 10/3/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	For Tuesday 10/03 – 12th day of field work, Isaac arrived on-site at 07:30 and met with Tommy Atencio from Stormwater Maintenance Rio Hondo Yard to perform water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43. Field crew continue to working on vegetation removal between the rip-rap rocks and channel creek. The good majority of vegetation has been removed inside the channel. There is still lots of larvae and algae inside the water from both internal and downstream points. There are still lots of debris, birds and ducks inside the channel. Turbidity readings were slightly high at both internal and downstream sampling points due to the debris and ducks and algae at the downstream inside the channel. Between 0745 and 0828, 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 10/03 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/04. GMED will continue to weekly water quality sampling and monitoring.
ELEVATION (approx.)	199	198	192	
TIME	7:45	8:10	8:28	
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	16.58	17.28	17.61	
pH	8.16	7.71	7.26	
TURBIDITY (NTUs)	2.36	4.62	9.63	
DISSOLVED O ₂ (mg/L)	9.91	9.15	9.11	
TOTAL SUSPENDED SOLIDS (mg/L)	3	7	22	
San Gabriel River Reach 43 10/10/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	For Tuesday 10/10 – 16th day of field work, Garo arrived on-site at 1000 and performed water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43. Field crew have made their way down south of the channel and continue to work on vegetation removal between the rip-rap rocks and channel creek. There is still lots of larvae and algae inside the water from both internal and downstream points. There are still lots of debris, birds and ducks inside the channel. Turbidity readings were slightly high at both internal and downstream sampling points due to the debris and ducks and algae at the downstream inside the channel. Between 1012 and 1040, 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 10/10 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/11. GMED will continue to weekly water quality sampling and monitoring.
ELEVATION (approx.)	199	198	192	
TIME	10:12	10:20	10:40	
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	23.7	22.6	22.1	
pH	8.24	7.21	8.01	
TURBIDITY (NTUs)	1.35	4.66	3.28	
DISSOLVED O ₂ (mg/L)	9.29	10.02	9.65	
TOTAL SUSPENDED SOLIDS (mg/L)	9.5	7	5	
San Gabriel River Reach 43 10/24/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	For Tuesday 10/24 – 21th day of field work, Isaac arrived on-site at 1000 and performed water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43. Field crew have made their way down south of the channel and continue to work on vegetation removal between the rip-rap rocks and channel creek. There is still lots of larvae and algae inside the water from both internal and downstream points. There are still lots of debris, birds and ducks inside the channel. The dam was closed and no water was running into the river (attached Photo). No samples were taken due to no water flow. GMED will continue to weekly water quality sampling and monitoring.
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 43 10/31/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	For October 31, 2023, 26th day of field work, I arrived on site about 0928, to evaluate surface water flow prior to initiating water quality monitoring and sampling at upstream, internal, and downstream points. Attached is a photo of the downstream sampline point of Reach 43 at the Beverly Blvd bridge. The view is from the west levee. As shown, the
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	

TEMPERATURE (°C)				downstream was dry. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will transition to water quality monitoring the area to re-confirm conditions
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 43 11/7/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results For November 07, 2023, 31st day of field work, Garo arrived on site about 0659, to evaluate surface water flow prior to initiating water quality monitoring and sampling at upstream, internal, and downstream points. Attached is a photo of the downstream sampling point of Reach 43 at the Beverly Blvd bridge. The view is from the west levee. As shown, the downstream was dry. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will transition to water quality monitoring the area to re-confirm conditions
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 43 11/14/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results For November 14, 2023, 36th day of field work, Isaac arrived on site about 0100, to evaluate surface water flow prior to initiating water quality monitoring and sampling at upstream, internal, and downstream points. Attached is a photo of the Upstream sampling point of Reach 43 at the Dam. The view is from the west levee. As shown, the Upstream was dry. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will transition to water quality monitoring the area to re-confirm conditions
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 43 11/21/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results For November 21, 2023, 41st day of field work, Isaac arrived on site about 1030 to evaluate surface water flow prior to initiating water quality monitoring and sampling at upstream, internal, and downstream points. Attached is a photo of the Upstream sampling point of Reach 43 at the Dam. The view is from the west levee. As shown, the Upstream was dry. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will transition to water quality monitoring the area to re-confirm conditions
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME				
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 43 12/5/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results For Tuesday 12/05 – 50th of day of field work, Isaac arrived on-site at 0900 and performed water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43. No water sampling was done last week (11/28/23) due to a emergency work related matter. Field crew have made their way downs south of the channel towards Whitter Blvd and continue to work on vegetation removal between the rip-rap rocks and channel creek. There is still lots of larvae and algae inside the water from both internal and downstream points. There are still lots of debris, birds and ducks inside the channel. Turbidity readings were slightly high at internal sampling points due to the debris and ducks and algae at the downstream inside the channel. Between 0907 and 0947, 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 12/05 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 12/06. GMED will continue to weekly water quality sampling and monitoring.
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME	9:37	9:47	9:07	
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	21.1	18.9	18.5	
pH	8.4	7.87	7.53	
TURBIDITY (NTUs)	1.95	2.8	2.24	
DISSOLVED O ₂ (mg/L)	9.84	9.95	9.58	
TOTAL SUSPENDED SOLIDS (mg/L)	6.4	ND	ND	
San Gabriel River Reach 43 12/26/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	

TIME				
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	For December 26, 2023 Armando Olmos Bahena and Garo arrived on site at 0845, to perform water quality sampling and monitoring at San Gabriel River Reach 43. Attached is the photo upstream sampling point of Reach 43 and the south side view of San Gabriel River Bridge. As shown in the picture, water flowing on the concrete outlet apron of the Whittier Dam (across center of picture). Surface water flowing across the apron into the upstream portion of Reach 43. Surface water relocated underground before reaching the internal and downstream points. No water sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB).
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 43 1/2/2024				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME	7:05	7:15	7:30	For Tuesday 01/02 – 60th of day of field work, Garo arrived on-site at 0700 and performed water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43. Field crew are still working around the Beverly Blvd. bridge even on the slopes. There is still lots of larvae and algae inside the water from both internal and downstream points. Between 0705 and 0730, 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 01/02 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 01/03. GMED will continue to weekly water quality sampling and monitoring.
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	13.6	13	12.8	
pH	8.19	7.48	7.49	
TURBIDITY (NTUs)	9.83	9.58	7.82	
DISSOLVED O ₂ (mg/L)	9.59	9.32	9.3	
TOTAL SUSPENDED SOLIDS (mg/L)	7.6	9.6	5.6	
San Gabriel River Reach 43 10/10/2023				
LATITUDE (approx.)	34.0206918	34.0139623	34.0067324	Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.056187	-118.062781	-118.068818	
ELEVATION (approx.)	199	198	192	
TIME	7:34	7:42	7:14	For Tuesday 01/07 – Armando Olmos Bahena and Garo arrived on-site at 0708 and performed post water quality sampling and monitoring at upstream, internal, and downstream points at San Gabriel River Reach 43. Field crew have completed all vegetation removal inside the channel. Water levels were low and steady. Between 0714 and 0742, 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 01/09 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 01/10..
SAMPLE NO.	SGRR43-1	SGRR43-2	SGRR43-3	
TEMPERATURE (°C)	5.69	8.29	7.39	
pH	9.23	9.57	9.32	
TURBIDITY (NTUs)	7.47	4.88	2.95	
DISSOLVED O ₂ (mg/L)	9.86	9.27	10.01	
TOTAL SUSPENDED SOLIDS (mg/L)	8.4	14	3.8	

San Gabriel River Reach 44 9/13/2023				
LATITUDE (approx.)				Pre-Clearing/Baseline
LONGITUDE (approx.)				
ELEVATION (approx.)				For September 13, 2023, Garo arrived on site about 0912 to evaluate surface water flow prior to initiating baseline monitoring and sampling at upstream, internal, and downstream. 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. As shown in the picture, the majority of the area was dry. Baseline water quality monitoring and sampling 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 09/18.
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44 9/18/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				For September 18, 2023, Garo arrived on site about 0830 to evaluate surface water flow prior to initiating baseline monitoring and sampling at upstream, internal, and downstream. 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. As shown in the picture, the majority of the area was dry. Baseline water quality monitoring and sampling 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 09/25.
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				

TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44 9/25/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				For September 25, 2023, Garo arrived on site about 0911 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. The two pictures are both of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel between the Rubber dam and Washington Blvd. Even though water flow is coming down the rubber dam, the water is not flowing through the remaining channel. The majority of 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 9/26/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				For September 26, 2023, Isaac arrived on site about 10:00 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. The two pictures are both of the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel between the Rubber dam and Washington Blvd. Even though water flow is coming down the rubber dam, the water is not flowing through the remaining channel. The majority of 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 condition.
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 9/27/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				For September 27, 2023, Garo arrived on site about 0700 to evaluate surface water flow prior to initiating baseline monitoring and sampling at upstream, internal, and downstream. 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. As shown in the picture, the majority of the area was dry. Baseline water quality monitoring and sampling 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 10/02.
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 10/3/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				For October 3, 2023, 1st Day of field work, Isaac arrived on site about 9:00 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. A small low flow of water is coming down the rubber dam, the water is not flowing through the remaining channel. The majority of 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 condition.
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 10/4/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				For October 04, 2023, Issac Ochoa and Garo arrived on site about 0648 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. Attached photo is the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel between the Rubber dam and Washington Blvd. Even though water flow is coming down the rubber dam, the water is not flowing through the remaining channel. The majority of 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-
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				

TURBIDITY (NTUs)				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 condition.
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44		10/5/2023		
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For October 05, 2023, Issac Ochoa and Garo arrived on site about 0648 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. Attached photo is the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel between the Rubber dam and Washington Blvd. Even though water flow is coming down the rubber dam, the water is not flowing through the remaining channel. The majority of 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 condition.
LONGITUDE (approx.)				
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		10/6/2023		
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For October 06 2023, 4th day of field work, Garo arrived on site about 0648 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. Attached photo is the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel between the Rubber dam and Washington Blvd. Even though water flow is coming down the rubber dam, the water is not flowing through the remaining channel. The majority of 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 condition.
LONGITUDE (approx.)				
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		10/10/2023		
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For October 10 2023, 5th day of field work, Garo arrived on site about 0936 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. Attached photos is the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel between the Rubber dam and Washington Blvd. Even though water flow is coming down the rubber dam, the water is not flowing through the remaining channel. The majority of 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 condition.
LONGITUDE (approx.)				
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		10/11/2023		
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For October 11 2023, 6th day of field work, Garo arrived on site about 0700 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. Attached photos is the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel between the Rubber dam and Washington Blvd. Even though water flow is coming down the rubber dam, the water is not flowing through the remaining channel. The majority of 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 condition.
LONGITUDE (approx.)				
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		10/12/2023		
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For October 12 2023, 7th day of field work, Isaac arrived on site about 0710 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. Attached photos is the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel between the Rubber dam and Washington Blvd. Water made its way to just before the internal sampling point north of Washington Blvd where the water percolated underneath the sediment. The majority of the area
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				

TEMPERATURE (°C)				<p>Water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). GMED will now transition to weekly water quality continue to monitor the area to re-confirm condition.</p>
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
San Gabriel River Reach 44		10/19/2023		
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				<p>For October 19 2023, 9th day of field work, Garo arrived on site about 0958 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. Attached photos is the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel between the Rubber dam and Washington Blvd. Even though water flow is coming down the rubber dam, the water is not flowing through the remaining channel. The majority of 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 condition.</p>
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		11/2/2023		
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				<p>For November 2, 2023 19th day of field work, Isaac arrived on site about 1215 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. Attached photos is the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel between the Rubber dam and Washington Blvd. 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 condition.</p>
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		11/9/2023		
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				<p>For November 9, 2023 24th day of field work, Isaac arrived on site about 1200 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. Attached photos is the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel between the Rubber dam and Washington Blvd. 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 condition.</p>
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		11/30/2023		
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)				<p>For November 30, 2023 34th day of field work, Garo arrived on site about 0700 to evaluate surface water flow to perform water quality sampling at the upstream, internal, and downstream. There was no water sampling done the last two Thursdays due to rain 11/15/23 and Thanksgiving holiday 11/23/23. Attached two (2) photos are the upstream sampling point located end of Reach 44 Lower @ at Rubber Dam #2 and mid channel approximately .33 mile south of the upstream. As seen in the photo there is no water flow as well as water being percolated in the sediment. 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 condition.</p>
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		12/6/2023		
LATITUDE (approx.)				Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)				
ELEVATION (approx.)				

TIME				For December 6, 2023, Garo arrived on site about 0850 to perform post water quality sampling at the upstream, internal, and downstream at San Gabriel River Reach 44evaluate. Attached photos is the downstream sampling point located end of Lower 2 just north of Firestone Blvd bridge. Field crew have completed all vegetation removal inside the channel. As shown in the photo, the channel is 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 condition.
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				

San Gabriel River Reach 115				9/27/2023
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	Pre-Clearing/Baseline For Wednesday 09/27, Garo arrived at 0740 and met with Tommy Atencio 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 five (5) 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 09/27 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 09/28. From a water quality standpoint, project is "good to go" for start on Monday 10/02.
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	7:36	7:45	7:58	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	21.7	21.6	21	
pH	7.07	7.02	7.01	
TURBIDITY (NTUs)	2.21	3.36	4.04	
DISSOLVED O ₂ (mg/L)	9.69	10	9.88	
TOTAL SUSPENDED SOLIDS (mg/L)	2.5	5.5	4.5	

San Gabriel River Reach 115				10/4/2023
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results For Wednesday 10/04, Isaac Ochoa and Garo arrived at 0716 and performed 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 six (6) days prior to start date. Between 0721 and 0736, 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 10/04 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/05. From a water quality standpoint, project is "good to go" for start on Tuesday 10/10.
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	7:21	7:28	7:36	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	18.4	18.8	19.1	
pH	7.5	6.88	7.23	
TURBIDITY (NTUs)	3.49	8.68	3.65	
DISSOLVED O ₂ (mg/L)	9.62	9.05	9.79	
TOTAL SUSPENDED SOLIDS (mg/L)	7	28	12	

San Gabriel River Reach 115				10/10/2024
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results For Tuesday 10/10, 1st day of field work. Garo arrived onsite at 0820 and met with Orlando Almader from 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. The BMP has been placed inside the channel (photo attached). Water quality was clear and normal. Field crews were removing vegetation along the rip-rap slope. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0829 and 0850, 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 10/10 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/11.
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	8:29	8:43	8:50	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	21	20.9	20.9	
pH	7.38	7.14	7.44	
TURBIDITY (NTUs)	5.13	3.34	2.64	
DISSOLVED O ₂ (mg/L)	9.5	9.9	9.52	
TOTAL SUSPENDED SOLIDS (mg/L)	2.5	18	11	

San Gabriel River Reach 115				10/11/2023
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results For Tuesday 10/11, 2nd day of field work. Isaac arrived onsite at 0820 and met with Orlando Almader from 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. The BMP has been placed inside the channel. Water quality was clear and normal. Field crews were removing vegetation along the rip-rap slope. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0827 and 0849, 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 10/11 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/12
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	8:27	8:38	8:49	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	18.98	19.17	19.27	
pH	8	7.34	7.46	
TURBIDITY (NTUs)	3.67	4.78	4.46	
DISSOLVED O ₂ (mg/L)	9.68	9.66	9.18	
TOTAL SUSPENDED SOLIDS (mg/L)	5.5	6.5	14	

San Gabriel River Reach 115				10/12/2023
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LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results For Thursday 10/12, 3rd day of field work. Isaac arrived onsite at 0825 and met with Orlando Almader from 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. The BMP has been placed inside the channel. Water quality was clear and normal. Field crews were removing vegetation along the rip-rap slope. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0827 and 0849, 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 10/12 on 24-hour TAT. Results for TSS will be available Friday afternoon, 10/13.
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	8:35	8:45	8:57	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	17.62	18.28	18.76	
pH	7.23	7.5	7.44	
TURBIDITY (NTUs)	7.17	5.07	4.61	
DISSOLVED O ₂ (mg/L)	9.56	9.05	9.23	
TOTAL SUSPENDED SOLIDS (mg/L)	34	16	11	
San Gabriel River Reach 115	10/13/2023			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results For Friday 10/13, 4th day of field work, Garo arrived onsite at 0915 and met with Stormwater Maintenance Rio Hondo Yard field crew, 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. The BMP has been placed inside the channel. Field crew are making their way down in the south direction while removing vegetation on the rip-rap rock slope. Water levels were slightly high as water level was less than 12 inches and all over the concrete line. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0921 and 0943, 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 10/13 on 24-hour TAT. Results for TSS will be available Monday afternoon, 10/16.
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	9:21	9:36	9:43	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	22.2	21.9	22.3	
pH	7.38	7.32	7.25	
TURBIDITY (NTUs)	2.81	3.5	3.02	
DISSOLVED O ₂ (mg/L)	9.23	9.53	9.47	
TOTAL SUSPENDED SOLIDS (mg/L)	5.5	7.5	11	
San Gabriel River Reach 115	10/16/2023			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results For Friday 10/16, 5th day of field work, Isaac arrived onsite at 10:00 and met with Stormwater Maintenance Rio Hondo Yard field crew, 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. The BMP has been placed inside the channel. Field crew are making their way down in the south direction while removing vegetation on the rip-rap rock slope. Water levels were slightly high as water level was less than 12 inches and all over the concrete line. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 1013 and 1038, 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 10/16 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 10/17.
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	10:13	10:27	10:38	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	22.98	22.67	22.89	
pH	7.21	6.74	7.16	
TURBIDITY (NTUs)	4.45	3.15	3.78	
DISSOLVED O ₂ (mg/L)	9.15	9.47	9.34	
TOTAL SUSPENDED SOLIDS (mg/L)	38	19	20	
San Gabriel River Reach 115	10/17/2023			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results For Tuesday 10/17, 6th day of field work, Garo arrived onsite at 0905 and met with Stormwater Maintenance Rio Hondo Yard field crew, 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. The BMP has been placed inside the channel. Field crew are continuing down in the south direction while removing vegetation on the rip-rap rock slope. Water levels are still slightly high as water level was less than 12 inches and all over the concrete line. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 1013 and 1038, 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 10/17 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/18.
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	9:06	9:13	9:20	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	21.8	21.4	21.2	
pH	7.56	7.53	7.08	
TURBIDITY (NTUs)	3.87	2.61	2.28	
DISSOLVED O ₂ (mg/L)	9.71	9.94	9.93	
TOTAL SUSPENDED SOLIDS (mg/L)	8	4.5	8	
San Gabriel River Reach 115	10/18/2023			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results For Wednesday 10/18, 7th day of field work, Isaac arrived onsite at 0715 and met with Stormwater Maintenance Rio Hondo Yard field crew, 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. The BMP has been placed inside the channel and were being moved further south today. Field crew are continuing down in the south direction while removing vegetation on the rip-rap rock slope. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0720 and 0755, 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 10/18 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/19. GMED will now transition to weekly water quality sampling and monitoring.
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	7:20	7:38	7:55	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	20.4	20.2	21.2	
pH	8.07	7.26	7.25	
TURBIDITY (NTUs)	2.13	3.38	3.86	
DISSOLVED O ₂ (mg/L)	9.04	9.32	9.26	

TOTAL SUSPENDED SOLIDS (mg/L)	6	8.5	4.5	
San Gabriel River Reach 115	10/25/2023			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results For Wednesday 10/25, 12h day of field work, Isaac arrived onsite at 1100 and met with Stormwater Maintenance Rio Hondo Yard field crew, 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. The BMP has been placed inside the channel and were being moved further south today. Field crew are continuing down in the south direction while removing vegetation on the rip-rap rock slope. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 1111 and 1135, 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 10/25 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 10/26. GMED will continue to weekly water quality sampling and monitoring.
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	11:11	11:22	11:35	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	22.2	22.6	22.1	
pH	8.25	7.01	7.37	
TURBIDITY (NTUs)	3.82	4.63	4.69	
DISSOLVED O ₂ (mg/L)	9.19	9.5	9.01	
TOTAL SUSPENDED SOLIDS (mg/L)	2.5	4	7	
San Gabriel River Reach 115	11/1/2023			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results For Wednesday 11/01, 18th day of field work, Garo arrived onsite at 0850 and met with Stormwater Maintenance Rio Hondo Yard field crew, 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. The BMP was being placed into its new location downstream in the channel as field crew continue to remove vegetation downstream inside the channel. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0856 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 11/01 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/02. GMED will continue to weekly water quality sampling and monitoring.
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	8:56	9:07	9:21	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	18.5	18.9	19.1	
pH	7.97	7.99	7.94	
TURBIDITY (NTUs)	3.59	4.21	4.25	
DISSOLVED O ₂ (mg/L)	9.47	9.32	9.62	
TOTAL SUSPENDED SOLIDS (mg/L)	6	5	5	
San Gabriel River Reach 115	11/8/2023			
LATITUDE (approx.)	33.7910592	33.7888247	33.7872417	During Maintenance WQ Monitoring & Sampling Results For Wednesday 11/08, 23rd day of field work, Isaac arrived onsite at 0915 and met with the Stormwater Maintenance Rio Hondo Yard field crew, 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. The BMP was being placed into its new location downstream in the channel as field crew continue to remove vegetation downstream inside the channel. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0856 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 11/01 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/02. GMED will continue to weekly water quality sampling and monitoring.
LONGITUDE (approx.)	-118.090208	-118.093011	-118.093833	
ELEVATION (approx.)	14	16	19	
TIME	9:30	9:43	9:55	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	21.64	21.55	2.12	
pH	8.78	7.73	7.24	
TURBIDITY (NTUs)	3.57	3.61	3.66	
DISSOLVED O ₂ (mg/L)	9.93	9.51	9.64	
TOTAL SUSPENDED SOLIDS (mg/L)	2	5	9.5	
San Gabriel River Reach 115	11/9/2023			
LATITUDE (approx.)	33.78608	33.78375	33.78251	Pre-Clearing/Baseline For Thursday 11/09, Garo Avoyan and Isaac arrived 0615 on site to perform baseline water quality monitoring and sampling at the San Gabriel River Reach 115 West between San Diego (405) Freeway to College Park Drive. Entrance is off of the access gate door from College Park Drive along the levee all the way to the south side of the San Diego (405) Freeway. Baseline water quality monitoring and sampling was done Four (4) days prior to start date. Between 0630 and 0652, 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 11/09 on 24-hour TAT. Results for TSS will be available Friday afternoon, 11/10. From a water quality standpoint, project is "good to go" for start on Monday 11/13.
LONGITUDE (approx.)	-118.09446	-118.09562	-118.09623	
ELEVATION (approx.)	5	4	4	
TIME	6:30	6:42	6:52	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	15.17	14.53	14.82	
pH	7.98	8.02	7.74	
TURBIDITY (NTUs)	3.6	3.49	3.21	
DISSOLVED O ₂ (mg/L)	9.48	9.89	9.63	
TOTAL SUSPENDED SOLIDS (mg/L)	4.5	16	16	
San Gabriel River Reach 115	11/13/2023			
LATITUDE (approx.)	33.78608	33.78375	33.78251	During Maintenance WQ Monitoring & Sampling Results For Monday 11/13, 1st day of field operations, Isaac arrived 0730 on site to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between San Diego (405) Freeway to College Park Drive. Entrance is off of the access gate door from College Park Drive along the levee all the way to the south side of the San Diego (405) Freeway. The BMP is in the upstream by the 405 freeway going south. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0800 and 0825, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and
LONGITUDE (approx.)	-118.09446	-118.09562	-118.09623	
ELEVATION (approx.)	5	4	4	
TIME	8:00	8:15	8:25	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	16.77	17.12	16.35	
pH	7.77	7.63	7.16	

TURBIDITY (NTUs)	4.51	3.59	3.39	submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 11/13 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/14.
DISSOLVED O ₂ (mg/L)	9.91	9.82	9.49	
TOTAL SUSPENDED SOLIDS (mg/L)	5	13	13	
San Gabriel River Reach 115	11/14/2023			
LATITUDE (approx.)	33.78608	33.78375	33.78251	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.09446	-118.09562	-118.09623	For Tuesday 11/14, 2nd day of field operations, Isaac arrived 0700 on site to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between San Diego (405) Freeway to College Park Drive. Entrance is off of the access gate door from College Park Drive along the levee all the way to the south side of the San Diego (405) Freeway. The BMP is in the upstream by the 405 freeway going south. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0720 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 Tuesday 11/14 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/15.
ELEVATION (approx.)	5	4	4	
TIME	7:20	7:30	7:40	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	15	15.18	14.81	
pH	7.93	8.05	7.81	
TURBIDITY (NTUs)	3.8	3.8	3.6	
DISSOLVED O ₂ (mg/L)	9.12	9.27	9.43	
TOTAL SUSPENDED SOLIDS (mg/L)	14	13	6.5	
San Gabriel River Reach 115	11/20/2023			
LATITUDE (approx.)	33.78608	33.78375	33.78251	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.09446	-118.09562	-118.09623	For Monday 11/20, 3rd day of field operations continue, Isaac arrived 0700 on site to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between San Diego (405) Freeway to College Park Drive. Entrance is off of the access gate door from College Park Drive along the levee all the way to the south side of the San Diego (405) Freeway. Contractor pushed back work due to rain. The BMP is in the upstream by the 405 freeway going south. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0730 and 0755, 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 11/20 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/21.
ELEVATION (approx.)	5	4	4	
TIME	7:30	7:45	7:55	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	18.4	16.7	16.9	
pH	7.9	7.7	7.58	
TURBIDITY (NTUs)	3.71	4.24	3.87	
DISSOLVED O ₂ (mg/L)	9.35	9.56	9.83	
TOTAL SUSPENDED SOLIDS (mg/L)	6	4	7.5	
San Gabriel River Reach 115	11/21/2023			
LATITUDE (approx.)	33.78608	33.78375	33.78251	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.09446	-118.09562	-118.09623	For Tuesday 11/21, 4th day of field operations, Isaac arrived 0700 on site to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between San Diego (405) Freeway to College Park Drive. Entrance is off of the access gate door from College Park Drive along the levee all the way to the south side of the San Diego (405) Freeway. The BMP is in the upstream by the 405 freeway going south. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0720 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 Tuesday 11/21 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/22.
ELEVATION (approx.)	5	4	4	
TIME	7:20	7:30	7:40	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	15.3	15.4	14.5	
pH	7.82	7.85	7.72	
TURBIDITY (NTUs)	3.92	4.11	4.23	
DISSOLVED O ₂ (mg/L)	9.7	9.54	9.55	
TOTAL SUSPENDED SOLIDS (mg/L)	3.5	4.5	2.5	
San Gabriel River Reach 115	11/22/2023			
LATITUDE (approx.)	33.78608	33.78375	33.78251	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.09446	-118.09562	-118.09623	For Wednesday 11/22, 5th day of field operations, Isaac arrived 0700 on site to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between San Diego (405) Freeway to College Park Drive. Entrance is off of the access gate door from College Park Drive along the levee all the way to the south side of the San Diego (405) Freeway. The BMP is in the upstream by the 405 freeway going south. There is still lots of birds, ducks and underwater animals swimming in the channel. Also lots of debris in the water channel itself. Between 0715 and 0735, 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 11/22 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 11/23.
ELEVATION (approx.)	5	4	4	
TIME	7:15	7:25	7:35	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	15.7	15.1	15	
pH	7.97	8.07	7.85	
TURBIDITY (NTUs)	3.68	3.55	3.67	
DISSOLVED O ₂ (mg/L)	9.7	9.33	9.29	
TOTAL SUSPENDED SOLIDS (mg/L)	7	2.5	4	
San Gabriel River Reach 115	11/27/2023			
LATITUDE (approx.)	33.78608	33.78375	33.78251	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.09446	-118.09562	-118.09623	For Monday 11/27, 6th day of field operations, Isaac arrived 0650 on site to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between San Diego (405) Freeway to College Park Drive. Entrance is off of the access gate door from College Park Drive along the levee all the way to the south side of the San Diego (405)
ELEVATION (approx.)	5	4	4	
TIME	7:00	7:15	7:25	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	

TEMPERATURE (°C)	13.47	14.14	14.15	Freeway. The BMP is in the upstream by the 405 freeway going south. There is still lots of birds, ducks and underwater animals swimming in the channel. Water level was higher than normal and there was lots of debris in the water channel itself. Between 0700 and 0725, 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 11/27 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 11/28.
pH	7.79	7.84	7.79	
TURBIDITY (NTUs)	6.62	3.9	3.71	
DISSOLVED O ₂ (mg/L)	9.32	9.41	9.98	
TOTAL SUSPENDED SOLIDS (mg/L)	5.5	6.5	15	

San Gabriel River Reach 115				11/28/2023
LATITUDE (approx.)	33.78608	33.78375	33.78251	During Maintenance WQ Monitoring & Sampling Results For Tuesday 11/28, 7th day of field operations, Isaac Ochoa arrived 0700 on site to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between San Diego (405) Freeway to College Park Drive. Entrance is off of the access gate door from College Park Drive along the levee all the way to the south side of the San Diego (405) Freeway. The BMP is in the upstream by the 405 freeway going south. There is still lots of birds, ducks and underwater animals swimming in the channel. Water level was higher than normal and there was lots of debris in the water channel itself. Turbidity reading was slightly high at internal due to vegetation and ducks inside the water. Between 0710 and 0800, 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 11/28 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 11/29. GMED will transition to weekly water quality sampling.
LONGITUDE (approx.)	-118.09446	-118.09562	-118.09623	
ELEVATION (approx.)	5	4	4	
TIME	7:10	7:45	8:00	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	15	15.8	15.2	
pH	8.05	7.95	7.92	
TURBIDITY (NTUs)	5.45	8.7	3.89	
DISSOLVED O ₂ (mg/L)	9.57	9.79	9.63	
TOTAL SUSPENDED SOLIDS (mg/L)	6.8	13.6	2.8	

San Gabriel River Reach 115				12/5/2023
LATITUDE (approx.)	33.78608	33.78375	33.78251	During Maintenance WQ Monitoring & Sampling Results For Tuesday 12/05, 13th day of field operations, Isaac arrived 0700 on site to perform water quality monitoring and sampling at the San Gabriel River Reach 115 West between San Diego (405) Freeway to College Park Drive. Entrance is off of the access gate door from College Park Drive along the levee all the way to the south side of the San Diego (405) Freeway. The BMP has been moved down south of the channel. There is still lots of birds, ducks and underwater animals swimming in the channel. Water level was low and there was lots of debris in the water channel itself. Between 0715 and 0738, 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 12/05 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 12/06.
LONGITUDE (approx.)	-118.09446	-118.09562	-118.09623	
ELEVATION (approx.)	5	4	4	
TIME	7:15	7:25	7:38	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	17.3	17	16.9	
pH	7.01	7.44	7.46	
TURBIDITY (NTUs)	2.47	2.14	2.32	
DISSOLVED O ₂ (mg/L)	9.57	9.6	9.5	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	5.4	7.2	

San Gabriel River Reach 115				12/26/2023
LATITUDE (approx.)	33.78608	33.78375	33.78251	Post-Work WQ Monitoring & Sampling Results For Tuesday 12/26, Armando Olmos Bahena and Garo arrived 0640 on site to perform post water quality monitoring and sampling at the San Gabriel River Reach 115 West between San Diego (405) Freeway to College Park Drive. Field crew completed all vegetation form inside the channel. Water level was high due to last week's rain. The BMP has been removed. Between 0648 and 0703, 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 12/26 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 12/27.
LONGITUDE (approx.)	-118.09446	-118.09562	-118.09623	
ELEVATION (approx.)	5	4	4	
TIME	6:48	6:55	7:03	
SAMPLE NO.	SGRR115-1	SGRR115-2	SGRR115-3	
TEMPERATURE (°C)	16.7	15.6	15.2	
pH	7.18	7.42	7.43	
TURBIDITY (NTUs)	4.1	2.42	2.33	
DISSOLVED O ₂ (mg/L)	9.97	8.75	9.24	
TOTAL SUSPENDED SOLIDS (mg/L)	4.2	6.4	4.4	

San Jose Creek Reach 42				10/24/2023
LATITUDE (approx.)	34.0325436	34.032474	34.032311	Pre-Clearing/Baseline For Tuesday 10/24, Garo arrived on site at 0950 to perform baseline water quality monitoring and sampling at the San Jose Creek Soft Bottom Channel (SBC) Reach 42 Baseline water quality monitoring and sampling was done one (1) day prior to start date. The entire soft bottom channel is covered with vegetation. There were lots of debris as well as water quality not being clear. Between 1000 and 1012, 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 10/24 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 10/25. From a water quality standpoint, project is "good to go" for start on Wednesday 10/25.
LONGITUDE (approx.)	-118.005706	-118.007214	-118.0824	
ELEVATION (approx.)	243	242	238	
TIME	10:00	10:06	10:12	
SAMPLE NO.	SJCRK-1	SJCRK-2	SJCRK-3	
TEMPERATURE (°C)	19.7	19.4	19.3	
pH	8.29	8.27	8.24	
TURBIDITY (NTUs)	6.17	5.01	3.71	
DISSOLVED O ₂ (mg/L)	9.78	9.8	9.65	
TOTAL SUSPENDED SOLIDS (mg/L)	9.5	8.5	6.5	

San Jose Creek Reach 42				12/7/2023
LATITUDE (approx.)	34.0325436	34.032474	34.032311	During Maintenance WQ Monitoring & Sampling Results

LONGITUDE (approx.)	-118.005706	-118.007214	-118.0824	For Thursday 12/07, Jose Ruiz, Armando Olmos Bahena and Garo arrived on site at 0945 and met with Miguel Mendoza from Stormwater Maintenance San Dimas Yard to perform baseline water quality monitoring and sampling at the San Jose Creek Soft Bottom Channel (SBC) Reach 42. Original project start date was delayed at the request of the contractor. Baseline water quality monitoring and sampling was done four (4) day prior to start date. The entire soft bottom channel is covered with vegetation. There were lots of debris as well as water quality not being clear. Between 0949 and 0955, 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 12/07 on 24-hour TAT. Results for TSS will be available Friday afternoon, 12/08. From a water quality standpoint, project is "good to go" for start on Monday 12/11.
ELEVATION (approx.)	243	242	238	
TIME	9:49	9:58	9:55	
SAMPLE NO.	SJCRK-1	SJCRK-2	SJCRK-3	
TEMPERATURE (°C)	16.4	15.4	15.5	
pH	8.62	8.56	7.94	
TURBIDITY (NTUs)	4.65	5.45	5.08	
DISSOLVED O ₂ (mg/L)	9.96	10.01	9.43	
TOTAL SUSPENDED SOLIDS (mg/L)	20.2	18.2	21	
San Jose Creek Reach 42	12/11/2023			
LATITUDE (approx.)	34.0325436	34.032474	34.032311	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.005706	-118.007214	-118.0824	For Monday 12/11, 1st day of field operations, Garo arrived on site at 0750 to perform water quality monitoring and sampling at upstream, internal, and downstream at the San Jose Creek Soft Bottom Channel (SBC) Reach 42. Contractor began mobilizing their heavy equipment and started removing vegetation on the north side of the channel. Water flow was steady. Between 0805 and 0815, 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 12/11 on 24-hour TAT. Results for TSS will be available Tuesday afternoon, 12/12.
ELEVATION (approx.)	243	242	238	
TIME	8:05	8:09	8:15	
SAMPLE NO.	SJCRK-1	SJCRK-2	SJCRK-3	
TEMPERATURE (°C)	11.2	11.6	10.6	
pH	7.11	8.04	8.02	
TURBIDITY (NTUs)	10.16	10.63	7.42	
DISSOLVED O ₂ (mg/L)	9.9	9.9	9.99	
TOTAL SUSPENDED SOLIDS (mg/L)	13.4	14	11.8	
San Jose Creek Reach 42	12/12/2023			
LATITUDE (approx.)	34.0325436	34.032474	34.032311	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.005706	-118.007214	-118.0824	For Tuesday 12/12, 2nd day of field operations, Garo arrived on site at 0650 to perform water quality monitoring and sampling at upstream, internal, and downstream at the San Jose Creek Soft Bottom Channel (SBC) Reach 42. Contractor has cleared out some of the vegetation on the east of the channel by using heavy equipment. Water flow was steady. Turbidity was slightly high at both the internal and downstream due to minor debris and dirt in the water. Between 0707 and 0720, 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 12/12 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 12/13. I informed Alex Alvarez of the turbidity results.
ELEVATION (approx.)	243	242	238	
TIME	7:07	7:15	7:20	
SAMPLE NO.	SJCRK-1	SJCRK-2	SJCRK-3	
TEMPERATURE (°C)	11.9	10.5	10.1	
pH	7.81	7.86	7.89	
TURBIDITY (NTUs)	1.68	3.21	3.73	
DISSOLVED O ₂ (mg/L)	9.75	9.97	9.94	
TOTAL SUSPENDED SOLIDS (mg/L)	4.2	8.4	9.4	
San Jose Creek Reach 42	12/14/2023			
LATITUDE (approx.)	34.0325436	34.032474	34.032311	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.005706	-118.007214	-118.0824	For Thursday 12/14, 4th day of field operations, Armando arrived on site at 0900 to perform water quality monitoring and sampling at upstream, internal, and downstream at the San Jose Creek Soft Bottom Channel (SBC) Reach 42. We were unable to perform water quality monitoring and sampling on Wednesday 12/13 due to a staff shortage. Contractor has cleared out about a quarter of the vegetation in the channel by using heavy equipment. Water flow was steady. Turbidity was high at both the internal and downstream due to debris and dirt in the water. Water sampled downstream was cloudy compared to the internal and upstream. Between 0912 and 0931, 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 12/14 on 24-hour TAT. Results for TSS will be available Friday afternoon, 12/15. I informed Alex Alvarez of the turbidity results.
ELEVATION (approx.)	243	242	238	
TIME	9:12	9:24	9:31	
SAMPLE NO.	SJCRK-1	SJCRK-2	SJCRK-3	
TEMPERATURE (°C)	12.7	12.4	11.75	
pH	8.8	7.92	8.02	
TURBIDITY (NTUs)	2.71	6.55	20.5	
DISSOLVED O ₂ (mg/L)	9.83	9.57	9.24	
TOTAL SUSPENDED SOLIDS (mg/L)	5	10	58.6	
San Jose Creek Reach 42	12/19/2023			
LATITUDE (approx.)	34.0325436	34.032474	34.032311	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.005706	-118.007214	-118.0824	For Tuesday 12/19, 7th day of field operations, Armando arrived on site at 0815 to perform water quality monitoring and sampling at upstream, internal, and downstream at the San Jose Creek Soft Bottom Channel (SBC) Reach 42. We were unable to perform water quality monitoring and sampling on Friday 12/15 and Monday 12/18 due to an emergency. Contractor has cleared out about half of the vegetation in the channel by using heavy equipment. Water flow was steady. BMP's were added by contractor at the downstream sampling location. Turbidity was slightly high at both the internal and downstream due to debris and dirt in the water but lower than the previously recorded on 12/14. Between 0824 and 0904, 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 12/19 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 12/20.
ELEVATION (approx.)	243	242	238	
TIME	8:24	8:37	9:04	
SAMPLE NO.	SJCRK-1	SJCRK-2	SJCRK-3	
TEMPERATURE (°C)	18.06	16.13	15.67	
pH	9.92	7.96	7.43	
TURBIDITY (NTUs)	1.47	4.83	5.6	
DISSOLVED O ₂ (mg/L)	10.48	10.04	9.54	
TOTAL SUSPENDED SOLIDS (mg/L)	7.6	14.8	17.2	

San Jose Creek Reach 42				12/26/2023
LATITUDE (approx.)	34.0325436	34.032474	34.032311	During Maintenance WQ Monitoring & Sampling Results For Tuesday 12/26, 8th day of field operations, Armando Olmos Bahena and Garo arrived on site at 0850 to perform water quality monitoring and sampling at upstream, internal, and downstream at the San Jose Creek Soft Bottom Channel (SBC) Reach 42. Contractor has cleared out about half of the vegetation in the channel by using heavy equipment. Water flow was steady. No BMP were placed due to the rain from last week. Between 0857 and 0905, 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 12/26 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 12/27. We notified Alex Alvarez via text message of the turbidity results.
LONGITUDE (approx.)	-118.005706	-118.007214	-118.0824	
ELEVATION (approx.)	243	242	238	
TIME	8:57	9:02	9:05	
SAMPLE NO.	SJCRK-1	SJCRK-2	SJCRK-3	
TEMPERATURE (°C)	12.8	12.4	12.5	
pH	8.34	8.22	8.09	
TURBIDITY (NTUs)	1.54	1.06	1.26	
DISSOLVED O ₂ (mg/L)	9.79	9.86	9.99	
TOTAL SUSPENDED SOLIDS (mg/L)				
San Jose Creek Reach 42				1/2/2024
LATITUDE (approx.)	34.0325436	34.032474	34.032311	During Maintenance WQ Monitoring & Sampling Results For Tuesday 01/02, 12th day of field operations, Garo arrived on site at 0751 to perform water quality monitoring and sampling at upstream, internal, and downstream at the San Jose Creek Soft Bottom Channel (SBC) Reach 42. Contractor has cleared out more than half of the vegetation in the channel by using heavy equipment. Water flow was steady. No BMPs were installed because we do have rain forecast later in the week. Between 0754 and 0805, 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 01/02 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 01/03. We notified Alex Alvarez via text message of the turbidity results.
LONGITUDE (approx.)	-118.005706	-118.007214	-118.0824	
ELEVATION (approx.)	243	242	238	
TIME	7:54	8:00	8:05	
SAMPLE NO.	SJCRK-1	SJCRK-2	SJCRK-3	
TEMPERATURE (°C)	10.3	10	9.3	
pH	7.9	7.9	7.51	
TURBIDITY (NTUs)	2.69	1.71	1.47	
DISSOLVED O ₂ (mg/L)	10.01	9.9	10	
TOTAL SUSPENDED SOLIDS (mg/L)	5.2	2.4	3.2	
San Jose Creek Reach 42				1/9/2024
LATITUDE (approx.)	34.0325436	34.032474	34.032311	During Maintenance WQ Monitoring & Sampling Results For Tuesday 01/09, 17th day of field operations, Armando arrived on site at 0825 to perform water quality monitoring and sampling at upstream, internal, and downstream at the San Jose Creek Soft Bottom Channel (SBC) Reach 42. Contractor has cleared out most of the vegetation in the channel by using heavy equipment. Water flow was steady. Between 0829 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 Tuesday 01/09 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 01/10. Notified Alex Alvarez via text message of the turbidity results.
LONGITUDE (approx.)	-118.005706	-118.007214	-118.0824	
ELEVATION (approx.)	243	242	238	
TIME	8:29	8:36	8:42	
SAMPLE NO.	SJCRK-1	SJCRK-2	SJCRK-3	
TEMPERATURE (°C)	6.29	5.93	5.7	
pH	8.5	8.43	8.33	
TURBIDITY (NTUs)	4.4	2.4	4.93	
DISSOLVED O ₂ (mg/L)	9.84	9.71	9.61	
TOTAL SUSPENDED SOLIDS (mg/L)	11.6	2.4	3	
San Jose Creek Reach 42				1/16/2024
LATITUDE (approx.)	34.0325436	34.032474	34.032311	Post-Work WQ Monitoring & Sampling Results For Tuesday 01/16 – Armando arrived on-site at 0745 and performed post water quality sampling and monitoring at upstream, internal, and downstream points at the San Jose Creek Soft Bottom Channel (SBC) Reach 42. Contractor has cleared out all the vegetation in the channel by using heavy equipment. Water flow was steady. Between 0752 and 0812, 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 01/16 on 24-hour TAT. Results for TSS will be available Wednesday afternoon, 01/17. Notified Alex Alvarez via text message of the turbidity results.
LONGITUDE (approx.)	-118.005706	-118.007214	-118.0824	
ELEVATION (approx.)	243	242	238	
TIME	7:52	8:05	8:12	
SAMPLE NO.	SJCRK-1	SJCRK-2	SJCRK-3	
TEMPERATURE (°C)	12.02	12.36	11.68	
pH	8.28	7.52	7.12	
TURBIDITY (NTUs)	3.09	1.9	2.9	
DISSOLVED O ₂ (mg/L)	9.84	10.01	9.86	
TOTAL SUSPENDED SOLIDS (mg/L)	ND	2.6	4.4	

Walnut Creek Reach 98				10/13/2023
LATITUDE (approx.)	34.079783	34.079688	34.074596	Pre-Clearing/Baseline For Friday, 10/13 – Baseline and one day only field work, Garo arrived on the onsite at 1100 and met Rigoberto Yescas from Stormwater Maintenance San Dimas Yard to perform water quality monitoring sampling at upstream, internal, and downstream points at the Walnut Creek Reach 98. Field crew was removing vegetation from the soft bottom channel. Turbidity reading at the downstream was slightly high due to lots of debris and dirt inside the concrete line. Between 1103 and 1119, 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 10/13 on 24-hour TAT. Results for TSS will be available Monday afternoon, 10/16.
LONGITUDE (approx.)	-117.860395	-117.860648	-117.873093	
ELEVATION (approx.)	530	530	488	
TIME	11:19	11:15	11:03	
SAMPLE NO.	WC-1	WC-2	WC-3	
TEMPERATURE (°C)	19	19.5	20.4	
pH	8.72	8.04	8.06	
TURBIDITY (NTUs)	5.19	4.66	14.5	

DISSOLVED O ₂ (mg/L)	9.85	9.7	9.62	Total suspended solids (TSS) on Friday 10/13 on 24-hour TAT. Results for TSS will be available Monday afternoon, 10/16.
TOTAL SUSPENDED SOLIDS (mg/L)	12	10	25	
Walnut Creek Reach 98 10/17/2023				
LATITUDE (approx.)	34.079783	34.079688	34.074596	Post-Work WQ Monitoring & Sampling Results For October 17, 2023, Garo arrived on-site at 0715 to perform post water quality sampling and monitoring at Walnut Creek Inlet Reach 98. Attached is a photo of downstream sampling point Located slightly over 1-1/2mile downstream and southwest of the upstream sampling point #1; Entrance is through locked gate on the west side of open-box channel off of Fairway Lane, w/o Grand Ave: Sampling point is in the bottom of open-box concrete channel in pool created by inflated rubber dam. The inflated rubber dam has be deflated for replacement and the sand bags are diverting water into west side inlet which leads to the spreading grounds. Post water sampling was not done because the project did not meet Regional Water Quality Board permit requirements.
LONGITUDE (approx.)	-117.860395	-117.860648	-117.873093	
ELEVATION (approx.)	530	530	488	
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				

Wilmington Drain 9/8/2023				
LATITUDE (approx.)				Pre-Clearing/Baseline For November 08, 2024, Garo arrived on site about 0730, and met with Gilbert Ulloa to perform baseline water quality sampling at upstream, internal, and downstream points for Wilmington Drain Reach 25. Attached are multiple photos of the north side of Wilmington Channel located on the north side of the Lomita bridge. The photos include pictures directly below the Lomita bridge where the water runs the concrete tunnel. As shown in the picture, no water is running through underneath the bridge. Also, Gilbert and I looked around the channel on the north side and spotted some area had puddles and some locations were dry. As shown in the picture and after visual observation, there is no water flow. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB). From a water quality standpoint, project is good to go for the proposed start of Monday 11/13/2023.
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				

Wilmington Drain 9/13/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For November 13, 2023, Garo arrived on site about 0730 to perform water quality sampling at upstream, internal, and downstream points for Wilmington Drain Reach 25. Attached are multiple photos of the north side of Wilmington Channel located on the north side of the Lomita bridge. The photos include pictures directly below the Lomita bridge where the water runs the concrete tunnel. Also a photo of the concrete line north of the metallic bridge located on the north side of the channel. Based on my observations, there was no water flow only ponds scattered throughout the channel. There was no water is running through underneath the bridge. Also, Gilbert and I looked around the channel on the north side and spotted some area had puddles and some locations were dry. As shown in the picture and after visual observation, there is no water flow. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB).
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				

Wilmington Drain 9/14/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For November 14, 2023, Garo arrived on site about 0926 to perform water quality sampling at upstream, internal, and downstream points for Wilmington Drain Reach 25. Attached is the soft bottom channel on the north side of Wilmington Channel located on the north side of the Lomita bridge. Field crew cleared out the majority of the vegetation from the SBC and as shown there is no water flow. Based on my observations, there was no water flow only ponds scattered throughout the channel. There was no water is running through underneath the bridge. As shown in the picture and after visual observation, there is no water flow. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB).
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				

Wilmington Drain 9/15/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For November 15, 2023, Garo arrived on site about 0759 to perform water quality sampling at upstream, internal, and downstream points for Wilmington Drain Reach 25. Attached pictures are both the soft bottom channel on the north side of Wilmington Channel located on the north side of the Lomita bridge and the soft bottom channel on the south side of Lomita Bridge. Field crew cleared out the majority of the vegetation from the SBC and as shown there is no water flow. Based on my observations, I saw no water flow. As shown in the pictures and after visual observation, there is no water flow. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB).
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				

DISSOLVED O ₂ (mg/L)				Regional Water Quality Control Board (RWQCB).
TOTAL SUSPENDED SOLIDS (mg/L)				
Wilmington Drain 11/16/2023				
LATITUDE (approx.)	33.798844	33.7958917	33.791222	During Maintenance WQ Monitoring & Sampling Results For Thursday, 11/16 – 4th day of field work, Garo arrived on-site about 0710 to perform water quality monitoring and sampling at Wilmington Drain. Due to the rain yesterday (11/15/2023), there as water flow inside the channel. Field crew continue to work in the channel on the south side of Lomita. Water clarity was not clear due to the sediment washing from the concrete line just north of the soft bottom channel. The internal sampling was done on the west side of the channel because the east side entrance as closed. Between 0715 and 0805, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Thursday 11/16 on 24-hour TAT Results for TSS will be available Friday afternoon, 11/17.
LONGITUDE (approx.)	-118.288449	-118.28797	-118.287808	
ELEVATION (approx.)	14	13	13	
TIME	7:15	7:56	8:05	
SAMPLE NO.	WDR27-1	WDR27-2	WDR27-3	
TEMPERATURE (°C)	16.8	16.4	16.6	
pH	7.57	7.28	7.76	
TURBIDITY (NTUs)	44.6	30.4	32.5	
DISSOLVED O ₂ (mg/L)	9.97	9.9	9.85	
TOTAL SUSPENDED SOLIDS (mg/L)	35	18	260	
Wilmington Drain 11/17/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For November 17, 2023, 5th day of field work, Garo arrived on site about 0659 to perform water quality sampling at upstream, internal, and downstream points for Wilmington Drain Reach 25. Attached pictures are of the the soft bottom channel on the north side of Wilmington Channel. I looked around and only saw scattered puddles throughout the soft bottom channel. Field crew are still clearing vegetation south of Lomita Bridge. Based on my observations, I saw no water flow. As shown in the pictures and after visual observation, there is no water flow. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB).
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
Wilmington Drain 11/20/2023				
LATITUDE (approx.)	33.798844	33.7958917	33.791222	During Maintenance WQ Monitoring & Sampling Results For Friday, 11/20 – 6th day of field work, Garo arrived on-site about 0710 to perform water quality monitoring and sampling at Wilmington Drain. Field crew continue to work in the channel on the south side of Lomita. Due to the rain from this past Saturday (11/18/2023) there was water flow in the soft bottom channel. I also noticed when sampling at the internal sampling point, water was being backed up from PCH to 250' south of the Lomita Bridge. Water clarity was not clear. The turbidity reading was high for both internal and downstream sampling points what was rain brining due debris inside the channel. Between 0715 and 0736, collected and recorded water quality parameters of temperature, pH, turbidity, and dissolved oxygen. Samples collected and will be submitted to American Environmental Testing Labs (AETL) for analysis of total suspended solids (TSS) on Monday 11/20 on 24-hour TAT Results for TSS will be available Tuesday afternoon, 11/21.
LONGITUDE (approx.)	-118.288449	-118.28797	-118.287808	
ELEVATION (approx.)	14	13	13	
TIME	7:15	7:29	7:36	
SAMPLE NO.	WDR27-1	WDR27-2	WDR27-3	
TEMPERATURE (°C)	14.3	14.3	15	
pH	7.28	7.89	7.7	
TURBIDITY (NTUs)	9.03	18	23.5	
DISSOLVED O ₂ (mg/L)	9.98	9.86	9.96	
TOTAL SUSPENDED SOLIDS (mg/L)	14	30	160	
Wilmington Drain 11/21/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For November 21, 2023, 7th day of field work, Isaac Ochoa and Garo arrived on site about 0659 to perform water quality sampling at upstream, internal, and downstream points for Wilmington Drain Reach 25. Attached pictures are of the soft bottom channel on the north side of Wilmington Channel. We looked around and only saw scattered puddles throughout the soft bottom channel. Field crew are still clearing vegetation south of Lomita Bridge. Based on my observations, I saw no water flow. As shown in the pictures and after visual observation, there is no water flow. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB).
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
Wilmington Drain 11/28/2023				
LATITUDE (approx.)				During Maintenance WQ Monitoring & Sampling Results For November 28, 2023, 13th day of field work, Garo arrived on site about 0659 to perform water quality sampling at upstream, internal, and downstream points for Wilmington Drain Reach 25. Attached pictures are of the soft bottom channel on the north side of Wilmington Channel. We looked around and only saw scattered puddles throughout the soft bottom channel. Field crew are still clearing vegetation south of Lomita Bridge. Based on my observations, I saw no water flow. As shown in the pictures and after visual
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				
pH				

TURBIDITY (NTUs)				observation, there is no water flow. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB).
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				
Wilmington Drain 12/5/2023				
LATITUDE (approx.)				Post-Work WQ Monitoring & Sampling Results
LONGITUDE (approx.)				
ELEVATION (approx.)				
TIME				
SAMPLE NO.				
TEMPERATURE (°C)				For December 05, 2023, Garo arrived on site about 0645 to perform post water quality sampling at upstream, internal, and downstream points for Wilmington Drain Reach 25. Attached pictures is the soft bottom channel on the north side of Wilmington Channel. The soft bottom channel had no water flow. after visual inspection I only saw scattered ponds between the steel bridge and north end of the Lomita Bridge. Field crew have completed all vegetation removal inside the channel. Based on my observations, there was no water flow. No water quality monitoring and sampling was not performed because the site did not meet Regional Water Quality Control Board (RWQCB).
pH				
TURBIDITY (NTUs)				
DISSOLVED O ₂ (mg/L)				
TOTAL SUSPENDED SOLIDS (mg/L)				

Brown Creek Reach 4 3/13/2024				
LATITUDE (approx.)	34.2716865	34.2730526	34.2715477	Pre-Clearing/Baseline
LONGITUDE (approx.)	-118.589884	-118.59149	-118.590667	
ELEVATION (approx.)	314	325	323	For Wednesday 3/13, Isaac arrived on site at 0900 to perform baseline water quality monitoring and sampling at the Browns Creek Reach 4. I met with William Butler from Hansen Yard to baseline water quality monitoring and sampling 5 days before project set to being. The soft bottom portion of the channel had a lot of sediment build up and some vegetation growth. There was a lot of water present flowing throughout the channel. There were lots of debris and dirt as well as water quality not being clear. Between 0925 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 Wednesday 03/13 on 24-hour TAT. Results for TSS will be available Thursday afternoon, 03/14. From a water quality standpoint, project is "good to go" for start on Monday 03/18.
TIME	9:25	9:33	9:40	
SAMPLE NO.	BRR4-1	BRR4-2	BRR4-3	
TEMPERATURE (°C)	14.19	12.64	12.15	
pH	8.83	8.71	8.35	
TURBIDITY (NTUs)	202	198	192	
DISSOLVED O ₂ (mg/L)	9.86	9.78	9.96	
TOTAL SUSPENDED SOLIDS (mg/L)	416	338	291	

Wilmington Drain 3/18/2024				
LATITUDE (approx.)	34.2716865	34.2730526	34.2715477	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.589884	-118.59149	-118.590667	
ELEVATION (approx.)	314	325	323	For Monday 3/18 Day 1, Isaac arrived on site at 0800 met with Juan Rodarte from Hansen Yard to preform daily water quality monitoring and sampling at Browns Creek Reach 4. The soft bottom portion of the channel had a lot of sediment build up along the sides by the walls and some vegetation growth. The water was not clear and murky. There was a lot of water present flowing throughout the channel. I spoke with the contractor and advised them to place BMPs. Between 0830 and 0850, 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 3/18 24-hour TAT. Results for TSS will be available Tuesday afternoon, 03/19.
TIME	8:30	8:40	8:50	
SAMPLE NO.	BRR4-1	BRR4-2	BRR4-3	
TEMPERATURE (°C)	12.65	12.71	13.13	
pH	8.57	8.57	8.53	
TURBIDITY (NTUs)	123	122	118	
DISSOLVED O ₂ (mg/L)	9.97	9.77	9.95	
TOTAL SUSPENDED SOLIDS (mg/L)	295	279	264	

Wilmington Drain 3/19/2024				
LATITUDE (approx.)	34.2716865	34.2730526	34.2715477	During Maintenance WQ Monitoring & Sampling Results
LONGITUDE (approx.)	-118.589884	-118.59149	-118.590667	
ELEVATION (approx.)	314	325	323	For Tuesday 3/19, Isaac arrived on site at 0800 met with Juan Rodarte from Hansen Yard to preform daily water quality monitoring and sampling at Browns Creek Reach 4. The soft bottom portion of the channel had a lot of sediment build up along the sides by the walls. All Vegetation has been cut and cleared and any BMPs removed. The water was slightly murky. There was a lot of water present flowing throughout the channel. Between 0820 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 Tuesday 3/19 24-hour TAT. Results for TSS will be available Wednesday afternoon, 03/20.
TIME	8:20	8:30	8:40	
SAMPLE NO.	BRR4-1	BRR4-2	BRR4-3	
TEMPERATURE (°C)	13.01	12.35	12.18	
pH	8.88	8.55	8.51	
TURBIDITY (NTUs)	103.6	86.7	70.4	
DISSOLVED O ₂ (mg/L)	9.85	9.95	9.87	
TOTAL SUSPENDED SOLIDS (mg/L)	244	207	199	

ATTACHMENT NO. 7
CURRENT WATER QUALITY CERTIFICATIONS,
ORDER NO. 22-117 AND 15-038

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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 100-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.
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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 (Reach 25) and Compton Creek (Reach 24);
 - v. 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 through 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 1 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 Materials⁴

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) 845-8911Lastly, 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/) (<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.

LAWRENCE YEE, CHAIR | RENEE PURDY, EXECUTIVE OFFICER

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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 weed eaters, 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:

<u>Latitude</u>	<u>Longitude</u>
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:

<u>Latitude</u>	<u>Longitude</u>
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:

<u>Latitude</u>	<u>Longitude</u>
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:

<u>Latitude</u>	<u>Longitude</u>
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 Materials⁴**

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](http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill%20Booklet%20Feb2014%20FINAL%20BW%20Acc.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.

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 Impacts⁸

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

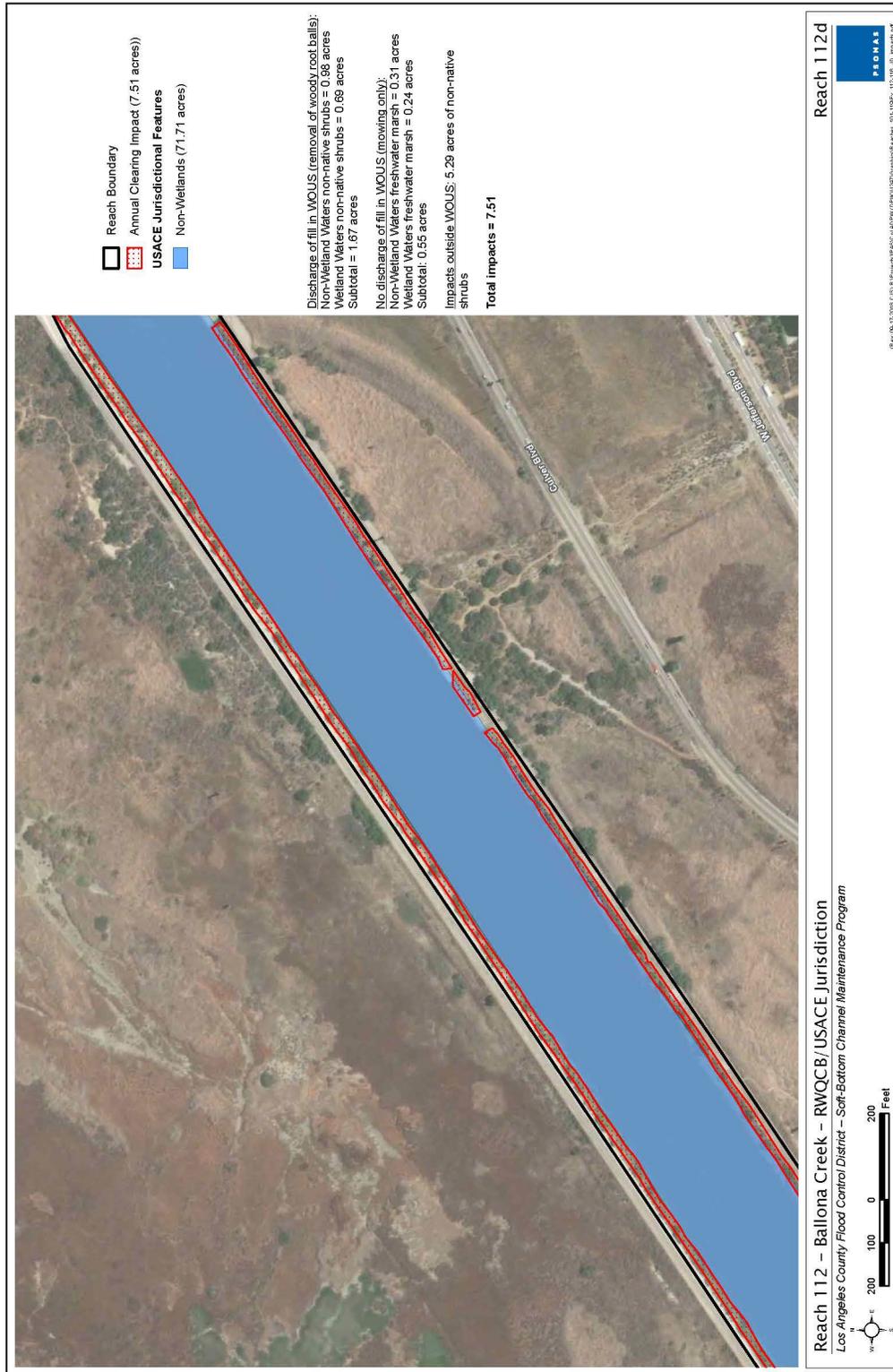
⁹ Compensatory mitigation type may be: In-Lieu-Fee (ILF); Mitigation Bank (MB); Permittee-Responsible (PR)

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



Reach 112



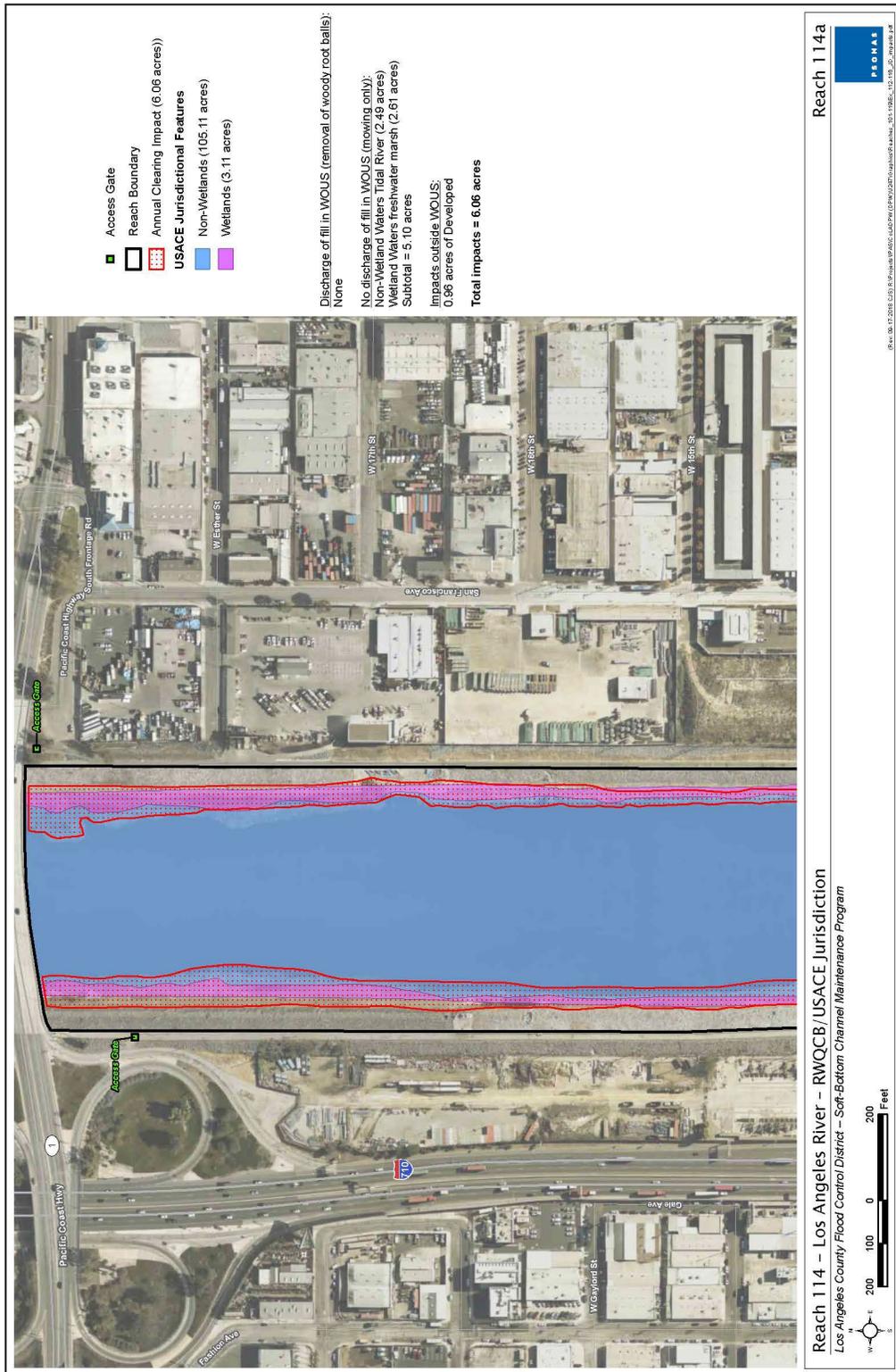
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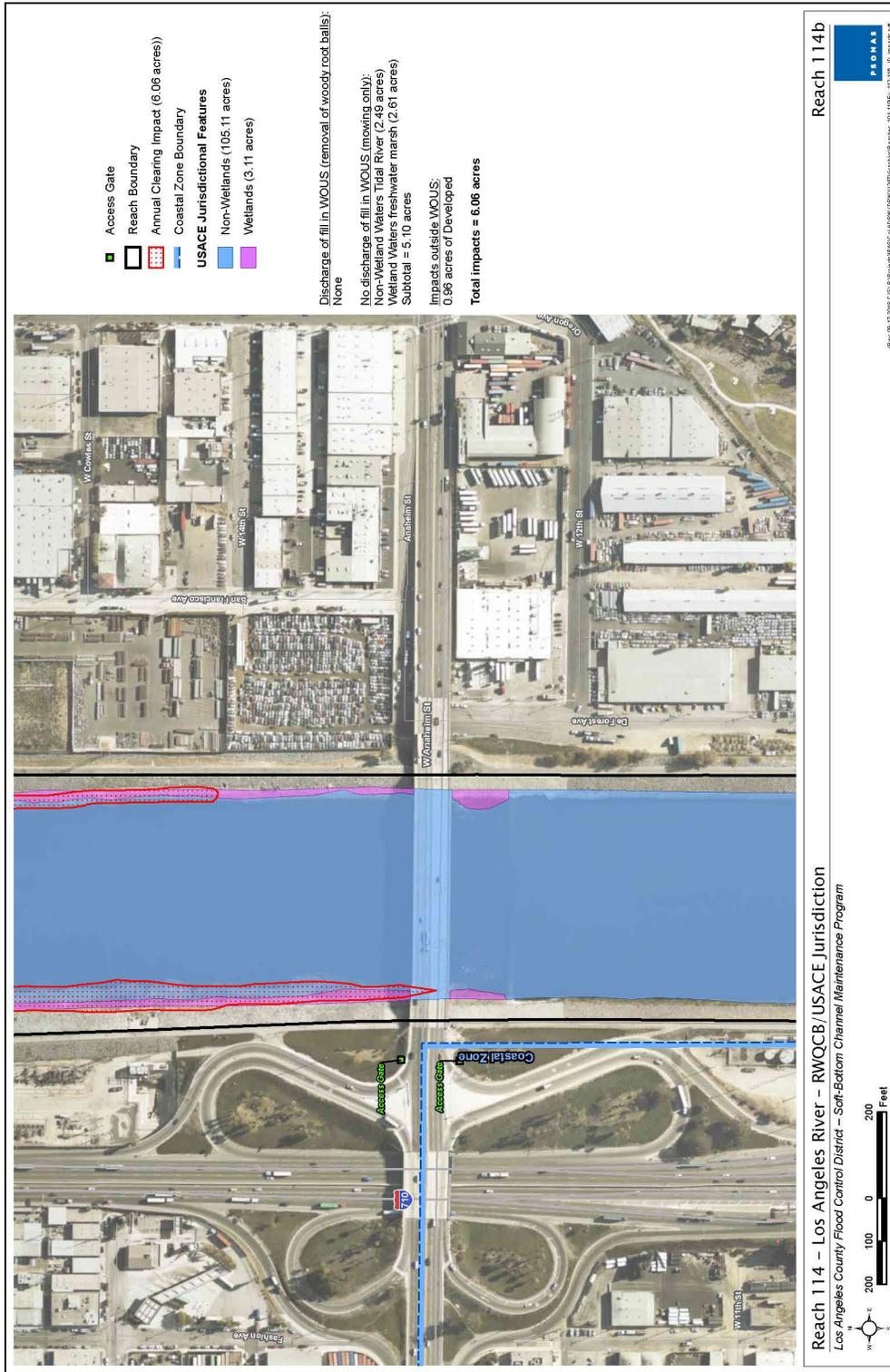
Reach 112



Reach 114



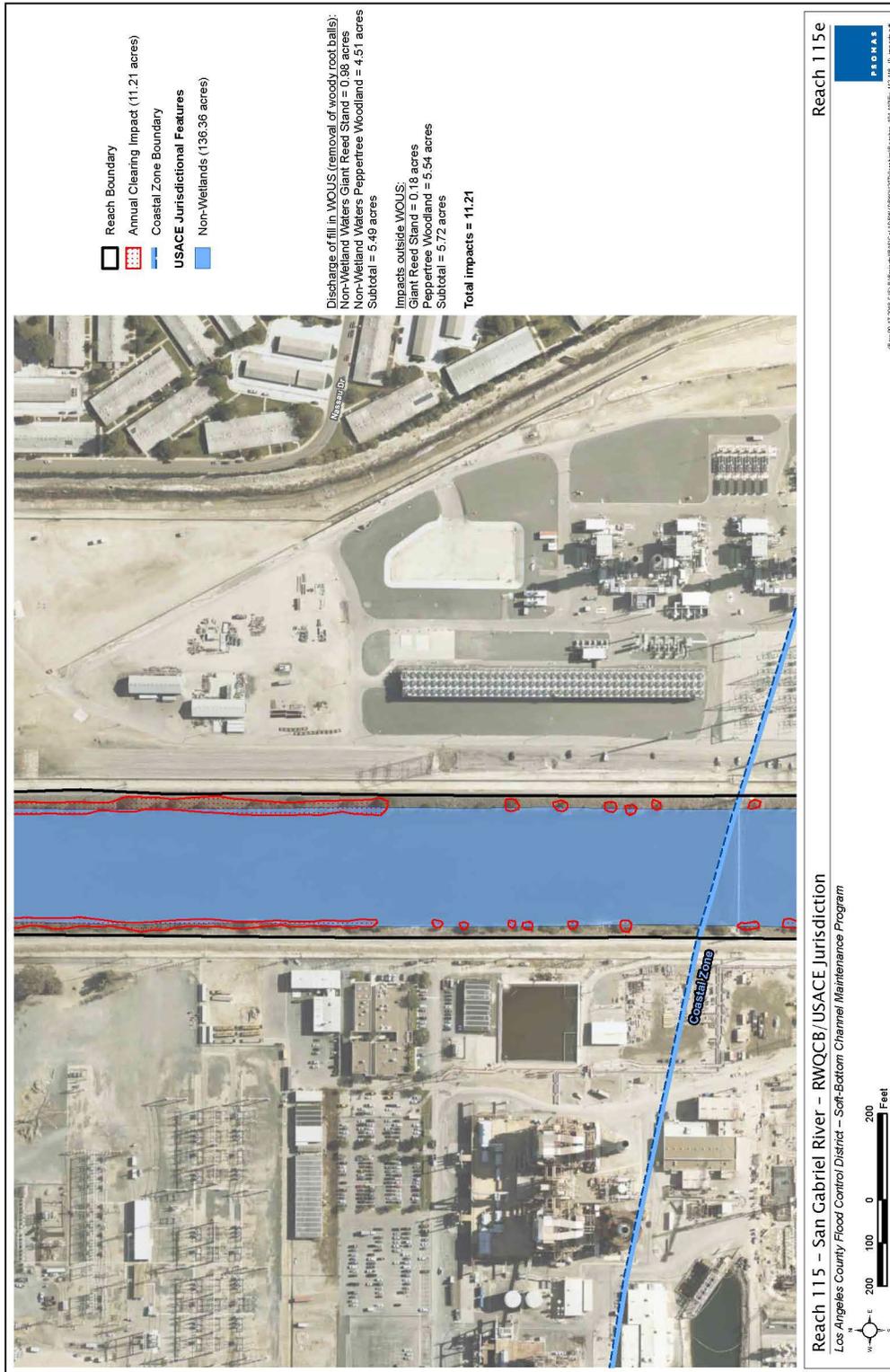
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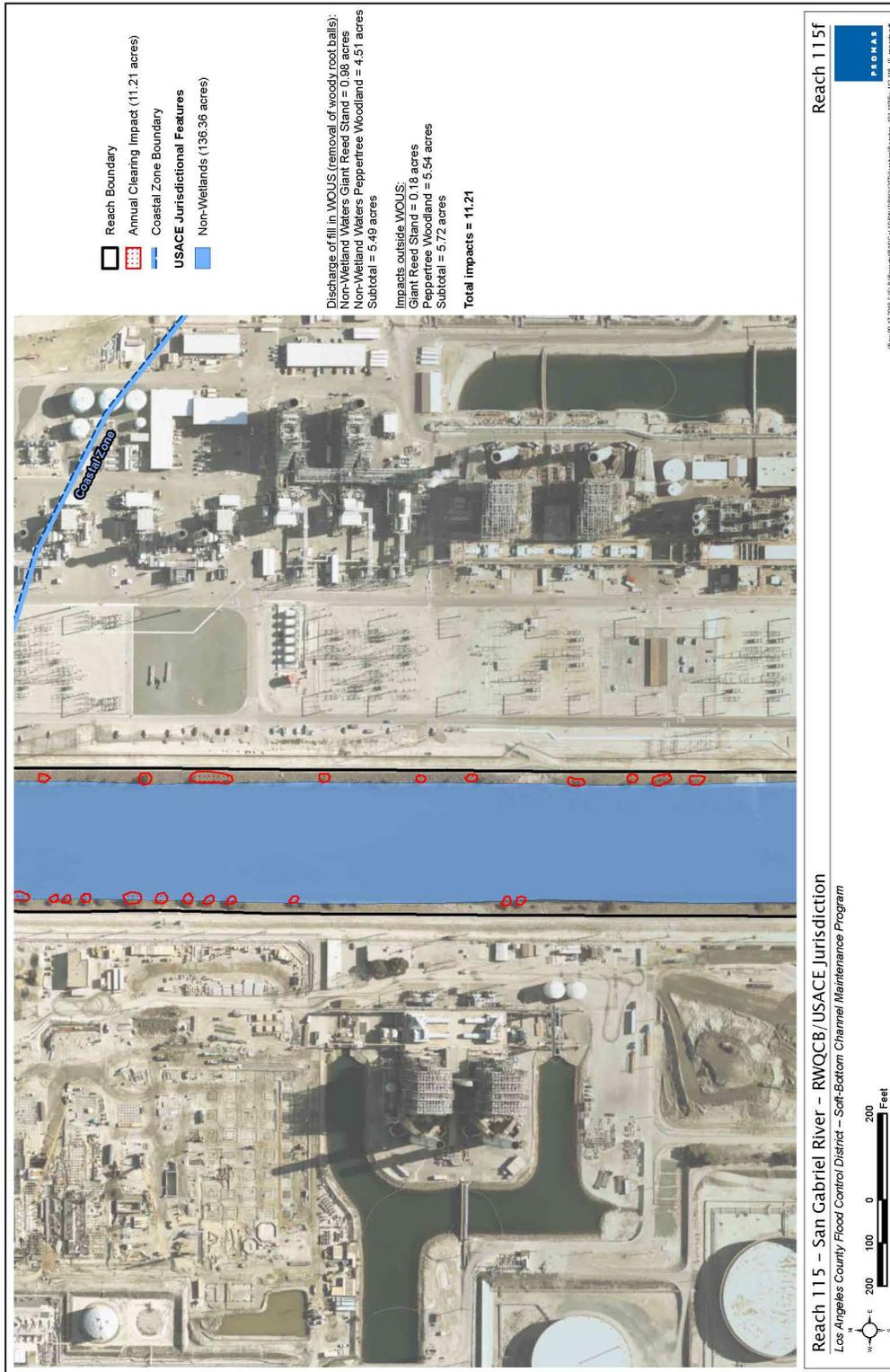
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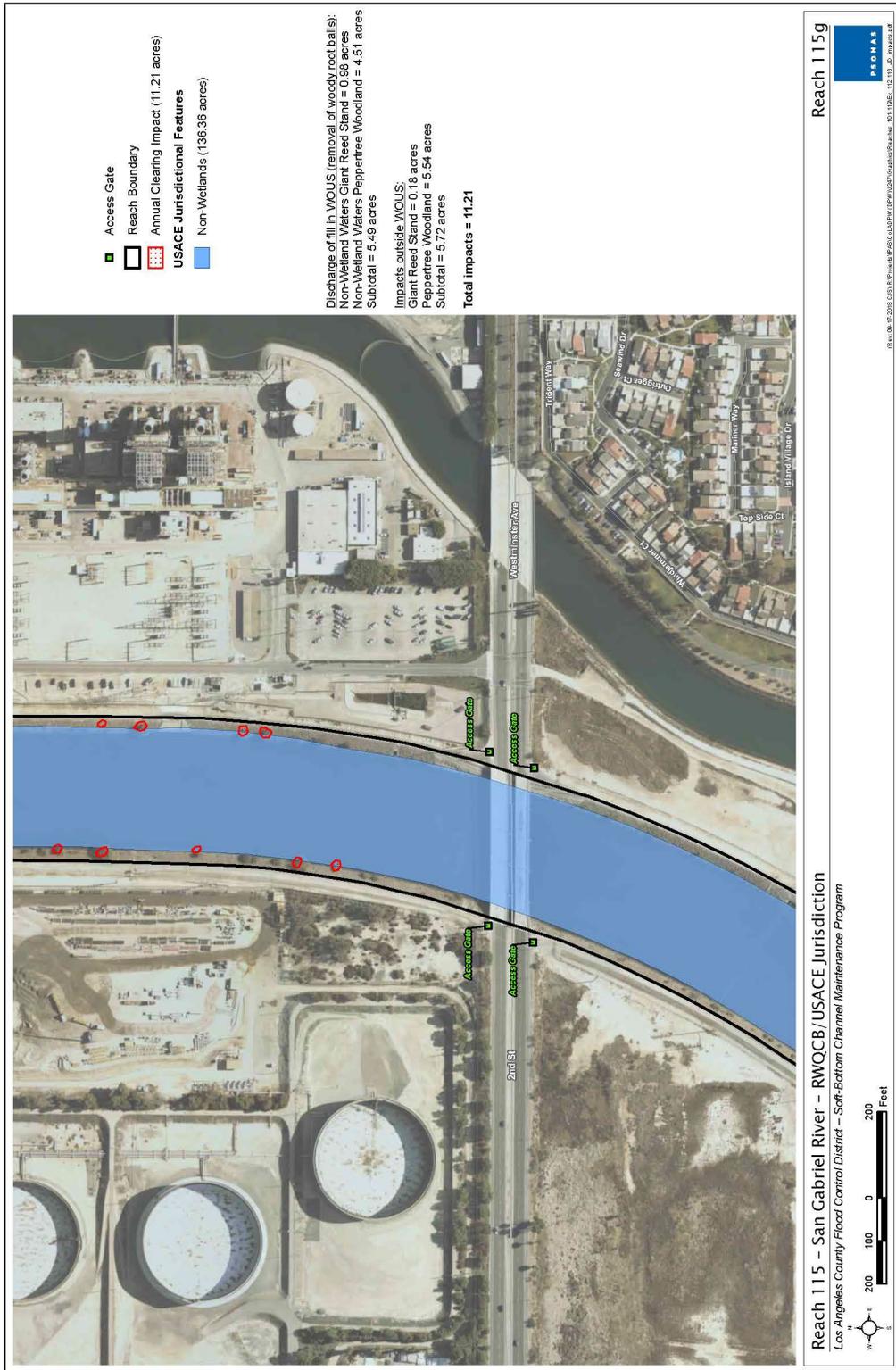
Reach 115



Reach 115



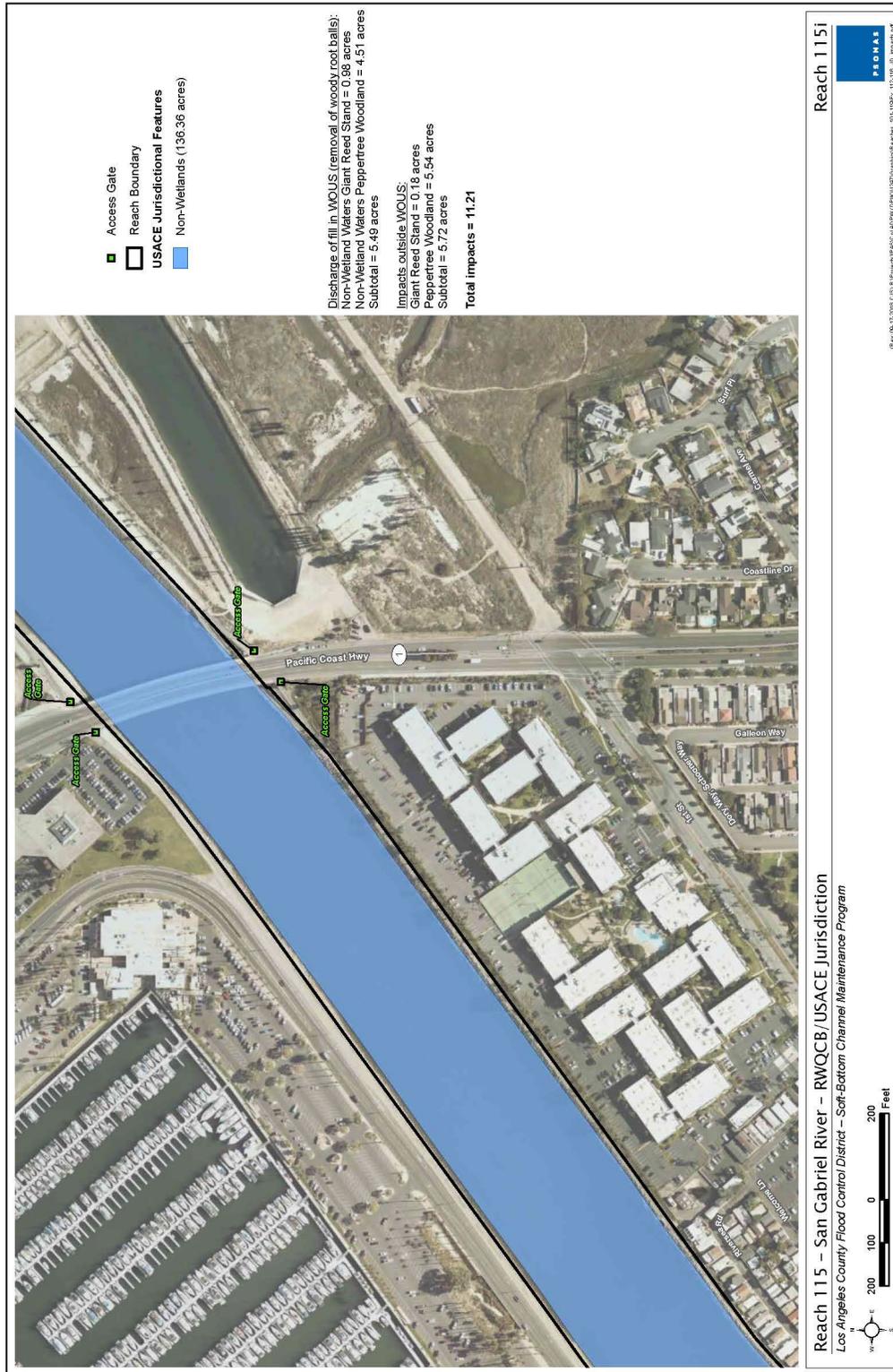
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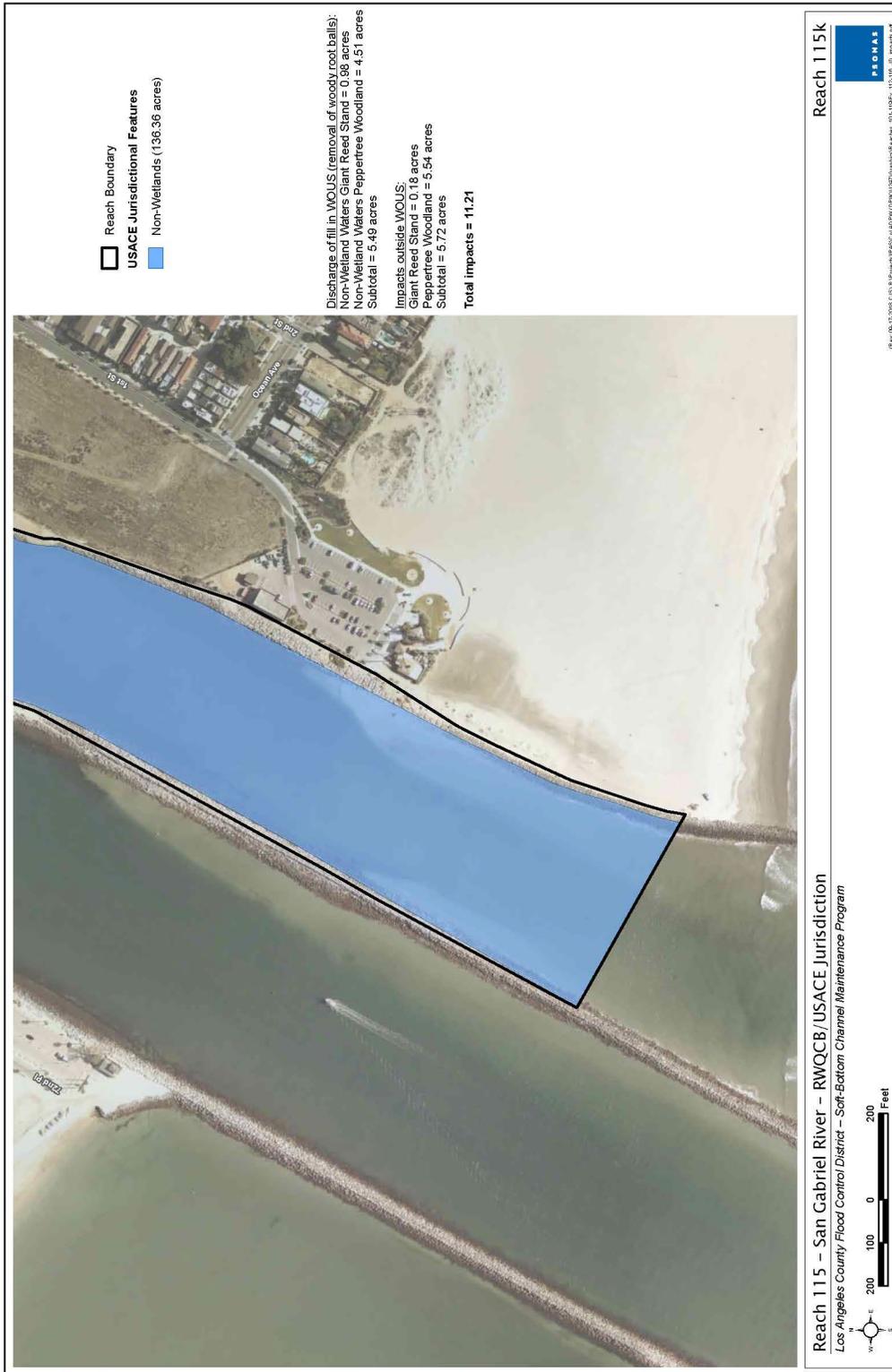
Reach 115



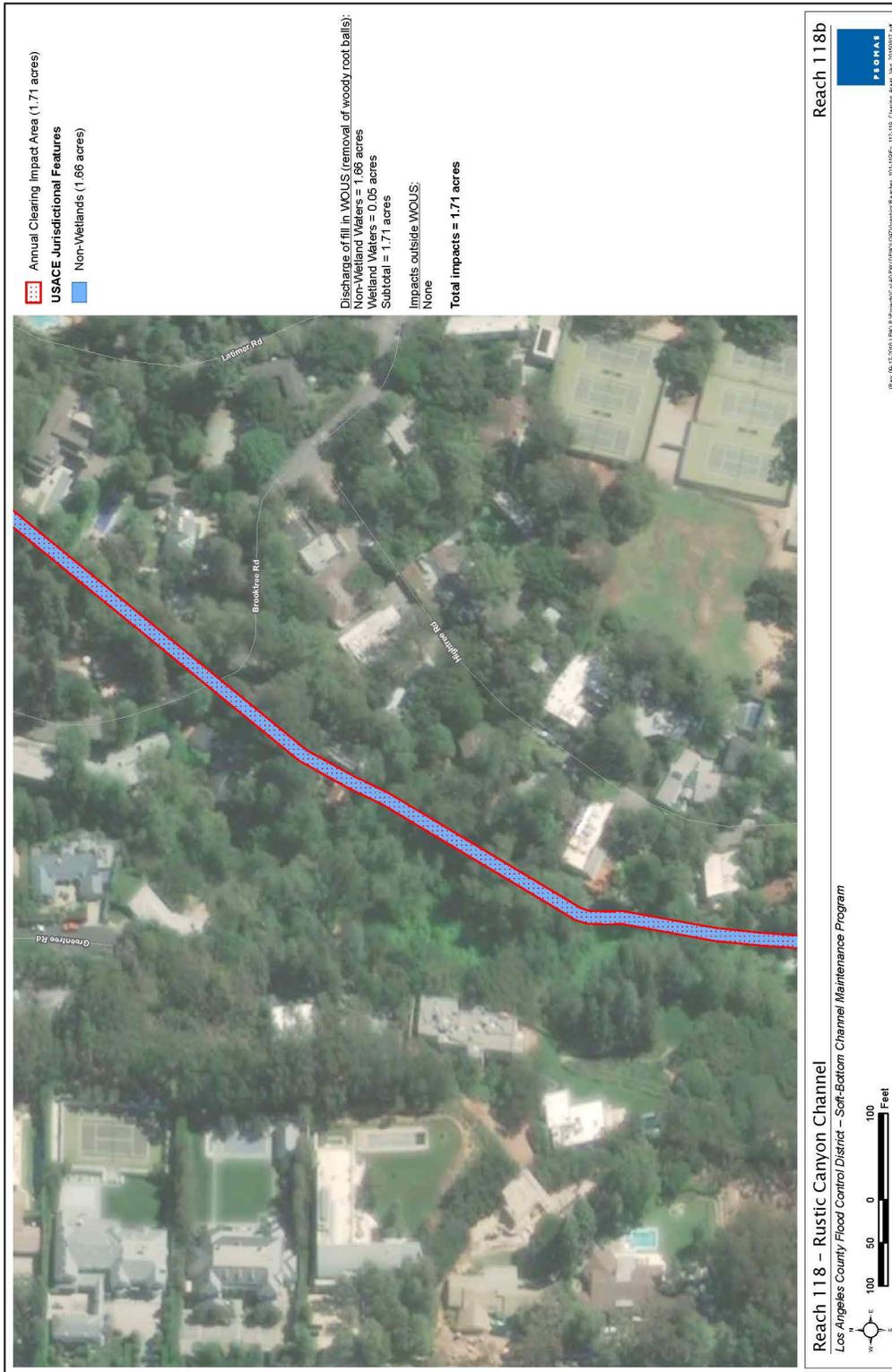
Reach 115



Reach 115



Reaches 118 and 119



Reaches 118 and 119



Attachment B
Signatory Requirements

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

¹STATEMENT 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	<p>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.</p> <p><u>During the Active Discharge Period</u></p> <ul style="list-style-type: none"> • Topic 1: Construction Summary • Topic 2: Mitigation for Temporary Impacts Status • Topic 3: Compensatory Mitigation for Permanent Impacts Status <p><u>During the Post-Discharge Monitoring Period</u></p> <ul style="list-style-type: none"> • 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	<ol style="list-style-type: none"> 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: <ol style="list-style-type: none"> 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	<p>*If not applicable report N/A.</p> <ol style="list-style-type: none"> 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	<p>*If not applicable report N/A.</p> <p>Part A. Permittee Responsible</p> <ol style="list-style-type: none"> 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. <p>Part B. Mitigation Bank or In-Lieu Fee</p> <ol style="list-style-type: none"> 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
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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	<ol style="list-style-type: none"> 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	<p>Part A: Mitigation for Temporary Impacts</p> <ol style="list-style-type: none"> 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. <p>Part B: Permittee Responsible Compensatory Mitigation</p> <ol style="list-style-type: none"> 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). <p>Part C: Post-Construction Storm Water BMPs</p> <ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts: <ol style="list-style-type: none"> 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 BMP¹ 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 reasonable 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 affect 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 seq.), 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)