#### DRAFT MASTER MAINTENANCE PLAN ANNUAL MAINTENANCE OF SOFT-BOTTOM FLOOD CONTROL CHANNEL REACHES 1–121

Prepared by

County of Los Angeles Department of Public Works Los Angeles County Flood Control District 900 South Freemont Avenue Alhambra, California 91803



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## ATTACHMENTS

Attachment A. Reach List and Locations Table Acreage Summary Table Attachment B. Biological Permitting Summary Table Attachment C. **Regional Vicinity Map** Attachment D. Reach Mapbook Attachment E. **Mitigation Monitoring Forms** Attachment F. 2016 Water Quality Monitoring Guide (included in separate file) Attachment G. 2016 Water Diversion Manual and BMP (included in separate file) Attachment H.

## 1.0 INTRODUCTION

Herein is the Los Angeles County Flood Control District's (LACFCD's) Master Maintenance Plan (MMP) for the annual clearing of vegetation in soft-bottom (also known as earthen-bottomed) flood-control channel reaches 1-121. Attachment A includes an updated table of these reaches. This MMP includes recommended updates and revisions at these flood-control reaches. This document includes annual and as-needed activities to maintain these reaches.

This MMP has been written to provide a dynamic format for infrequent or annual modifications in the future. LACFCD will always seek regulatory approval of these modifications. This document is intended to be utilized by regulatory agencies and by LACFCD staff including headquarters staff, field office staff, and field crews.

## 1.1 SOFT-BOTTOM CHANNEL CLEARING HISTORY

The original LACFCD maintenance plan included 100 reaches and was approved with issuance of the 1997 permits by the U.S. Army Corps of Engineers (USACE), the California Department of Fish and Wildlife (CDFW), and the California Regional Water Quality Control Board (RWQCB). The 1999 CDFW Memorandum of Understanding (MOU) allowed that only those areas where vegetation was removed in 1997/1998 may continue to have vegetation cleared every year. The vegetation that was removed was mitigated for under the original MOU and its amendments.

In 2015, the coastal soft-bottom channels, Reaches 112, 114, 115, 117, 118, and 119, were permitted individually with USACE, CDFW, and RWQCB. The California Coastal Commission (CCC) also permitted maintenance at channels within the Coastal Zone, which are potions of Reaches 112, 113, 115, and 118.

Since then, there have been few revisions to the permits that have allowed for additional vegetation removal. The 1999 maintenance plan (entitled *Maintenance Plan for Annual Clearing of Earth-Bottom Flood Control Channels*, dated February 2, 1999) includes the acreage of vegetation (protected polygons) that is required to remain. These original protected polygons were mapped, but those maps have since been lost. The protected polygons that remain during current practices are summarized in the Biological Permitting Summary Table (Attachment B) and are mapped in Section 3.0 reach by reach.

Biological surveys continue to be conducted as required by current permits. The results of the most recent surveys are summarized in the Biological Permitting Summary table (Attachment B) and repeated in Section 3.0 reach by reach. A regional vicinity map is provided in Attachment F. Individual reach maps with right-of-way boundaries and proposed reach limits are provided with each reach in Section 3.0.

Compensatory mitigation and agency approval are required for clearing additional vegetation and for clearing in any reaches that were not approved in 1997/1998. The LACFCD is in the process of obtaining all necessary permits before performing the maintenance activities necessary for these flood-control facilities to operate as intended.

## 1.2 DEFINITIONS

- a. Bi-annual preserved polygon: Vegetation rooted in the channel invert that is removed every two years. This usually takes place in reaches where one half of the reach width is cleared one year, and the second half of the reach length is cleared the following year.
- b. Designated Qualified Biologist: All biologists that conduct the pre- and postclearing surveys and monitor the maintenance activities and are on the CDFWapproved list of qualified biologists.
- c. Hand clear: Manually clear vegetation using hand-held equipment such as chainsaws and weed whippers.
- d. Impacts: All areas of impacts that are not already designated as a Modified Preserved Polygon or as a developed area (eg. concrete levee).
- e. Invasive vegetation: In this document, this refers to invasive perennial plant species, such as Arundo and Tamarisk. This does not refer to small herbaceous species such as non-native grasses or mustard weeds.
- f. Lollipopping: To trim side branches off tree trunks from the ground to a specified height, commonly six feet.
- g. Mechanically clear: Clear vegetation using heavy equipment such as Gradalls and backhoes.
- h. Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it. This definition refers to areas that are maintained, but some vegetation remains. Further impacts to these polygons would need to be permitted separately and would likely require mitigation at a low ratio.
- i. New vegetation: Areas that will have increased native vegetation based upon approved Feasibility Study recommendations.
- j. Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.
- k. Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)
- I. Right and left bank: As the viewer is looking downstream.
- m. Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway. Further impacts to these polygons would need to be permitted separately and would likely require mitigation at a high ratio.

## 1.3 CHANNEL REACH RENUMBERING

Since 1997, resource management and/or land use changes in the various watersheds have resulted in the removal, separation, or combination of the following reaches:

- a. Reaches that have been removed because they are not maintained by LACFCD include Reaches 11, 17, 23, 30, 31, 34, 65, 68, 74, 81, 83, 84, 85, 106, 107, and 111 (subtract 16).
- b. Reaches 25, 40, and 43 now have both an (a) and (b) component and are discussed separately (add three).
- c. Reaches that have been combined include Reach 59 into Reach 58 and Reach 62 into Reach 61 (subtract two).
- d. Reaches 101-105, 108-110, and 112-119 were added in 2010 (add 16) Reaches 120 and 121 were added in 2018 (add two).
- e. In summary, the reach numbers are sequential 1-121, except for the changes described above. That leaves 108 reaches discussed in this Master Maintenance Plan.

As reaches are removed or added to LACFCD jurisdiction, the Maintenance Plan will continually be modified to reflect current conditions and to assist permitting procedures. It is the goal of this Master Maintenance Plan to provide consistency between the various permits and agencies that regulate these activities.

## 2.0 GENERAL CONDITIONS

## 2.1 MINOR STRUCTURAL REPAIRS

Minor structural repairs for Reaches 1-119 are permitted under California Department of Fish and Wildlife Streambed Alteration Agreement #1600-2014-0238-R5 and the California Regional Water Quality Control Board Los Angeles Region Order No. R4-2015-0032-A1 (File No. 99-011) Waste Discharge Requirements without prior notification.

USACE Nationwide Permit verification letter (SPL-2013-00723-BLR) requires the repairs to be included in the Annual Workplan. If they are not included, then emergency permits are required.

| Example Non-Emergency Repair Activities                                     |  |   |  |  |  |  |
|---|--|---|--|--|--|--|
| Re-grading inverts to<br>repair minor erosion and<br>to remove ponded water | Invert and slope repairs                               | Storm drain outfall maintenance                                     |  |  |  |  |
| Repair of minor storm<br>damage   | Erosion control structures                             | Vegetation removal  |  |  |  |  |
| In-kind structural repairs  | Bank stabilization<br>(bioengineering/recontouring)    | Streambed/invert repair   |  |  |  |  |
| Minor in-kind riprap<br>replacement   | Bank stabilization (rip-<br>rap/retaining wall/gabion) | Repair of invert access<br>ramps, roads, and other<br>appurtenances |  |  |  |  |
| Flap gate repair and/or<br>replacement                                      | Levee repairs  |   |  |  |  |  |

## 2.2 APPLICABLE PERMITS

All permit conditions listed in this Master Maintenance Plan are derived from the permits listed in the tables below.

| Agency | Permit Number                                   | Reaches               | Exp. date     |  |
|--------|---|-----------------------|---------------|--|
| USACE  | SPL-2013-00723-BLR                              | 1–100, 108            | Mar. 18, 2018 |  |
| CDFW   | 1600-1999-0076-R5<br>a. Amendment: Condition 12 | 1–100 (veg removal)   | Sep. 1, 2018  |  |
| CDFW   | 1600-2014-0238-R5                               | 1–119 (minor repairs) | Sep. 30, 2035 |  |
| RWQCB  | R4-2015-0032 – Waste<br>Discharge Requirements  | 1–110                 | July 20, 2018 |  |

|              | Reaches with Separate Permits (New Reaches) |              |                                 |              |  |                     |          |              |  |
|--------------|---|--------------|---------------------------------|--------------|--|---------------------|----------|--------------|--|
| Deeeb        | USACE                                       |              | RWQCB                           |              | CDFW   |                     | CCC      |              |  |
| Reach<br>No. | Permit #                                    | Exp.<br>date | Permit #                        | Exp.<br>date | Permit #   | Exp.<br>date        | Permit # | Exp.<br>date |  |
| 33           | Included<br>in larger<br>permit             |              | Included<br>in larger<br>permit |              | 1600-1999-<br>0076-R5<br>Amend.                  | Sep.<br>1,<br>2018  | N/A      |              |  |
| 101          | No appl.                                    |              | No appl.                        |              | No appl.   |                     | N/A      |              |  |
| 102          | No appl.                                    |              | No appl.                        |              | No appl.   |                     | N/A      |              |  |
| 103          | No appl.                                    |              | No appl.                        |              | No appl.   |                     | N/A      |              |  |
| 104          | No appl.                                    |              | No appl.                        |              | No appl.   |                     | N/A      |              |  |
| 105          | SPL-2014-<br>00684-<br>PKK                  |              | See above                       | See<br>above | CDFW<br>Verification<br>Request<br>Letter        | Oct.<br>31,<br>2017 | N/A      |              |  |
| 108          | Included<br>in larger<br>permit             |              | Included<br>in larger<br>permit |              | Dec. 18, 2014<br>1600-1999-<br>0076-R5<br>Amend. | Sep.<br>1,<br>2018  | N/A      |              |  |

| Reaches with Separate Permits (New Reaches) |                            |                     |          |                     |   |                    |   |                     |
|---|----------------------------|---------------------|----------|---------------------|---|--------------------|---|---------------------|
| Reach                                       | USACE                      |                     | RWQCB    |                     | ĊDFW  |                    | CCC   |                     |
| No.   | Permit #                   | Exp.<br>date        | Permit # | Exp.<br>date        | Permit #  | Exp.<br>date       | Permit #                                    | Exp.<br>date        |
| 109   | No appl.                   |                     | No appl. |                     | No appl.  |                    | N/A   |                     |
| 110   | No appl.                   |                     | No appl. |                     | No appl.  |                    | N/A   |                     |
| 112/117                                     | SPL-2015-<br>00239-<br>BLR | Mar.<br>18,<br>2018 | 14-125   | Mar.<br>18,<br>2018 | Sep. 1, 2016<br>1600-1999-<br>0076-R5<br>Amend. | Sep.<br>1,<br>2018 | Veg. 5-15-<br>1065<br>Struct. 5-15-<br>1064 | Oct. 23,<br>2020    |
| 113   | No appl.                   |                     | No appl. |                     | No appl.  |                    | Veg & Str. 5-<br>15-1760                    | Dec.<br>16,<br>2020 |
| 114   | SPL-2015-<br>00258-<br>BLR | Mar.<br>18,<br>2018 | 15-038   | Mar.<br>18,<br>2018 | Oct. 5, 2015<br>1600-1999-<br>0076-R5<br>Amend. | Sep.<br>1,<br>2018 | No work<br>proposed in<br>Coastal<br>Zone.  |                     |
| 115   | SPL-2014-<br>00691-<br>BLR | Mar.<br>18,<br>2018 | 14-132   | Mar.<br>18,<br>2018 | Oct. 5, 2015<br>1600-1999-<br>0076-R5<br>Amend. | Sep.<br>1,<br>2018 | Veg. 5-15-<br>1026<br>Struct. 5-15-<br>1046 | Oct. 23,<br>2020    |
| 116   | No appl.                   |                     | No appl. |                     | No appl.  |                    | 5-15-1759                                   | Waiver              |
|   | SPL-2014-                  |                     |          | Mar.                | Oct. 17, 2014                                   | Sep.               | Veg. 5-15-<br>1028                          | Oct. 23,            |
| 118/119                                     |                            | 18, 14-<br>2018     | 14-145   | 18,<br>2018         | 1600-1999-<br>0076-R5<br>Amend.                 | 1,<br>2018         | Struct. 5-15-<br>1029                       | 2020                |
| 120   | No appl.                   |                     | No appl. |                     | No appl.  |                    | N/A   | N/A                 |
| 121   | No appl.                   |                     | No appl. |                     | No appl.  |                    | N/A   | N/A                 |

## 2.3 COMBINED PERMIT CONDITIONS FROM ALL AGENCIES

The agency (USACE, CDFW, RWQCB, and CCC) whose permits requires the conditions below is delineated in parentheses at the end of each Condition. Conditions that separately discuss individual reaches are included in Section 3.0.

- Dates: To avoid impacts to nesting birds, removal of native vegetation at nonsensitive reaches will not occur from March 15 to September 1. At USACEsensitive reaches, vegetation maintenance may not occur from March 15 to September 15. If necessary to conduct maintenance within these dates, a nesting bird survey will be conducted by a qualified biologist within 72 hours of the anticipated start date. (USACE, CDFW, RWQCB)
- 2) **Pre-Maintenance Biological Survey:** A qualified biologist will review grading plans, perform pre-clearing biological resource surveys (Attachment C), and complete photo-documentation. (USACE, CDFW, RWQCB)

- 3) Pre-Maintenance Reporting: By August 1, submit to all agencies the Annual Workplan that includes a schedule of the upcoming reaches proposed for maintenance clearing and repairs and the MMP, updated with any changes to the proposed activities. (USACE, CDFW, RWQCB) The CDFW requires proposed minor structural repairs to be summarized separately and submitted to them by July 1. (CDFW) See all permits for details.
- 4) During-Maintenance Biological Work: Maintenance of <u>some</u> sensitive reaches will be monitored by a qualified biologist with expertise in riparian assessments. See reach-specific permit conditions in Section 3.0 for which reaches require monitoring by a qualified biologist. The biologist will oversee all aspects of maintenance monitoring that pertain to biological resource protection, ensure compliance with the avoidance and minimization measures, and implement and monitor the program. A biological monitoring form will be used to record all information (see Attachment C). This biologist will ensure that all protected areas are marked properly and will ensure that no vegetation outside the specified areas is removed. The biologist will have the authority to stop work, as necessary, if instructions are not followed. The biologist will be available for consultation to all agencies within 24 hours of a request for consultation. (USACE, CDFW, RWQCB)
- 5) **Post-Maintenance Reporting:** By May 1, submit to all agencies the Annual Maintenance and Monitoring Report that includes a final schedule, all mitigation monitoring forms (see Attachment C), photo-documentation, water quality test results, and copies of applicable permits. (USACE, CDFW, RWQCB) See all permits for details.

## 6) Invasive Species:

- a) *Invasive species control:* Implement the Plan for Hazard Analysis and Critical Control Points (HACCP, dated April 1, 2010) or any subsequently Executive Officer-approved HACCP to limit the spread of invasive species (RWQCB).
- b) *Pre-Maintenance Invasive Species Education Program:* Prior to the commencement of any project activities, conduct an Invasive Species Education Program for all persons working on the project site. The program will consist of a presentation from a qualified biologist that includes a discussion of the invasive species currently present within the project site as well as those that may pose a threat or have the potential to invade the project site. (CDFW)
- c) *Invasive Species Spread Prevention:* Conduct project activities in a manner that prevents the introduction, transfer, and spread of invasive species, including plants, animals, and microbes (e.g., algae, fungi, parasites, bacteria), from one project site and/or watershed to another. (CDFW)
- d) *Inspection of Project Equipment:* Inspect for invasive species on all vehicles, tools, waders and boots, and other project-related equipment and remove all visible soil/mud, plant materials, and animal remnants prior to entering and

exiting the project site and/or between each use in different watersheds. (CDFW)

- 7) Access and Staging: All access routes, vehicle maintenance, equipment staging, trash/debris/waste storage, and dispensing of fuel will be located within existing parking areas, access roads, and access ramps. Trash/debris/waste will be relocated to a legal point of disposal. (USACE, CDFW, RWQCB)
  - a) No equipment maintenance will be done within or near any stream channel or lake margin as petroleum products or other pollutants from the equipment may enter these areas (CDFW).
- 8) **Soil Erosion and Sediment Controls:** During maintenance, appropriate soil erosion and sediment controls will be used and maintained in effective operating condition. Permanently stabilize all exposed soil, other fills, above and below the ordinary high water mark or high tide line at the earliest practicable date. If rain is predicted within 12 hours after maintenance operations begin, activities will cease temporarily, and protective measures to prevent siltation/erosion will be implemented and maintained. Dust disturbance will be minimized so there will be no downstream runoff. (USACE, CDFW, RWQCB)
- 9) **Sediment:** The need for removal of accumulated sediment or regrading of scoured areas in dry non-vegetated areas will be assessed by LACFCD on an annual basis to return the affected areas to design capacity elevations.
  - a) *Removal of accumulated sediment*. Small quantities of dry accumulated sediment (temporary fills) will be removed in its entirety and not relocated or stockpiled in any way. It will be placed directly into a sediment transportation vehicle. (USACE)
  - b) *Grading of scoured areas*: Sediment may be graded (discharge of fill) to return the channel to its original condition, for example, due to scouring at the toe of a levee, drop structure or anywhere in the reach. If a small, dry, unvegetated area has been scoured, small quantities of adjacent accumulated sediment may be graded to fill the scoured area. (CDFW)
  - c) A small quantity of sediment is defined as 50 cubic yards unless otherwise specified in the reach-specific conditions in Section 3.0. (USACE, CDFW, RWQCB)
  - d) Hand tools may be used in the channel, and all heavy equipment will be parked on the access roads and not in the channel. (USACE) No biological surveys or monitoring will be necessary in dry non-vegetated reaches during sediment removal. (CDFW) Impacts to remaining vegetation will be minimized as much as possible. Before and after pictures will be taken as documentation of the work and included in post-maintenance documentation. (CDFW) If larger quantities of sediment must be removed or graded to return the channel to its original condition, or if affected areas are wet or vegetated, separate permits will be applied for.

- 10) **Water Quality:** Water quality monitoring will be conducted at each reach using the Water Quality form (Attachment D). Maintenance activities will 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, nor cause aesthetically undesirable discoloration of the receiving waters;
  - d) cause formation of sludge deposits; or
  - e) adversely affect any designated beneficial uses. See permit for details. (RWQCB)
- 11) **Stream Gauge Maintenance:** In order to obtain accurate flow readings from all monitoring equipment mounted on bridges and/or other structures, vegetation within monitored channels will be cleared to bank-full capacity (unless otherwise specified in the Annual Workplan) upstream and downstream of the gauges, conduits, pumps, sensors, and probes or bridge to obtain accurate readings and prevent equipment damage. In addition, maintenance may include performing repair and replacement in kind of existing monitoring equipment if inspection results require such activities. Stream gauge maintenance will occur between September 1 and March 1. If maintenance activities on this monitoring equipment is necessary during the nesting season, appropriate nesting bird surveys will be conducted prior to starting work. 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. (RWQCB)
- 12) Water Diversion Plan: All surface water will be diverted away from areas undergoing maintenance, following the approved Water Diversion Plan (Attachment E). (CDFW, RWQCB)
- 13) USACE Levee Guidelines: Follow the USACE ETL 1110-2-583 "Guidelines for Landscape Planting and Vegetation Management at Levees, Floodwalls, Embankment Dams, and Appurtenant Structures," adopted by USACE on April 30, 2014, which generally requires that there is no vegetation within 15 feet of a levee structure. (RWQCB)
- 14) Best Management Practices: Follow the "BMP Manual for Soft Bottom Clearing" developed by LACFCD in 2003 and all other necessary BMPs. (USACE, CDFW, RWQCB)
- 15) **Permits Onsite:** Copies of the MMP and all regulatory approvals (permits) for this project should be available on site at all times during maintenance activities. (USACE, CDFW, RWQCB)

- 16) **Non-Compliance:** LACFCD or their agents will report any noncompliance with a regulatory approval within 24 hours. See permit for details. (RWQCB)
- 17) **Archeology**: In the event of any discoveries during maintenance of historical artifacts, notify the USACE Archeology Staff within 24 hours. (USACE)
- 18) **Mitigation:** Compensatory mitigation is necessary for all new impacts within the channels. See permits for details. (USACE, CDFW, RWQCB)
- 19) **Natural Rivers Management Plan**: All Santa Clara River reaches will follow the provisions of the Natural Rivers Management Plan. (RWQCB)

#### [The conditions listed below will not be included in this Section 2.3. They will be placed in the Specific Permit Conditions subheading for the individual reaches in Section 3.0. We have kept them here while we solidify their language.]

- 20) Invasive species (Reaches 27, 28, 29, 32, 33, 36, 37, 38):
  - a) *Hazard Analysis and Critical Control Point*. Comply with the HACCP plan developed by the LACFCD for the WDR and adopted on February 4, 2010, by the Los Angeles RWQCB. Pre-clearing aquatic invasive species surveys will be conducted in the reaches of the Malibu Creek Watershed. (RWQCB)
  - b) Decontamination of Wet Project Equipment: All tools, waders and boots, and other equipment that come into contact with water (for instance, equipment used to implement water diversion plans) will be decontaminated. Project gear and equipment will be decontaminated utilizing one of three methods: drying, using a hot water soak, or freezing, as appropriate to the type of gear or equipment. For all methods, Permittee will begin the decontamination process by thoroughly scrubbing equipment, paying close attention to small crevices such as boot laces, seams, net corners, etc., with a stiff-bristled brush to remove all organisms. To decontaminate by drying, Permittee will allow equipment to dry thoroughly (i.e., until there is a complete absence of water), preferably in the sun, for a minimum of 48 hours. To decontaminate using a hot water soak, Permittee will immerse equipment in 140°F or hotter water and soak for a minimum of 5 minutes. To decontaminate by freezing, Permittee will place equipment in a freezer 32°F or colder for a minimum of 8 hours. Repeat decontamination is required only if the equipment/clothing is removed from the site, used within a different watershed, and returned to the project site. (CDFW)
  - c) Decontamination of Vehicles and Equipment: If decontamination for aquatic invasive animal species is applicable, Permittee will decontaminate vehicles and other project-related equipment too large to immerse in a hot water bath by pressure washing with hot water a minimum of 140°F at the point of contact or 155°F at the nozzle. Additionally, Permittee will flush watercraft engines and all areas that could contain standing water (e.g. storage compartments) for a minimum of 10 minutes. Following the hot water wash, Permittee will dry all

vehicles, watercraft, and other large equipment as thoroughly as possible. (CDFW)

- d) Decontamination Sites: If decontamination for aquatic invasive animal species is applicable, Permittee will perform decontamination of vehicles, watercraft, and other project gear and equipment in a designated location where runoff can be contained and not allowed to pass into CDFW jurisdictional areas and other sensitive habitat areas. (CDFW)
- e) Notification of Invasive Species: Permittee will notify CDFW immediately if an invasive species not previously known to occur within the project site is discovered during project activities by submitting a completed Suspect Invasive Species Report (available online at: http://www.dfg.ca.gov/invasives/inv reporting/sightingReport.html) and photos to the Invasive Species Program by email at: invasives@wildlife.ca.gov. Notification may also be provided by calling (866) 440-9530. Upon receiving notification, CDFW will provide Permittee with guidance for further action as appropriate to the species. (CDFW)
- 21) Dates (Reaches 28, 47, 51, 54, 55, 56, 58, 60, 61, 63, 64, 66, 75, and 86 (14 in sum)): Maintenance will not occur from March 15 to September 15. If necessary to conduct maintenance within these dates, a qualified biologist will conduct a nesting bird survey within 72 hours of the anticipated start date. (USACE)
- 22) **Dates (All Other Reaches):** Maintenance may take place between September 1 and March 14. If work will take place outside those dates, coordination with all agencies and a nesting bird survey will be conducted within 72 hours of the anticipated start date. (USACE, CDFW)
- 23) Rain (Reaches 112, 113, 114, 115, 116, 117, 118, 119): Do not conduct any operations within the reach in the water during a rainfall event. Maintain a five-day (5-day) clear weather forecast before conducting any operations within the water. (RWQCB)
- 24) Rain (All other reaches): Do not conduct any operations within the reach in the water during a rainfall event. Maintain a one-day (1-day) clear weather forecast before conducting any operations within the water. If rain is predicted within 12 hours after operations have begun, activities shall cease temporarily, and protective measures to prevent siltation/erosion shall be implemented and maintained. (RWQCB)
- 25) Least Bell's Vireo (LBV) and Southwestern Willow Flycatcher (SWWF) (Reaches 28 and 75): A qualified avian biologist will conduct monitoring via focused surveys for the LBV and SWWF to determine presence or absence. If results of focused surveys are positive, the permittee shall have a qualified avian biologist on-site to identify and flag seasonally occupied habitat immediately prior to conducting activities in waters of the United States. The qualified avian biologist shall monitor all clearing activities within those reaches and shall have the authority to stop and/or modify the activities if the activity has the potential to affect a listed species. (USACE)

- 26) Least Bell's Vireo (LBV) (Reaches 14, 27, 39, 40b, 43a and 43b (6 reaches): To avoid and minimize impacts to the LBV, the permittee shall avoid removing seasonally occupied habitat in where the results of focused surveys have been positive. (USACE)
- 27) Southwestern Willow Flycatcher (SWWF) (Reaches 7, 12, 14, 27, 40b, 43a, and 43b (7 reaches): To avoid and minimize impacts to the SWWF, the permittee shall avoid removing seasonally occupied habitat in where the results of focused surveys have been positive. (USACE)
- 28) Southwestern Willow Flycatcher (SWWF) (Reaches 87 and 97): In addition, to avoid effects to SWWF, maintenance activities in waters of the United States may only occur outside (September 16 March 14) the nesting season (March 15 September 15) of any year. The permittee shall retain a qualified avian biologist to identify and flag seasonally occupied LBV habitat immediately prior to conducting the authorized work in waters of the United States. The qualified avian biologist shall monitor all clearing activities within these reaches and shall have the authority to stop and/or modify the clearing activities if in the professional opinion of the biologist, the activity has the potential to affect the LBV. Modifications to the clearing activity may include. If surveys document the LBV at other reaches during preconstruction surveys, this measure will also apply to those reaches. (USACE)
- 29) Western Yellow-Billed Cuckoo (YBC) (Reaches 14, 27, 39, 40b, 43a, 43b, 44, 71, 79, 80, 87, and 97): The permittee shall also conduct protocol surveys for YBC during the next breeding season to provide additional information on the status of the species in the project area. If the YBC is detected, the applicant should contact the Ventura Fish and Wildlife Office (VFWO) or Carlsbad Fish and Wildlife Office (CFWO) and the Corps to determine if further consultation is required. (USACE)
- 30) California Gnatcatcher (CAGN) (Reaches 4, 12, 13, 14, and 29): To avoid any effect of CAGN, discharges or fill material in waters of the United States are not authorized under this permit without pre-construction surveys (not 'focused') with negative results within 300 feet of the proposed work. Preconstruction surveys shall be conducted prior to clearing activities at all reaches with potential to support the CAGN. If the CAGN is present, the permittee would not conduct channel-clearing and would notify the Corps and U.S. Fish and Wildlife Service. If survey results are negative, work may be conducted only between September 1 and February 14 (outside the breeding season). (USACE)
- 31) Arroyo Toad (ARTO) (Reaches 71, 75, 80, 82, and 86): To avoid effects to ARTO, a qualified biologist will conduct focused pre-construction surveys in Reaches 71, 75, 80, 82, and 86 that have been identified as potential habitat for ARTO to determine presence or absence of the species, as well focused surveys which contain critical habitat for ARTO. If ARTO is present in any reach, then no channel clearing activities shall occur within waters of the United States and the permittee must notify the Corps and USFWS. (USACE)

- 32) Santa Ana Sucker (SAS) (Reaches 12 and 39): To avoid any effect to the SAS, no discharges of fill material in waters of the United States are authorized under this permit when surface flow is present. Preconstruction surveys shall be conducted prior to clearing activities at all reaches with potential to support the SAS. If the SAS is present, the permittee would not conduct channel clearing in that reach until surveys are negative or until the following year. If delaying channel clearing activities for 1 year is not possible, the permittee would leave a 10-foot buffer of vegetation adjacent to the active channel and vegetation outside of the 10-foot buffer would be cleared by hand. Clearing will be monitored by a qualified biologist who would have the authority to stop and/or modify the clearing activities if, in the professional opinion of the biologist, the activity has the potential to adversely affect the SAS. Modifications to the clearing activities include restricting the use of heavy equipment and conducting only hand clearing in those areas. (USACE)
- 33) Unarmored Threespine Stickleback (UTS) (Reaches 47, 50, 51, 54-56, 58, 60, 61, 63, 64, 66 (12 Reaches) and 67, 69, 70, 71, 80, 82, 87, and 97 (8 Reaches): To avoid any effect to the UTS, discharges of fill material and/or heavy equipment is not authorized in waters of the United States between November 2 and August 31 where flowing or pooled water is present. For the shorter part of the year (September 1 to November 1) presence/absence surveys shall be conducted prior to channel-clearing activities in the above reaches. If the UTS is present, the permittee will not conduct channel-clearing in that reach until the surveys are negative. If delaying channel clearing activities is needed to avoid UTS, but delay for 1 year is not feasible, the permittee would leave a 10-foot buffer of vegetation adjacent to the active channel and vegetation outside of the 10-foot buffer would be cleared by hand. Clearing will be monitored by a qualified biologist who has the authority to stop and/or modify the clearing activities if, in the professional opinion of the biologist, the activity has the potential to adversely affect the UTS. Potential modifications to the clearing activities include prohibiting the use of heavy equipment and conducting only hand clearing in those areas. (USACE)
- 34) Unarmored Threespine Stickleback (UTS) (Reaches 47, 51, 54-56, 58, 60, 61, 63, 64, 66, 67, 69, 70, 71, 79, 80, 82, 86, 87, 97, 103-105, and 109):
  - a) Reaches with potential for UTS will have work restricted to September 1 through November 1, unless no surface water is present. (CDFW)
  - b) Limited to the dry portions of the Reaches. (CDFW)
  - c) Where there is flowing water in the stream no work will occur in flowing water, and it will not be diverted around the work area. (CDFW)
  - d) Visual pre-clearing surveys will be conducted prior to maintenance activities at all reaches with potential to support UTS. Visual pre-clearing surveys will be conducted by a biological monitor from the-approved list (see Condition 26 of CDFW permit) prior to maintenance activities at all reaches identified in this Condition. If water is present, then the Permittee will not conduct maintenance in the wetted areas until subsequent visual pre-clearing surveys are conducted

and the results verify the absence of water in areas subject to maintenance. (CDFW)

- e) If delaying maintenance activities in wetted areas for one year is not feasible, then Permittee will leave a modified-work buffer of 10 linear-feet measured from the outermost edge of the active wetted channel where modified maintenance may occur to the associated vegetation growing on visually wetted soils. The Permittee may remove vegetation outside of the 10 linearfoot buffer using any method approved as part of this Agreement. The Permittee may remove vegetation within the 10 linear-foot buffer using hand tools only. At no time will mechanized equipment enter the wetted portions of the stream. (CDFW)
- f) All maintenance activities conducted in reaches with potential UTS will be monitored by a Permittee's qualified biologist previously approved by CDFW (see Condition 26 of CDFW permit) who will have the authority to stop and/or modify the clearing activities if, in the professional opinion of the biologist, the activity has the potential to adversely affect the UTS. Modifications to the maintenance activities may include restricting the use of heavy equipment in areas of less compacted soils and allowing hand clearing only in these areas. (CDFW)

## 3.0 SCOPE OF WORK BY REACH

Maintenance activities may require conducting vegetation removal and as-needed minor structural repairs. For any of these scenarios that are not included in the below reach-by-reach discussion, the LACFCD will submit an email notification to the agencies prior to the beginning of work with the soft-bottom channel maintenance schedule. The following activities will be implemented with approval by all regulatory agencies. The maintenance plan with updated activities is discussed reach by reach below.

## 3.1 REACH NO. 1: BELL CREEK – MTD 963 MCI

## Scope of Work:

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

## Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

## 3.2 REACH NO. 2: DRY CANYON (CALABASAS) PD T1845

#### Scope of Work:

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

#### Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

## 3.3 REACH NO. 3: SANTA SUSANA CREEK MCI

## Scope of Work:

- Hand cutting and clearing vegetation and trees will be done in an 18-foot-wide by 75-foot-long area at the inlet to the concrete-lined channel.
- Large oak trees are not rooted within easement boundary.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? No

## 3.4 REACH NO. 4: BROWNS CREEK

#### Scope of Work:

- Mechanical equipment will be used to keep clear all vegetation from bank to bank within the rail and timber revetment.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

#### **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive. The 2015 USACE NWP lists potential for California gnatcatcher (FE<sup>1</sup>). The Scope of Work is 'Not likely to destroy or adversely modify' critical habitat.

#### Are there Protected Polygons to avoid? Yes

<sup>&</sup>lt;sup>1</sup> FE = Federally Endangered

## 3.5 REACH NO. 5: CABALLERO CREEK MCI (WEST FORK)

#### Scope of Work:

- The vegetation clearing work will involve hand clearing a 20-foot-wide path along the centerline of the channel.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

## 3.6 REACH NO. 6: CABALLERO CREEK MCI (EAST FORK)

#### Scope of Work:

- The vegetation clearing work will involve hand clearing a 20-foot-wide path along the centerline of the channel.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

## 3.7 REACH NO. 7: BULL CREEK MCO

#### Scope of Work:

- Hand clear vegetation and debris from the invert. This work will be done only in the first 275 feet of the reach, from the concrete reach outlet to the pedestrian bridge.
- Allow willows to grow in a single line (no more than one tree every ten feet) and to mature at the toe of the levee on the right bank.
- Lollipop these willows up to six feet.
- Use hand clearing only.
- LACFCD agreed to maintain this reach for USACE even though it is within USACE easement.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for least Bell's vireo (FE/SE<sup>2</sup>) and southwestern willow flycatcher (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

## Are there Protected Polygons to avoid? No

<sup>&</sup>lt;sup>2</sup> FE: Federally Endangered; SE: State Endangered

## 3.8 REACH NO. 8: HAYVENHURST DRAIN – PROJECT 470 OUTLET

#### Scope of Work:

- All vegetation in this reach will be cleared annually using mechanical or manual methods.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? No

## 3.9 REACH NO. 9: PROJECT 106 OUTLET

## Scope of Work:

- Brush and tree trimming will be performed annually to keep the invert free of vegetation and debris.
- Remove non-native ash trees at top of both banks and replace with native trees.
- Allow native sycamore trees to establish.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

## Are there Protected Polygons to avoid? Yes

## 3.10 REACH NO. 10: PROJECT NO. 469

## Scope of Work:

- The reach will be maintained clear all vegetation to allow flows in the storm drains upstream of Victory Boulevard (includes clearing of vegetation approximately 4,000 feet downstream of Victory Blvd.).
- Maintenance will also include mechanical grading to train flows to the centerline of the reach.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

## Are there Protected Polygons to avoid? No

## 3.11 REACH NO. 12: HAINES CANYON MCO

#### Scope of Work:

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

#### Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for Santa Ana sucker (FE), least Bell's vireo (FE/SE), and southwestern willow flycatcher (FE/SE). The 2015 USACE NWP lists potential for California gnatcatcher (FE). The Scope of Work 'May affect not likely to adversely affect' the species. The reach is located near (but not in) critical habitat for Santa Ana sucker.

#### Are there Protected Polygons to avoid? Yes

## 3.12 REACH NO. 13: PROJECT NO. 5215 UNIT 1

## Scope of Work:

- The channel clearing work involves mechanically clearing the earthen outlet reach with a backhoe and hand cutting all vegetation from the first 250 feet of the channel bottom (12-feet wide) downstream at the end of Christie Avenue.
- Bank vegetation and the remaining 300 feet of the channel will not be cleared.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive. The 2015 USACE NWP lists potential for California gnatcatcher (FE).

## Are there Protected Polygons to avoid? Yes

## 3.13 REACH NO. 14: MAY CHANNEL (MCO INTO PACOIMA CANYON)

#### Scope of Work:

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

#### Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is known occupation by least Bell's vireo (FE/SE). There is potential for southwestern willow flycatcher (FE/SE) and yellow-billed cuckoo (FE). The 2015 USACE NWP lists potential for California gnatcatcher (FE). The Scope of Work 'May affect not likely to adversely affect' the species.

#### Are there Protected Polygons to avoid? Yes

## 3.14 REACH NO. 15: PACOIMA WASH

#### Scope of Work:

- Mechanical equipment and hand cutting will be used to keep the reach cleared of all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

#### Are there Protected Polygons to avoid? Yes

# 3.15 REACH NO. 16: VERDUGO WASH – LAS BARRAS CANYON (CHANNEL INLET)

#### Scope of Work:

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

#### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

**Biological Context:** USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

## 3.16 REACH NO. 18: ENGLEHEARD CHANNEL

## Scope of Work:

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

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

## Are there Protected Polygons to avoid? Yes

## 3.17 REACH NO. 19: PICKENS CANYON

## Scope of Work:

- 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.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

## Are there Protected Polygons to avoid? Yes

# 3.18 REACH NO. 20: WEBBER CHANNEL (STREAM AT PRIVATE BRIDGE)

# Scope of Work:

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

# Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.19 REACH NO. 21: WEBBER CHANNEL (MAIN CHANNEL INLET DOWNSTREAM BRIDGE)

#### Scope of Work:

- 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.
- Do not allow additional oaks or other trees to grow on the banks.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.20 REACH NO. 22: HALLS CANYON

# Scope of Work:

- Except for on the crib structures, allow native shrubs (but not trees) to grow on the invert of the entire length of the channel.
- Protect native shrubs by selectively removing 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.

# Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

# Are there Protected Polygons to avoid? Yes

# 3.21 REACH NO. 24: COMPTON CREEK

# Scope of Work:

- Vegetation along the invert will be mowed to approximately 6 to 12 inches above grade using a skidsteer or a long-reach excavator with an attached mower.
- Leave the clippings in place.
- The vegetation along the water line will be mowed using a long-reach excavator with attached flail mower that gently mows the overgrowth back and away from the waterline to prevent increase turbidity in the water.
- An excavator with flail mower will be used to mow vegetation on the side slope.
- All invasive species such as castor beans will be removed by hand, except *Arundo donax* which will be mechanically removed.
- All equipment will have rubber tires or rubber tracks, not steel tracks.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

# Are there Protected Polygons to avoid? No

### 3.22 REACH NOS. 25(A) AND 25(B): LOS ANGELES RIVER – WILLOW STREET TO PACIFIC COAST HIGHWAY

### Scope of Work:

- Vegetation along the invert will be mowed to approximately 6 to 12 inches above grade using a skidsteer or a long-reach excavator with an attached mower.
- Leave the clippings in place.
- The vegetation along the water line will be mowed using a long-reach excavator with attached flail mower that gently mowed the overgrowth back and away from the waterline to prevent increased turbidity in the water.
- An excavator with flail mower will be used to mow vegetation on the side slope.
- All invasive species such as castor beans will be removed by hand, except *Arundo donax* which will be mechanically removed.
- All protected polygons will remain.
- All equipment will have rubber tires or rubber tracks, not steel tracks.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.23 REACH NO. 26: PROJECT 740

# Scope of Work:

- Hand trim the mature vegetation.
- New growth will not be allowed to become established and will be removed annually by manual methods.
- Ruderal vegetation above the banks will be mowed.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

# Are there Protected Polygons to avoid? Yes

# 3.24 REACH NO. 27: WILMINGTON DRAIN

# Scope of Work:

- [On hold until Long Term Maintenance Agreement has been finalized with the City.]
- Upstream of Lomita Boulevard, all vegetation will be cleared.
- Between Lomita Boulevard and Pacific Coast Highway, vegetation will be cleared from the toe of the invert to 3 feet up the slope on all banks, including the island. Upslope from that, vegetation on the island will remain.
- Clearing work in the reach invert will be done with mechanical equipment; vegetation on the banks will be trimmed with hand tools.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

# Specific Permit Conditions:

**Biological Context:** USACE sensitive. This is known territory for least Bell's vireo (FE/SE). There is potential for southwestern willow flycatcher (FE/SE) and yellow-billed cuckoo (FE). The Scope of Work 'May affect not likely to adversely affect' the species.

# Are there Protected Polygons to avoid? Yes

# 3.25 REACH NO. 28: TRIUNFO CREEK (PD T2200)

#### Scope of Work:

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

#### Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and western pond turtle. The Scope of Work 'May affect not likely to adversely affect' the species.

#### Are there Protected Polygons to avoid? Yes

# 3.26 REACH NO. 29: LAS VIRGENES CREEK (PD T1684) MCI

# Scope of Work:

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

# Dates Maintenance Can Occur:

# **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive. The 2015 USACE NWP lists potential for California gnatcatcher (FE). There is potential for western pond turtle. The reach is located near (but not in) critical habitat for Santa Ana sucker.

# Are there Protected Polygons to avoid? Yes

# 3.27 REACH NO. 32: STOKES CANYON CHANNEL (PD T043)

# Scope of Work:

- Hand clear all vegetation between the pipe and wire.
- Embankment vegetation outside the pipe and wire channel will be left in place.
- Plant at least 20 young coast live oaks (*Quercus agrifolia*) on the south bank between the bridge and the most upstream end of the reach.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

# Are there Protected Polygons to avoid? Yes

# 3.28 REACH NO. 33: MEDEA CREEK (PD T1378 U.2)

# Scope of Work:

- Trees will be lollipopped to a height of seven feet.
- The cattails downstream of Thousand Oaks Blvd will be allowed to naturally expand throughout this downstream area.
- If overgrowth of the cattails occurs over time, the vegetation at this location may need to be trimmed back every so often.
- Vegetation shall be removed by hand clearing only.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

# **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive. There is potential for western pond turtle.

Are there Protected Polygons to avoid? Yes

# 3.29 REACH NO. 34: MEDEA CREEK (PD T1005) MAIN CHANNEL OUTLET (CHUMASA PARK)

LACFCD transferred the fee title right of way and appurtenant flood control facilities to the City of Agoura Hills. Maintenance has been discontinued and the reach is removed from all regulatory permits.

## 3.30 REACH NO. 35: MEDEA CREEK MCI, UNDER ROUTE 101

## Scope of Work:

- This reach is not within LACFCD easement boundaries.
- Continue maintenance until the entity responsible for maintaining the reach is notified that the reach is their responsibility. Then discontinue maintenance and remove from all regulatory permits.
- Hand clearing will be performed to keep reach clear of all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

**Biological Context:** 

Are there Protected Polygons to avoid?

# 3.31 REACH NO. 36: CHESEBORO MAIN CHANNEL INLET

## Scope of Work:

- Hand clear vegetation in the invert.
- The tree canopy will remain, but with a clear "tunnel" path to convey flows.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

# **Specific Permit Conditions:**

Biological Context: USACE non-sensitive.

# Are there Protected Polygons to avoid? Yes

## 3.32 REACH NO. 37: MEDEA CREEK/CHESEBORO CREEK OUTLET

#### Scope of Work:

- Hand clearing work will be performed to keep reach clear of all vegetation, except protected polygons.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.33 REACH NO. 38: LINDERO MCO

## Scope of Work:

- Hand clearing work will be performed to keep reach clear of all vegetation.
- No native trees shall be removed with a 2-inch diameter at breast height or greater.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## **Dates Maintenance Can Occur:**

#### **Specific Permit Conditions:**

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? No

## 3.34 REACH NO. 39: BEATTY CHANNEL OUTLET AT SGR 25+99.00

#### Scope of Work:

- Mechanical equipment will be used to keep the channel outlet clear of all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. This is a known territory for least Bell's vireo (FE/SE). There is potential for Santa Ana sucker (FE), southwestern willow flycatcher (FE/SE), and yellow-billed cuckoo (FE). The Scope of Work 'May affect not likely to adversely affect' the species. The Scope of Work is 'Not likely to destroy or adversely modify' critical habitat.

#### Are there Protected Polygons to avoid? Yes

#### 3.35 REACH NO. 40(A) SAN GABRIEL RIVER – SANTA FE DAM TO INTERSTATE 10 FREEWAY

#### Scope of Work:

- From Santa Fe Dam to the San Bernardino Freeway, Interstate 10, most of the vegetation consists of native mule fat interspersed with various non-native species. The 10-foot-wide strips along the levee toes will be kept clear of all vegetation annually using a combination of mechanical equipment and hand labor.
- In the center of the reach, the mule fat is mowed using various types of mowing equipment. The root structures of the plants are not disturbed.
- Two strips of vegetation (50 and 75 feet in width) will be allowed to remain along each side of the reach invert.
- Mowing is accomplished in alternate cycles between the center portion of the reach and the two strips of vegetation.
- Grading to reestablish baseline conditions will be performed on an as-needed basis to maintain access ramps and low-flow reaches from side outlets.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.36 REACH NO. 40(B) SAN GABRIEL RIVER – INTERSTATE 10 FREEWAY TO THIENES AVENUE

#### Scope of Work:

- From San Bernardino Freeway, Interstate 10, to Thienes Avenue, this portion of the reach will be kept clear of all vegetation using mechanical equipment and hand labor, except for the protected polygons.
- This process is repeated annually and is monitored by a biologist familiar with least Bell's vireo habitat requirements.
- Grading to reestablish baseline conditions will be performed on an as-needed basis to maintain access ramps and low-flow reaches from side outlets.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

## Specific Permit Conditions:

**Biological Context:** USACE sensitive. This is a known territory for least Bell's vireo (FE/SE). There is potential for southwestern willow flycatcher (FE/SE) and yellow-billed cuckoo (FE). The Scope of Work 'May affect not likely to adversely affect' the species.

### Are there Protected Polygons to avoid? Yes

# 3.37 REACH NO. 41: WALNUT CREEK

# Scope of Work:

- Mechanical clearing of vegetation will be used to keep the channel clear of all vegetation except for the protected polygons.
- Hand clear the vegetation growing in the rock riprap along the reach sides and on the riprap at the downstream end of the concrete reach.
- Some trimming of the riparian vegetation may be necessary to reduce the impact on flow in the reach as future growth occurs.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.38 REACH NO. 42: SAN JOSE CREEK – DOWNSTREAM 1,000 FEET FROM THE END OF THE CONCRETE CHANNEL

#### Scope of Work:

- Mechanical clearing of vegetation will be used to keep the channel clear of all vegetation except for the protected polygons.
- Hand clear the vegetation growing in the rock riprap along the reach sides and on the riprap at the downstream end of the concrete reach.
- Some trimming of the riparian vegetation may be necessary to reduce the impact on flow in the reach as future growth occurs.
- LACFCD agreed to maintain this reach for USACE even though it is within USACE easement.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.39 REACH NO. 43(A) SAN GABRIEL RIVER – UPPER

### Scope of Work:

- Mechanically clear the invert and the rock riprap along the reach sides to keep the channel clear of all vegetation, except for the protected polygons.
- Some trimming of the riparian vegetation may be necessary to reduce the impact on flow in the reach as future growth occurs.
- The vegetation that is seasonally occupied by the least Bell's vireo will be flagged and a qualified biologist will be present during clearing activities.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. This is a known territory for least Bell's vireo (FE/SE). There is potential for southwestern willow flycatcher (FE/SE) and yellow-billed cuckoo (FE). The Scope of Work 'May affect not likely to adversely affect' the species.

Are there Protected Polygons to avoid? Yes

# 3.40 REACH NO. 43(B) SAN GABRIEL RIVER – LOWER

### Scope of Work:

- Mechanically clear the invert and the rock riprap along the reach sides to keep the channel clear of all vegetation, except for the protected polygons.
- Some trimming of the riparian vegetation may be necessary to reduce the impact on flow in the reach as future growth occurs.
- The vegetation that is seasonally occupied by the least Bell's vireo will be flagged and a qualified biologist will be present during clearing activities.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. This is a known territory for least Bell's vireo (FE/SE). There is potential for southwestern willow flycatcher (FE/SE) and yellow-billed cuckoo (FE). The Scope of Work 'May affect not likely to adversely affect' the species.

Are there Protected Polygons to avoid? Yes

# 3.41 REACH NO. 44: SAN GABRIEL RIVER – RUBBER DAMS (UPPER)

# Scope of Work:

- Mechanically clear the invert and the rock riprap along the reach sides to keep the channel clear of all vegetation, except for the protected polygons.
- Some trimming of the riparian vegetation may be necessary to reduce the impact on flow in the reach as future growth occurs.
- The vegetation that is seasonally occupied by the least Bell's vireo will be flagged and a qualified biologist will be present during clearing activities.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.42 REACH NO. 44: SAN GABRIEL RIVER – RUBBER DAMS (MIDDLE)

# Scope of Work:

- Mechanically clear the invert and the rock riprap along the reach sides to keep the channel clear of all vegetation, except for the protected polygons.
- Some trimming of the riparian vegetation may be necessary to reduce the impact on flow in the reach as future growth occurs.
- The vegetation that is seasonally occupied by the least Bell's vireo will be flagged and a qualified biologist will be present during clearing activities.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.43 REACH NO. 44: SAN GABRIEL RIVER – RUBBER DAMS (LOWER)

## Scope of Work:

- Mechanically clear the invert and the rock riprap along the reach sides to keep the channel clear of all vegetation, except for the protected polygons.
- Some trimming of the riparian vegetation may be necessary to reduce the impact on flow in the reach as future growth occurs.
- The vegetation that is seasonally occupied by the least Bell's vireo will be flagged and a qualified biologist will be present during clearing activities.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.44 REACH NO. 45: SAND CANYON (PD T1307) MAIN CHANNEL INLET

#### Scope of Work:

- This reach is not within LACFCD easement boundaries.
- Continue maintenance until the City of Santa Clarita completes their project in this area. Then discontinue maintenance and remove from all regulatory permits.
- Mechanically clear all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

**Biological Context:** 

Are there Protected Polygons to avoid?

# 3.45 REACH NO. 46: SAND CANYON (PD T1307) MAIN CHANNEL OUTLET

### Scope of Work:

- This reach is not within LACFCD easement boundaries.
- Continue maintenance until the entity responsible for maintaining the reach is notified that the reach is their responsibility. Then discontinue maintenance and remove from all regulatory permits.
- Mechanically clear all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

**Biological Context:** 

Are there Protected Polygons to avoid?

## 3.46 REACH NO. 47: SANTA CLARA RIVER MAIN CHANNEL (PD T1733-UNIT 1)

#### Scope of Work:

- 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.

#### Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

#### Are there Protected Polygons to avoid? Yes

# 3.47 REACH NO. 48: MINT CANYON CHANNEL BETWEEN SIERRA HIGHWAY AND ADON AVENUE

#### Scope of Work:

- Mechanical and hand clearing work will be performed to keep reach clear of all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

**Biological Context:** USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.48 REACH NO. 49: MINT CANYON CHANNEL BETWEEN ADON AVENUE AND SCHERZINGER LANE

#### Scope of Work:

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

### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.49 REACH NO. 50: MINT CANYON CHANNEL BETWEEN SOLAMINT ROAD AND SOLEDAD CANYON ROAD

#### Scope of Work:

- Mechanical and hand clearing work will be performed to keep reach clear of all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. The 2015 USACE NWP lists potential for unarmored threespine stickleback (FE/SE).

#### Are there Protected Polygons to avoid? Yes

# 3.50 REACH NO. 51: MINT CANYON MCO (PD 1894)/SANTA CLARA RIVER – MAIN CHANNEL

#### Scope of Work:

- 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.

## Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

#### Are there Protected Polygons to avoid? Yes

# 3.51 REACH NO. 52: SIERRA HIGHWAY ROAD DRAINAGE (CDR 523. 203)

### Scope of Work:

- This reach is not within LACFCD easement boundaries.
- Continue maintenance until the entity responsible for maintaining the reach is notified that the reach is their responsibility. Then discontinue maintenance and remove from all regulatory permits.
- Hand clearing will be performed to keep reach clear of all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

**Biological Context:** 

Are there Protected Polygons to avoid?

# 3.52 REACH NO. 53: SANTA CLARA RIVER NON-MAIN CHANNEL (PD 832) MAIN CHANNEL INLET

#### Scope of Work:

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

### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

**Biological Context:** 

Are there Protected Polygons to avoid?

#### 3.53 REACH NO. 54: SANTA CLARA RIVER NON-MAIN CHANNEL (PD 832) MAIN CHANNEL OUTLET

#### Scope of Work:

- Mechanical and hand clearing work will be performed to keep reach clear of all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

## **Biological Context:**

## Are there Protected Polygons to avoid? No

# 3.54 REACH NO. 55: SANTA CLARA RIVER MAIN CHANNEL – RIGHT BANK REACH (PDS 910, 832 1758, AND 1562 UNIT 2)

## Scope of Work:

- 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.

# Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

## Are there Protected Polygons to avoid? Yes

# 3.55 REACH NO. 56: SANTA CLARA RIVER MAIN CHANNEL – LEFT BANK REACH (PD 832)

### Scope of Work:

- 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.

# Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

## Are there Protected Polygons to avoid? Yes

# 3.56 REACH NO. 57: WHITES CANYON (PD T704 MCI)

## Scope of Work:

- Mechanical or hand clearing work will be performed to keep reach clear of all vegetation, except for protected polygons.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.57 REACH NO. 58: SANTA CLARA RIVER MAIN CHANNEL – RIGHT BANK REACH (PD 374)

### Scope of Work:

- 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.

# Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

## Are there Protected Polygons to avoid? Yes

# 3.58 REACH NO. 60: SANTA CLARA RIVER MAIN CHANNEL – RIGHT BANK REACH (PDS 1339 AND 374)

## Scope of Work:

- 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.

# Dates Maintenance Can Occur:

# **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

## Are there Protected Polygons to avoid? Yes

## 3.59 REACH NO. 61: SANTA CLARA RIVER MAIN CHANNEL (PDS 659 AND 754)

#### Scope of Work:

- 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.

## Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

#### Are there Protected Polygons to avoid? Yes

# 3.60 REACH NO. 63: OAK AVENUE ROAD DRAINAGE (CDR 523.081)

## Scope of Work:

- This reach is not within LACFCD easement boundaries.
- Continue maintenance until the entity responsible for maintaining the reach is notified that the reach is their responsibility. Then discontinue maintenance and remove from all regulatory permits.
- Mechanically clear all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

**Biological Context:** 

Are there Protected Polygons to avoid?

# 3.61 REACH NO. 64: SOLEDAD CANYON ROAD DRAINAGE (CDR 523.071 D OUTLET)

## Scope of Work:

- This reach is not within LACFCD easement boundaries.
- The reach clearing work will involve mechanical (rubber-tired equipment) and hand clearing to clear an eight-foot-wide path along the centerline of the channel.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## **Dates Maintenance Can Occur:**

## **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

## Are there Protected Polygons to avoid? Yes

## 3.62 REACH NO. 66: SANTA CLARA RIVER MAIN CHANNEL (PD 1538)

#### Scope of Work:

- 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.

#### Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

#### Are there Protected Polygons to avoid? Yes

# 3.63 REACH NO. 67: BOUQUET CANYON UPPER (PDS 1201, 802, 700B, AND 625)

## Scope of Work:

- Mechanically clear all vegetation.
- Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach.
- Outlet structures will be graded to drain each year.
- The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however, the work will proceed with the opposite bank.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

### Are there Protected Polygons to avoid? Yes

# 3.64 REACH NO. 69: BOUQUET CANYON MIDDLE (PDS 722, 773, 1365, 1065, AND 451)

# Scope of Work:

- Mechanically clear all vegetation.
- Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach.
- Outlet structures will be graded to drain each year.
- The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however; the work will proceed with the opposite bank.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

# **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is a known occurrence for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

# Are there Protected Polygons to avoid? Yes

# 3.65 REACH NO. 70: BOUQUET CANYON LOWER (PDS 544 AND 345)

## Scope of Work:

- Mechanically clear all vegetation.
- Reach-clearing work will also include mechanical grading of sediment to train flows to the centerline of the reach.
- Outlet structures will be graded to drain each year.
- The preferred method would be to clear the vegetation on the left bank in even years and the right bank in odd years. If water is present on the scheduled bank, however; the work will proceed with the opposite bank.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

### Are there Protected Polygons to avoid? Yes

## 3.66 REACH NO. 71: SANTA CLARA RIVER MAIN CHANNEL (PD 1946)

#### Scope of Work:

- 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.

## Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). There is potential for least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and arroyo toad. The Scope of Work 'May affect not likely to adversely affect' the species.

## Are there Protected Polygons to avoid? Yes

# 3.67 REACH NO. 72: SOUTH FORK – SANTA CLARA RIVER (SMIZER RANCH MCI)

#### Scope of Work:

- Hand clear vegetation in the invert.
- The tree canopy will remain, but with a clear "tunnel" path to convey flows.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive. There is a known occurrence for California Black Walnut (*Juglans californica;* CRPR<sup>3</sup> List 4.2).

## Are there Protected Polygons to avoid? Yes

<sup>&</sup>lt;sup>3</sup> California Rare Plant Rank

# 3.68 REACH NO. 73: WILDWOOD CANYON CHANNEL (PD T361) MAIN CHANNEL INLET

# Scope of Work:

- Mechanical and hand clearing will be performed to keep reach clear of all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

**Biological Context:** 

Are there Protected Polygons to avoid?

# 3.69 REACH NO. 74: WILDWOOD CANYON CHANNEL (PD T361)

This reach is not within LACFCD easement boundaries. Maintenance has been discontinued and the reach is removed from all regulatory permits.

Soft-Bottomed Channel Maintenance Plan

# 3.70 REACH NO. 75: SOUTH FORK – SANTA CLARA RIVER (PDS 725, 916, 1041, AND 1300)

## Scope of Work:

- Mechanically clear all vegetation.
- Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending to the channel centerline at a 45-degree angle.
- Mechanically clear and grade a centerline watercourse low flow 12-feet wide.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

# **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is a known occurrence for California Black Walnut (CRPR List 4.2). There is potential for least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and arroyo toad. The Scope of Work 'May affect not likely to adversely affect' the species.

# Are there Protected Polygons to avoid? Yes

# 3.71 REACH NO. 76: PICO CANYON (PD 813)

### Scope of Work:

- Mechanical and hand clearing will be performed to keep reach clear of all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

**Biological Context:** USACE sensitive.

#### Are there Protected Polygons to avoid? No

# 3.72 REACH NO. 77: NEWHALL CREEK OUTLET

# Scope of Work:

- Mechanical and hand clearing will be performed to keep the low flow channel clear of all vegetation.
- Mature vegetation in the invert but above the low flow channel will remain.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

Specific Permit Conditions:

**Biological Context:** USACE sensitive.

Are there Protected Polygons to avoid? Yes

# 3.73 REACH NO. 78: PLACERITA CREEK

# Scope of Work:

- Mechanical and hand clearing will be performed to keep the low flow channel clear of all vegetation.
- Mature vegetation in the invert but above the low flow channel will remain.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

Specific Permit Conditions:

**Biological Context:** USACE sensitive.

Are there Protected Polygons to avoid? Yes

# 3.74 REACH NO. 79: SOUTH FORK – SANTA CLARA RIVER (VALENCIA BOULEVARD BRIDGE STABILIZER)

## Scope of Work:

- Mechanical equipment will be used to maintain the reach clear of all vegetation, except the protected polygon.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). There is potential for least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and arroyo toad. The Scope of Work 'May affect not likely to adversely affect' the species.

## Are there Protected Polygons to avoid? Yes

# 3.75 REACH NO. 80: SOUTH FORK – SANTA CLARA RIVER (PDS 1947 AND 1946)

### Scope of Work:

- 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.

## Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). There is potential for least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and arroyo toad. The Scope of Work 'May affect not likely to adversely affect' the species.

## Are there Protected Polygons to avoid? Yes

# 3.76 REACH NO. 82: SANTA CLARA RIVER MAIN CHANNEL (PD 2278)

## Scope of Work:

- 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.

## Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). There is potential for least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and arroyo toad. The Scope of Work 'May affect not likely to adversely affect' the species.

# Are there Protected Polygons to avoid? Yes

# 3.77 REACH NO. 86: VIOLIN CANYON MCO

# Scope of Work:

- Mechanical equipment will be used to maintain the reach clear of all vegetation.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

# **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE). There is potential for least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and arroyo toad. The Scope of Work 'May affect not likely to adversely affect' the species.

# Are there Protected Polygons to avoid? Yes

# 3.78 REACH NO. 87: CASTAIC - OLD ROAD DRAINAGE (CDR 525.021D) OUTLET

## Scope of Work:

- Hand cut and clear a 20-foot path from the riprap outlet to the main watercourse, Castaic Creek.
- The tree canopy will remain, but with a clear "tunnel" path to convey flows.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is a known occurrence for white rabbittobacco (CRPR List 2B.2). There is potential for unarmored threespine stickleback (FE/SE). There is potential for least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and arroyo toad. The Scope of Work 'May affect not likely to adversely affect' the species. The reach lies within critical habitat for arroyo toad and southwestern willow flycatcher. The Scope of Work is 'Not likely to destroy or adversely modify' critical habitat.

## Are there Protected Polygons to avoid? Yes

# 3.79 REACH NO. 88: HASLEY CANYON UPPER (PD T1496)

## Scope of Work:

- North of Sharp Road: Mechanically clear all vegetation within 15 feet of the toe of the levee.
- North of Sharp Road: Mechanically clear all vegetation within 50 feet upstream and downstream of the bridge.
- North of Sharp Road: Allow native shrubs to establish and existing mature native trees to remain elsewhere.
- South of Sharp Road: Hand clear all vegetation from the riprap.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.80 REACH NO. 89: HASLEY CANYON SOUTH FORK (PD T1496)

## Scope of Work:

- Hand clear all vegetation except mature oak trees.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## **Dates Maintenance Can Occur:**

## **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive.

## Are there Protected Polygons to avoid? Yes

# 3.81 REACH NO. 90: HASLEY CANYON LOWER (NORTH FORK PD T1496)

## Scope of Work:

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

### Dates Maintenance can occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive.

## Are there Protected Polygons to avoid? Yes

## 3.82 REACH NO. 91: SAN MARTINEZ CHIQUITO CANYON CHANNEL UPSTREAM OF KENINGSTON ROAD

## Scope of Work:

- 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.

# Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.83 REACH NO. 92: SAN MARTINEZ CHIQUITO CANYON (NORTH FORK) UNNAMED

### Scope of Work:

- 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.

## **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.84 REACH NO. 93: SAN MARTINEZ CHIQUITO CANYON CHANNEL BETWEEN KENINGSTON ROAD AND VAL VERDE PARK

## Scope of Work:

- 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.

# Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.85 REACH NO. 94: SAN MARTINEZ CHIQUITO CANYON CHANNEL BETWEEN VAL VERDE PARK TO DOWNSTREAM OF MADISON STREET

# Scope of Work:

- 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.

# Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

**Biological Context:** USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.86 REACH NO. 95: PROJECT NO. 1224

# Scope of Work:

- 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.

# **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? No

# 3.87 REACH NO. 96: PD 1591, CALABASAS

#### Scope of Work:

- Hand clear all vegetation from the inlet and outlet approaches to the box culvert under Vicasa Drive, except in protected polygons.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

# 3.88 REACH NO. 97: PD T1982, CASTAIC CREEK

## Scope of Work:

- The reach 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 15 feet and clearing and grading 45-degree, 12-foot-wide low flows from the side outlets to the center of the main watercourse.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

# Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is a known occurrence for white rabbittobacco (CRPR List 2B.2). There is potential for unarmored threespine stickleback (FE/SE). There is potential for least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and arroyo toad. The Scope of Work 'May affect not likely to adversely affect' the species. The reach lies within critical habitat for arroyo toad and southwestern willow flycatcher. The Scope of Work is 'Not likely to destroy or adversely modify' critical habitat.

## Are there Protected Polygons to avoid? Yes

# 3.89 REACH NO. 98: WALNUT CREEK – CHANNEL INLET

## Scope of Work:

- To the extent that storm flows do not keep the inlet free of vegetation, mechanical equipment will be used to keep the inlet clear of all vegetation.
- No regrowth will be allowed to remain.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? Yes

## 3.90 REACH NO. 99: KAGEL CANYON – TUJUNGA WASH

#### Scope of Work:

- Hand clear work all vegetation in this reach.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

#### **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive.

#### Are there Protected Polygons to avoid? No

## 3.91 REACH NO. 100: DRY CANYON, CALABASAS CREEK INLET

#### Scope of Work:

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

#### **Dates Maintenance Can Occur:**

#### **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive.

#### Are there Protected Polygons to avoid? Yes

## 3.92 REACH NO. 101: VIOLIN CANYON (PD 2312)

#### Scope of Work:

- Mechanically clear vegetation in a 15-foot-wide path along the toe of both levee slopes.
- Mechanically clear and grade 10-foot wide entrainment channel from all outlets, extending to the centerline of the channel at a 45-degree angle.
- Allow native vegetation to establish in the remainder of the channel.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive. There is potential for slender-horned spineflower (CRPR 1B.1/FE/SE) and San Fernando Valley spineflower (CRPR List 1B.1/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

### Are there Protected Polygons to avoid? Yes

## 3.93 REACH NO. 102: VIOLIN CANYON (PD 2275)

## Scope of Work:

- Mechanically remove all vegetation within 15 feet of the toe of the right levee.
- Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending to the centerline of the channel at a 45-degree angle. Mature trees in the entrainment channel at the downstream outlet will be lollipopped instead of cleared.
- Mechanically remove vegetation, bank to bank, over the three drop structures, which are currently hidden from view by sediment.
- Initial effort: Remove 750 cubic yards of accumulated sediment from the three drop structures in order to expose them and provide flow velocity control.
- Subsequent years: Re-grade 200 cubic yards of sediment during subsequent years over the same footprint as the initial removal.
- The cleared drop structure areas will be used as pathways for equipment transport.
- Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive. There is potential for Braunton's milk-vetch (CRPR List 1B.1/FE) and San Fernando Valley spineflower (CRPR 1B.1/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

### Are there Protected Polygons to avoid? Yes

## 3.94 REACH NO. 103: BOUQUET CANYON CHANNEL (PD 2225)

#### Scope of Work:

- Mechanically clear vegetation on a 15-foot wide path along the toe of both levee slopes.
- Clear all vegetation over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream).
- Initial effort: Remove 3,000 cubic yards of sediment over the grouted riprap (Newhall Ranch Road bridge to 300 feet downstream).
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. Unarmored threespine stickleback is known to occur but has not been detected every year (FE/SE). There is known territory for least Bell's vireo (FE/SE). There is potential for southwestern willow flycatcher (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

Are there Protected Polygons to avoid? Yes

## 3.95 REACH NO. 104: CASTAIC CREEK (PD 2441 UNIT 2)

#### Scope of Work:

- All activities will follow the 2002 General Maintenance Plan for Castaic Creek and Hasley Canyon Drain. Those activities are summarized here.
- Hand clear all woody vegetation, including large trees within a 15-foot-wide path along the toe of left bank's slope lining.
- Mechanically clear and grade 10-foot wide entrainment channels from all outlets, extending up to 30 feet from the toe of the levee at a 45-degree angle. Trees with a diameter-at-breast-height over four inches will be avoided. Light equipment such as a Caterpillar D-6 or equivalent may be used and will avoid ponded water.
- Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

### Dates Maintenance Can Occur:

### Specific Permit Conditions:

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE), least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and arroyo toad. The Scope of Work 'May affect not likely to adversely affect' the species. The Scope of Work 'May affect not likely to adversely affect' the species. The scope of Work 'May affect not likely to adversely affect' the species. The Scope of Work is 'Not likely to destroy or adversely modify' critical habitat.

### Are there Protected Polygons to avoid? Yes

## 3.96 REACH NO. 105: SAN FRANCISQUITO CANYON CHANNEL (PD 2456)

## Scope of Work:

- 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 left bank's slope lining.
- Mechanically clear and grade a 10-foot wide entrainment channel from the 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.

## Dates Maintenance Can Occur:

## Specific Permit Conditions:

- Sandbags will be used in the drain, allowing water that has pooled just below the outlet to dry out. A rubber-belted loader and/or rubber-tired backhoe, lowered from the access road, will then be used to grade the training channel to drain nuisance flows from the outlet. (USACE, CDFW)
- Equipment that enters the creek will avoid ponded or flowing water (not including water discharging from the side drains). (USACE, CDFW)
- Large riparian trees will be avoided. (USACE, CDFW)
- A Litter and Debris Prevention Program will be used to prevent debris from entering the riverbed. (USACE)
- A qualified biologist will conduct a pre-clearing inspection survey. If the survey is positive for aquatic sensitive species, no maintenance work will be conducted that year. Notify the agencies within 24 hours. Submit the report within 20 days after start of work. (USACE, CDFW)
- Within 45 days of completion of work, submit a post-project implementation memorandum including dates, summary of compliance status, and photographs. (USACE, CDFW)
- The maintenance area will be demarcated with flagging. (USACE, CDFW)
- Maintenance activities for this reach will only be performed in areas located outside the conservation easement. (USACE, CDFW)
- Removal of woody vegetation from riprap is not anticipated for this project. However, where access to the bottom of the creek is required to perform removal of trees that are growing in the levee within the maintenance area, rubber-tired equipment will be lowered from the access road. The work area will be limited to a 30-foot-wide zone that extends outward from the levee at the invert, 15 feet

upstream and 15 feet downstream of either side of the tree to be removed. (USACE, CDFW)

- Where work within the channel is required, equipment will be lowered from the access road. (USACE, CDFW)
- The following equipment is anticipated to be required for the project (USACE, CDFW):
  - Hand tools
  - Rubber-belted bobcat track loader
  - o Rubber-tired backhoe
  - Gradall excavator
- Maintenance activities will occur for approximately one week between September 15 and October 31 to comply with the requirements to conduct activity during the nonbreeding season for sensitive riparian birds such as the least Bell's vireo; the seasonal conditions for the unarmored threespine stickleback. (USACE, CDFW)

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE), least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and arroyo toad. The Scope of Work 'May affect not likely to adversely affect' the species.

## Are there Protected Polygons to avoid? Yes

## 3.97 REACH NO. 108: PICO CANYON (PD 2528)

#### Scope of Work:

- Mechanically remove accumulated sediment, debris, and all woody vegetation in the reach.
- Weeds and grasses may be controlled by mowing or hand labor.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### **Dates Maintenance Can Occur:**

**Specific Permit Conditions:** 

Biological Context: USACE non-sensitive.

Are there Protected Polygons to avoid? No

# 3.98 REACH NO. 109: SANTA CLARA RIVER – SOUTH BANK WEST OF MCBEAN PARKWAY (MTD 1510)

#### Scope of Work:

- Mechanically remove all woody vegetation within a 15-foot-wide path along the toe of the left levee for the entire reach.
- Grade and clear a 10-foot-wide entrainment channel at a 45-degree angle from the outlet up to 30 feet from the toe of the levee. Trees in the entrainment channel at the downstream outlet will be lollipopped instead of cleared.
- Allow native vegetation to establish in the remainder of the channel within LACFCD right-of-way.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

### Specific Permit Conditions:

**Biological Context:** USACE sensitive. There is potential for unarmored threespine stickleback (FE/SE), least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE), and arroyo toad. The Scope of Work 'May affect not likely to adversely affect' the species.

### Are there Protected Polygons to avoid? Yes

## 3.99 REACH NO. 110: HASLEY CANYON CHANNEL (PD 2262)

#### Scope of Work:

- 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.

#### Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE sensitive. There is potential for least Bell's vireo (FE/SE) and southwestern willow flycatcher (FE/SE). The Scope of Work 'May affect not likely to adversely affect' the species.

#### Are there Protected Polygons to avoid? Yes

## 3.100 REACH NO. 112: BALLONA CREEK

## Scope of Work:

- Remove non-native woody vegetation on the riverside levee slopes down to the roots. Above the Ordinary High Water Mark (OHWM), mechanical equipment parked on the access road will be used as necessary. Below the OHWM or in the native marshes only hand and/or hand-held mechanical equipment will be used.
- Native vegetation that is dead or alive will not be cleared.
- Once vegetation is removed, root cavity voids will be backfilled using heavy equipment, positioned outside the OHWM. The sediment will be compacted, but not re-contoured.
- Non-native weeds and grasses will be controlled by mowing or hand labor.
- The above-ground vegetation of a shrub will be removed then a stump grinder will remove the root ball.
  - 1. The grinder will be placed on the upper concrete bank so it can reach shrubs rooted within six feet of the concrete.
  - 2. The grinder will drive past the concrete and onto the riprap for four feet. These four feet, plus two feet of reach would allow the grinder to remove the majority of non-native shrubs on both banks. The grinder is about four feet wide.
  - 3. Crews will place a durable covering (e.g. plywood or rubber mat) on the impact area (riprap between the concrete and the shrub) and place the grinder on the mat.
  - 4. This would decrease intensity of impacts to the riprap and any herbaceous vegetation underneath.
  - 5. Another covering (e.g. tarp or plywood) will be placed on surrounding vegetation so wood chips from a stump grinder will not impact the native plants.
- A long reach excavator will be needed for the following situations:
  - 1. To dig out the riprap from around the root ball so the grinder can access the root ball.
  - 2. An excavator would also be used to pull out any shrubs not within reach of the grinder (those that are further than six feet down from the concrete or are behind a wall of native shrubs).
  - 3. In the event that the excavator pulls on the roots of a shrub and they break prematurely, the excavator will dig out the roots.
  - 4. All cavities and damaged riprap will be repaired with the excavator.
- Tree Removal Methods: (to ensure no permit is needed from USACE or RWQCB)
  - 1. Excavators parked on the access roads/bike trails on the top of the slope will grasp the trunk of the non-compliant vegetation and slowly pull

upwards until the root system is loose from soil and ready to be removed. For trees with large canopies, chainsaws and other hand tools will be used to remove branches until the trunk is exposed for the excavator or cable to grasp. A skidsteer entering via existing access roads or being lowered down by the excavator may be used to help remove the vegetation. Large trees will be extracted by a cable secured to the trunk of the tree or shrub and slowly pulled by an excavator until the root system is loose, so as to minimize soil disruption. For trees with a large canopy, prior to removing the trunk and root, the extremities beyond the trunk will be pruned using hand-held tools (e.g., chainsaw, pruners) in preparation of complete removal.

- 2. In accordance with the Vegetation Management Guidelines, excavation by hand or through mechanized land-clearing activities will be utilized to remove the stump and roots greater than ½ inch in diameter. If remaining roots are larger than ½ inch in diameter, material will be removed in increments of 6 inches deep and 6 inches radially from the outside of the tree until the observed and measured root system is less than ½ inch in diameter.
- 3. Once remaining roots are less than ½ inch in diameter, voids will be filled first with displaced soil resulting from the activity. Large tree removal will be accessed as-needed; if the surrounding sediment is wet in nature, the void will naturally fill in with adjacent sediment. If the void appears to be a maintenance concern and potentially a safety issue for erosion, it will be filled with native soil and compacted with a sheepsfoot attachment on an excavator.
- The areas to be cleared will be marked in order to stay within the work boundaries.
- Trash and debris (i.e. dead non-native vegetation) may be removed by hand anywhere (i.e. inside and outside the native marshes).
- Inspection and maintenance of levees and outlet structures will be conducted throughout the channel as necessary.
- Upper Section (Centinela Avenue to 90 freeway): The native California bulrush (Schoenoplectus californicus) and cattail (Typha dominguensis) comprises the "freshwater marsh" and is located below the OHWM. Therefore, only hand and/or hand-held mechanical equipment will be used to maintain it.
  - 1. The freshwater marsh will be mowed down to six-inches above the height of the grouted riprap.
  - 2. The footprint of the freshwater marsh mapped in July 2015 (see map below) will be preserved by pulling out the roots located outside the footprint by hand and/or hand-held equipment.
  - 3. The perimeter of the remaining freshwater marsh will be trimmed and cleaned with hand tools.
  - 4. Vegetation will be stockpiled on site outside of the channel and hauled offsite.

- 5. A floating boom with a silt curtain will be temporarily installed to prevent sediment from entering the water column.
- Lower Section (90 freeway to the condos at 33.963880, -118.451116): Only nonnative vegetation will be removed within the saltwater marsh. It will be removed by hand only.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

## Specific Permit Conditions:

**Biological Context:** USACE non-sensitive. There is potential for southern tarplant (CRPR List 1B.1). Belding's savannah sparrow (SE) was observed foraging, but is not expected to nest. There is potential for California least tern (FE/SE) to forage during April 1-Aug 31, but is not expected to nest. This section of the reach lies within the Coastal Zone.

## Are there Protected Polygons to avoid? Yes

## Date Scope of Work Was Last Revised:

Map of July 2015 bulrush footprint

## 3.101 REACH NO. 113: DOMINGUEZ CHANNEL

## Scope of Work:

- Non-native woody vegetation on the riverside levee slopes will be removed down to the roots below the access roads.
- The work to be performed includes the clearing of vegetation, debris, and brush growing on the reach right-of-way and in the riprap.
- Trimming and removal of non-native trees and shrubs will reduce the impact on flow in the reach as future growth occurs.
- 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.
- Once a National Pollution Elimination Discharge System permit for aquatic herbicide is acquired, seashore paspalum (*Paspalum vaginatum*) will be treated annually using Aquamaster®. Seashore paspalum grows in dense clumps adjacent to native species within coastal salt marsh. In order to prevent impacts to native species and potentially sensitive species, herbicide drift will be avoided by spraying within six inches of the top of the grass.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

### **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive. There is a known occurrence for southern tarplant (CRPR List 1B.1) and eelgrass (PMFC habitat of particular concern). There is a potential for California least tern (FE/SE) to forage during April 1-Aug 31, but is not expected to nest. 1,800 feet of the downstream end of the reach lies within the Coastal Zone.

## Are there Protected Polygons to avoid? Yes

## 3.102 REACH NO. 114: LOS ANGELES RIVER

### Scope of Work:

- Non-native woody vegetation on the riverside levee slopes will be removed down to the roots annually below the access roads to the original baseline condition.
- Weeds and grasses may be controlled by mowing or hand labor.
- The work to be performed includes the clearing of vegetation, trash, and debris on the reach right-of-way and in the riprap.
- When root removal creates a cavity in the riprap, the cavity will be filled in and the soil compacted.
- 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.
- 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.
- No herbicide will be applied to native vegetation.
- The monitoring biologist will identify locations with a New Zealand mudsnail population before work begins. If equipment comes into contact near the four 78inch flapgate location, follow the 2008 Hazard Analysis and Critical Control Point (HACCP) Soft-Bottom Channel Maintenance Activities Within the Malibu and Santa Monica Canyon Watersheds.
- A debris fence at the base of the slope along the river will be installed and sand bags, or stop logs along the base of the work site will be used to prohibit dust/debris from leaving the site that could later find its way into the watercourse.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

### Specific Permit Conditions:

**Biological Context:** USACE non-sensitive. There is potential for southern tarplant (CRPR List 1B.1) and eelgrass (PMFC habitat of particular concern). There is a potential for California least tern (FE/SE) to forage during April 1-Aug 31, but is not expected to nest. 500 feet of the downstream end of the reach lies within the Coastal Zone.

### Are there Protected Polygons to avoid? No

## 3.103 REACH NO. 115: SAN GABRIEL RIVER

## Scope of Work:

- The USACE Levee Certification Vegetation Removal Project will involve removing all invasive vegetation with roots greater than ½ inch.
- Vegetation will be removed by mechanical and manual methods on both banks annually until all non-compliant vegetation is removed.
- 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.
- The work to be performed includes the clearing of vegetation, debris, and brush growing on the reach right-of-way and in the riprap.
- Trimming and removal of non-native trees and shrubs will reduce the impact on flow in the reach as future growth occurs.
- 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.
- Seashore paspalum (*Paspalum vaginatum*) is a prostrate, perennial grass widely used as a common turfgrass on golf courses. Seashore paspalum has naturalized in coastal salt marshes where it changes the composition of vegetation and in some cases dominates, impacting on fauna communities and estuarine hydrology. It spreads rapidly by stolons and rhizomes with a very deep root system, so mechanical control is not recommended. Populations of seashore paspalum will be treated annually using Aquamaster®. Seashore paspalum often grows in dense clumps adjacent to native species within coastal salt marsh. In order to prevent impacts to native species and potentially sensitive species, herbicide drift will be avoided by spraying within six inches of the top of the grass.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

## Specific Permit Conditions:

**Biological Context:** USACE sensitive. There is potential for southern tarplant (CRPR List 1B.1) and eelgrass (PMFC habitat of particular concern). There is a known occurrence for green sea turtle (USFWS- Breeding colony populations in Florida and on the Pacific Coast of Mexico are listed as Endangered; all others are listed as Threatened). There is potential for California least tern (FE/SE) to forage during April 1-Aug 31, but is not expected to nest. 9,500 feet of the downstream end of the reach lies within the Coastal Zone.

Are there Protected Polygons to avoid? Yes

## 3.104 REACH NO. 116: LOS CERRITOS CHANNEL

## Scope of Work:

- 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.
- The work to be performed includes the clearing of vegetation, debris, and brush growing on the reach right-of-way and in the riprap.
- Trimming and removal of nonnative trees and shrubs will reduce the impact on flow in the reach as future growth occurs.
- 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.
- The portion of the reach on the left bank within Los Cerritos Wetlands boundaries is to be accessed using a designated road through Synergy Oil, LLC property. This road requires major improvement before usage. If this road cannot be improved, a barge will be used.
- Reach sections in the Cerritos Bahia Marina and downstream of the wetlands has not been improved by LACFCD and are not within county easement boundaries. Therefore, it will not be maintained.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

## **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive. There is potential for southern tarplant (CRPR List 1B.1), estuary seablight (CRPR 1B.2), Sanford's arrowhead (CRPR 1B.2), and eelgrass (PMFC habitat of particular concern). There is potential for Belding's savannah sparrow (SE) and California least tern (FE/SE) to forage (year-round for sparrow/April 1-Aug 31 for tern), but both are not expected to nest. 4,300 feet of the downstream end of the reach lies within the Coastal Zone.

## Are there Protected Polygons to avoid? Yes

## 3.105 REACH NO. 117: CENTINELA CREEK

#### Scope of Work:

- Maintenance of this reach includes removal of invasive vegetation, repair of riprap levees, maintenance of outlet structures and mechanical equipment to remove sediment deposits.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

#### Dates Maintenance Can Occur:

#### **Specific Permit Conditions:**

**Biological Context:** USACE non-sensitive. There is potential for California least tern (FE/SE) to forage during April 1-Aug 31, but is not expected to nest.

#### Are there Protected Polygons to avoid? Yes

## 3.106 REACH NO. 118: RUSTIC CANYON

## Scope of Work:

- 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.
- Vegetation will be removed by hand using hand tools, such as weedeaters, hedge trimmers, chainsaws, hoes, pitch forks, loppers, machetes, and using a rubber-tracked skidsteer as necessary.
- Minor repair work to the wooden wall structures will be conducted as needed.
- 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.
- In order to move a skidsteer 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.
- The site will be accessed through a private property, located at 14470 West Sunset Boulevard, Pacific Palisades, California 90272, that is also to be used as a staging area.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

## Specific Permit Conditions:

**Biological Context:** USACE non-sensitive. 200 feet of the downstream end of the reach lies within the Coastal Zone.

### Are there Protected Polygons to avoid? Yes

## 3.107 REACH NO. 119: RIVAS CANYON

## Scope of Work:

- 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.
- Vegetation will be removed by hand using hand tools, such as weedeaters, hedge trimmers, chainsaws, hoes, pitch forks, loppers, machetes, and using a rubber-tracked skidsteer as necessary.
- Minor repair work to the wooden wall structures will be conducted as needed.
- 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.
- In order to move a skidsteer 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.
- The site will be accessed through a private property, located at 14470 West Sunset Boulevard, Pacific Palisades, California 90272, that is also to be used as a staging area.
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

## Dates Maintenance Can Occur:

### Specific Permit Conditions:

Biological Context: USACE non-sensitive.

### Are there Protected Polygons to avoid? Yes

## 3.108 REACH NO. 120: JAKE'S WAY (PD 2496)

## Scope of Work:

- Hand and mechanical removal of all vegetation within 15 feet of the toe of slope along the bank protection structure lining throughout the entire reach.
- All rock rip rap including at the outfall structure and turnaround areas and the concrete lined side slope will be maintained in a vegetation-free state.
- Periodically remove any accumulated sediment, debris and vegetation in the vicinity of the outfall structure to allow water to drain.
- Periodic removal of ponded water that cause odor problems
- As-needed repairs to the outfall structure, rip-rap, concrete lined side slope, access road, invert ramp, turnaround area and other on-site structures
- Clear trash, debris, and non-native vegetation by hand within easement boundaries.

Dates Maintenance Can Occur: To be determined.

Specific Permit Conditions: To be determined.

Biological Context: To be determined.

Are there Protected Polygons to avoid? Yes

## 3.109 REACH NO. 121: SAN FRANCISQUITO CREEK (PD 2271)

#### Scope of Work:

- Maintenance will occur by means of hand and mechanical equipment to reduce the impact on flow in the channel and to maintain the structural integrity of the levee.
- The channel clearing will involve mechanized removal of all vegetation within 15 feet of the toe of slope along the bank protection structure lining throughout the entire reach.
- The rock rip rap for the outfall structure for storm drain MTD 1598 Unit 2, located adjacent to PD 2271's concrete lining, and the concrete lined side slope will also be maintained in a vegetation-free state.
- The storm drain requires periodic maintenance to remove any accumulated sediment, debris and vegetation in the vicinity of the outfall structure to allow water to drain.
- Grade to drain a 10-foot wide training channel from the outlet structure to the easement line and grade and clear a 10-foot wide path from the MTD's invert ramp to the toe of the PD's lining.
- Periodic removal of ponded water that cause odor problems and as-needed repairs to the outfall structure, rip-rap, concrete lined side slope, access road, invert ramp, turnaround area and other on-site structures to maintain their structural integrity.

Dates Maintenance Can Occur: To be determined.

Specific Permit Conditions: To be determined.

Biological Context: To be determined.

Are there Protected Polygons to avoid? Yes

# ATTACHMENT A

## REACH LIST AND LOCATIONS TABLE

Soft-Bottom Channels Reaches 1-121 Reach List and Locations Table - April 9, 2018

| Reach<br>No. | vvalers name  | LACFCD<br>Area | Hydrological<br>Code | Beneficial Uses  | Area<br>(acre) | Length<br>(miles) | Latitude | Longitude   | Cross streets                                     | Latitude | Longitude  | Cross Streets  | Local<br>Waterway                |
|--------------|---|----------------|----------------------|--|----------------|-------------------|----------|-------------|---|----------|------------|--|----------------------------------|
|              | Bell Creek- MTD 963   |                |                      | MUN, GWR, REC-1,   |                |                   |          |             | 870' u/s of                                       |          |            | 791' u/s of  |                                  |
| 1            | M.C.I.  | WEST           | 180701050210         | REC-2, WARM, WILD  | 0.8168         | 0.015             | 34.20254 | -118.658631 | Highlander Rd                                     | 34.20242 | -118.65842 | Highlander Rd  | Bell Creek                       |
| 2            | Dry Canyon<br>(Calabasas) PD T1845  | WEST           | 180701050208         | MUN, GWR, REC-1,<br>REC-2, WARM, WILD                              | 1.0441         | 0.2561            | 34.14728 | -118.630462 | 736' u/s Park Ora                                 | 34.1508  | -118.63172 | 616' d/s Park<br>Ora                                 | Dry Canyon                       |
| 3            | Santa Susana Creek<br>M.C.I.  | WEST           | 180701050208         | MUN, GWR, REC-1,<br>REC-2, WARM, WILD                              | 0.0621         | 0.0142            | 34.2709  | -118.6098   | 2675' N of Tulsa<br>St                            | 34.27083 | -118.6096  | 2600' N of Tulsa<br>St                               | Santa Susana<br>Creek            |
|              |   |                |                      | MUN, GWR, REC-1,   |                |                   |          |             | 1175' u/s of Rinaldi                              |          |            | 565' u/s of  |                                  |
| 4            | Browns Creek  | WEST           | 180701050208         | REC-2, WARM, WILD  | 1.1402         | 0.1155            | 34.27308 | -118.591413 | St  | 34.27152 | -118.59072 | Rinaldi St   | Browns Creek                     |
|              | Caballero Creek M.C.I.  |                |                      | MUN, GWR, REC-1,   |                |                   |          |             | 1000' u/s of                                      |          |            | 207' u/s of  | Caballero                        |
| 5            | (West Fork)   | WEST           | 180701050208         | REC-2, WARM, WILD  | 1.8639         | 0.1502            | 34.14848 | -118.537102 | Reseda Blvd                                       | 34.15062 | -118.53663 | Reseda Blvd  | Creek                            |
|              | Caballero Creek M.C.I.  |                |                      | MUN, GWR, REC-1,   |                |                   |          |             | 287' u/s of Reseda                                |          |            | 133' u/s of  | Caballero                        |
| 6            | (East Fork)   | WEST           | 180701050208         | REC-2, WARM, WILD  | 0.5481         | 0.0292            | 34.14991 | -118.536406 | Blvd  | 34.15025 | -118.53671 | Reseda Blvd  | Creek                            |
|              |   |                |                      | MUN, GWR, REC-1,   |                |                   |          |             | 162' d/s of c/l of                                |          |            | 440' d/s of c/l of                                   |                                  |
| 7            | Bull Creek M.C.O.   | WEST           | 180701050208         | REC-2, WARM, WILD  | 0.6005         | 0.0527            | 34.18618 | -118.497768 | Victory Blvd                                      | 34.18542 | -118.49781 | Victory Blvd   | Bull Creek                       |
|              | Hayvenhurst Drain -   |                |                      | MUN, GWR, REC-1,<br>REC-2, WARM, WILD,                             |                |                   |          |             | 400' d/s of                                       |          |            | 607' d/s of  | Tributary of                     |
| 8            | Project 470 Outlet  | WEST           | 180701050208         |  | 0.3464         | 0.0392            | 34.16425 | -118.49148  | Havenhurst Ave                                    | 34.1647  | -118.49106 | Havenhurst Ave                                       | LA River                         |
| 9            | Project 106 Outlet  | WEST           | 180701050208         |  | 0.07           | 0.0123            | 34.18557 | -118.475015 | 400' d/s of Victory<br>Blvd                       | 34.18539 | -118.47501 | 465' d/s of<br>Victory Blvd                          | Sepulveda<br>Basin               |
| 10           | Project No. 469   | WEST           | 180701050208         | MUN, GWR, REC-1,<br>REC-2, WARM, WILD,<br>WET                      | 6.879          | 0.7735            | 34.18477 | -118.484051 | 685' d/s of Victory<br>Blvd                       | 34.17358 | -118.48365 | LA River (4769'<br>d/s of Victory<br>Blvd)           | Tributary of<br>LA River         |
|              | [no longer LACFCD   |                |                      |  |                |                   |          |             |   |          |            |  |                                  |
|              | jurisdiction]   | -              | -                    | -  | -              | -                 | _        | -           | -   | _        | -          | -  | -                                |
|              | Haines Canyon M.C.O.  | WEST           | 180701050105         | MUN, GWR, REC-1,<br>REC-2, WARM, WILD,<br>RARE<br>MUN, GWR, REC-1, | 0.3682         | 0.0758            | 34.26835 |             | 840' d/s of<br>Wentworth St                       | 34.26843 | -118.32193 | 1240' d/s of<br>Wentworth St                         | Haines<br>Canyon<br>Tributary of |
| 13           | Project No. 5215 Unit 1   | WEST           | 180701050205         | REC-2, WARM, WILD,   | 0.5691         | 0.1017            | 34.27142 | -118.359292 | 1000' d/s of<br>Foothill Blvd                     | 34.27007 | -118.3599  | 1537' d/s of<br>Foothill Blvd                        | Tujunga<br>Wash                  |
| 14           | May Channel (M.C.O.<br>Into Pacoima Canyon)                               | WEST           | 180701050206         |  | 0.431          | 0.0951            | 34.31194 | -118.410555 | 927' u/s of Harding<br>St/Conf. W/<br>Pacoima Cyn | 34.31082 | -118.4097  | 425' u/s of<br>Harding<br>St/Conf. W/<br>Pacoima Cyn | May Channel                      |
| 15           | Pacoima Wash  | WEST           | 180701050204         | MUN, GWR, REC-1,<br>REC-2, WARM, WILD,<br>RARE                     | 8.0512         | 0.8818            | 34.22734 | -118.459459 |   | 34.21471 | -118.45827 |  | Pacoima<br>Wash                  |
| 16           | Verdugo Wash-Las<br>Barras Canyon (channel<br>inlet)<br>[no longer LACFCD | WEST           | 180701050207         | MUN, GWR, REC-1,<br>REC-2, WARM, WILD                              | 0.0629         | 0.021             | 34.23314 | -118.271304 | 138' u/s of conf.<br>w/Las Barras Cyn<br>Chnl     | 34.23324 | -118.27096 | 27' u/s of conf.<br>w/Las Barras<br>Cyn Channel      | Verdugo<br>Wash                  |
|              | jurisdiction]   | -              | -                    | -  | -              | -                 | -        | -           | -   | -        | -          | -  | -                                |

| _            |                        |                |                      |                                       | -              |                   |          |             |                      |           |            |                  |                   |
|--------------|------------------------|----------------|----------------------|---------------------------------------|----------------|-------------------|----------|-------------|----------------------|-----------|------------|------------------|-------------------|
| Reach<br>No. | Waters Name            | LACFCD<br>Area | Hydrological<br>Code | Beneficial Uses                       | Area<br>(acre) | Length<br>(miles) | Latitude | Longitude   | Cross streets        | Latitude  | Longitude  | Cross Streets    | Local<br>Waterway |
|              |                        |                |                      |                                       |                |                   |          |             |                      |           |            |                  |                   |
|              |                        |                |                      | MUN, GWR, REC-1,                      |                |                   |          |             | 744' u/s of conf. w/ |           |            | Conf. w/         | Verdugo           |
| 18           | Engleheard Channel     | WEST           | 180701050207         | REC-2, WARM, WILD                     | 1.0307         | 0.1409            | 34.20773 | -118.243273 | Verdugo Wash         | 34.20707  | -118.24096 | Verdugo Wash     | Wash              |
| 10           |                        | WEOT           | 400704050007         | MUN, GWR, REC-1,                      | 0.4000         | 0.4004            | 04 00050 | 440.007047  |                      | 04.00004  | 440.00004  | Pickens Debris   | Picken's          |
| 19           | Pickens Canyon         | WEST           |                      | REC-2, WARM, WILD                     | 6.1338         | 0.4661            | 34.22852 | -118.227647 | Crib dam No.7        | 34.22224  | -118.22891 | Basin            | Canyon            |
|              | Webber Channel (Storm  |                |                      | MUN, IND, PROC,<br>GWR, REC-1, REC-2, |                |                   |          |             | 848' u/s of Los      |           |            | 725' u/s of Los  | Webber            |
|              | at Private Bridge)     | WEST           | 180701050207         |                                       | 0 1 2 0 1      | 0.0233            | 24 22915 | -118.217703 |                      | 34.22792  | 110 210    |                  | Channel           |
|              | Webber Channel (Main   | VEST           | 100701030207         | MUN, IND, PROC,                       | 0.1394         | 0.0233            | 34.22015 | -110.217703 | Anigus St            | 34.22792  | -110.210   | Aniigus St       | Channel           |
|              | Channel Inlet d/s      |                |                      | GWR, REC-1, REC-2,                    |                |                   |          |             | 496' u/s of Los      |           |            | 470' u/s of Los  | Webber            |
|              | Bridge)                | WEST           | 180701050207         |                                       | 0.0228         | 0.0049            | 34 22754 | -118.218624 |                      | 34.22751  |            | Amigos St        | Channel           |
| 21           | Diage                  | WEOT           | 100701000207         | MUN, IND, PROC,                       | 0.0220         | 0.0040            | 04.22704 | 110.210024  |                      | 04.22701  | 110.2107   | / iniges et      | Ondriner          |
|              |                        |                |                      | GWR, REC-1, REC-2,                    |                |                   |          |             | 1360' u/s of         |           |            | Halls Cyn        |                   |
| 22           | Halls Canyon           | WEST           | 180701050207         |                                       | 5.0725         | 0.4502            | 34.22656 | -118.214719 |                      | 34.22317  | -118.2209  | Debris Basin     | Halls Canyon      |
|              | [no longer LACFCD      |                |                      |                                       |                |                   |          |             |                      |           |            |                  |                   |
| 23           | jurisdiction]          | -              | -                    | -                                     | -              | -                 | -        | -           | -                    | -         | -          | -                | -                 |
|              |                        |                |                      | MUN, GWR, REC-1,                      |                |                   |          |             |                      |           |            |                  |                   |
|              |                        |                |                      | REC-2, WARM, WILD,                    |                |                   |          |             |                      |           |            | Los Angeles      | Los Angeles       |
| 24           | Compton Creek          | SOUTH          | 180701060606         |                                       | 58.906         | 2.2735            | 33.87272 | -118.216626 | S Alameda St         | 33.84239  | -118.20488 | River            | River             |
|              |                        |                |                      | MUN, IND, PROC,                       |                |                   |          |             |                      |           |            |                  |                   |
|              |                        |                |                      | GWR, NAV, REC-1,                      |                |                   |          |             |                      |           |            |                  |                   |
|              |                        |                |                      | REC-2, COMM, WARM,                    |                |                   |          |             |                      |           |            |                  |                   |
|              |                        |                |                      | EST, MAR, WILD,                       |                |                   |          |             |                      |           |            |                  |                   |
|              | Los Angeles River -    |                |                      | RARE, MIGR, SPWN,                     |                |                   |          |             |                      |           |            | Pacific Coast    | Los Angeles       |
| 25a          | Willow to PCH          | SOUTH          | 180701060606         | SHELL, WET                            | 72.912         | 0.9616            | 33.80427 | -118.204698 | Willow St            | 33.79032  | -118.20462 | *                | River             |
| 0.51         | Los Angeles River -    | 0011711        |                      |                                       |                | o o=4             |          |             |                      | ~~~~~     |            | Pacific Coast    | Los Angeles       |
| 25b          | Willow to PCH          | SOUTH          | 180701060606         |                                       |                | 0.971             | 33.80428 | -118.206311 | Willow St            | 33.79019  | -118.20622 | Hwy              | River             |
|              |                        |                |                      | MUN, NAV, REC-1,                      |                |                   |          |             |                      |           |            |                  | Unnamed           |
|              |                        |                |                      | REC-2, COMM, WARM,                    |                |                   |          |             |                      |           |            |                  | Tributary of      |
|              |                        |                |                      | EST, MAR, WILD,                       |                |                   |          |             | 500' u/s of Artesia  |           |            | 400' d/s Artesia | Dominguez         |
| 26           | Project 740            | SOUTH          |                      | RARE, MIGR, SPWN                      | 3 0316         | 0.1835            | 33 87/2  | -118.290564 |                      | 33.87157  | -118.2905  |                  | Channel           |
| 20           |                        | 500111         | 100701000000         | MUN, REC-1, REC-2,                    | 5.3510         | 0.1000            | 55.0742  | -110.230304 |                      | 55.07 157 | -110.2903  |                  | Channel           |
|              |                        |                |                      | WARM, WILD, RARE,                     |                |                   |          |             |                      |           |            | Pacific Coast    | Wilmington        |
| 27           | Wilmington Drain       | SOUTH          | 180701060606         |                                       | 13,957         | 0.5538            | 33,79899 | -118.288622 | 110 Fwy              | 33.79114  |            |                  | Drain             |
|              |                        | 000111         |                      | MUN, GWR, REC-1,                      | 10.001         | 0.0000            | 00.10000 | 110.200022  |                      | 00.10111  | 110.20101  |                  | Diam              |
|              | Triunfo Creek (PD      |                |                      | REC-2, WARM, WILD,                    |                |                   |          |             | 368' u/s of          |           |            | 48' u/s of       |                   |
| 28           | T2200)                 | WEST           | 180701050402         |                                       | 1.2741         | 0.0606            | 34.11526 |             | Mulholland Hwy       | 34.11447  | -118.77945 | Mulholland Hwy   | Triunfo Creek     |
|              | ,                      |                |                      | MUN, REC-1, REC-2,                    |                |                   |          |             |                      |           |            |                  |                   |
|              |                        |                |                      | WARM, COLD, WILD,                     |                |                   |          |             | Los                  |           |            | 3225' u/s of     |                   |
|              | Las Virgenes Creek (PD |                |                      | RARE, MIGR, SPWN,                     |                |                   |          |             | Angeles/Ventura      |           |            | Thousand Oaks    | Las Virgenes      |
| 29           | T1684) M.C.I.          | WEST           | 180701050205         | WET                                   | 1.0507         | 0.064             | 34.16859 | -118.702632 | County Boundary      | 34.16796  | -118.70181 | Blvd             | Creek             |
|              | [no longer LACFCD      |                |                      |                                       |                |                   |          |             |                      |           |            |                  |                   |
| 30           | jurisdiction]          | -              | -                    | -                                     | -              | -                 | -        | -           | -                    | -         | -          | -                | -                 |

| Deeek        |   |                |                      |  | A rec          | ما بنی مربق       |          | •           |  |          |            |   |                                    |
|--------------|---|----------------|----------------------|--|----------------|-------------------|----------|-------------|--|----------|------------|---|------------------------------------|
| Reach<br>No. | Waters Name   | LACFCD<br>Area | Hydrological<br>Code | Beneficial Uses  | Area<br>(acre) | Length<br>(miles) | Latitude | Longitude   | Cross streets                                    | Latitude | Longitude  | Cross Streets                                     | Local<br>Waterway                  |
|              | [no longer LACFCD   | ,              |                      |  | (0.010)        | (                 |          |             |  |          |            |   |                                    |
| 31           | jurisdiction]   | -              | -                    | -  | -              | -                 | -        | -           | -  | -        | -          | -   | -                                  |
| 32           | Stokes Canyon Channel<br>(PD T043)                          | WEST           | 180701050205         | MUN, REC-1, REC-2,<br>WARM, COLD, WILD,<br>RARE, MIGR, SPWN,<br>WET                        | 2.9613         | 0.4055            | 34.11058 | -118.693534 | 3810' u/s<br>Mulholland Hwy &<br>Stokes Cyn Rd   | 34.10737 |            | 1669' u/s<br>Mulholland Hwy<br>& Stokes Cyn<br>Rd | Stokes<br>Canyon                   |
| 33           | Medea Creek (PD<br>T1378 U.2)<br>[no longer LACFCD          | WEST           |                      | MUN, GWR, REC-1,<br>REC-2, WARM, COLD,<br>WILD, RARE, WET                                  | 1.0872         | 0.1646            | 34.15629 | -118.758431 | 658' u/s of<br>Thousand Oaks<br>Blvd.            | 34.1541  | -118.75957 | 213' d/s of<br>Thousand Oaks                      |                                    |
| 34           | jurisdiction]   | -              | -                    | -  | -              | -                 | -        | -           | -  | -        | -          | -   | -                                  |
|              | Medea Creek M.C.I<br>under Route 101                        | WEST           |                      | MUN, GWR, REC-1,<br>REC-2, WARM, COLD,<br>WILD, RARE, WET                                  | 0.2252         | 0.0229            | 34.14532 |             | 98' d/s of d/s side<br>of Roadside Dr            | 34.14499 | -118.75775 | 13' u/s of u/s<br>side of<br>Roadside Dr          | Medea Creek                        |
|              | Cheseboro Main<br>Channel Inlet                             | WEST           |                      | MUN, GWR, REC-1,<br>REC-2, WARM, COLD,<br>WILD, RARE, WET                                  | 0.0919         | 0.0106            | 34.14587 | -118.739872 | 87' u/s of Driver<br>Ave                         | 34.14572 |            | 31' u/s of Driver<br>Ave                          | Cheseboro<br>Main Channel<br>inlet |
|              | Medea<br>Creek/Cheseboro Creek<br>Outlet                    | WEST           |                      | MUN, GWR, REC-1,<br>REC-2, WARM, COLD,<br>WILD, RARE, WET                                  | 0.5718         | 0.0403            | 34.14213 | -118.758752 | 571' d/s of Agoura<br>Road                       | 34.14189 | -118.75939 | 784' d/s Agoura<br>Road                           | Medea Creek                        |
| 38           | Lindero M.C.O.  | WEST           | 180701060606         | ·  | 0.1187         | 0.0214            | 34.14302 | -118.764016 | 180' d/s of Agoura<br>Rd                         | 34.14271 | -118.76402 | 293' d/s of<br>Agoura Road                        | Lindero Main<br>Channel<br>Outlet  |
|              | Beatty Channel Outlet at<br>SGR 25+99.00                    | EAST           | 180701060601         | MUN, IND, PROC,<br>AGR, GWR, REC-1,<br>REC-2, WARM, COLD,<br>WILD, RARE<br>MUN, IND, PROC, | 0.6386         | 0.0771            | 34.14371 | -117.932364 | 2300' d/s of Todd<br>Ave                         | 34.14344 |            | 2707' d/s of                                      | Beatty<br>Channel<br>Outlet        |
|              | San Gabriel River –<br>Santa Fe Dam to I-10<br>Freeway      | EAST           | 180701060601         | AGR, GWR, REC-1,<br>REC-2, WARM, COLD,<br>WILD, RARE                                       | 195.46         | 3.9765            | 34.11214 | -117.969854 | Arrow Hwy  | 34.06452 | -118.00442 | I-10 Freeway                                      | San Gabriel<br>River               |
|              | San Gabriel River – I-10<br>Freeway to Thienes<br>Avenue    | EAST           | 180701060601         |  | 145.55         | 2.3436            | 34.06452 | -118.004415 | I-10 Freeway                                     | 34.03859 | -118.02696 | Thienes Ave                                       | San Gabriel<br>River               |
| 41           | Walnut Creek  | EAST           | 180701060601         | MUN, GWR, REC-1,<br>REC-2, WARM, WILD,<br>WET  | 51.525         | 1.1534            | 34.06245 | -117.987161 | N Baldwin Park<br>Blvd                           | 34.05866 | -118.00637 |   | San Gabriel<br>River               |
|              | San Jose Creek d/s<br>1000' from end of<br>concrete channel | EAST           | 180701060601         | MUN, GWR, REC1,<br>REC2, WILD, WET   | 3.9092         | 0.1392            | 34.03257 | -118.005662 | 1310 d/s of S 3rd<br>Ave/COE Station<br>87+25.00 | 34.03239 | -118.00808 |   | San Jose<br>Creek                  |

| David        |                        |                | The first sector of  |   | <b>A</b>       | 1                 | •         |             |                   |          |            |                  | L I               |
|--------------|------------------------|----------------|----------------------|---|----------------|-------------------|-----------|-------------|-------------------|----------|------------|------------------|-------------------|
| Reach<br>No. | Waters Name            | LACFCD<br>Area | Hydrological<br>Code | Beneficial Uses                         | Area<br>(acre) | Length<br>(miles) | Latitude  | Longitude   | Cross streets     | Latitude | Longitude  | Cross Streets    | Local<br>Waterway |
|              |                        |                |                      | MUN, ND, PROC, AGR,                     |                |                   |           |             |                   |          |            |                  |                   |
|              |                        |                |                      | GWR, REC-1, REC-2,                      |                |                   |           |             |                   |          |            |                  |                   |
|              | San Gabriel River-     |                |                      | WARM, COLD; WILD,                       |                |                   |           |             | Whittier Narrows  |          |            | San Gabriel      | San Gabriel       |
| 43a          | Upper                  | SOUTH          | 180701060601         | l                                       | 78.47          | 0.5956            | 34.02002  | -118.055674 | Dam               | 34.01355 | -118.06255 | River Parkway    | River             |
|              |                        |                |                      | MUN, ND, PROC, AGR,                     |                |                   |           |             |                   |          |            |                  |                   |
|              | San Gabriel River-     |                |                      | GWR, REC-1, REC-2,<br>WARM, COLD; WILD, |                |                   |           |             | San Gabriel River |          |            |                  | San Gabriel       |
|              | Lower                  | SOUTH          | 180701060601         |   |                | 0.5811            | 34 01355  | -118.062549 |                   | 34.00678 | -118 06848 | Beverly Blvd     | River             |
| 430          | Lowei                  | 30011          | 180701000001         | MUN, ND, PROC, AGR,                     |                | 0.5611            | 34.01300  | -110.002349 | Falkway           | 34.00078 | -110.00040 |                  | RIVEI             |
|              |                        |                |                      | GWR, REC-1, REC-2,                      |                |                   |           |             |                   |          |            |                  |                   |
|              | San Gabriel River -    |                |                      | WARM, COLD; WILD,                       |                |                   |           |             |                   |          |            | 1300' u/s of     | San Gabriel       |
|              | Rubber Dams            | SOUTH          | 180701060601         |   | 230.21         | 5.8513            | 34,00678  | -118.068481 | Beverly Blvd      | 33.93101 | -118,10709 |                  | River             |
|              |                        | 000111         |                      |   | 200.21         | 0.0010            | 01.00010  | 110.000101  |                   | 00.00101 | 110110100  |                  |                   |
|              |                        |                |                      | MUN, IND, PROC,                         |                |                   |           |             |                   |          |            |                  |                   |
|              | Sand Canyon (PD        |                |                      | AGR, GWR, FRSH,                         |                |                   |           |             |                   |          |            |                  |                   |
|              | T1307) Main Channel    |                |                      | REC-1, REC-2, WARM,                     |                |                   |           |             | 1664' u/s of      |          |            | 1562' u/s of     |                   |
| 45           | Inlet                  | WEST           | 180701020201         | WILD, RARE, WET                         | 0.05           | 0.0193            | 34.4312   | -118.420606 | Soledad Cyn Rd    | 34.43096 | -118.42078 | Soledad Cyn Rd   | Sand Canyon       |
|              |                        |                |                      |   |                |                   |           |             |                   |          |            |                  |                   |
|              |                        |                |                      | MUN, IND, PROC,                         |                |                   |           |             |                   |          |            |                  |                   |
|              | Sand Canyon (PD        |                |                      | AGR, GWR, FRSH,                         |                |                   |           |             |                   |          |            |                  |                   |
|              | T1307) Main Channel    |                |                      | REC-1, REC-2, WARM,                     |                |                   |           |             | 1085' u/s of      |          |            | 1001' u/s of     |                   |
| 46           | Outlet                 | WEST           | 180701020201         | WILD, RARE, WET                         | 0.0577         | 0.0159            | 34.42982  | -118.422625 | Soledad Cyn Rd    | 34.42959 | -118.42269 | Soledad Cyn Rd   | Sand Canyon       |
|              |                        |                |                      |   |                |                   |           |             |                   |          |            |                  |                   |
|              |                        |                |                      | MUN, IND, PROC,                         |                |                   |           |             |                   |          |            |                  |                   |
|              | Santa Clara River Main |                |                      | AGR, GWR, FRSH,                         |                |                   |           |             |                   |          |            |                  |                   |
|              | Channel (PD T1733-     | WEOT           | 40070400004          | REC-1, REC-2, WARM,                     | 40 707         | 0.0047            | 044400    | 440 444000  | 130' d/s edge of  | 04.44.40 | 440 44000  |                  | Santa Clara       |
| 47           | Unit 1)                | WEST           | 180701020201         | WILD, RARE, WET                         | 16.767         | 0.3017            | 34.41493  | -118.444698 | State Route 14    | 34.4143  | -118.44992 | State Route 14   | River             |
|              | Mint Canyon Channel    |                |                      | MUN, IND, PROC,                         |                |                   |           |             |                   |          |            |                  |                   |
|              | between Sierra Highway |                |                      | AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,  |                |                   |           |             |                   |          |            | 2501' d/s of     | Mint Cyn          |
|              | & Adon Avenue          | WEST           | 180701020201         |   | 2 1851         | 0.4737            | 34 43035  | -118.443197 | Siorra Hway       | 34.42489 | -118.44796 |                  | Channel           |
| 40           |                        | WL31           | 100701020201         | MUN, IND, PROC,                         | 2.4031         | 0.4737            | 34.43033  | -110.443197 |                   | 54.42409 | -110.44790 | Sierra riwy      | Channel           |
|              | Mint Canyon Channel    |                |                      | AGR, GWR, FRSH,                         |                |                   |           |             |                   |          |            |                  |                   |
|              | between Adon Avenue    |                |                      | REC-1,                                  |                |                   |           |             |                   |          |            | 385' d/s of Adon | Mint Cvn          |
|              | & Scherzinger Lane     | WEST           | 180701020201         | REC-2,WARM,WILD                         | 0.4446         | 0.0729            | 34,42482  | -118,448063 | d/s of Adon Ave   | 34.42398 |            |                  | Channel           |
|              |                        |                |                      |   | 0              | 2.0.20            | 0.112.102 |             |                   | 2.1.2000 |            |                  |                   |
|              |                        |                |                      | MUN, IND, PROC,                         |                |                   |           |             |                   |          |            |                  |                   |
|              | Mint Canyon Channel    |                |                      | AGR, GWR, FRSH,                         |                |                   |           |             |                   |          |            |                  |                   |
|              | between Solamint &     |                |                      | REC-1, REC-2, WARM,                     |                |                   |           |             | 895' u/s of       |          |            | 170' u/s of      | Mint Cyn          |
|              | Soledad                | WEST           | 180701020201         | WILD, RARE, WET                         | 1.0943         | 0.1373            | 34.41867  | -118.452904 | Soledad Cyn Rd    | 34.41685 | -118.45381 | Soledad Cyn Rd   |                   |
|              |                        |                |                      | MUN, IND, PROC,                         |                |                   |           |             | -                 |          |            |                  |                   |
|              | Mint Canyon M.C.O.     |                |                      | AGR, GWR, FRSH,                         |                |                   |           |             |                   |          |            |                  |                   |
|              | (PD 1894)/Santa Clara  |                |                      | REC-1, REC-2, WARM,                     |                |                   |           |             | 853' d/s of       |          |            | SCR on d/s side  |                   |
| 51           | River – Main Channel   | WEST           | 180701020201         | WILD                                    | 9.9672         | 0.1616            | 34.41396  | -118.454304 | Soledad Cyn Rd    | 34.41329 | -118.457   | of Sierra Hwy    | Channel           |

|              |   |                |                      |  |                |                   |          | -,          |   |          |            |  | -                         |
|--------------|---|----------------|----------------------|--|----------------|-------------------|----------|-------------|---|----------|------------|--|---------------------------|
| Reach<br>No. | Waters Name   | LACFCD<br>Area | Hydrological<br>Code | Beneficial Uses  | Area<br>(acre) | Length<br>(miles) | Latitude | Longitude   | Cross streets                                     | Latitude | Longitude  | Cross Streets  | Local<br>Waterway         |
|              | Sierra Highway Road<br>Drainage (CDR<br>523.203)  | WEST           | 180701020201         | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD            | 0.3505         | 0.1462            | 34.41896 | -118.454336 | 253' s/w of Dolan<br>& east edge of<br>Sierra Hwy | 34.41688 | -118.45392 | Confluence w/<br>Mint Cyn<br>Channel   | Sierra Hwy Rd<br>Drainage |
|              | Santa Clara River Non-<br>Main Channel (PD 832)<br>Main Channel Inlet                           | WEST           | 180701020201         | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 0.0239         | 0.0066            | 34.40933 | -118.460011 | 25' d/s of Sierra<br>Hwy                          | 34.40936 | -118.46012 | 60' d/s of Sierra<br>Hwy   | Santa Clara<br>River      |
|              | Santa Clara River Non-<br>Main Channel (PD 832)<br>Main Channel Outlet                          | WEST           |                      | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 0.5562         | 0.0718            | 34.411   | -118.458874 | 130' d/s of Sierra<br>Hwy                         | 34.41191 | -118.45948 | 509' d/s of<br>Sierra Hwy  | Santa Clara<br>River      |
|              | Santa Clara River Main<br>Channel – Right Bank<br>Reach (PD's 910, 832,<br>1758, & 1562 Unit 2) | WEST           |                      | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 20.408         | 0.6578            | 34.41321 | -118.457528 | Sierra Hwy  | 34.41274 | -118.46893 | 3473' d/s Sierra<br>Hwy  | Santa Clara<br>River      |
|              | Santa Clara River Main<br>Channel – Left Bank<br>Reach (PD 832)                                 | WEST           |                      | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 13.909         | 0.4523            | 34.41187 | -118.459624 | 580' d/s Sierra<br>Hwy                            | 34.41081 | -118.4674  | 2968' d/s of<br>Sierra Hwy<br>(Hidaway Ave,<br>produced)                                 | Santa Clara<br>River      |
|              | Whites Canyon (PD<br>T704 M.C.I.)   | WEST           | 180701020201         | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 1.6597         | 0.1197            | 34.42978 | -118.463173 | 1382' u/s of<br>Foxlane                           | 34.42925 | -118.4651  | 750' u/s of<br>Foxlane   | Whites Cyn                |
| 58           | Santa Clara River Main<br>Channel – Right Bank<br>Reach (PD 374)                                | WEST           |                      | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 6.7547         | 0.4737            | 34.41274 | -118.468929 | 2501' u/s of<br>Soledad Cyn Rd<br>bridge          | 34.41554 | -118.47633 | U/s of Soledad<br>Cyn Rd bridge  | Santa Clara<br>River      |
|              | [no longer LACFCD<br>jurisdiction]  | -              | -                    | -  | -              | -                 | -        | -           | -   | -        | -          | -  | -                         |
|              | Santa Clara River Main<br>Channel – Right Bank<br>Reach (PD's 1339 and<br>374)                  | WEST           |                      | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 6.096          | 0.6083            | 34.41587 | -118.476671 | D/s side of<br>Soledad Cyn Rd<br>bridge           | 34.42352 | -118.48189 | 3212' d/s of<br>Soledad Cyn<br>Rd/Conf. with<br>PD 246 (d/s<br>Newhouse St,<br>produced) | Santa Clara<br>River      |

| Reach<br>No. | Waters Name                                      | LACFCD<br>Area | Hydrological<br>Code | Beneficial Uses                        | Area<br>(acre) | Length<br>(miles) | Latitude | Longitude   | Cross streets                   | Latitude | Longitude  | Cross Streets                 | Local<br>Waterway      |
|--------------|--|----------------|----------------------|--|----------------|-------------------|----------|-------------|---------------------------------|----------|------------|-------------------------------|------------------------|
|              |  | Area           | 0000                 | MUN, IND, PROC,                        | (0010)         | (111100)          |          |             |                                 |          |            |                               | Waterway               |
|              |  |                |                      | AGR, GWR, FRSH,                        |                |                   |          |             | D/s side of                     |          |            | 4709' d/s of                  |                        |
| 61           | Santa Clara River Main<br>Channel (PD 659 & 754) | WEST           | 190701020201         | REC-1, REC-2, WARM,                    | 20 761         | 0 0010            | 24 42052 | -118.483884 | Soledad Cyn Rd                  | 34.42665 | -118.49406 | Soledad Cyn Rd                | Santa Clara<br>River   |
| 61           | [no longer LACFCD                                | VEST           | 180701020201         | WILD, RARE, WET                        | 38.761         | 0.8919            | 34.42002 | -110.403004 | bhuge                           | 34.42003 | -110.49400 | blidge                        | River                  |
| 62           | jurisdiction]                                    | -              | -                    | -                                      | -              | -                 | -        | -           | -                               | -        | -          | -                             | -                      |
|              |  |                |                      | MUN, IND, PROC,                        |                |                   |          |             |                                 |          |            |                               |                        |
|              |  |                |                      | AGR, GWR, FRSH,                        |                |                   |          |             | 1400' N of                      |          |            | 2314' N of                    |                        |
| 63           | Oak Ave Road Drainage<br>(CDR 523.081)           | WEST           | 180701020201         | REC-1, REC-2, WARM,<br>WILD, RARE, WET | 0.86           | 0.1731            | 34,42379 |             | Soledad Cyn Rd<br>@ SCE lines   | 34.42624 |            | Soledad Cyn Rd<br>@ SCE lines | Oak Ave Rd<br>Drainage |
|              | (  |                |                      |  |                |                   |          |             |                                 |          |            |                               |                        |
|              | Soledad Canyon Road                              |                |                      | MUN, IND, PROC,<br>AGR, GWR, FRSH,     |                |                   |          |             | (E side of) LA<br>Aqueduct N of |          |            | 1250' NW/o                    |                        |
|              | Drain (CDR 523.071 D                             |                |                      | REC-1, REC-2, WARM,                    |                |                   |          |             | 1130' Soledad Cyn               |          |            | Soledad Cyn Rd                |                        |
| 64           | outlet)<br>[no longer LACFCD                     | WEST           | 180701020201         | WILD, RARE, WET                        | 1.0213         | 0.1087            | 34.42094 | -118.510584 | Rd                              | 34.42052 | -118.51214 | & LA Aqueduct                 | Rd Drain               |
| 65           | jurisdiction]                                    | -              | -                    | -                                      | -              | -                 | -        | -           | -                               | -        | -          | -                             | -                      |
|              |  |                |                      | MUN, IND, PROC,                        |                |                   |          |             |                                 |          |            |                               |                        |
|              |  |                |                      | AGR, GWR, FRSH,                        |                |                   |          |             |                                 |          |            | 470' u/s of                   |                        |
|              | Santa Clara River Main                           | MEOT           | 40070400004          | REC-1, REC-2, WARM,                    | 0.0040         | 0 4 4 0 4         | 0440074  |             | 1259' u/s of                    | 0.4.4000 |            | Bouquet Cyn                   | Santa Clara            |
| 66           | Channel (PD 1538)                                | WEST           | 180701020201         | WILD, RARE, WET<br>MUN, IND, PROC,     | 0.9618         | 0.1494            | 34.42274 | -118.536194 | Bouquet Cyn Rd                  | 34.4232  | -118.53867 | Rd                            | River                  |
|              |  |                |                      | AGR, GWR, FRSH,                        |                |                   |          |             |                                 |          |            |                               |                        |
|              | Bouquet Canyon Upper (PD's 1201, 802, 700B,      |                |                      | REC-1, REC-2, WARM,<br>COLD, WILD,     |                |                   |          |             |                                 |          |            | u/s of                        | Bouquet Cyn            |
| 67           | & 625)   | WEST           | 180701020201         |  | 18.518         | 1.228             | 34.4598  | -118.492791 | d/s of Hob Ave                  | 34.44873 | -118.50677 |                               | Upper                  |
| 68           | [no longer LACFCD<br>jurisdiction]               | _              |                      |  |                |                   | _        | _           |                                 |          | _          |                               |                        |
| 00           | junsuiciionj                                     | -              | -                    | -<br>MUN, IND, PROC,                   | -              | -                 | -        | -           | -                               | -        | -          | -                             | -                      |
|              | Pouguat Capyon Middla                            |                |                      | AGR, GWR, FRSH,                        |                |                   |          |             |                                 |          |            |                               |                        |
|              | Bouquet Canyon Middle<br>(PD's 722, 773, 1365,   |                |                      | REC-1, REC-2, WARM, COLD, WILD,        |                |                   |          |             | d/s of Urbandale                |          |            | u/s Bouquet                   | Bouquet Cyn            |
| 69           | 1065, & 451)                                     | WEST           | 180701020201         | ,                                      | 20.995         | 1.3886            | 34.44862 | -118.506934 | Ave                             | 34.43482 | -118.52358 |                               | Mid                    |
|              |  |                |                      | MUN, IND, PROC,<br>AGR, GWR, FRSH,     |                |                   |          |             |                                 |          |            |                               |                        |
|              |  |                |                      | REC-1, REC-2, WARM,                    |                |                   |          |             | 2563' u/s lower                 |          |            | u/s side of                   |                        |
| 70           | Bouquet Canyon Lower<br>(PD's 544 & 345)         | WEST           | 180701020201         | COLD, WILD,<br>SPWN WET                | 8 5211         | 0 / 85/           | 31 12070 | -118.525845 | crossing. Bouquet               | 34.43089 |            | Bouquet Cyn                   | Bouquet Cyn<br>Lower   |
| 10           |  | VVL01          | 100701020201         |  | 0.0014         | 0.7004            | JT.TJZ1Z | 110.020040  | Cyn Nu                          | 54.45009 | -110.00404 | i tu                          |                        |

| Reach | Waters Name   | LACFCD | Hydrological | Beneficial Uses  | Area   | Length  | Latitude | Longitude   | Cross streets                                  | Latitude | Longitude  | Cross Streets                              | Local                   |
|-------|---|--------|--------------|--|--------|---------|----------|-------------|--|----------|------------|--|-------------------------|
| No.   | Waters Name   | Area   | Code         | Berlenolar 0303  | (acre) | (miles) | Latitude | Longhado    |  | Landao   | Longitude  |  | Waterway                |
| 71    | Santa Clara River Main<br>Channel (PD 1946)                                   | WEST   |              | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 0.6649 | 0.0386  | 34.42399 | -118.561404 | 229' u/s of<br>McBean Pkwy<br>(conf w/ SF-SCR) | 34.42401 | -118.56208 | 25' u/s edge of<br>McBean<br>Parkway       | Santa Clara<br>River    |
|       | South Fork- SCR<br>(Smizer Ranch M.C.I.)                                      | WEST   |              | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 0.1953 | 0.0216  | 34,36934 | -118,556492 | 565' u/s of Wiley<br>Canyon Road               | 34.36955 |            | 451' u/s Wiley<br>Canyon Road              | Santa Clara<br>River    |
|       | Wildwood Canyon<br>Channel (PD T361)<br>Main Channel Inlet                    | WEST   |              | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,                    |        | 0.0157  |          |             | 83' u/s of<br>Cedartown St                     | 34.3715  |            | U/s side of<br>Cedartown St                | Wildwood<br>Canyon      |
|       | [no longer LACFCD   |        |              |  |        |         |          |             |  |          |            |  |                         |
| 74    | jurisdiction]   | -      | -            |  | -      | -       | -        | -           | -  | -        | -          | -  | -                       |
|       | South Fork-Santa Clara<br>River (PD's 725, 916,<br>1041, &1300)               | WEST   | 180701020201 | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD            | 108.97 | 2.6254  | 34.38    | -118.552084 | 255' d/s of Lyons<br>Ave                       | 34.41431 | -118.54406 | D/s edge of<br>Magic Mtn<br>Parkway        | Santa Clara<br>River    |
|       | Pico Canyon (PD 813)  | WEST   |              | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD            |        | 0.7568  |          | -118.558123 | Vista Valencia Golf                            | 34.38833 |            | South Fork<br>Santa Clara                  | Pico Canyon             |
|       | Newhall Creek Outlet  | WEST   |              | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD            | 3.0893 |         |          | -118.536485 | 1040' d/s of 15th                              | 34.39506 |            | Confluence<br>w/SCR-South                  | Newhall Creek<br>Outlet |
|       | Placerita Creek   | WEST   | 180701020201 | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD            | 0.4518 | 0.0428  | 34.39162 |             | D/s edge of San<br>Fernando Rd                 | 34.39153 | -118.53756 | Confluence w/<br>Newhall Creek             | Placerita<br>Creek      |
|       | South Fork- Santa Clara<br>River (Valencia<br>Boulevard Bridge<br>Stabilizer) | WEST   |              |  | 0.819  | 0.0263  | 34.41909 |             | D/s edge of<br>Valencia Blvd                   | 34.41915 | -118.54924 | 139' d/s of<br>Valencia Blvd               | Santa Clara<br>River    |
|       | South Fork-Santa Clara<br>River (PD's 1947 &<br>1946)                         | WEST   | 180701020201 | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD            | 9.7512 | 0.5326  | 34.42014 | -118.553501 | 3041'u/s of<br>McBean Parkway                  | 34.42399 |            | 229' u/s of<br>McBean Pkwy<br>(conf.w/SCR) | Santa Clara<br>River    |
|       | [no longer LACFCD<br>jurisdiction]  | -      | -            | -  | -      | -       | -        | -           | -  | -        | -          | -  | -                       |

| Reach | Waters Name                       | LACFCD | Hydrological | Beneficial Uses                        | Area   | Length  | Latitude | Longitude   | Cross streets                      | Latitude | Longitude  | Cross Streets       | Local                  |
|-------|-----------------------------------|--------|--------------|--|--------|---------|----------|-------------|------------------------------------|----------|------------|---------------------|------------------------|
| No.   |                                   | Area   | Code         |  | (acre) | (miles) |          |             |                                    |          |            |                     | Waterway               |
|       |                                   |        |              | MUN, IND, PROC,                        |        |         |          |             |                                    |          |            | S/o Avenue          |                        |
|       | Santa Clara River Main            |        |              | AGR, GWR, FRSH,                        |        |         |          |             | 890' s/e of Ave.<br>Hopkins & Ave. |          |            | Hopkins &<br>Avenue | Santa Clara            |
| 82    | Channel (PD 2278)                 | WEST   | 180701020201 | REC-1, REC-2, WARM,<br>WILD, RARE, WET | 5.33   | 0.1686  | 34.4276  | -118.568179 |                                    | 34.42855 | -118.57064 |                     | River                  |
|       | [no longer LACFCD                 |        |              | ···,···_,··                            |        |         |          |             |                                    |          |            |                     |                        |
| 83    | jurisdiction]                     | -      | -            | -                                      | -      | -       | -        | -           | -                                  | -        | -          | -                   | -                      |
| 84    | [no longer LACFCD jurisdiction]   | -      | -            | -                                      | -      | -       | _        | -           | -                                  | -        | -          | -                   | -                      |
|       | [no longer LACFCD                 |        |              |  |        |         |          |             |                                    |          |            |                     |                        |
| 85    | jurisdiction]                     | -      | -            | -                                      | -      | -       | -        | -           | -                                  | -        | -          | -                   | -                      |
|       |                                   |        |              | MUN, IND, PROC,                        |        |         |          |             |                                    |          |            |                     |                        |
|       |                                   |        |              | AGR, GWR, FRSH,                        |        |         |          |             |                                    |          |            |                     |                        |
|       | Violin Canyon Main                |        |              | REC-1, REC-2, WARM,                    |        |         |          |             | 1021' d/s Ridge                    |          |            | Conf w/ Castaic     |                        |
| 86    | Channel Outlet                    | WEST   | 180701020201 | WILD, RARE, WET                        | 4.9181 | 0.1905  | 34.49168 | -118.61348  | Route Rd                           | 34.49004 | -118.61099 | Creek               | Violin Canyon          |
|       |                                   |        |              | MUN, IND, PROC,                        |        |         |          |             |                                    |          |            |                     |                        |
|       | Castaic- Old Road                 |        |              | AGR, GWR, FRSH,                        |        |         |          |             | 500' d/s of Live                   |          |            |                     |                        |
|       | Drainage (CDR<br>525.021D) Outlet | WEST   | 180701020201 | REC-1, REC-2, WARM,<br>WILD, RARE, WET | 0 2882 | 0.0305  | 34 45171 | -118.615757 | Oak Rd, w/o The                    | 34.45134 | -118.61605 | Conf w/ Castaic     | Castaic Creek          |
| 07    |                                   | WEST   | 100701020201 |  | 0.2002 | 0.0303  | 34.43171 | -110.013737 |                                    | 34.43134 | -110.01003 | Cleek               | Castale Cleek          |
|       |                                   |        |              | MUN, IND, PROC,                        |        |         |          |             |                                    |          |            |                     |                        |
|       | Haaloy Convon Unnor               |        |              | AGR, GWR, FRSH,                        |        |         |          |             | 730' u/s of Sharp                  |          |            | 238' d/s of         | Haalov                 |
|       | Hasley Canyon Upper<br>(PD T1496) | WEST   | 180701020201 | REC-1, REC-2, WARM,<br>WILD, RARE, WET | 1.0938 | 0.1833  | 34.4709  | -118.662974 |                                    | 34.46829 |            |                     | Hasley<br>Canyon Upper |
|       | /                                 |        |              |  |        |         |          |             | -                                  |          |            |                     |                        |
|       |                                   |        |              | MUN, IND, PROC,<br>AGR, GWR, FRSH,     |        |         |          |             | 474' u/s of Romero                 |          |            |                     | Hasley                 |
|       | Hasley Canyon South               |        |              | REC-1, REC-2, WARM,                    |        |         |          |             | Cyn Rd along                       |          |            | 118'u/s of          | Canyon South           |
|       | Fork (PD T1496)                   | WEST   | 180701020201 | WILD, RARE, WET                        | 1.1898 | 0.0674  | 34.46615 | -118.662262 | , ,                                | 34.46543 | -118.66148 | Romero Cyn Rd       | -                      |
|       |                                   |        |              |  |        |         |          |             |                                    |          |            |                     |                        |
|       |                                   |        |              | MUN, IND, PROC,<br>AGR, GWR, FRSH,     |        |         |          |             | 1026' u/s of                       |          |            |                     |                        |
|       | Hasley Canyon Lower               |        |              | REC-1, REC-2, WARM,                    |        |         |          |             | Romero Cyn Rd                      |          |            | u/s of Romero       | Hasley                 |
| 90    | (North Fork PD T1496)             | WEST   | 180701020201 | WILD, RARE, WET                        | 1.1122 | 0.1943  | 34.46795 | -118.661412 | along Main Line                    | 34.4653  | -118.66123 | Cyn Rd              | Canyon Lower           |
|       |                                   |        |              | MUN, IND, PROC,                        |        |         |          |             |                                    |          |            |                     |                        |
|       | San Martinez Chiquito             |        |              | AGR, GWR, FRSH,                        |        |         |          |             |                                    |          |            |                     | San Martinez           |
|       | Canyon Channel u/s of             |        |              | REC-1, REC-2, WARM,                    |        |         |          |             | San Martinez Rd                    |          |            |                     | Chiquito               |
| 91    | Keningston Road                   | WEST   | 180701020201 | WILD, RARE, WET                        | 0.5132 | 0.1134  | 34.44855 | -118.672715 | (w/o Borton St)                    | 34.44769 | -118.67108 | Keningston Rd       | Canyon                 |

| Reach<br>No. | Waters Name   | LACFCD<br>Area | Hydrological<br>Code | Beneficial Uses  | Area<br>(acre) | Length<br>(miles) | Latitude | Longitude   | Cross streets                                       | Latitude | Longitude  | Cross Streets                                     | Local<br>Waterway                              |
|--------------|---|----------------|----------------------|--|----------------|-------------------|----------|-------------|---|----------|------------|---|--|
|              | San Martinez Chiquito<br>Canyon (North Fork)<br>unnamed                               | WEST           |                      | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 0.3377         | 0.1394            | 34.45057 | -118.67357  | 736' u/s of c/l of<br>San Martinez Rd               | 34.44872 | -118.67297 |   | San Martinez<br>Chiquito<br>Canyon             |
|              | San Martinez Chiquito<br>Canyon between<br>Keningston Road and<br>Val Verde Park      | WEST           |                      | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 0.9107         | 0.203             | 34.44767 | -118.670963 | Keningston Rd                                       | 34.44693 | -118.66757 | 1072' d/s of<br>Keningston Rd                     | San Martinez<br>Chiquito<br>Canyon             |
|              | San Martinez Chiquito<br>Canyon between Val<br>Verde Park to d/s of<br>Madison Street | WEST           |                      | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 1.5441         | 0.4633            | 34.44537 | -118.661487 | 1180' u/s of<br>Chiquito Cyn Rd                     | 34.44193 |            | 80' d/s of<br>Madison St                          | San Martinez<br>Chiquito<br>Canyon             |
| 95           | Project No. 1224  | WEST           | 180701020201         | MUN, AGR, GWR,<br>REC1, REC2, WARM,<br>WILD<br>MUN, AGR, GWR,                | 3.1401         | 0.3494            | 34.54303 | -117.981501 | Ave T   | 34.54695 | -117.9845  | Confluence of<br>Little rock Creek<br>147' d/s of | Unnamed<br>Tributary of<br>Little Rock<br>Wash |
| 96           | PD 1591, Calabasas  | WEST           |                      | REC1, REC2, WARM,  | 0.8656         | 0.0911            | 34.14535 | -118.630228 | 334' u/s of culvert<br>under Vicasa Drive           | 34.1466  | -118.63041 | culvert under                                     | Dry Canyon                                     |
|              | PD T1982, Castaic<br>Creek  | WEST           | 180701020201         | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET | 1.5832         | 0.307             | 34.45134 | -118.616047 | 300' d/s of The Old<br>Road                         | 34.44757 | -118.61856 | 1921' d/s of The<br>Old Road                      | Castaic Creek                                  |
|              | Walnut Creek –<br>Channel Inlet   | EAST           |                      | MUN, ND, PROC, AGR,<br>GWR, REC-1, REC-2,<br>WARM, COLD; WILD,<br>RARE       | 0.1927         | 0.0102            | 34.07981 | -117.860498 | 54' u/s of<br>perpendicular ext.<br>of Chaparro Rd  | 34.07974 | -117.86065 | Perpendicular<br>extension of<br>Chaparro Road    | Walnut Creek                                   |
|              | Kagel Canyon –<br>Tujunga Wash  | WEST           |                      | MUN, GWR, REC-1,<br>REC- 2, WARM, WILD                                       | 1.6119         | 0.8992            | 34.29614 | -118.377709 | Blue Sage Drive                                     | 34.28418 | -118.37417 | City of Los<br>Angeles<br>Boundary                | Kagel Canyon                                   |
|              | Dry Canyon, Calabasas<br>Creek Inlet  | WEST           | 180701020201         | MUN, GWR, REC-1,<br>REC- 2, WARM, WILD                                       | 0.048          | 0.021             | 34.15537 | -118.632628 | 1951' u/s of Ave<br>San Luis                        | 34.15563 | -118.63283 | 1840' u/s of Ave<br>San Luis                      | Dry Canyon                                     |
|              | Violin Canyon (PD<br>2312)  | WEST           | 180701020201         | •  | 6.0741         | 0.3229            | 34.50307 | -118.625792 | 2575' u/s of Lake<br>Hughes Road                    | 34.49918 |            | 870' u/s of Lake<br>Hughes Road                   | Violin Canyon                                  |
|              | Violin Canyon (PD<br>2275)  | WEST           |                      | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE      | 3.1844         | 0.2284            | 34.50796 | -118.640603 | 1206' u/s of d/s<br>face of Sierra Oak<br>Trail RCB | 34.50813 | -118.63667 | Sierra Oak Trail<br>RCB                           | Violin Canyon                                  |

| Deset        |  |                | 11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 |  | <b>A</b>                              | 1                 | •             |             |   |               |            |   | 1 1                                      |
|--------------|--|----------------|--|--|---------------------------------------|-------------------|---------------|-------------|---|---------------|------------|---|--|
| Reach<br>No. | Waters Name  | LACFCD<br>Area | Hydrological<br>Code                   | Beneficial Uses  | Area<br>(acre)                        | Length<br>(miles) | Latitude      | Longitude   | Cross streets                               | Latitude      | Longitude  | Cross Streets                               | Local<br>Waterway                        |
|              | Bouquet Canyon<br>Channel (PD 2225)                                      | WEST           | 180701020201                           | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>COLD, WILD,<br>SPWN,WET | , , , , , , , , , , , , , , , , , , , | 0.2684            | 34.428        | -118.540372 | 1417' d/s of<br>Newhall Ranch<br>Road       | 34.42539      |            | d/s of Newhall                              | Bouquet<br>Canyon<br>Channel             |
|              | Castaic Creek (PD 2441<br>Unit 2)  | WEST           | 180701020201                           | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET         | 6.0556                                | 0.3951            | 34.44717      | -118.615835 | 570' u/s of<br>Muirfield Lane<br>Centerline | 34.44219      | -118.61286 | 450' d/s of<br>Turnberry Lane<br>Centerline | Castaic Creek                            |
| 105          | San Francisquito<br>Canyon Channel (PD<br>2456)<br>[no longer LACFCD     | WEST           | 180701020201                           | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD, RARE, WET         | 1.0719                                | 0.154             | 34.44548      | -118.557532 | 388' u/s of Decoro<br>Drive Centerline      | 34.44331      | -118.55805 | Decoro Drive                                | San<br>Francisquito<br>Canyon<br>Channel |
| 106          | jurisdiction]  | -              | -                                      | -  | -                                     | -                 | -             | -           | -   | -             | -          | -   | -  |
| 107          | [no longer LACFCD<br>jurisdiction]                                       | -              | -                                      | -  | -                                     | -                 | -             | -           | -   | -             | -          | -   | -  |
| 108          | Pico Canyon ( PD 2528)   | WEST           | 180701020201                           | MUN, IND, PROC,<br>AGR, GWR, FRSH,<br>REC-1, REC-2, WARM,<br>WILD                    | 4.9911                                | 0.6195            | 34.38179      | -118.581749 | Stevenson Ranch<br>DB                       | 34.38628      | -118.57252 | The Old Road                                | Pico Canyon                              |
|              | Santa Clara River -<br>South Bank West of<br>Mcbean Parkway<br>(MTD1510) | WEST           |  | MUN, AGR, GWR,<br>FRSH, REC1, REC2,<br>WARM, WILD, WET                               | 0.6234                                |                   |               |             | 27' d/s edge of<br>McBean Parkway           | 34.42407      |            | 375' d/s edge of<br>McBean                  | Santa Clara<br>River                     |
|              | Hasley Canyon Channel<br>(PD2262)  | WEST           |  | MUN, AGR, GWR,<br>FRSH, REC1, REC2,<br>WARM, WILD, WET                               | 10.056                                |                   |               | -118.633728 | 2724' u/s center<br>line of Commerce        | 34.4455       |            | 1000' d/s center<br>line of<br>Commerce     | Hasley<br>Canyon<br>Channel              |
|              | [no longer LACFCD  |                |  |  |                                       |                   |               |             |   |               |            |   |  |
|              | jurisdiction]<br>Ballona Creek   | -<br>SOUTH     | - 180701040300                         | -<br>NAV, COMM, EST,<br>MAR, REC-1, REC-2,<br>WILD, RARE, MIGR,<br>SPWN, SHELL       | -<br>97.331                           | -<br>2.5737       | -<br>33.98671 |             | -<br>d/s edge of S<br>Centinela Ave         | -<br>33.96423 |            | -<br>760' u/s edge of<br>Pacific Ave        | -<br>Ballona Creek                       |
|              |  |                |  | NAV, COMM, EST,<br>MAR, REC-1, REC-2,<br>WILD, RARE, MIGR,                           |                                       |                   |               |             | d/s edge of                                 |               |            | 40' d/s edge of                             | Dominguez                                |
| 113          | Dominguez Channel  | SOUTH          | 180701060102                           | SPWN   | 203.75                                | 8.2739            | 33.87094      | -118.290348 | Vermont Ave                                 | 33.77699      | -118.24148 | Henry Ford Blvd                             | Channel                                  |

|       |                        |        | 11.1.1.1.1.1.1.1.1.1.1 |                      | <b>A</b> | 1       | •        |             |                    |          |            |                  | 1 1           |
|-------|------------------------|--------|------------------------|----------------------|----------|---------|----------|-------------|--------------------|----------|------------|------------------|---------------|
| Reach | Waters Name            | LACFCD | Hydrological<br>Code   | Beneficial Uses      | Area     | Length  | Latitude | Longitude   | Cross streets      | Latitude | Longitude  | Cross Streets    | Local         |
| No.   |                        | Area   | Code                   |                      | (acre)   | (miles) |          |             |                    |          |            |                  | Waterway      |
|       |                        |        |                        | IND NAV COMM FOT     |          |         |          |             |                    |          |            |                  |               |
|       |                        |        |                        | IND, NAV, COMM, EST, |          |         |          |             |                    |          |            | 1150' d/a adra   |               |
|       |                        |        |                        | MAR, REC-1, REC-2,   |          |         |          |             |                    |          |            | 1150' d/s edge   |               |
|       |                        |        |                        | WILD, RARE, MIGR,    | 400.04   | 4 000   | 00 70040 | 440.005400  |                    | 00 70007 | 440.00504  | of W Ocean       | Los Angeles   |
| 114   | Los Angeles River      | SOUTH  | 180701050402           | SPWN, SHELL, WET     | 126.24   | 1.803   | 33.79012 | -118.205489 | Pacific Coast Hwy  | 33.76397 | -118.20521 | Biva             | River         |
|       |                        |        |                        | IND, NAV, COMM, EST, |          |         |          |             |                    |          |            |                  |               |
|       |                        |        |                        | MAR, REC-1, REC-2,   |          |         |          |             |                    |          |            |                  |               |
|       |                        |        |                        | WILD, RARE, MIGR,    |          |         |          |             | 1160' u/s edge of  |          |            |                  | San Gabriel   |
| 115   | San Gabriel River      | SOUTH  | 180701060606           | SPWN, SHELL          | 163.9    | 3.9252  | 33.7909  | -118.09172  | 405 Frwy           | 33.74084 | -118.11632 | Pacific Ocean    | River         |
|       |                        |        |                        |                      |          |         |          |             |                    |          |            | 1110' u/s of     |               |
|       |                        |        |                        | MUN, REC-1, REC-2,   |          |         |          |             | d/s edge of E      |          |            | Pacific Coast    | Los Cerritos  |
| 116   | Los Cerritos Channel   | SOUTH  | 180701020201           | WARM, WILD           | 42.03    | 1.9508  | 33.78856 | -118.103555 |                    | 33.76514 | -118.11218 | Hwy              | Channel       |
|       |                        |        |                        |                      |          |         |          |             | d/s end of         |          |            |                  |               |
|       |                        |        |                        |                      |          |         |          |             | concreted          |          |            |                  | Centinela     |
| 117   | Centinela Creek        | SOUTH  | 180701040009           | Not listed.          | 1.5214   | 0.036   | 33.97927 | -118.424174 | Centinela Creek    | 33.97932 | -118.42478 | Conflunce        | Creek         |
|       |                        |        |                        |                      |          |         |          |             |                    |          |            |                  |               |
|       |                        |        |                        | MUN, REC-1, REC-2,   |          |         |          |             | 300' e/o Brooktree |          |            |                  | Rustic Canyon |
| 118   | Rustic Canyon Channel  | SOUTH  | 180701040402           | WARM, WILD           | 1.1359   | 0.6008  | 34.04314 | -118.513261 | Rd & Ranch Ln      | 34.03545 | -118.51773 | W Rustic Rd      | Channel       |
|       |                        |        |                        |                      |          |         |          |             |                    |          |            | 300' e/o         |               |
|       |                        |        |                        | MUN, REC-1, REC-2,   |          |         |          |             |                    |          |            | Brooktree Rd &   |               |
| 119   | Rivas Canyon Channel   | SOUTH  | 180701040402           | WARM, WILD           | 0.8498   | 0.218   | 34.0461  | -118.513788 | W Sunset Blvd      | 34.04314 | -118.51326 | Ranch Ln         | Channel       |
|       |                        |        |                        |                      |          |         |          |             |                    |          |            |                  |               |
|       |                        |        |                        | MUN, IND, PROC,      |          |         |          |             |                    |          |            |                  |               |
|       |                        |        |                        | AGR, GWR, FRSH,      |          |         |          |             |                    |          |            |                  |               |
|       |                        |        |                        | REC-1, REC-2, WARM,  |          |         |          |             |                    |          |            | 90' u/s edge of  | Santa Clara   |
| 120   | Jake's Way             | WEST   | 180701020107           | WILD, RARE, WET      | 1.2624   | 0.228   | 34.41396 | -118.444159 | Woodfall Rd        | 34.41377 | -118.44093 | 14 Frwy          | River         |
|       |                        |        |                        | MUN, IND, PROC,      |          |         |          |             |                    |          |            |                  |               |
|       |                        |        |                        | AGR, GWR, FRSH,      |          |         |          |             |                    |          |            |                  |               |
|       |                        |        |                        | REC-1, REC-2, WARM,  |          |         |          |             |                    |          |            | 830' d/s edge of | San           |
|       |                        |        |                        | WILD, RARE, SPWN,    |          |         |          |             | 225' u/s edge of   |          |            | Newhall Ranch    | Francisquito  |
| 121   | San Francisquito Creek | WEST   | 180701020402           | WET                  | 6.1735   | 0.217   | 34.43525 | -118.561165 | Newhall Ranch Rd   | 34.43227 | -118.56239 | Rd               | Creek         |

AGR Agricultural Supply (AGR) - Includes uses of water for farming, horticulture, or ranching including, but not limited to, irrigation, stock watering, or support of vegetation for range grazing. Cold Freshwater Habitat (COLD) - Includes uses of water that support cold water ecosystems including, but not limited to, preservation or enhancement of aquatic habitats, vegetation, fish or wildlife,

COLD including invertebrates. Commercial and Sport Fishing (COMM) - Includes the uses of water for commercial or recreational collection of fish, shellfish, or other organisms including, but not limited to, uses involving organisms COMM intended for human consumption or bait purposes.

Estuarine Habitat (EST) - Includes uses of water that support estuarine ecosystems including, but not limited to, preservation or enhancement of estuarine habitats, vegetation, fish, shellfish, or wildlife EST (e.g., estuarine mammals, waterfowl, shorebirds).

FRSH Freshwater Replenishment (FRSH) - Includes uses of water for natural or artificial maintenance of surface water quantity or quality (e.g., salinity).

Ground Water Recharge (GWR) - Includes uses of water for natural or artificial recharge of ground water for purposes of future extraction, maintenance of water quality, or halting of saltwater intrusion GWR into freshwater aquifers.

Soft-Bottom Channels Reaches 1-121

Reach List and Locations Table - April 9, 2018

|              |   |                |                      |   | Reach List     |                   | uns rable - Api | 11 9, 2010       |                         |               |
|--------------|---|----------------|----------------------|---|----------------|-------------------|-----------------|------------------|-------------------------|---------------|
| Reach<br>No. | Waters Name   | LACFCD<br>Area | Hydrological<br>Code | Beneficial Uses   | Area<br>(acre) | Length<br>(miles) | Latitude        | Longitude        | Cross streets           | Latitude      |
| IND          | Industrial Service Supply conveyance, gravel was        |                |                      | ater for industrial activities<br>ell re-pressurization.              | that do n      | ot depen          | d primarily o   | n water quality  | r including, but not li | mited to, m   |
| MAR          | Marine Habitat (MAR) - I<br>wildlife (e.g., marine mar  |                |                      | support marine ecosystem  | s includin     | ng, but no        | t limited to,   | preservation o   | enhancement of m        | arine habit   |
|              | Migration of Aquatic Org                                | anisms (MIC    | GR) - Includes us    | ses of water that support h   | nabitats n     | ecessary          | for migratio    | n, acclimatizat  | ion between fresh a     | nd salt wat   |
|              | organisms, such as anac                                 |                |                      |   |                |                   |                 |                  |                         |               |
| MUN          | Municipal and Domestic                                  | Supply (ML     | IN) - Includes us    | es of water for community   | , military,    | or individ        | dual water s    | upply systems    | including, but not lir  | nited to, dri |
| NAV          | Navigation (NAV) - Inclue                               | des uses of    | water for shippir    | ng, travel, or other transpo  | rtation by     | / private,        | military, or c  | commercial ves   | ssels.                  |               |
| ND           | (definition not found)                                  |                |                      |   |                |                   |                 |                  |                         |               |
| PROC         |   | • • • /        |                      | water for industrial activit  |                |                   |                 |                  |                         |               |
| RARE         | Rare, Threatened, or En established under state         | •              | • • • •              | <ul> <li>Includes uses of water th<br/>ened or endangered.</li> </ul> | at suppo       | rt habitats       | s necessary,    | at least in par  | t, for the survival an  | d successf    |
| REC-1        |   | • • •          |                      | of water for recreational ac<br>SCUBA diving, surfing, wl             |                | -                 | •               |                  | -                       | er is reasor  |
|              | Non-contact Water Recr                                  | eation (REC    | C-2) - Includes th   | e uses of water for recrea  | tional act     | ivities inv       | olving proxi    | mity to water, k | out not normally invo   | • •           |
| REC-2        |   |                |                      | t limited to, picnicking, sur<br>er that support habitats su          | •              | •                 |                 |                  |                         |               |
| SHELL        | sport purposes.<br>Spawning, Reproduction               | . and/or Ea    | rlv Development      | (SPWN) - Includes uses (  | of water t     | hat suppo         | ort high qual   | itv habitats sui | table for reproduction  | on. earlv de  |
| SPWN         | and/or cold freshwater fi                               | sh.            |                      |   |                |                   |                 | -                |                         | •             |
| WARM         | wildlife, including inverte                             | · /            | - includes uses c    | of water that support warm  | i water et     | cosystem          | s including,    | but not iimited  | to, preservation or e   | ennanceme     |
| WET          | (definition not found)                                  |                |                      |   |                |                   |                 |                  |                         |               |
| WILD         | Wildlife Habitat (WILD) -<br>birds, reptiles, amphibiar |                |                      | support terrestrial ecosys water and food sources.                    | tems incl      | uding, bu         | t not limited   | to, preservatio  | n and enhancemen        | t of terrestr |

| le | Longitude | Cross Streets | Local    |
|----|-----------|---------------|----------|
|    | Longitude | CIUSS SILEEIS | Waterway |

mining, cooling water supply, hydraulic

bitats, vegetation such as kelp, fish, shellfish, or

ater, or other temporary activities by aquatic

drinking water supply.

- sful maintenance of plant or animal species
- onably possible. These uses include, but are not
- y contact with water, where ingestion of water is e study, hunting, sightseeing, or aesthetic nussels) for human consumption, commercial, or
- levelopment and sustenance of marine fish
- nent of aquatic habitats, vegetation, fish or

strial habitats, vegetation, wildlife (e.g., mammals,

# ATTACHMENT B

# ACREAGE SUMMARY TABLE

| REACH<br># | REACH NAME                                     | Length (miles) | Reach Limits <sup>(1)</sup><br>(acre) | New Veg <sup>(2)</sup><br>(acre) | Impacts <sup>(3)</sup><br>(acre) |
|------------|--|----------------|---------------------------------------|----------------------------------|----------------------------------|
|            | Bell Creek- MTD 963 M.C.I.                     | 0.01           | 0.82                                  | 0.6                              | TBD                              |
|            | Dry Canyon (Calabasas) PD T1845                | 0.26           | 1.04                                  |                                  | TBD                              |
| 3          | Santa Susana Creek M.C.I.                      | 0.01           | 0.02                                  |                                  | TBD                              |
| 4          | Browns Creek                                   | 0.12           | 1.14                                  |                                  | TBD                              |
| 5          | Caballero Creek M.C.I. (West Fork)             | 0.15           | 1.86                                  |                                  | TBD                              |
| 6          | Caballero Creek M.C.I. (East Fork)             | 0.03           | 0.55                                  |                                  | TBD                              |
| 7          | Bull Creek M.C.O.                              | 0.05           | 0.60                                  | 0.1                              | TBD                              |
| 8          | Hayvenhurst Drain -Project 470 Outlet          | 0.04           | 0.35                                  |                                  | TBD                              |
| 9          | Project 106 Outlet                             | 0.01           | 0.07                                  |                                  | TBD                              |
| 10         | Project No. 469                                | 0.77           | 6.88                                  |                                  | TBD                              |
| 11         | [no longer LACFCD jurisdiction]                |                |                                       |                                  |                                  |
| 12         | Haines Canyon M.C.O.                           | 0.08           | 0.37                                  |                                  | TBD                              |
| 13         | Project No. 5215 Unit 1                        | 0.10           | 0.57                                  |                                  | TBD                              |
| 14         | May Channel (M.C.O. Into Pacoima Canyon)       | 0.10           | 0.43                                  |                                  | TBD                              |
| 15         | Pacoima Wash                                   | 0.88           | 8.05                                  |                                  | TBD                              |
| 16         | Verdugo Wash-Las Barras Canyon (channel inlet) | 0.02           | 0.06                                  |                                  | TBD                              |
|            | [no longer LACFCD jurisdiction]                |                |                                       |                                  |                                  |
| 18         | Engleheard Channel                             | 0.14           | 1.03                                  | 0.27                             | TBD                              |
|            | Pickens Canyon                                 | 0.47           | 6.13                                  | 4.02                             | TBD                              |
| 20         | Webber Channel (Storm at Private Bridge)       | 0.02           | 0.14                                  | 0.01                             | TBD                              |
| 21         | Webber Channel (Main Channel Inlet d/s Bridge) | 0.00           | 0.02                                  | 0.01                             | TBD                              |
| 22         | Halls Canyon                                   | 0.45           | 5.07                                  | 4.53                             | TBD                              |
| 23         | [no longer LACFCD jurisdiction]                |                |                                       |                                  |                                  |
| 24         | Compton Creek                                  | 2.27           | 58.91                                 | 32.1                             | TBD                              |
| 25         | Los Angeles River - Willow to PCH              | 0.96           | 72.91                                 | 26.2                             | TBD                              |
| 25b        | Los Angeles River - Willow to PCH              | 0.97           |                                       |                                  | TBD                              |
| 26         | Project 740                                    | 0.18           | 3.93                                  |                                  | TBD                              |
| 27         | Wilmington Drain                               | 0.55           | 13.96                                 |                                  | TBD                              |
| 28         | Triunfo Creek (PD T2200)                       | 0.06           | 1.27                                  |                                  | TBD                              |
| 29         | Las Virgenes Creek (PD T1684) M.C.I.           | 0.06           | 1.05                                  | 0.18                             | TBD                              |
|            | [no longer LACFCD jurisdiction]                |                |                                       |                                  |                                  |
| 31         | [no longer LACFCD jurisdiction]                |                |                                       |                                  |                                  |

## Notes:

(1) <u>Reach Limits</u>: Include top-of-bank to top-of-bank and do not include access roads. This generally coincides with CDFW jurisdiction.

(2) <u>New Veg:</u> Areas that will have increased native vegetation based upon approved Feasibility Study recommendations.
 (3) <u>Impacts:</u> All acres of impacts that are not already designated as a Modified Preserved Polygon or as a developed area (e.g. concrete levee).

| REACH |   | Longth (miles) | Reach Limits <sup>(1)</sup> | New Veg <sup>(2)</sup> | Impacts <sup>(3)</sup> |
|-------|---|----------------|-----------------------------|------------------------|------------------------|
| #     | REACH NAME  | Length (miles) | (acre)                      | (acre)                 | (acre)                 |
| 32    | Stokes Canyon Channel (PD T043)                       | 0.41           | 2.96                        | 0.16                   | TBD                    |
| 33    | Medea Creek (PD T1378 U.2)                            | 0.16           | 1.09                        |                        | TBD                    |
| 34    | [no longer LACFCD jurisdiction]                       |                |                             |                        |                        |
| 35    | Medea Creek M.C.Iunder Route 101                      | 0.02           | 0.23                        |                        | TBD                    |
| 36    | Cheseboro Main Channel Inlet                          | 0.01           | 0.09                        |                        | TBD                    |
| 37    | Medea Creek/Cheseboro Creek Outlet                    | 0.04           | 0.57                        |                        | TBD                    |
| 38    | Lindero M.C.O.  | 0.02           | 0.12                        |                        | TBD                    |
| 39    | Beatty Channel Outlet at SGR 25+99.00                 | 0.08           | 0.64                        |                        | TBD                    |
| 40a   | San Gabriel River – Santa Fe Dam to I-10 Freeway      | 3.98           | 195.46                      |                        | TBD                    |
| 40b   | San Gabriel River – I-10 Freeway to Thienes Avenue    | 2.34           | 145.55                      |                        | TBD                    |
| 41    | Walnut Creek  | 1.15           | 51.52                       |                        | TBD                    |
|       |   |                |                             |                        |                        |
| 42    | San Jose Creek d/s 1000' from end of concrete channel | 0.14           | 3.91                        |                        | TBD                    |
| 43a   | San Gabriel River- Upper                              | 0.60           | 53.54                       |                        | TBD                    |
| 43b   | San Gabriel River- Lower                              | 0.58           | 24.93                       |                        | TBD                    |
| 44    | San Gabriel River - Rubber Dams                       | 5.85           | 230.21                      |                        | TBD                    |
| 45    | Sand Canyon (PD T1307) Main Channel Inlet             | 0.02           | 0.05                        |                        | TBD                    |
| 46    | Sand Canyon (PD T1307) Main Channel Outlet            | 0.02           | 0.06                        |                        | TBD                    |
| 47    | Santa Clara River Main Channel (PD T1733-Unit 1)      | 0.30           | 16.77                       |                        | TBD                    |
|       | Mint Canyon Channel between Sierra Highway & Adon     |                |                             |                        |                        |
| 48    | Avenue  | 0.47           | 2.49                        |                        | TBD                    |
|       | Mint Canyon Channel between Adon Avenue &             |                |                             |                        |                        |
|       | Scherzinger Lane                                      | 0.07           | 0.44                        |                        | TBD                    |
| 50    | Mint Canyon Channel between Solamint & Soledad        | 0.14           | 1.09                        |                        | TBD                    |
|       | Mint Canyon M.C.O. (PD 1894)/Santa Clara River – Main |                |                             |                        |                        |
| 51    | Channel   | 0.16           | 9.97                        |                        | TBD                    |
| 52    | Sierra Highway Road Drainage (CDR 523.203)            | 0.15           | 0.35                        |                        | TBD                    |
|       | Santa Clara River Non-Main Channel (PD 832) Main      |                |                             |                        |                        |
| 53    | Channel Inlet   | 0.01           | 0.02                        |                        | TBD                    |
|       | Santa Clara River Non-Main Channel (PD 832) Main      |                |                             |                        |                        |
| 54    | Channel Outlet  | 0.07           | 0.56                        |                        | TBD                    |

## Notes:

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 (3) <u>Impacts:</u> All acres of impacts that are not already designated as a Modified Preserved Polygon or as a developed area (e.g. concrete levee).

| REACH<br># | REACH NAME   | Length (miles) | Reach Limits <sup>(1)</sup><br>(acre) | New Veg <sup>(2)</sup><br>(acre) | Impacts <sup>(3)</sup><br>(acre) |
|------------|--|----------------|---------------------------------------|----------------------------------|----------------------------------|
|            | Santa Clara River Main Channel – Right Bank Reach    |                |                                       |                                  |                                  |
| 55         | (PD's 910, 832, 1758, & 1562 Unit 2)                 | 0.66           | 20.41                                 |                                  | TBD                              |
|            | Santa Clara River Main Channel – Left Bank Reach (PD |                |                                       |                                  |                                  |
| 56         | 832)   | 0.45           | 13.91                                 |                                  | TBD                              |
| 57         | Whites Canyon (PD T704 M.C.I.)                       | 0.12           | 1.66                                  |                                  | TBD                              |
|            | Santa Clara River Main Channel – Right Bank Reach    |                |                                       |                                  |                                  |
| 58         | (PD 374)   | 0.47           | 6.75                                  |                                  | TBD                              |
| 59         | [no longer LACFCD jurisdiction]                      |                |                                       |                                  |                                  |
|            | Santa Clara River Main Channel – Right Bank Reach    |                |                                       |                                  |                                  |
| 60         | (PD's 1339 and 374)                                  | 0.61           | 6.10                                  |                                  | TBD                              |
| 61         | Santa Clara River Main Channel (PD 659 & 754)        | 0.89           | 38.76                                 |                                  | TBD                              |
| 62         | [no longer LACFCD jurisdiction]                      |                |                                       |                                  |                                  |
| 63         | Oak Ave Road Drainage (CDR 523.081)                  | 0.17           | 0.86                                  |                                  | TBD                              |
| 64         | Soledad Canyon Road Drain (CDR 523.071 D outlet)     | 0.11           | 1.02                                  |                                  | TBD                              |
| 65         | [no longer LACFCD jurisdiction]                      |                |                                       |                                  |                                  |
| 66         | Santa Clara River Main Channel (PD 1538)             | 0.15           | 0.96                                  |                                  | TBD                              |
|            | Bouquet Canyon Upper (PD's 1201, 802, 700B, & 625)   | 1.23           | 18.52                                 |                                  | TBD                              |
| 68         | [no longer LACFCD jurisdiction]                      |                |                                       |                                  |                                  |
|            | Bouquet Canyon Middle (PD's 722, 773, 1365, 1065, &  |                |                                       |                                  |                                  |
|            | 451)   | 1.39           | 20.99                                 |                                  | TBD                              |
| 70         | Bouquet Canyon Lower (PD's 544 & 345)                | 0.49           | 8.53                                  |                                  | TBD                              |
| 71         | Santa Clara River Main Channel (PD 1946)             | 0.04           | 0.66                                  |                                  | TBD                              |
| 72         | South Fork- SCR (Smizer Ranch M.C.I.)                | 0.02           | 0.20                                  |                                  | TBD                              |
|            | Wildwood Canyon Channel (PD T361) Main Channel       |                |                                       |                                  |                                  |
| 73         | Inlet  | 0.02           | 0.05                                  |                                  | TBD                              |
| 74         | [no longer LACFCD jurisdiction]                      |                |                                       |                                  |                                  |
|            | South Fork-Santa Clara River (PD's 725, 916, 1041,   |                |                                       |                                  |                                  |
| 75         | &1300)   | 2.63           | 108.97                                |                                  | TBD                              |
| 76         | Pico Canyon (PD 813)                                 | 0.76           | 6.57                                  |                                  | TBD                              |
| 77         | Newhall Creek Outlet                                 | 0.40           | 3.09                                  |                                  | TBD                              |

## Notes:

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 <u>New Veg:</u> Areas that will have increased native vegetation based upon approved Feasibility Study recommendations.
 <u>Impacts:</u> All acres of impacts that are not already designated as a Modified Preserved Polygon or as a developed area (e.g. concrete levee).

| REACH<br># | REACH NAME   | Length (miles) | Reach Limits <sup>(1)</sup><br>(acre) | New Veg <sup>(2)</sup><br>(acre) | Impacts <sup>(3)</sup><br>(acre) |
|------------|--|----------------|---------------------------------------|----------------------------------|----------------------------------|
| 78         | Placerita Creek  | 0.04           | 0.45                                  |                                  | TBD                              |
|            | South Fork- Santa Clara River (Valencia Boulevard                            |                |                                       |                                  |                                  |
| 79         | Bridge Stabilizer)   | 0.03           | 0.82                                  |                                  | TBD                              |
| 80         | South Fork-Santa Clara River (PD's 1947 & 1946)                              | 0.53           | 9.75                                  |                                  | TBD                              |
| 81         | [no longer LACFCD jurisdiction]  |                |                                       |                                  |                                  |
| 82         | Santa Clara River Main Channel (PD 2278)                                     | 0.17           | 5.33                                  | 4.38                             | TBD                              |
| 83         | [no longer LACFCD jurisdiction]  |                |                                       |                                  |                                  |
| 84         | [no longer LACFCD jurisdiction]  |                |                                       |                                  |                                  |
| 85         | [no longer LACFCD jurisdiction]  |                |                                       |                                  |                                  |
| 86         | Violin Canyon Main Channel Outlet  | 0.19           | 4.92                                  |                                  | TBD                              |
| 87         | Castaic- Old Road Drainage (CDR 525.021D) Outlet                             | 0.03           | 0.29                                  |                                  | TBD                              |
| 88         | Hasley Canyon Upper (PD T1496)   | 0.18           | 1.09                                  |                                  | TBD                              |
| 89         | Hasley Canyon South Fork (PD T1496)  | 0.07           | 1.19                                  |                                  | TBD                              |
| 90         | Hasley Canyon Lower (North Fork PD T1496)                                    | 0.19           | 1.11                                  |                                  | TBD                              |
| 91         | San Martinez Chiquito Canyon Channel u/s of<br>Keningston Road               | 0.11           | 0.51                                  |                                  | TBD                              |
| 92         | San Martinez Chiquito Canyon (North Fork) unnamed                            | 0.14           | 0.34                                  |                                  | TBD                              |
| 93         | San Martinez Chiquito Canyon between Keningston<br>Road and Val Verde Park   | 0.20           | 0.91                                  |                                  | TBD                              |
| 94         | San Martinez Chiquito Canyon between Val Verde Park to d/s of Madison Street | 0.46           | 1.54                                  |                                  | TBD                              |

Notes:

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 <u>New Veg:</u> Areas that will have increased native vegetation based upon approved Feasibility Study recommendations.
 <u>Impacts:</u> All acres of impacts that are not already designated as a Modified Preserved Polygon or as a developed area (e.g. concrete levee).

| REACH<br># | REACH NAME                                    | Length (miles) | Reach Limits <sup>(1)</sup><br>(acre) | New Veg <sup>(2)</sup><br>(acre) | Impacts <sup>(3)</sup><br>(acre) |
|------------|---|----------------|---------------------------------------|----------------------------------|----------------------------------|
| 95         | Project No. 1224                              | 0.35           | 3.14                                  |                                  | TBD                              |
| 96         | PD 1591, Calabasas                            | 0.09           | 0.87                                  |                                  | TBD                              |
| 97         | PD T1982, Castaic Creek                       | 0.31           | 1.58                                  |                                  | TBD                              |
| 98         | Walnut Creek – Channel Inlet                  | 0.01           | 0.19                                  |                                  | TBD                              |
| 99         | Kagel Canyon – Tujunga Wash                   | 0.90           | 1.61                                  |                                  | TBD                              |
| 100        | Dry Canyon, Calabasas Creek Inlet             | 0.02           | 0.05                                  |                                  | TBD                              |
| 101        | Violin Canyon (PD 2312)                       | 0.32           | 6.07                                  |                                  | TBD                              |
| 102        | Violin Canyon (PD 2275)                       | 0.23           | 3.18                                  |                                  | TBD                              |
| 103        | Bouquet Canyon Channel (PD 2225)              | 0.27           | 10.75                                 |                                  | TBD                              |
|            | Castaic Creek (PD 2441 Unit 2)                | 0.40           | 6.06                                  |                                  | TBD                              |
| 105        | San Francisquito Canyon Channel (PD 2456)     | 0.15           | 1.07                                  |                                  | TBD                              |
| 106        | [no longer LACFCD jurisdiction]               |                |                                       |                                  |                                  |
|            | [no longer LACFCD jurisdiction]               |                |                                       |                                  |                                  |
| 108        | Pico Canyon ( PD 2528)                        |                | 4.99                                  |                                  | TBD                              |
|            | Santa Clara River - South Bank West of Mcbean |                |                                       |                                  |                                  |
|            | Parkway (MTD1510)                             | 0.07           | 0.62                                  |                                  | TBD                              |
| 110        | Hasley Canyon Channel (PD2262)                | 0.71           | 10.06                                 |                                  | TBD                              |
|            | [no longer LACFCD jurisdiction]               |                |                                       |                                  |                                  |
| 112        | Ballona Creek                                 | 2.57           | 97.33                                 |                                  | TBD                              |
|            | Dominguez Channel                             | 8.27           | 203.75                                |                                  | TBD                              |
|            | Los Angeles River                             | 1.80           | 126.24                                |                                  | TBD                              |
| 115        | San Gabriel River                             | 3.93           | 163.90                                |                                  | TBD                              |
| _          | Los Cerritos Channel                          | 1.95           | 42.03                                 |                                  | TBD                              |
| 117        | Centinela Creek                               | 0.04           | 1.52                                  |                                  | TBD                              |
|            | Rustic Canyon Channel                         | 0.60           | 1.14                                  |                                  | TBD                              |
|            | Rivas Canyon Channel                          | 0.22           | 0.85                                  |                                  | TBD                              |
|            | Jake's Way                                    | 0.23           | 1.26                                  |                                  | TBD                              |
| 121        | San Francisquito Creek                        | 0.22           | 6.17                                  |                                  | TBD                              |

Notes:

(1) <u>Reach Limits</u>: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

(2) New Veg: Areas that will have increased native vegetation based upon approved Feasibility Study recommendations.

(3) Impacts: All acres of impacts that are not already designated as a Modified Preserved Polygon or as a developed area (eg. concrete levee).

# ATTACHMENT C

# **BIOLOGICAL PERMITTING SUMMARY TABLE**

| REACH<br># | REACH NAME                                  | USACE<br>SENSITIVE<br>REACH | PLANT | FISH                                   | BIRD  | OTHER<br>WILDLIFE | PO<br>AF<br>S    |
|------------|---|-----------------------------|-------|--|---|-------------------|------------------|
| 1          | Bell Creek- MTD 963<br>M.C.I.               | Non-<br>sensitive           |       |  |   |                   |                  |
| 2          | Dry Canyon<br>(Calabasas) PD T1845          | Non-<br>sensitive           |       |  |   |                   |                  |
| 3          | Santa Susana Creek<br>M.C.I.                | Non-<br>sensitive           |       |  |   |                   |                  |
| 4          | Browns Creek                                | Non-<br>sensitive           |       |  | 2015 USACE NWP lists potential for<br>California gnatcatcher (FE)   |                   |                  |
| 5          | Caballero Creek M.C.I.<br>(West Fork)       | Non-<br>sensitive           |       |  |   |                   |                  |
| 6          | Caballero Creek M.C.I.<br>(East Fork)       | Non-<br>sensitive           |       |  |   |                   |                  |
| 7          | Bull Creek M.C.O.                           | Sensitive                   |       |  | Potential for least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE)  |                   | May af<br>to adv |
| 8          | Hayvenhurst Drain -<br>Project 470 Outlet   | Non-<br>sensitive           |       |  |   |                   |                  |
| 9          | Project 106 Outlet                          | Non-<br>sensitive           |       |  |   |                   |                  |
| 10         | Project No. 469                             | Non-<br>sensitive           |       |  |   |                   |                  |
| 11         | [no longer LACFCD<br>jurisdiction]          |                             |       |  |   |                   |                  |
| 12         | Haines Canyon<br>M.C.O.                     | Sensitive                   |       | Potential for Santa<br>Ana sucker (FE) | Potential for least Bell's vireo (FE/SE),<br>southwestern willow flycatcher (FE/SE);<br>2015 USACE NWP lists potential for<br>California gnatcatcher (FE)   |                   | May af<br>to adv |
| 13         | Project No. 5215 Unit<br>1                  | Non-<br>sensitive           |       |  | 2015 USACE NWP lists potential for<br>California gnatcatcher (FE)   |                   |                  |
| 14         | May Channel (M.C.O.<br>Into Pacoima Canyon) | Sensitive                   |       |  | Known occupation by least Bell's vireo<br>(FE/SE); potential for southwestern willow<br>flycatcher (FE/SE), yellow-billed cuckoo<br>(FE); 2015 USACE NWP lists potential for<br>California gnatcatcher (FE) |                   | May af<br>to adv |
| 15         | Pacoima Wash                                | Non-<br>sensitive           |       |  |   |                   |                  |

| OTENTIAL<br>FFECT TO<br>SPECIES      | CRITICAL<br>HABITAT                 | POTENTIAL<br>AFFECT ON<br>CRIT. HAB.               |
|--------------------------------------|-------------------------------------|--|
|                                      |                                     |  |
|                                      |                                     |  |
|                                      |                                     |  |
|                                      |                                     | Not likely to<br>destroy or<br>adversely<br>modify |
|                                      |                                     |  |
|                                      |                                     |  |
| affect not likely<br>dversely affect |                                     |  |
|                                      |                                     |  |
|                                      |                                     |  |
|                                      |                                     |  |
|                                      |                                     |  |
| affect not likely<br>dversely affect | N/A (near<br>SAS but not<br>within) |  |
|                                      |                                     |  |
| affect not likely<br>dversely affect |                                     |  |
|                                      |                                     |  |

| REACH<br># | REACH NAME   | USACE<br>SENSITIVE<br>REACH | PLANT | FISH | BIRD   | OTHER<br>WILDLIFE                       | POTENTIAL<br>AFFECT TO<br>SPECIES         | CRITICAL<br>HABITAT                 | POTENTIAL<br>AFFECT ON<br>CRIT. HAB. |
|------------|--|-----------------------------|-------|------|--|---|---|-------------------------------------|--------------------------------------|
|            | Verdugo Wash-Las<br>Barras Canyon<br>(channel inlet) | Non-<br>sensitive           |       |      |  |   |   |                                     |                                      |
|            | [no longer LACFCD jurisdiction]                      |                             |       |      |  |   |   |                                     |                                      |
| 18         | Engleheard Channel                                   | Non-<br>sensitive           |       |      |  |   |   |                                     |                                      |
| 19         | Pickens Canyon                                       | Non-<br>sensitive           |       |      |  |   |   |                                     |                                      |
| 20         | Webber Channel<br>(Storm at Private<br>Bridge)       | Non-<br>sensitive           |       |      |  |   |   |                                     |                                      |
|            | Webber Channel<br>(Main Channel Inlet<br>d/s Bridge) | Non-<br>sensitive           |       |      |  |   |   |                                     |                                      |
| 22         | Halls Canyon   | Non-<br>sensitive           |       |      |  |   |   |                                     |                                      |
| 23         | [no longer LACFCD jurisdiction]                      |                             |       |      |  |   |   |                                     |                                      |
| 24         | Compton Creek  | Non-<br>sensitive           |       |      |  |   |   |                                     |                                      |
|            | Los Angeles River -<br>Willow to PCH                 | Non-<br>sensitive           |       |      |  |   |   |                                     |                                      |
|            | Los Angeles River -<br>Willow to PCH                 | Non-<br>sensitive           |       |      |  |   |   |                                     |                                      |
|            | Project 740  | Non-<br>sensitive           |       |      |  |   |   |                                     |                                      |
| 27         | Wilmington Drain                                     | Sensitive                   |       |      | Known territory for least Bell's vireo<br>(FE/SE); potential for southwestern willow<br>flycatcher (FE/SE), yellow-billed cuckoo<br>(FE) |   | May affect not likely to adversely affect |                                     |                                      |
| 28         | Triunfo Creek (PD<br>T2200)                          | Sensitive                   |       |      | Potential for least Bell's vireo (FE/SE), southwestern willow flycatcher (FE/SE)   | Potential for<br>western pond<br>turtle | May affect not likely to adversely affect |                                     |                                      |
|            | Las Virgenes Creek<br>(PD T1684) M.C.I.              | Non-<br>sensitive           |       |      | 2015 USACE NWP lists potential for<br>California gnatcatcher (FE)  | Potential for<br>western pond<br>turtle |   | N/A (near<br>SAS but not<br>within) |                                      |
|            | [no longer LACFCD jurisdiction]                      |                             |       |      |  |   |   |                                     |                                      |
| 31         | [no longer LACFCD<br>jurisdiction]                   |                             |       |      |  |   |   |                                     |                                      |
| 32         | Stokes Canyon<br>Channel (PD T043)                   | Non-<br>sensitive           |       |      |  |   |   |                                     |                                      |

| REACH<br># | REACH NAME  | USACE<br>SENSITIVE<br>REACH | PLANT | FISH                                   | BIRD   | OTHER<br>WILDLIFE                       | POTENTIAL<br>AFFECT TO<br>SPECIES         | CRITICAL<br>HABITAT | POTENTIAL<br>AFFECT ON<br>CRIT. HAB.               |
|------------|---|-----------------------------|-------|--|--|---|---|---------------------|--|
| 33         | Medea Creek (PD<br>T1378 U.2)                               | Non-<br>sensitive           |       |  |  | Potential for<br>western pond<br>turtle |   |                     |  |
| - 34       | [no longer LACFCD<br>jurisdiction]                          |                             |       |  |  |   |   |                     |  |
| 1 35       | Medea Creek M.C.I<br>under Route 101                        | Non-<br>sensitive           |       |  |  |   |   |                     |  |
| 36         | Cheseboro Main<br>Channel Inlet                             | Non-<br>sensitive           |       |  |  |   |   |                     |  |
| 37         | Medea<br>Creek/Cheseboro<br>Creek Outlet                    | Non-<br>sensitive           |       |  |  |   |   |                     |  |
| 38         | Lindero M.C.O.  | Non-<br>sensitive           |       |  |  |   |   |                     |  |
|            | Beatty Channel Outlet<br>at SGR 25+99.00                    | Sensitive                   |       | Potential for Santa<br>Ana sucker (FE) | Known territory for least Bell's vireo<br>(FE/SE); potential for southwestern willow<br>flycatcher (FE/SE), yellow-billed cuckoo<br>(FE) |   | May affect not likely to adversely affect |                     | Not likely to<br>destroy or<br>adversely<br>modify |
|            | San Gabriel River –<br>Santa Fe Dam to I-10<br>Freeway      | Non-<br>sensitive           |       |  |  |   |   |                     |  |
| 40b        | San Gabriel River – I-<br>10 Freeway to Thienes<br>Avenue   | Sensitive                   |       |  | Known territory for least Bell's vireo<br>(FE/SE); potential for southwestern willow<br>flycatcher (FE/SE), yellow-billed cuckoo<br>(FE) |   | May affect not likely to adversely affect |                     |  |
| 41         | Walnut Creek  | Non-<br>sensitive           |       |  |  |   |   |                     |  |
| 42         | San Jose Creek d/s<br>1000' from end of<br>concrete channel | Non-<br>sensitive           |       |  |  |   |   |                     |  |
| 43a        | San Gabriel River-<br>Upper                                 | Sensitive                   |       |  | Known territory for least Bell's vireo<br>(FE/SE); potential for southwestern willow<br>flycatcher (FE/SE), yellow-billed cuckoo<br>(FE) |   | May affect not likely to adversely affect |                     |  |
| 4.30       | San Gabriel River-<br>Lower                                 | Sensitive                   |       |  | Known territory for least Bell's vireo<br>(FE/SE); potential for southwestern willow<br>flycatcher (FE/SE)                               |   | May affect not likely to adversely affect |                     |  |
| 44         | San Gabriel River -<br>Rubber Dams                          | Non-<br>sensitive           |       |  |  |   |   |                     |  |
| 45         | Sand Canyon (PD<br>T1307) Main Channel<br>Inlet             | Non-<br>sensitive           |       |  |  |   |   |                     |  |

| REACH<br># | REACH NAME   | USACE<br>SENSITIVE<br>REACH | PLANT | FISH  | BIRD | OTHER<br>WILDLIFE | POTENTIAL<br>AFFECT TO<br>SPECIES         | CRITICAL<br>HABITAT | POTENTIAL<br>AFFECT ON<br>CRIT. HAB. |
|------------|--|-----------------------------|-------|---|------|-------------------|---|---------------------|--------------------------------------|
| 46         | Sand Canyon (PD<br>T1307) Main Channel<br>Outlet   | Non-<br>sensitive           |       |   |      |                   |   |                     |                                      |
| 47         | Santa Clara River<br>Main Channel (PD<br>T1733-Unit 1)   | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) |      |                   | May affect not likely to adversely affect |                     |                                      |
| 48         | Mint Canyon Channel<br>between Sierra<br>Highway & Adon<br>Avenue                                  | Non-<br>sensitive           |       |   |      |                   |   |                     |                                      |
| 49         | Mint Canyon Channel<br>between Adon Avenue<br>& Scherzinger Lane                                   | Non-<br>sensitive           |       |   |      |                   |   |                     |                                      |
| 50         | Mint Canyon Channel<br>between Solamint &<br>Soledad   | Sensitive                   |       | 2015 USACE NWP<br>lists potential for UTS<br>(FE/SE)            |      |                   |   |                     |                                      |
| 51         | Mint Canyon M.C.O.<br>(PD 1894)/Santa Clara<br>River – Main Channel                                | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) |      |                   | May affect not likely to adversely affect |                     |                                      |
| 52         | Sierra Highway Road<br>Drainage (CDR<br>523.203)   | Non-<br>sensitive           |       |   |      |                   |   |                     |                                      |
|            | Santa Clara River Non-<br>Main Channel (PD<br>832) Main Channel<br>Inlet                           | Non-<br>sensitive           |       |   |      |                   |   |                     |                                      |
| 54         | Santa Clara River Non-<br>Main Channel (PD<br>832) Main Channel<br>Outlet                          | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) |      |                   | May affect not likely to adversely affect |                     |                                      |
|            | Santa Clara River<br>Main Channel – Right<br>Bank Reach (PD's<br>910, 832, 1758, &<br>1562 Unit 2) | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) |      |                   | May affect not likely to adversely affect |                     |                                      |
| 56         | Santa Clara River<br>Main Channel – Left<br>Bank Reach (PD 832)                                    | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) |      |                   | May affect not likely to adversely affect |                     |                                      |

| REACH<br># | REACH NAME   | USACE<br>SENSITIVE<br>REACH | PLANT | FISH  | BIRD | OTHER<br>WILDLIFE | POTENTIAL<br>AFFECT TO<br>SPECIES         | CRITICAL<br>HABITAT | POTENTIAL<br>AFFECT ON<br>CRIT. HAB. |
|------------|--|-----------------------------|-------|---|------|-------------------|---|---------------------|--------------------------------------|
| 57         | Whites Canyon (PD<br>T704 M.C.I.)  | Non-<br>sensitive           |       |   |      |                   |   |                     |                                      |
| 58         | Santa Clara River<br>Main Channel – Right<br>Bank Reach (PD 374)               | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE)       |      |                   | May affect not likely to adversely affect |                     |                                      |
|            | [no longer LACFCD jurisdiction]  |                             |       |   |      |                   |   |                     |                                      |
| 1 611      | Santa Clara River<br>Main Channel – Right<br>Bank Reach (PD's<br>1339 and 374) | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE)       |      |                   | May affect not likely to adversely affect |                     |                                      |
| 61         | Santa Clara River<br>Main Channel (PD 659<br>& 754)                            | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE)       |      |                   | May affect not likely to adversely affect |                     |                                      |
| 62         | [no longer LACFCD<br>jurisdiction]   |                             |       |   |      |                   |   |                     |                                      |
| 63         | Oak Ave Road<br>Drainage (CDR<br>523.081)                                      | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE)       |      |                   | May affect not likely to adversely affect |                     |                                      |
| 64         | Soledad Canyon Road<br>Drain (CDR 523.071 D<br>outlet)                         | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE)       |      |                   | May affect not likely to adversely affect |                     |                                      |
|            | [no longer LACFCD jurisdiction]  |                             |       |   |      |                   |   |                     |                                      |
|            | Santa Clara River<br>Main Channel (PD<br>1538)                                 | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE)       |      |                   | May affect not likely to adversely affect |                     |                                      |
| 67         | Bouquet Canyon<br>Upper (PD's 1201,<br>802, 700B, & 625)                       | Sensitive                   |       | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE)       |      |                   | May affect not likely to adversely affect |                     |                                      |
| 00         | [no longer LACFCD<br>jurisdiction]   |                             |       | , , , , , , , , , , , , , , , , , , ,                                 |      |                   |   |                     |                                      |
| 69         | Bouquet Canyon<br>Middle (PD's 722,<br>773, 1365, 1065, &<br>451)              | Sensitive                   |       | Known occurance for<br>unarmored<br>threespine<br>stickleback (FE/SE) |      |                   | May affect not likely to adversely affect |                     |                                      |

|            |   | USACE              | E  |   |  |                                      | POTENTIAL                                 |                     | POTENTIAL               |
|------------|---|--------------------|--|---|--|--------------------------------------|---|---------------------|-------------------------|
| REACH<br># | REACH NAME  | SENSITIVE<br>REACH | PLANT  | FISH  | BIRD   | OTHER<br>WILDLIFE                    | AFFECT TO<br>SPECIES                      | CRITICAL<br>HABITAT | AFFECT ON<br>CRIT. HAB. |
| 70         | Bouquet Canyon<br>Lower (PD's 544 &<br>345)                                   | Sensitive          |  | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) |  |                                      | May affect not likely to adversely affect |                     |                         |
| 71         | Santa Clara River<br>Main Channel (PD<br>1946)                                | Sensitive          |  | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) | Potential for least Bell's vireo (FE/SE)<br>southwestern willow flycatcher (FE/SE);<br>yellow-billed cuckoo (FE) | Potential for<br>arroyo toad<br>(FE) | May affect not likely to adversely affect |                     |                         |
| 72         | South Fork- SCR<br>(Smizer Ranch M.C.I.)                                      | Non-<br>sensitive  | Known occurrence for<br>California Black Walnut<br>(CRPR List 4.2) |   |  |                                      |   |                     |                         |
| 73         | Wildwood Canyon<br>Channel (PD T361)<br>Main Channel Inlet                    | Non-<br>sensitive  |  |   |  |                                      |   |                     |                         |
| 74         | [no longer LACFCD<br>jurisdiction]  |                    |  |   |  |                                      |   |                     |                         |
| 75         | South Fork-Santa<br>Clara River (PD's 725,<br>916, 1041, &1300)               | Sensitive          | Known occurrence for<br>California Black Walnut<br>(CRPR List 4.2) |   | Potential for least Bell's vireo (FE/SE) southwestern willow flycatcher (FE/SE)                                  | Potential for<br>arroyo toad<br>(FE) | May affect not likely to adversely affect |                     |                         |
| 76         | Pico Canyon (PD 813)  | sensitive          |  |   |  |                                      |   |                     |                         |
| 77         | Newhall Creek Outlet  | Non-<br>sensitive  |  |   |  |                                      |   |                     |                         |
| 78         | Placerita Creek   | Non-<br>sensitive  |  |   |  |                                      |   |                     |                         |
| 79         | South Fork- Santa<br>Clara River (Valencia<br>Boulevard Bridge<br>Stabilizer) | Sensitive          |  | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) | Potential for least Bell's vireo (FE/SE)<br>southwestern willow flycatcher (FE/SE);<br>yellow-billed cuckoo (FE) | Potential for<br>arroyo toad<br>(FE) | May affect not likely to adversely affect |                     |                         |
| 80         | South Fork-Santa<br>Clara River (PD's 1947<br>& 1946)                         | Sensitive          |  | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) | Potential for least Bell's vireo (FE/SE)<br>southwestern willow flycatcher (FE/SE);<br>yellow-billed cuckoo (FE) | Potential for<br>arroyo toad<br>(FE) | May affect not likely to adversely affect |                     |                         |
| 81         | [no longer LACFCD<br>jurisdiction]  |                    |  |   |  |                                      |   |                     |                         |
| 82         | Santa Clara River<br>Main Channel (PD<br>2278)                                | Sensitive          |  | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) | Potential for least Bell's vireo (FE/SE)<br>southwestern willow flycatcher (FE/SE);<br>yellow-billed cuckoo (FE) | Potential for<br>arroyo toad<br>(FE) | May affect not likely to adversely affect |                     |                         |
| 83         | [no longer LACFCD<br>jurisdiction]  |                    |  |   |  |                                      |   |                     |                         |

|            |   | USACE              | CF   |   |  | POTENTIAL                            |   | POTENTIAL           |   |
|------------|---|--------------------|--|---|--|--------------------------------------|---|---------------------|---|
| REACH<br># | REACH NAME  | SENSITIVE<br>REACH | PLANT  | FISH  | BIRD   | OTHER<br>WILDLIFE                    | AFFECT TO<br>SPECIES                      | CRITICAL<br>HABITAT | AFFECT ON<br>CRIT. HAB.                             |
| 84         | [no longer LACFCD<br>jurisdiction]  |                    |  |   |  |                                      |   |                     |   |
| 85         | [no longer LACFCD<br>jurisdiction]  |                    |  |   |  |                                      |   |                     |   |
| 86         | Violin Canyon Main<br>Channel Outlet  | Sensitive          |  | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) | Potential for least Bell's vireo (FE/SE) southwestern willow flycatcher (FE/SE)                                  | Potential for<br>arroyo toad<br>(FE) | May affect not likely to adversely affect |                     |   |
| 87         | Castaic- Old Road<br>Drainage (CDR<br>525.021D) Outlet                                | Sensitive          | Known occurrence for<br>White rabbit-tobacco<br>(CRPR List 2B.2) | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) | Potential for least Bell's vireo (FE/SE)<br>southwestern willow flycatcher (FE/SE);<br>yellow-billed cuckoo (FE) | Potential for<br>arroyo toad<br>(FE) | May affect not likely to adversely affect | ARTO, SWFL          | Not likely to<br>destroy or<br>adversely<br>modify. |
| 88         | Hasley Canyon Upper<br>(PD T1496)   | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |
| 89         | Hasley Canyon South<br>Fork (PD T1496)  | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |
| 90         | Hasley Canyon Lower<br>(North Fork PD T1496)  | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |
| 91         | San Martinez Chiquito<br>Canyon Channel u/s of<br>Keningston Road                     | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |
| 92         | San Martinez Chiquito<br>Canyon (North Fork)<br>unnamed                               | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |
| 93         | San Martinez Chiquito<br>Canyon between<br>Keningston Road and<br>Val Verde Park      | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |
| 94         | San Martinez Chiquito<br>Canyon between Val<br>Verde Park to d/s of<br>Madison Street | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |
| 95         | Project No. 1224  | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |
| 96         | PD 1591, Calabasas  | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |

|            |   | USACE              |  |   |  |                                      | POTENTIAL                                 |                     | POTENTIAL   |
|------------|---|--------------------|--|---|--|--------------------------------------|---|---------------------|---|
| REACH<br># | REACH NAME                                      | SENSITIVE<br>REACH | PLANT  | FISH  | BIRD   | OTHER<br>WILDLIFE                    | AFFECT TO<br>SPECIES                      | CRITICAL<br>HABITAT | AFFECT ON<br>CRIT. HAB.                             |
| 97         | PD T1982, Castaic<br>Creek                      | Sensitive          | Known occurrence for<br>White rabbit-tobacco<br>(CRPR List 2B.2)   | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE)   | Potential for least Bell's vireo (FE/SE)<br>southwestern willow flycatcher (FE/SE);<br>yellow-billed cuckoo (FE)                         | Potential for<br>arroyo toad<br>(FE) | May affect not likely to adversely affect | ARTO, SWFL          | Not likely to<br>destroy or<br>adversely<br>modify  |
| 98         | Walnut Creek –<br>Channel Inlet                 | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |
| 99         | Kagel Canyon –<br>Tujunga Wash                  | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |
| 100        | Dry Canyon,<br>Calabasas Creek Inlet            | Non-<br>sensitive  |  |   |  |                                      |   |                     |   |
| 101        | Violin Canyon (PD<br>2312)                      | Non-<br>sensitive  | Potential for slender-<br>horned spineflower<br>(CRPR 1B.1/FE/SE)<br>San Fernando Valley<br>spineflower (CRPR List<br>1B.1/SE)         |   |  |                                      | May affect not likely to adversely affect |                     |   |
| 102        | Violin Canyon (PD<br>2275)                      | Non-<br>sensitive  | Potential for Braunton's<br>milk-vetch (CRPR List<br>1B.1/FE)<br>Potential for San<br>Fernando Valley<br>spineflower (CRPR<br>1B.1/SE) |   |  |                                      | May affect not likely to adversely affect |                     |   |
| 103        | Bouquet Canyon<br>Channel (PD 2225)             | Sensitive          |  | Unarmored<br>threespine<br>stickleback is known<br>to occur but has not<br>been detected every<br>year. (FE/SE) | Known territory for least Bell's vireo<br>(FE/SE); potential for southwestern willow<br>flycatcher (FE/SE); yellow-billed cuckoo<br>(FE) |                                      | May affect not likely to adversely affect |                     |   |
| 104        | Castaic Creek (PD<br>2441 Unit 2)               | Sensitive          |  | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE)   | Potential for least Bell's vireo (FE/SE)<br>southwestern willow flycatcher (FE/SE);<br>yellow-billed cuckoo (FE)                         | Potential for<br>arroyo toad<br>(FE) | May affect not likely to adversely affect | ARTO, SWFL          | Not likely to<br>destroy or<br>adversely<br>modify. |
|            | San Francisquito<br>Canyon Channel (PD<br>2456) | Sensitive          |  | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE)   | Potential for least Bell's vireo (FE/SE) southwestern willow flycatcher (FE/SE)  | Potential for<br>arroyo toad<br>(FE) | May affect not likely to adversely affect |                     |   |
| 106        | [no longer LACFCD<br>jurisdiction]              |                    |  |   |  |                                      |   |                     |   |
| 107        | [no longer LACFCD<br>jurisdiction]              |                    |  |   |  |                                      |   |                     |   |

| REACH<br># | REACH NAME   | USACE<br>SENSITIVE<br>REACH | PLANT  | FISH  | BIRD  | OTHER<br>WILDLIFE                    | POTENTIAL<br>AFFECT TO<br>SPECIES            | CRITICAL<br>HABITAT | POTENTIAL<br>AFFECT ON<br>CRIT. HAB. |
|------------|--|-----------------------------|--|---|---|--------------------------------------|--|---------------------|--------------------------------------|
| 108        | Pico Canyon ( PD<br>2528)  | Non-<br>sensitive           |  |   |   |                                      |  |                     |                                      |
| 109        | Santa Clara River -<br>South Bank West of<br>Mcbean Parkway<br>(MTD1510) | Sensitive                   |  | Unarmored<br>threespine<br>stickleback is known<br>to occur but has not<br>been detected every<br>year. (FE/SE) | Potential for least Bell's vireo (FE/SE)<br>southwestern willow flycatcher (FE/SE);<br>yellow-billed cuckoo (FE)  | Potential for<br>arroyo toad<br>(FE) | May affect not likely to adversely affect    |                     |                                      |
| 110        | Hasley Canyon<br>Channel (PD2262)  | Sensitive                   |  |   | Potential for least Bell's vireo (FE/SE),<br>southwestern willow flycatcher (FE/SE)   |                                      | May affect not likely<br>to adversely affect |                     |                                      |
| 111        | [no longer LACFCD<br>jurisdiction]                                       | -                           |  |   |   |                                      |  |                     |                                      |
| 112        | Ballona Creek  | Sensitive                   | Potential for southern<br>tarplant (CRPR List<br>1B.1)   |   | Belding's savannah sparrow (SE)<br>observed foraging, but not expected to<br>nest. Potential for California least tern<br>(FE/SE) to forage during April 1-Aug 31,<br>but is not expected to nest.  |                                      |  |                     |                                      |
| 113        | Dominguez Channel  | Sensitive                   | Known occurence for<br>southern tarplant (CRPR<br>List 1B.1) and eelgrass<br>(PMFC habitat of<br>particular concern) |   | Potential for California least tern (FE/SE)<br>to forage during April 1-Aug 31, but is not<br>expected to nest.   |                                      |  |                     |                                      |
| 114        | Los Angeles River  | Sensitive                   | Potential for southern<br>tarplant (CRPR List<br>1B.1) and eelgrass<br>(PMFC habitat of<br>particular concern)       |   | Potential for California least tern (FE/SE)<br>to forage during April 1-Aug 31, but is not<br>expected to nest.   |                                      |  |                     |                                      |
| 115        | San Gabriel River  | Sensitive                   | Potential for southern<br>tarplant (CRPR List<br>1B.1) and eelgrass<br>(PMFC habitat of<br>particular concern)       |   | Known occurence for green sea turtle<br>(USFWS- Breeding colony populations in<br>Florida and on the Pacific Coast of Mexico<br>are listed as Endangered; all others are<br>listed as Threatened); and Potential for<br>California least tern (FE/SE) to forage<br>during April 1-Aug 31, but is not expected<br>to nest. |                                      | May affect not likely to adversely affect    |                     |                                      |

| REACH<br># | REACH NAME                | USACE<br>SENSITIVE<br>REACH | PLANT   | FISH  | BIRD   | OTHER<br>WILDLIFE                    | POTENTIAL<br>AFFECT TO<br>SPECIES | CRITICAL<br>HABITAT | POTENTIAL<br>AFFECT ON<br>CRIT. HAB. |
|------------|---------------------------|-----------------------------|---|---|--|--------------------------------------|-----------------------------------|---------------------|--------------------------------------|
| 116        | Los Cerritos Channel      | Sensitive                   | Potential for southern<br>tarplant (CRPR List<br>1B.1), estuary seablight<br>(CRPR 1B.2), Sanford's<br>arrowhead (CRPR 1B.2)<br>and eelgrass (PMFC<br>habitat of particular<br>concern) |   | Potential for Belding's savannah sparrow<br>(SE) and California least tern (FE/SE) to<br>forage (year-round for sparrow/April 1-Aug<br>31 for tern), but both are not expected to<br>nest. |                                      |                                   |                     |                                      |
| 117        | Centinela Creek           | Sensitive                   |   |   | Potential for California least tern (FE/SE)<br>to forage during April 1-Aug 31, but is not<br>expected to nest.  |                                      |                                   |                     |                                      |
| 118        | Rustic Canyon<br>Channel  | Non-<br>sensitive           |   |   |  |                                      |                                   |                     |                                      |
| 119        | Rivas Canyon Channel      | Non-<br>sensitive           |   |   |  |                                      |                                   |                     |                                      |
| 120        | Jake's Way                | Sensitive                   | Potential for slender-<br>horned spineflower<br>(CRPR 1B.1/FE/SE)<br>San Fernando Valley<br>spineflower (CRPR List<br>1B.1/SE)  | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) |  |                                      |                                   |                     |                                      |
| 121        | San Francisquito<br>Creek | Sensitive                   | Potential for slender-<br>horned spineflower<br>(CRPR 1B.1/FE/SE)   | Potential for<br>unarmored<br>threespine<br>stickleback (FE/SE) | Known territory for least Bell's vireo<br>(FE/SE); potential for southwestern willow<br>flycatcher (FE/SE)   | Potential for<br>arroyo toad<br>(FE) |                                   |                     |                                      |

include access roads. (This generally coincides with CDFW jurisdiction.)

ot have LACFCD easements and b) have been continually maintained since 1997.

ple, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

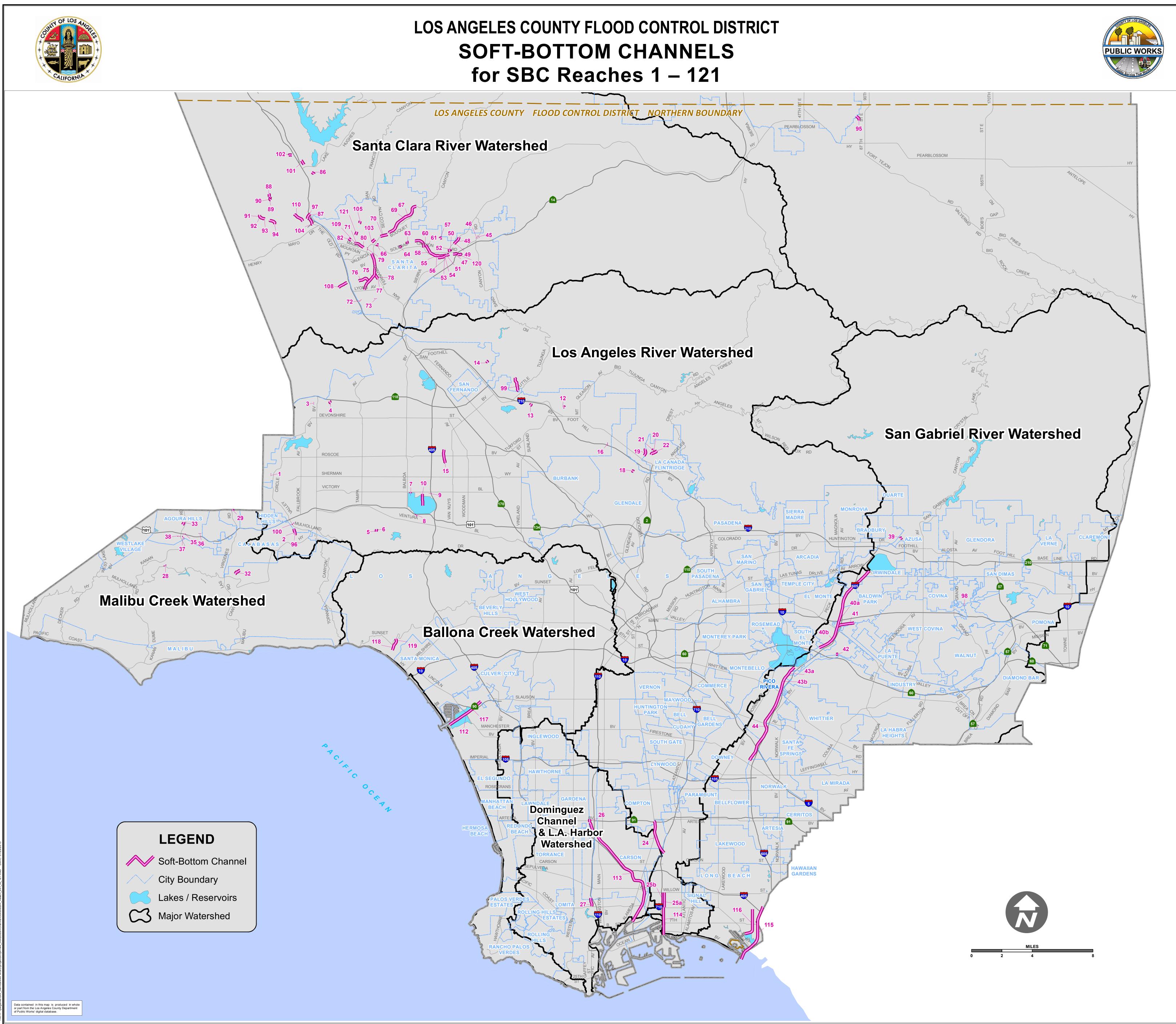
the channel invert that is not maintained or touched in anyway.

ation based upon approved Feasibility Study recommendations.

a Modified Preserved Polygon or as a developed area (eg. concrete levee).

# ATTACHMENT D

**REGIONAL VICINITY MAP** 



Mapping & Property Management Division, Mapping & GIS Services S



## **REACH** CHANNEL NAME

- 1 BELL CREEK- MTD 963 M.C.I.
- 2 DRY CANYON (CALABASAS) PD T1845
- 3 SANTA SUSANA CREEK M.C.I.
- 4 BROWNS CREEK
- 5 CABALLERO CREEK M.C.I. (WEST FORK)
- 6 CABALLERO CREEK M.C.I. (EAST FORK)
- 7 BULL CREEK M.C.O. 8 HAYVENHURST DRAIN -PROJECT 470 OUTLET
- 9 PROJECT 106 OUTLET
- 10 PROJECT NO. 469
- 12 HAINES CANYON M.C.O.
- 13 PROJECT NO. 5215 UNIT 1
- 14 MAY CHANNEL (M.C.O. INTO PACOIMA CANYON)
- 15 PACOIMA WASH
- 18 ENGLEHEARD CHANNEL
- **19 PICKENS CANYON**
- 20 WEBBER CHANNEL (STORM @ PRIVATE BRIDGE)
- 22 HALLS CANYON
- 24 COMPTON CREEK
- 25a LOS ANGELES RIVER WILLOW TO PCH (EAST/LEFT BANK)
- 26 PROJECT 740 27 WILMINGTON DRAIN
- 28 TRIUNFO CREEK (PD T2200)
- 29 LAS VIRGENES CREEK (PD T1684) M.C.I.
- 32 STOKES CANYON CHANNEL (PD T043)
- 33 MEDEA CREEK (PD T1378 U.2) 35 MEDEA CREEK M.C.I.-UNDER ROUTE 101
- 36 CHESEBORO MAIN CHANNEL INLET
- 37 MEDEA CREEK/CHESEBORO CREEK OUTLET 38 LINDERO M.C.O.
- 39 BEATTY CHANNEL OUTLET @ SGR 25+99.00
- 41 WALNUT CREEK
- 43a SAN GABRIEL RIVER- UPPER
- 43b SAN GABRIEL RIVER- LOWER
- 44 SAN GABRIEL RIVER RUBBER DAMS
- 45 SAND CANYON (PD T1307) MAIN CHANNEL INLET

- 52 SIERRA HWY RD DRAINAGE (CDR 523.203)

- 57 WHITES CANYON (PD T704 M.C.I.)
- 61 SANTA CLARA RIVER MAIN CHANNEL (PD 659 & 754)
- 63 OAK AVE RD DRAINAGE (CDR 523.081)
- 66 SANTA CLARA RIVER MAIN CHANNEL (PD 1538)

- 70 BOUQUET CANYON LOWER (PD'S 544 & 345)
- 72 SOUTH FORK- SCR (SMIZER RANCH M.C.I.)
- 73 WILDWOOD CYN CHNL (PD T361) M.C.I.
- 76 PICO CANYON (PD 813)
- 77 NEWHALL CREEK OUTLET
- 78 PLACERITA CREEK
- 82 SANTA CLARA RIVER MAIN CHANNEL (PD 2278)
- 86 VIOLIN CANYON MAIN CHANNEL OUTLET
- 88 HASLEY CANYON UPPER (PD T1496)
- 89 HASLEY CANYON SOUTH FORK (PD T1496)

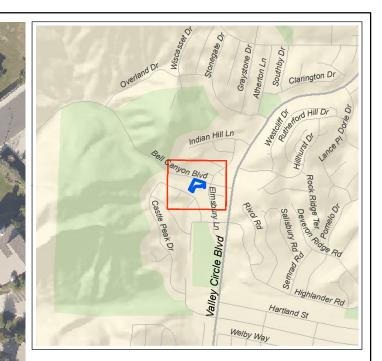
- 95 PROJECT NO. 1224
- 96 PD 1591, CALABASAS
- 97 PD T1982, CASTAIC CREEK 98 WALNUT CREEK – CHANNEL INLET
- 99 KAGEL CANYON TUJUNGA WASH 100 DRY CANYON, CALABASAS CREEK INLET
- 101 VIOLIN CANYON (PD 2312)
- 102 VIOLIN CANYON (PD 2275)
- 104 CASTAIC CREEK (PD 2441 UNIT 2)
- 105 SAN FRANCISQUITO CANYON CHANNEL (PD 2456) 108 PICO CANYON ( PD 2528)
- 110 HASLEY CANYON CHANNEL (PD2262) 112 BALLONA CREEK
- 113 DOMINGUEZ CHANNEL
- 114 LOS ANGELES RIVER 115 SAN GABRIEL RIVER
- 116 LOS CERRITOS CHANNEL
- 117 CENTINELA CREEK 118 RUSTIC CANYON
- 119 RIVAS CANYON
- 120 JAKE'S WAY (PD 2496)
- 121 SAN FRANCISQUITO CREEK (PD 2271)

```
16 VERDUGO WASH-LAS BARRAS CANYON (CHANNEL INLET)
 21 WEBBER CHANNEL (MAIN CHANNEL INLET D/S BRIDGE)
25b LOS ANGELES RIVER - WILLOW TO PCH (WEST/RIGHT BANK)
40a SAN GABRIEL RIVER – SANTA FE DAM TO I-10 FREEWAY
40b SAN GABRIEL RIVER – I-10 FREEWAY TO THIENES AVENUE
42 SAN JOSE CREEK D/S 1000' FROM END OF CONCRETE CHANNEL
 46 SAND CANYON (PD T1307) MAIN CHANNEL OUTLET
47 SANTA CLARA RIVER MAIN CHANNEL (PD T1733-UNIT 1)
 48 MINT CANYON CHANNEL BETWEEN SIERRA HIGHWAY & ADON AVENUE
 49 MINT CANYON CHANNEL BETWEEN ADON AVENUE & SCHERZINGER LANE
50 MINT CANYON CHANNEL BETWEEN SOLAMINT & SOLEDAD
 51 MINT CANYON M.C.O. (PD 1894)/SANTA CLARA RIVER – MAIN CHANNEL
 53 SANTA CLARA RIVER NON-MAIN CHNL. (PD 832) M.C.I.
 54 SANTA CLARA RIVER NON-MAIN CHANNEL (PD 832) MAIN CHANNEL OUTLET
 55 SANTA CLARA RIVER MAIN CHANNEL – RIGHT BANK REACH (PD'S 910, 832, 1758, & 1562 UNIT 2
 56 SANTA CLARA RIVER MAIN CHANNEL – LEFT BANK REACH (PD 832)
 58 SANTA CLARA RIVER MAIN CHANNEL – RIGHT BANK REACH (PD 374)
 60 SANTA CLARA RIVER MAIN CHANNEL – RIGHT BANK REACH (PD'S 1339 AND 374)
 64 SOLEDAD CANYON ROAD DRAIN (CDR 523.071 D OUTLET)
67 BOUQUET CANYON UPPER (PD'S 1201, 802, 700B, & 625)
 69 BOUQUET CANYON MIDDLE (PD'S 722, 773, 1365, 1065, & 451)
71 SANTA CLARA RIVER MAIN CHANNEL (PD 1946)
 75 SOUTH FORK-SANTA CLARA RIVER (PD'S 725, 916, 1041, &1300)
 79 SOUTH FORK- SANTA CLARA RIVER (VALENCIA BOULEVARD BRIDGE STABILIZER)
 80 SOUTH FORK-SANTA CLARA RIVER (PD'S 1947 & 1946)
 87 CASTAIC- OLD ROAD DRAINAGE (CDR 525.021D) OUTLET
90 HASLEY CANYON LOWER (NORTH FORK PD T1496)
 91 SAN MARTINEZ CHIQUITO CANYON CHANNEL U/S OF KENINGSTON ROAD
 92 SAN MARTINEZ CHIQUITO CANYON (NORTH FORK) UNNAMED
 93 SAN MARTINEZ CHIQUITO CANYON BETWEEN KENINGSTON ROAD AND VAL VERDE PARK
 94 SAN MARTINEZ CHIQUITO CANYON BETWEEN VAL VERDE PARK TO D/S OF MADISON STREET
103 BOUQUET CANYON CHANNEL (PD 2225)
109 SANTA CLARA RIVER - SOUTH BANK WEST OF MCBEAN PARKWAY (MTD1510)
```

# ATTACHMENT E

# **REACH MAPBOOK**







Reach Limits

- Prescriptive Rights
  - LACFCD Easements

### Preserved Polygons

Modified Preserved Polygon

Allow Vegetation to Grow

#### Definitions-

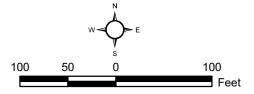
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

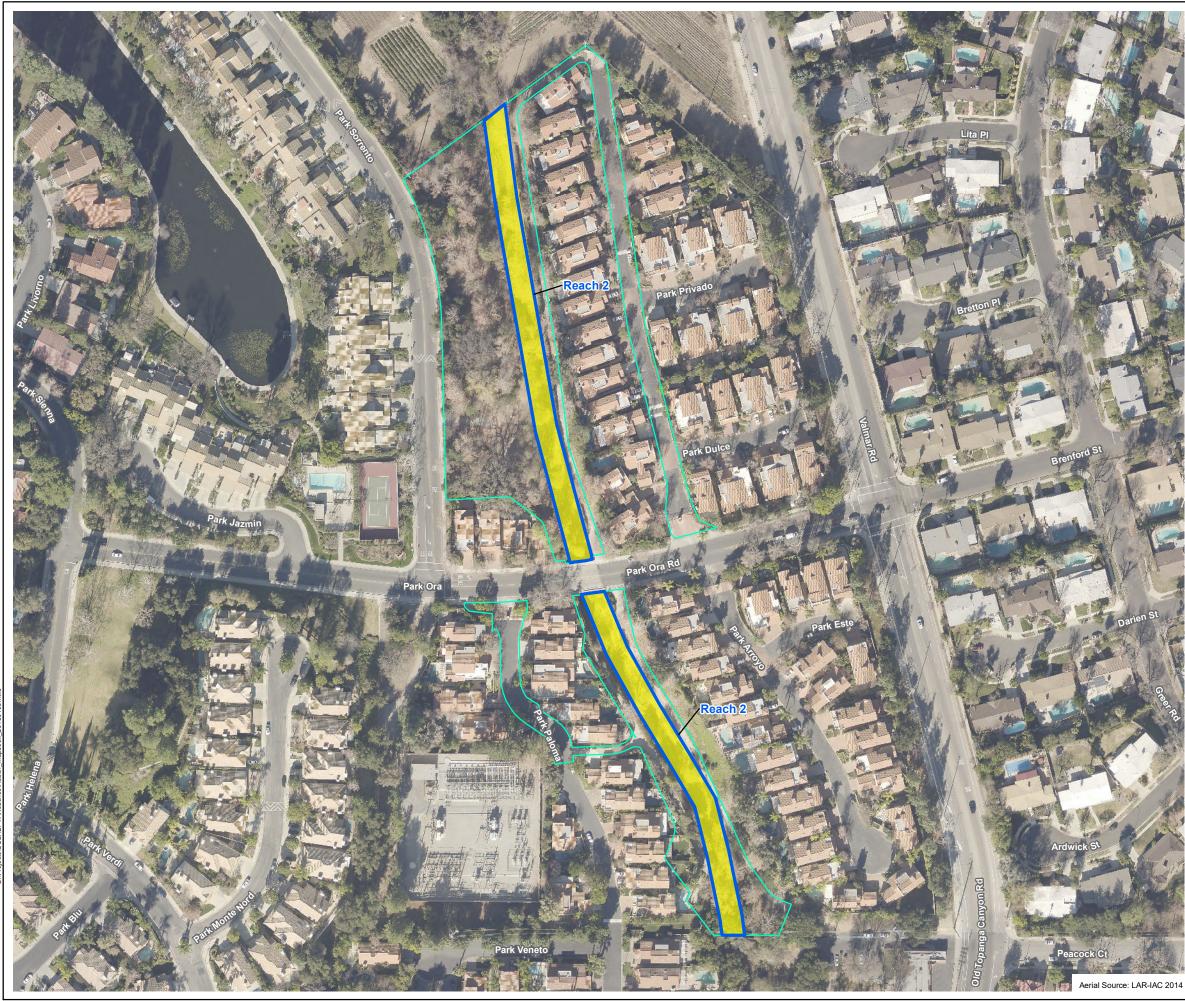
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.









Reach Limits

LACFCD Easements

### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

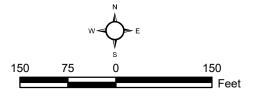
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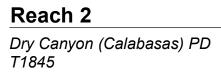
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Reach Limits

- Prescriptive Rights
- LACFCD Easements

#### Definitions-

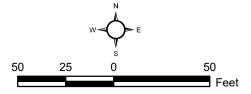
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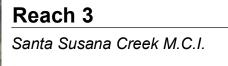
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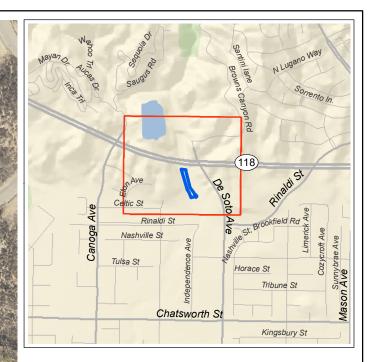
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Reach Limits

LACFCD Easements

### **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

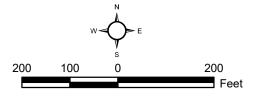
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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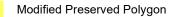




Reach Limits

- \_\_\_\_ Adjacent Reaches
  - LACFCD Easements

### **Preserved Polygons**



Unmodified Preserved Polygon

#### Definitions-

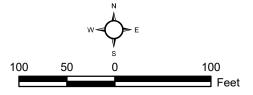
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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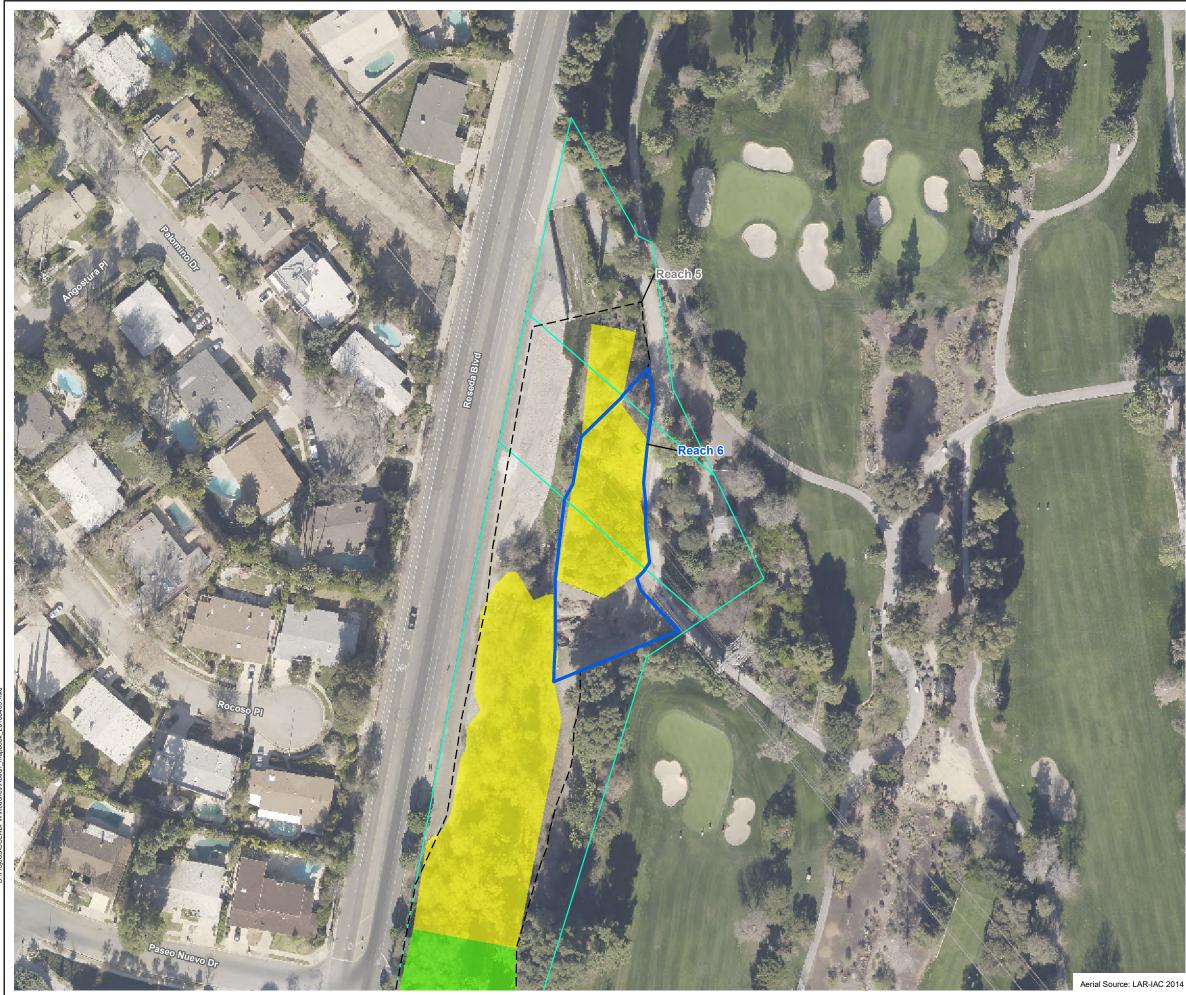
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 5 Caballero Creek M.C.I. (West Fork)





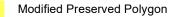




Reach Limits

- Adjacent Reaches
  - LACFCD Easements

#### Preserved Polygons



Unmodified Preserved Polygon

#### Definitions-

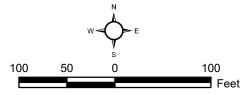
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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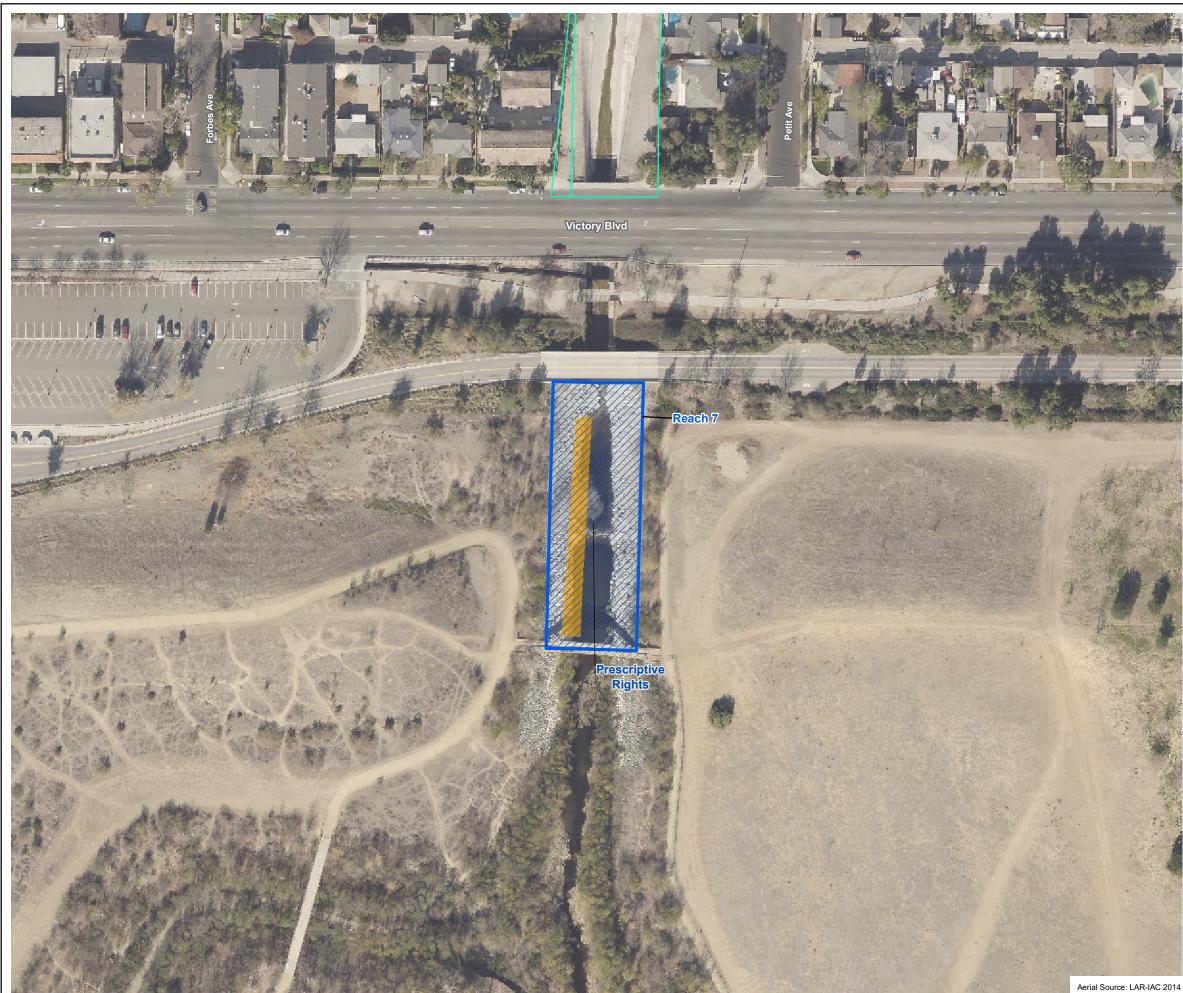
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

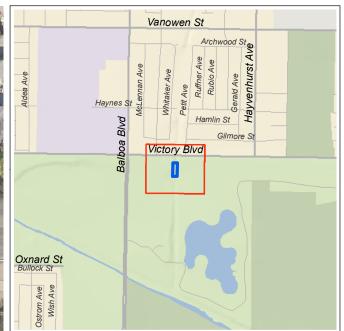
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 6 Caballero Creek M.C.I. (East Fork)





Reach Limits 

Prescriptive Rights

LACFCD Easements

#### **Preserved Polygons**

Allow Vegetation to Grow

#### Definitions-

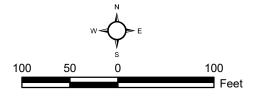
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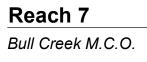
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

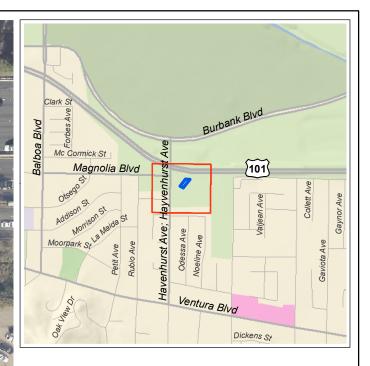
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

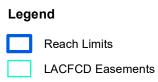
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.











#### Definitions-

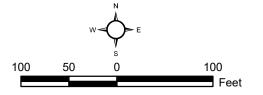
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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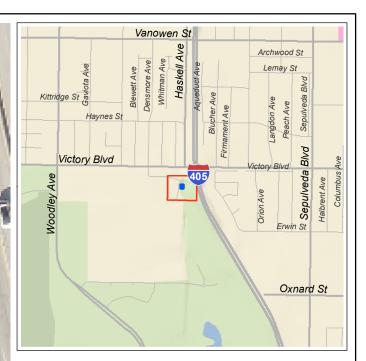
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 8 Hayvenhurst Drain -Project 470 Outlet







Reach Limits

Prescriptive Rights

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

1

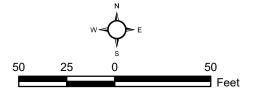
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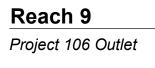
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

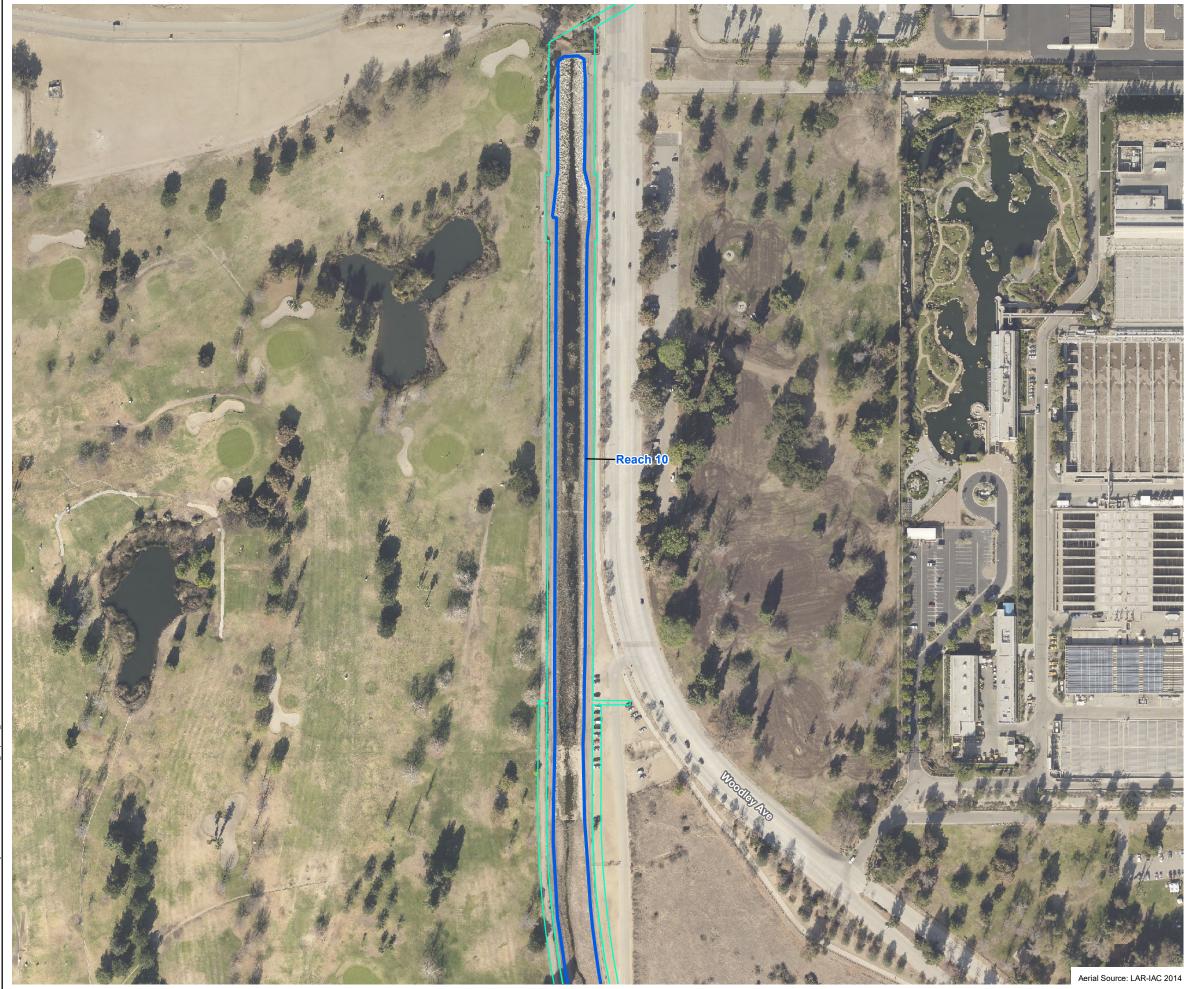
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

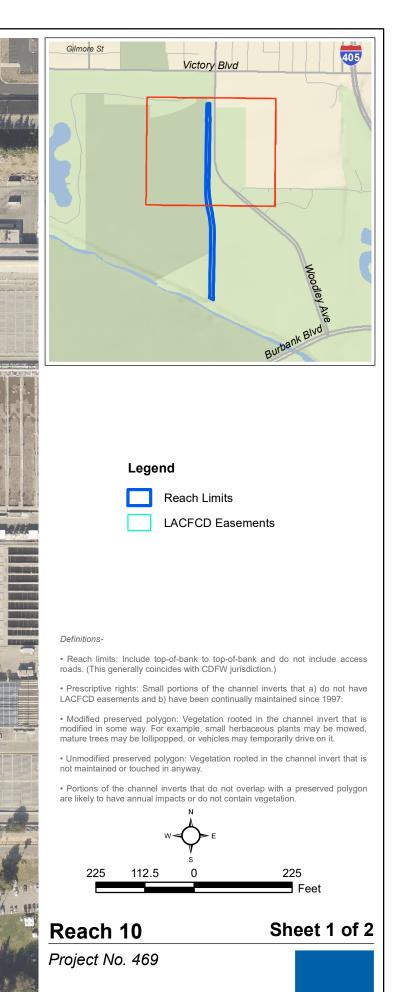
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.





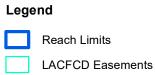












#### Definitions-

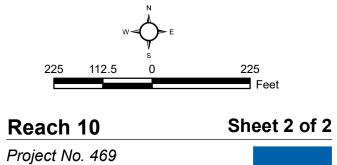
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

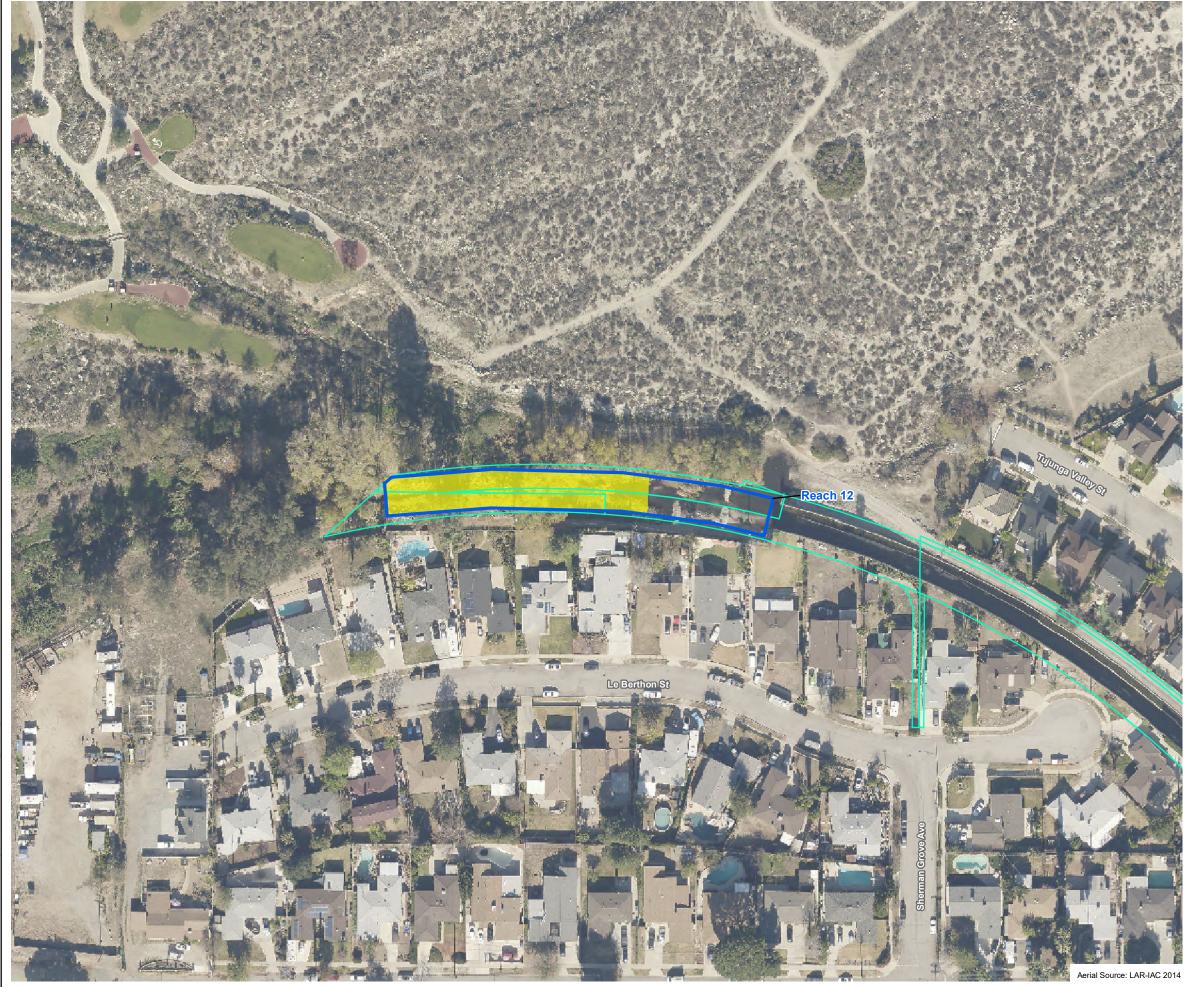
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.







Reach Limits

LACFCD Easements

### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

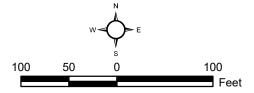
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

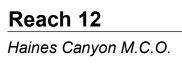
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

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are likely to have annual impacts or do not contain vegetation.









Reach Limits

LACFCD Easements

### **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

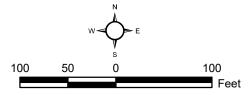
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

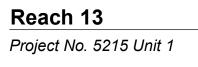
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

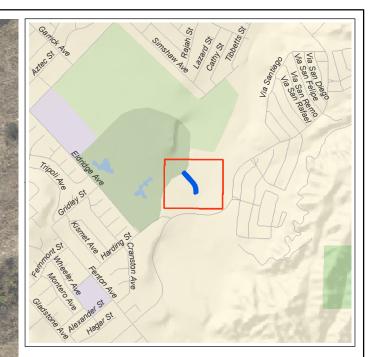
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.











Reach Limits

LACFCD Easements

### **Preserved Polygons**

Modified Preserved Polygon

Unmodified Preserved Polygon

#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

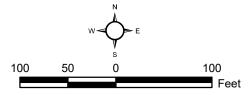
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

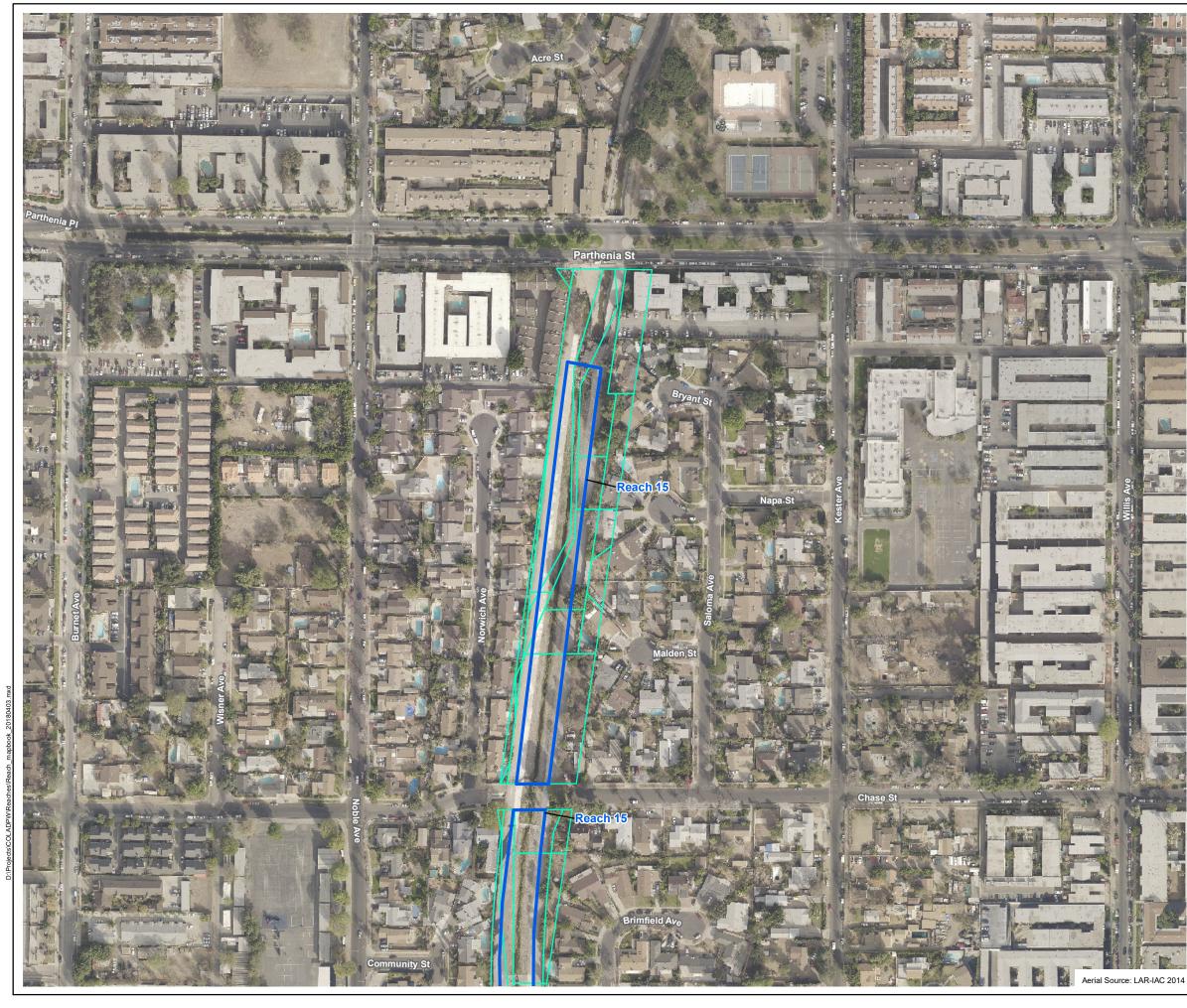
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

PSOMAS



# Reach 14

May Channel (M.C.O. Into Pacoima Canyon)







#### Definitions-

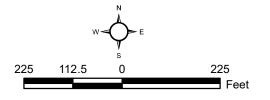
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

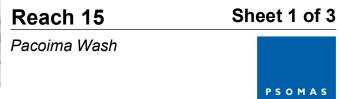
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

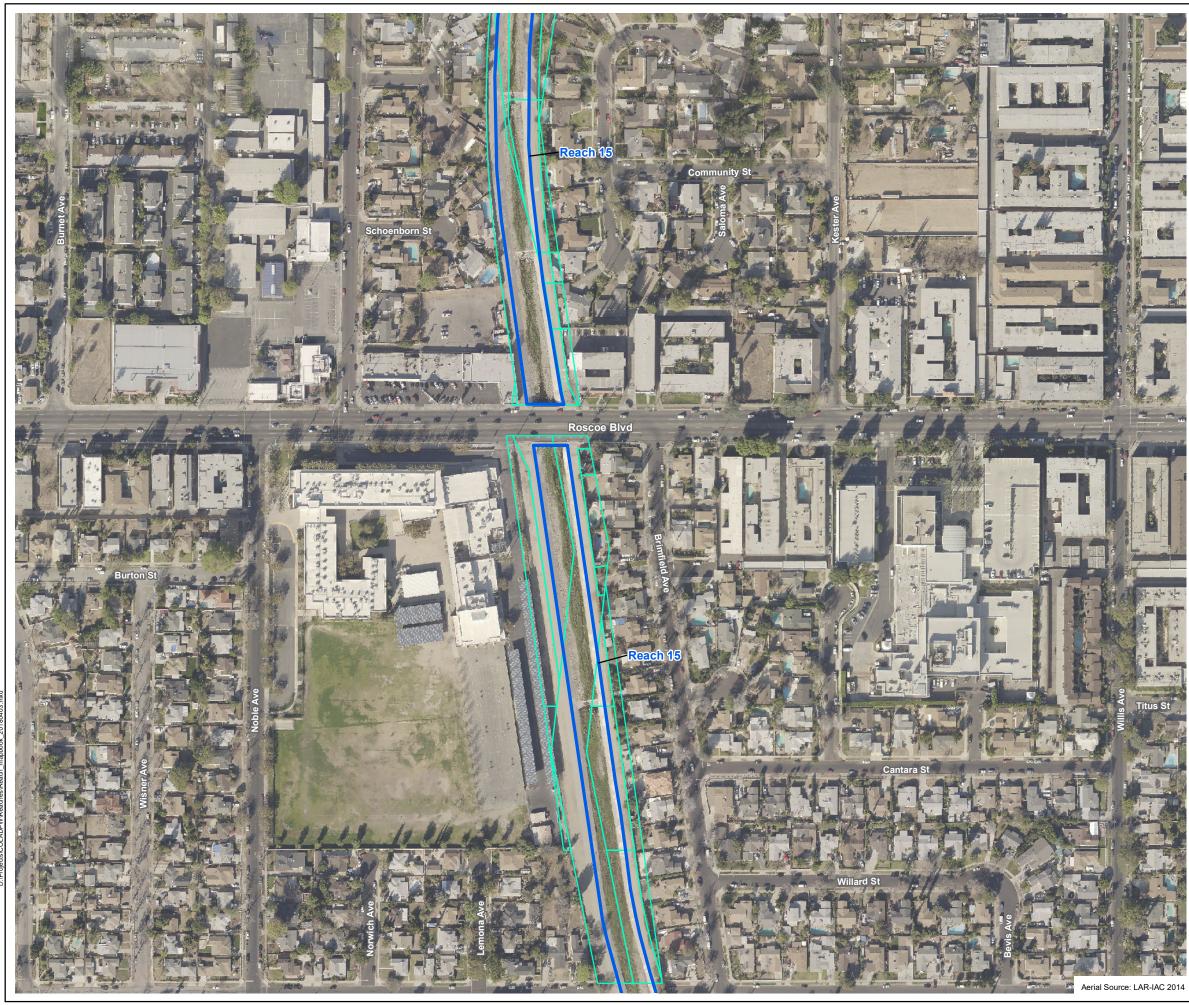
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

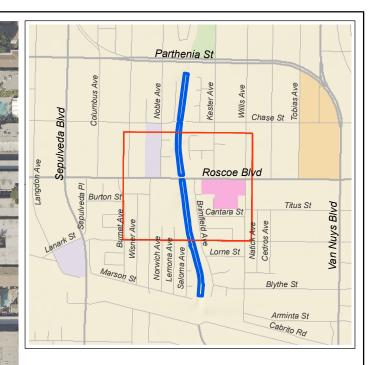
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.





and the







#### Definitions-

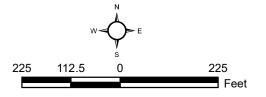
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

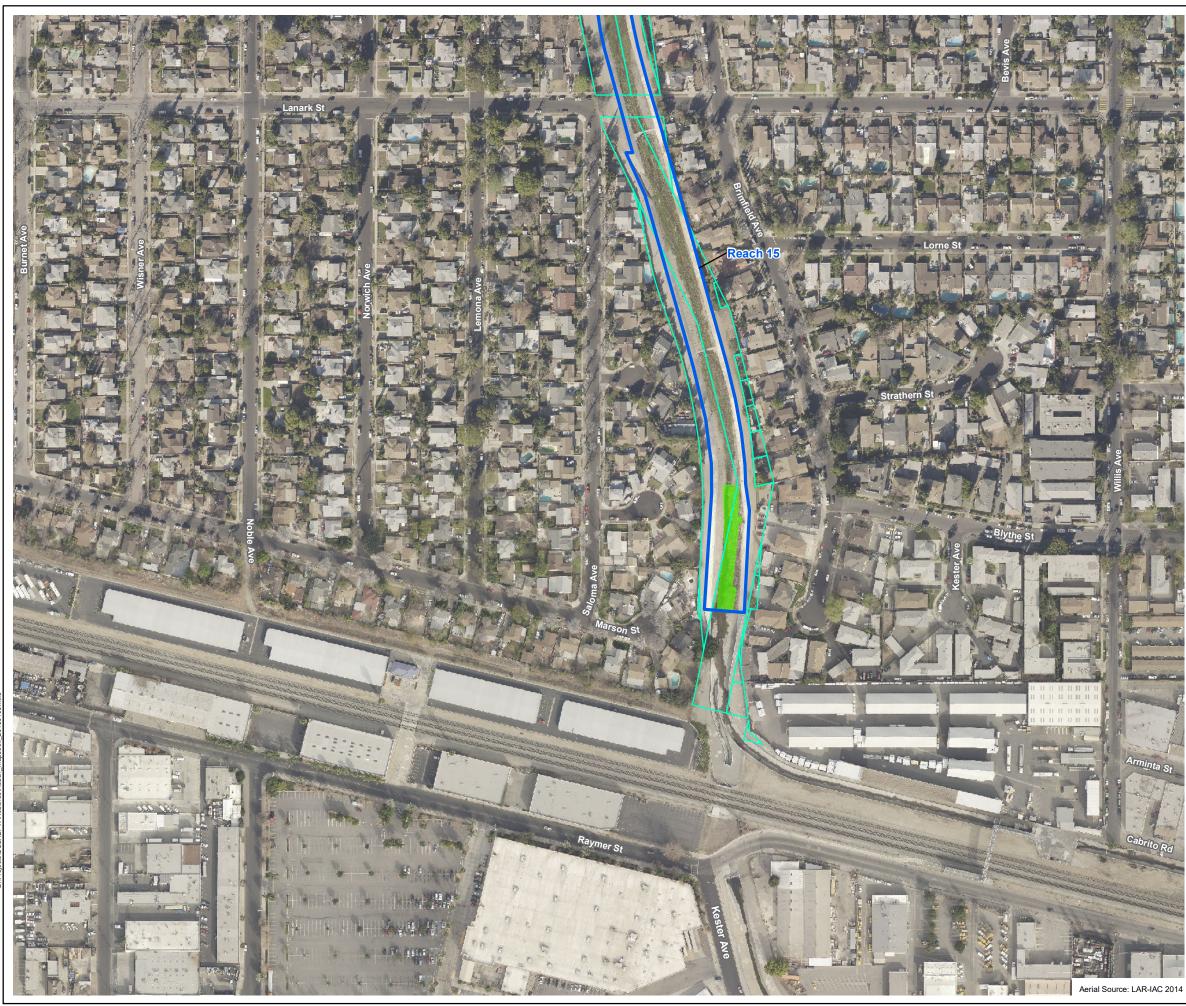
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

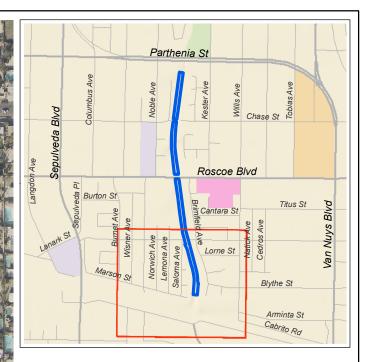
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.









Reach Limits

LACFCD Easements

#### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

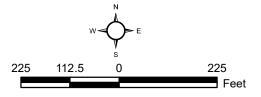
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

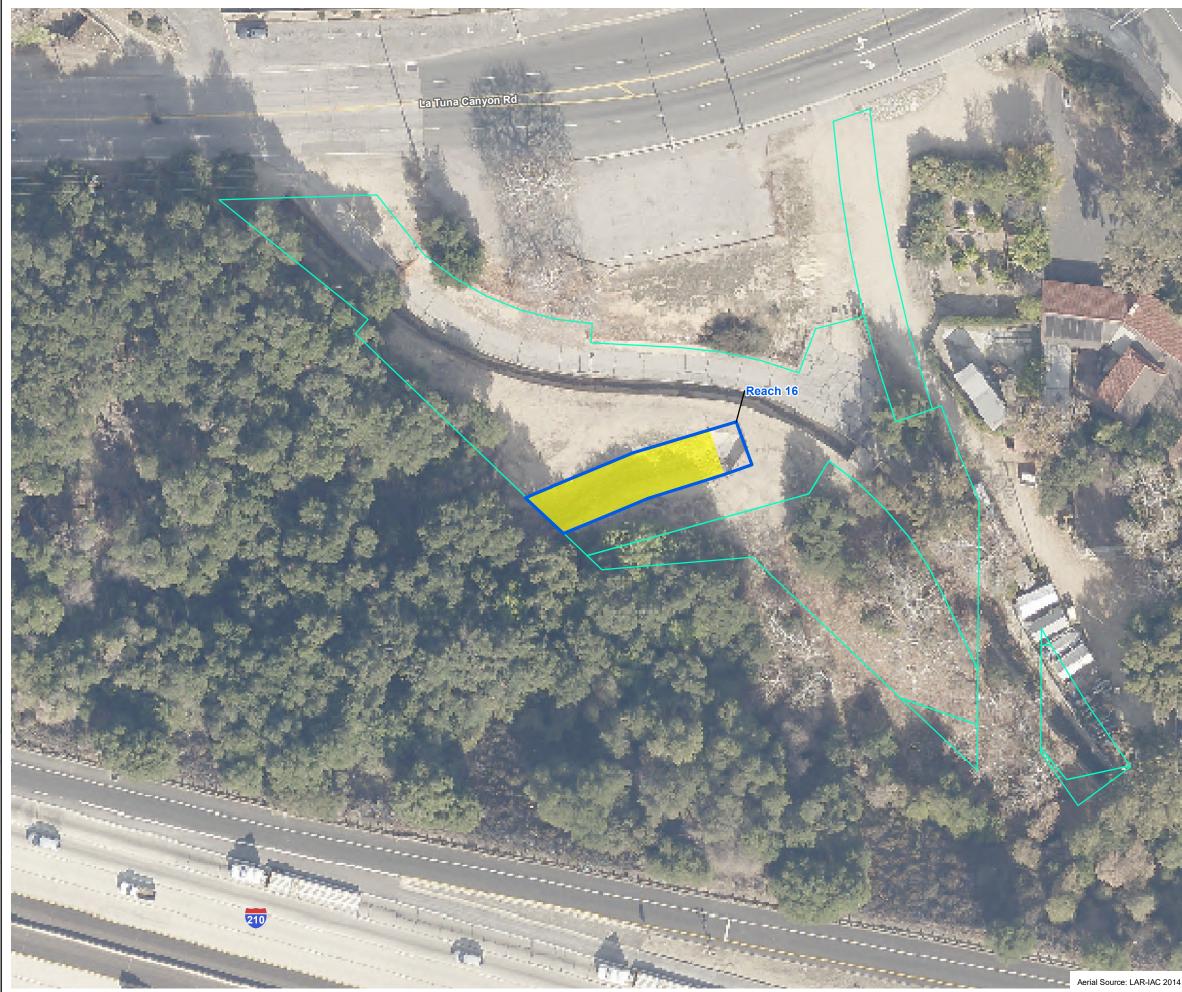
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

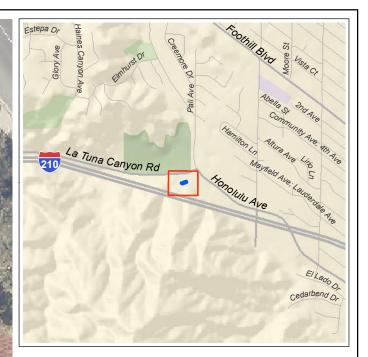
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.









Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

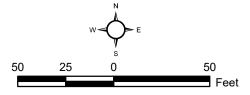
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
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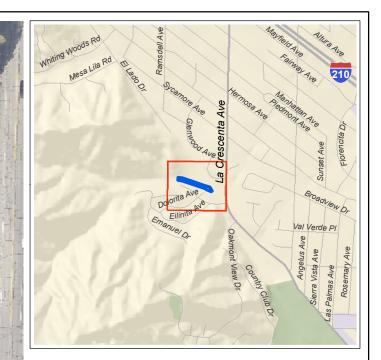
PSOMAS



# Reach 16

Verdugo Wash-Las Barras Canyon (channel inlet)







Reach Limits

LACFCD Easements

#### Preserved Polygons

- Modified Preserved Polygon
- Allow Vegetation to Grow

#### Definitions-

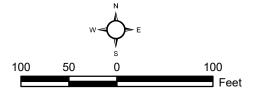
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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are likely to have annual impacts or do not contain vegetation.











Reach Limits

LACFCD Easements

#### **Preserved Polygons**

- Unmodified Preserved Polygon
- Allow Vegetation to Grow

#### Definitions-

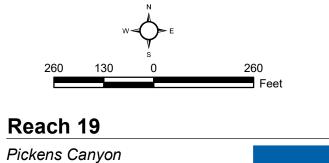
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

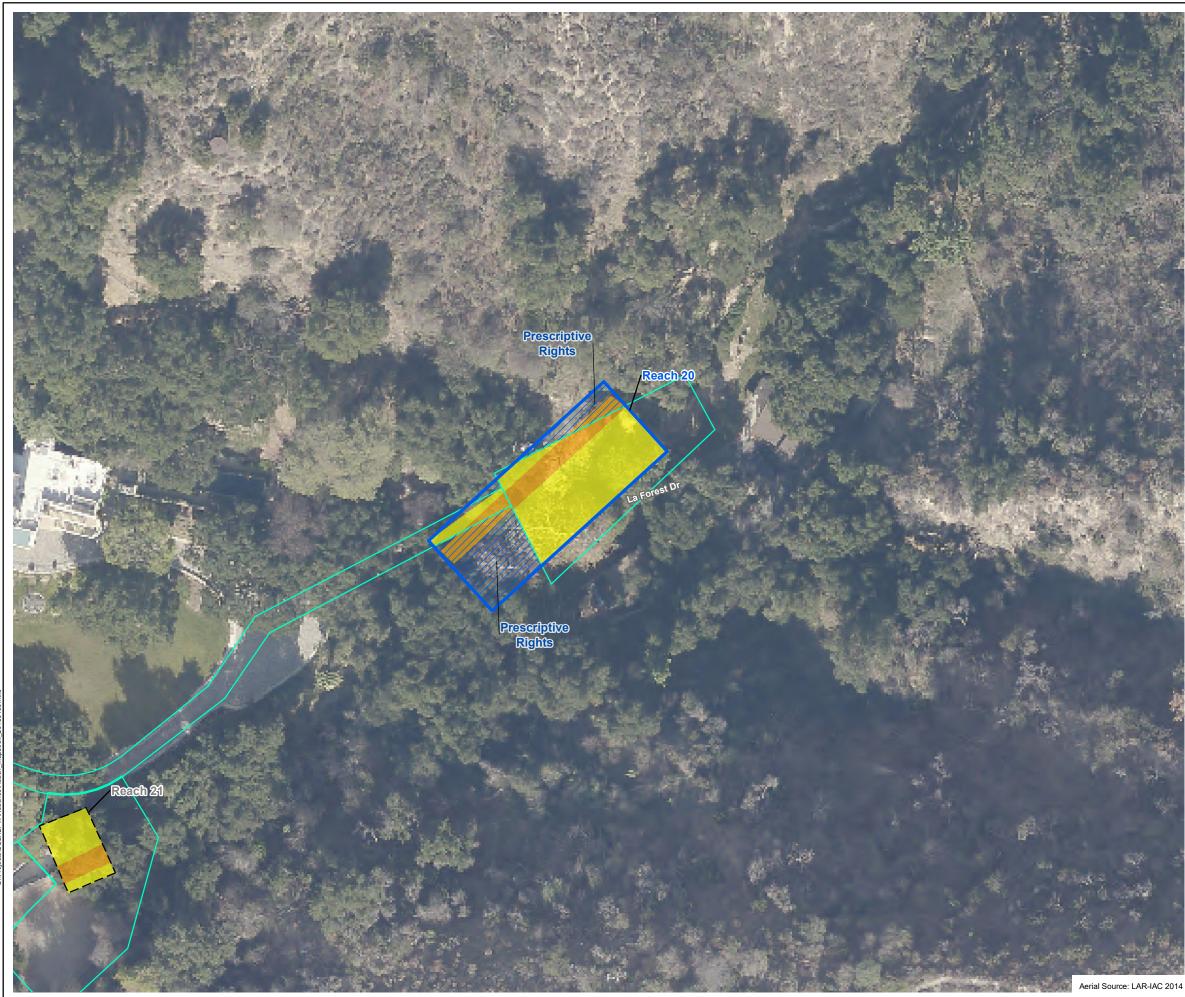
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

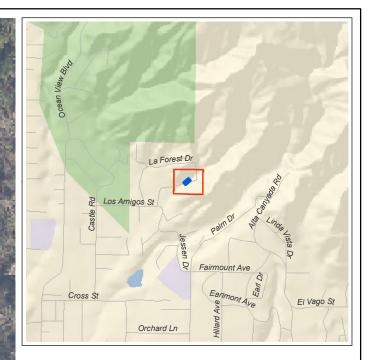
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.







|                    | Reach Limits          |  |  |
|--------------------|-----------------------|--|--|
|                    | Prescriptive Rights   |  |  |
| <br>[              | Adjacent Reaches      |  |  |
|                    | LACFCD Easements      |  |  |
| Preserved Polygons |                       |  |  |
|                    | Modified Preserved Po |  |  |

eserved Polygon

Allow Vegetation to Grow

#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

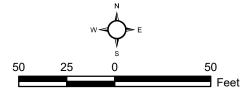
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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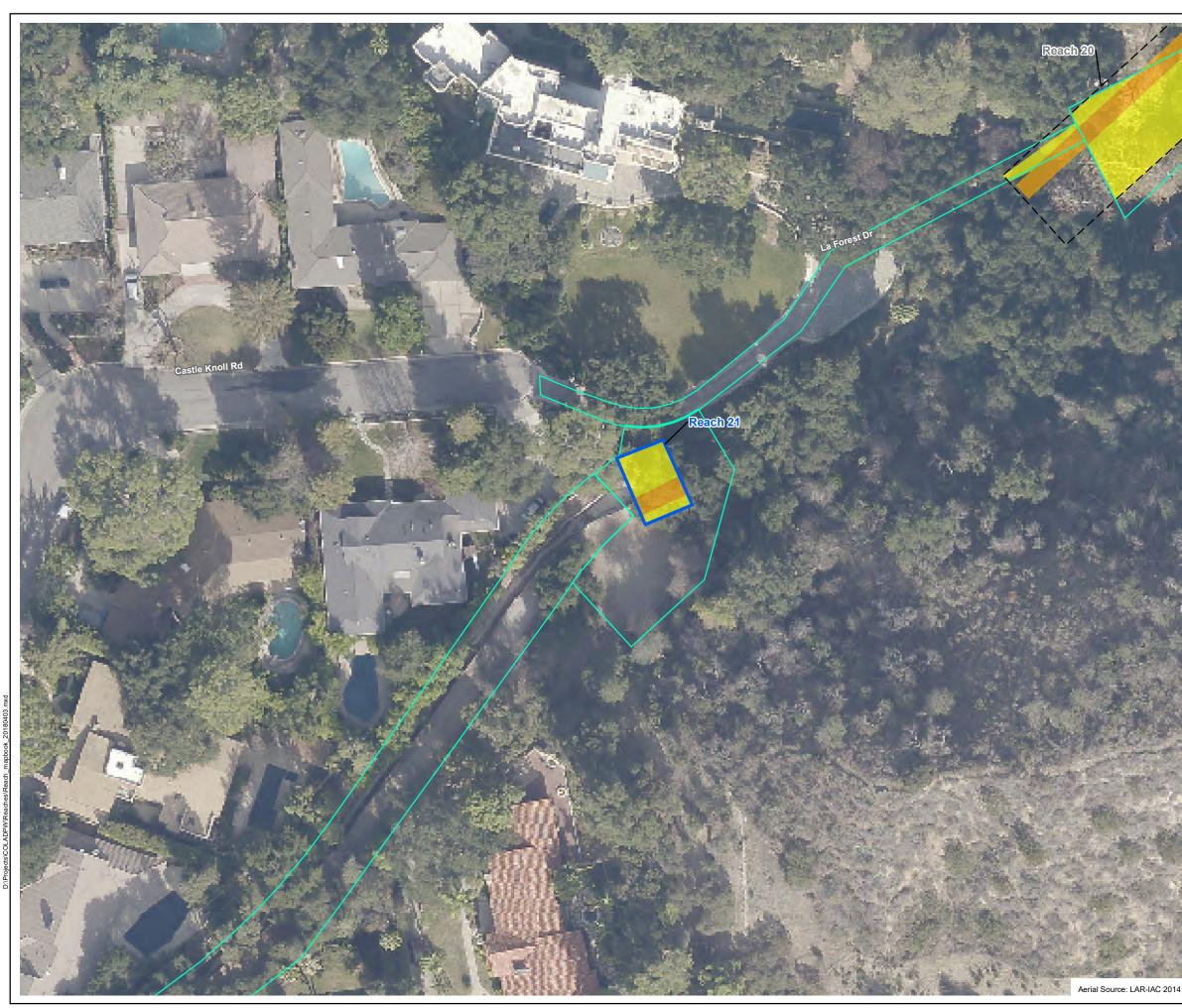
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

PSOMAS



# Reach 20

Webber Channel (Storm at Private Bridge)







Reach Limits

- \_\_\_\_ Adjacent Reaches
  - LACFCD Easements

#### Preserved Polygons

- Modified Preserved Polygon
- Allow Vegetation to Grow

#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

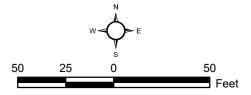
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

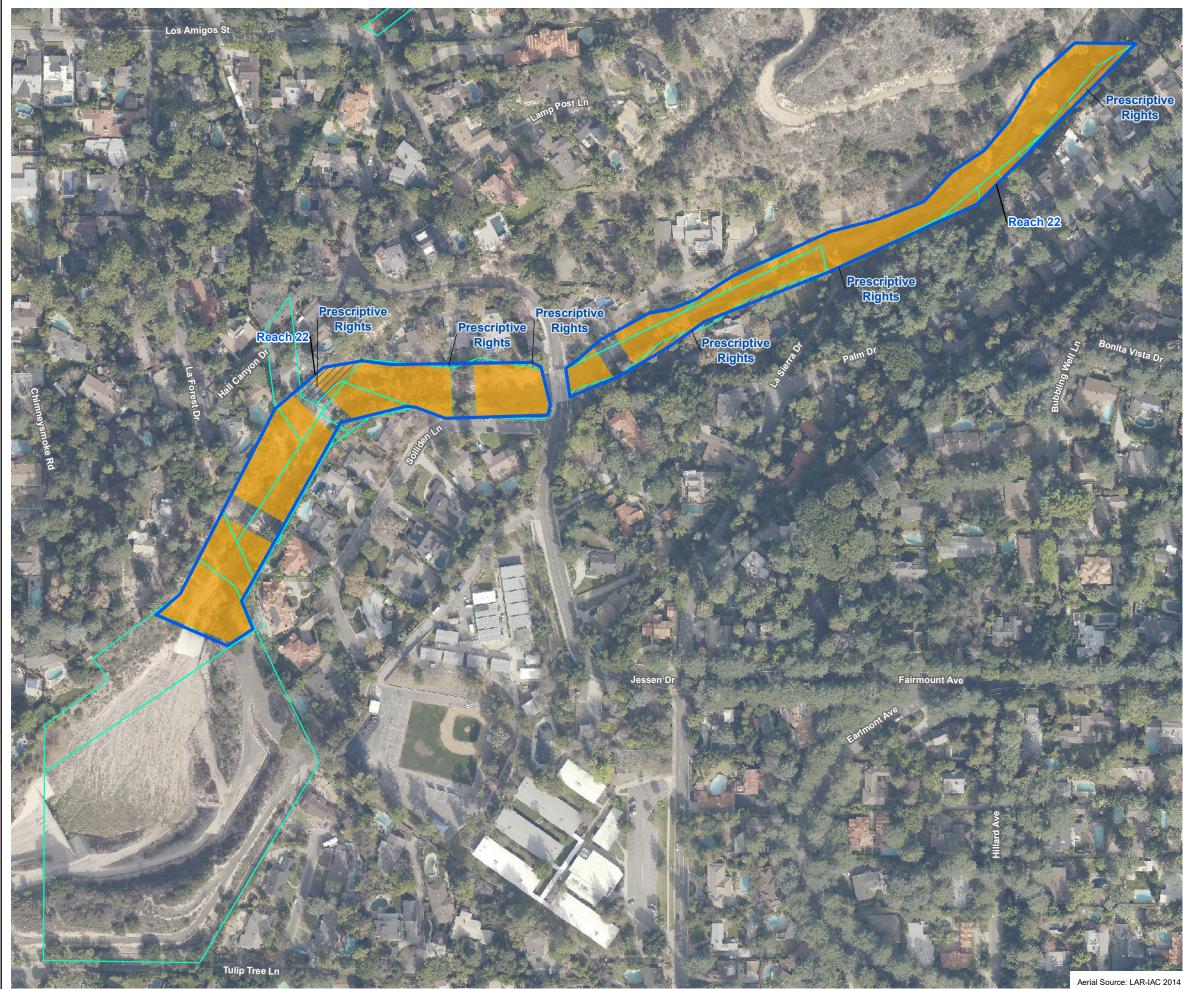
PSOMAS



# Reach 21

Webber Channel (Main Channel Inlet d/s Bridge)









Reach Limits

- Prescriptive Rights
  - LACFCD Easements

#### Preserved Polygons

- Unmodified Preserved Polygon
- Allow Vegetation to Grow

#### Definitions-

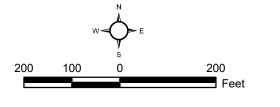
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

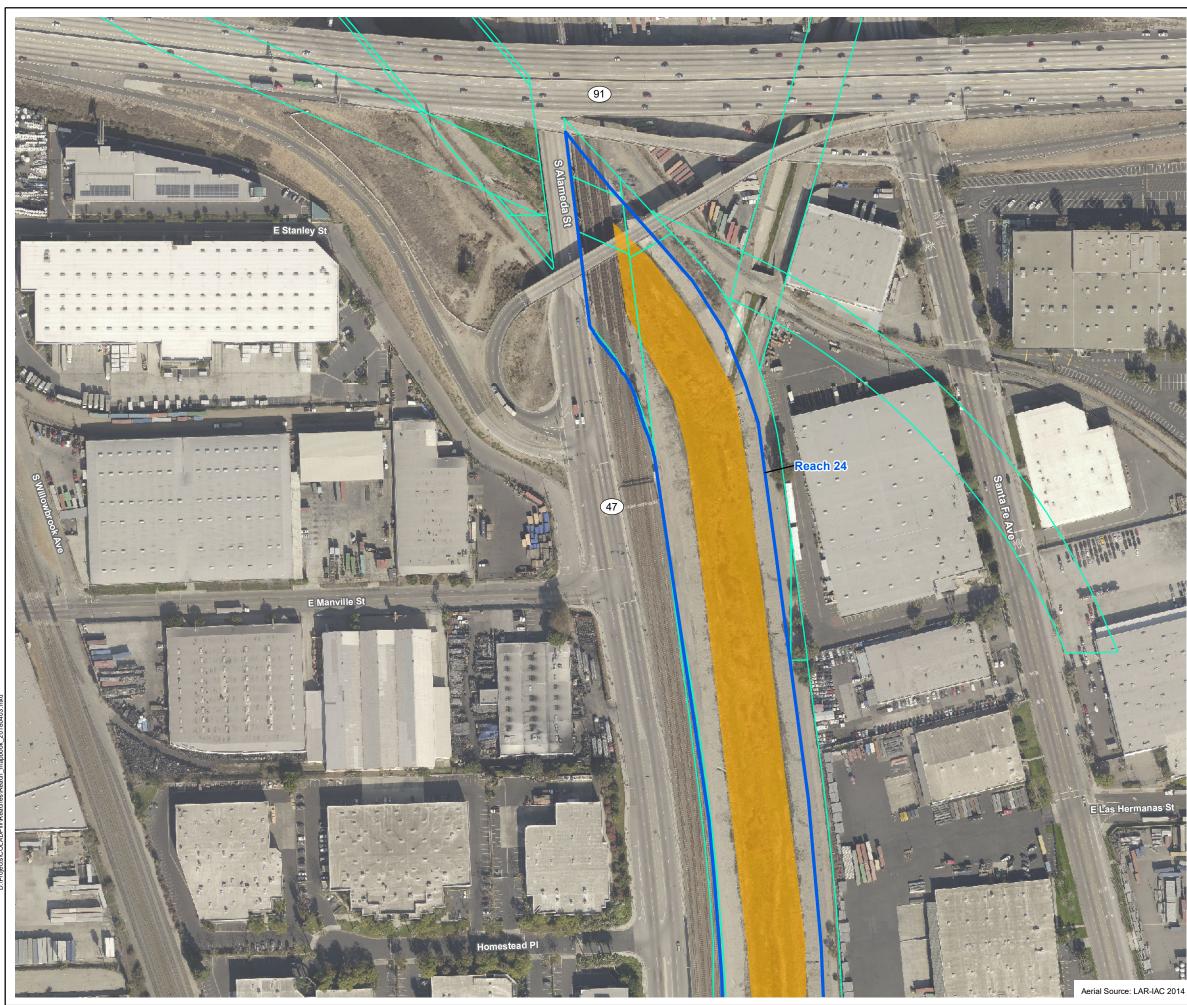
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

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Reach Limits 

LACFCD Easements

#### **Preserved Polygons**

Allow Vegetation to Grow

#### Definitions-

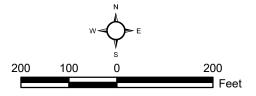
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

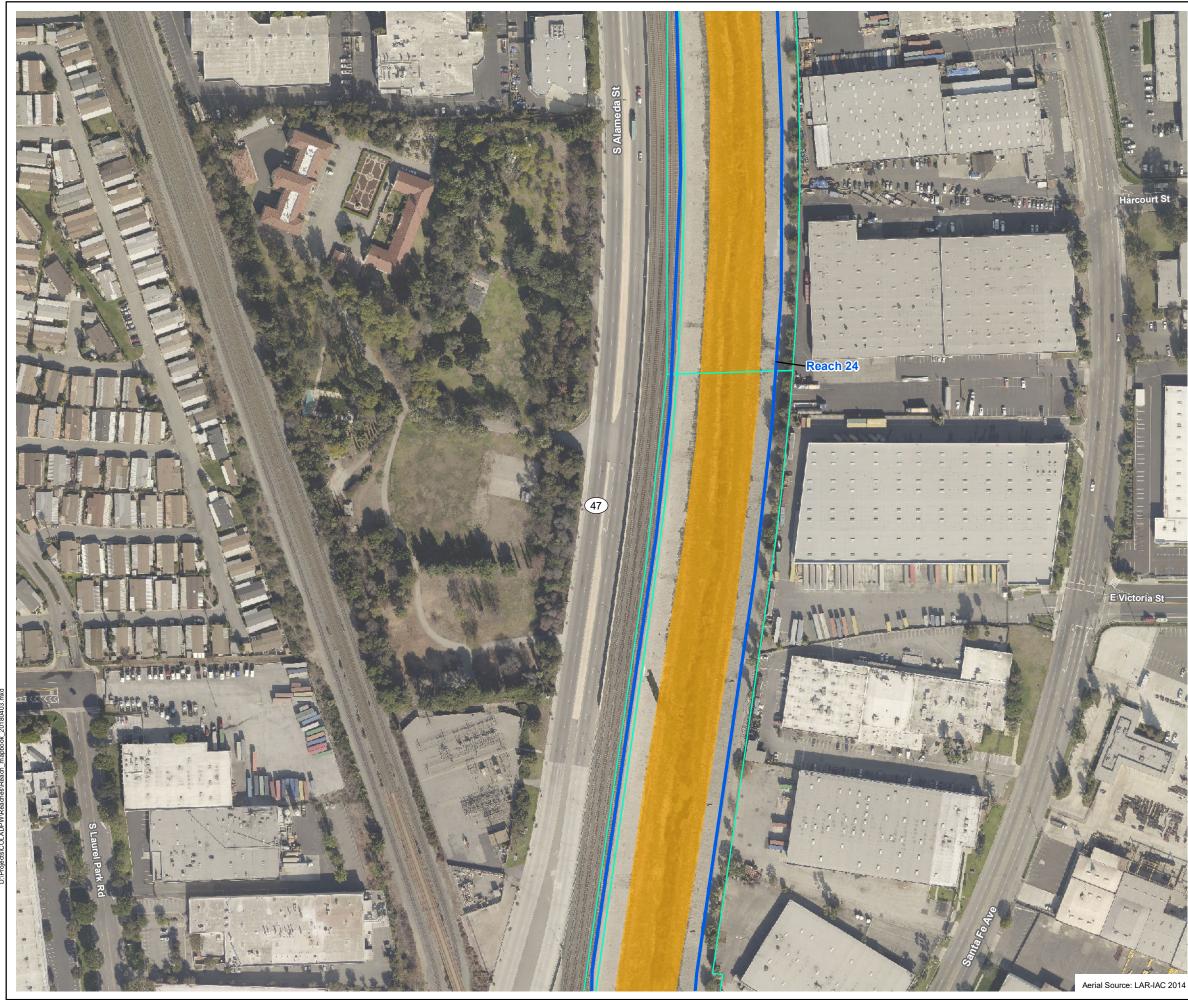
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

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Reach Limits 

LACFCD Easements

#### **Preserved Polygons**

Allow Vegetation to Grow

Definitions-

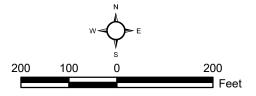
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

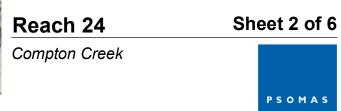
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

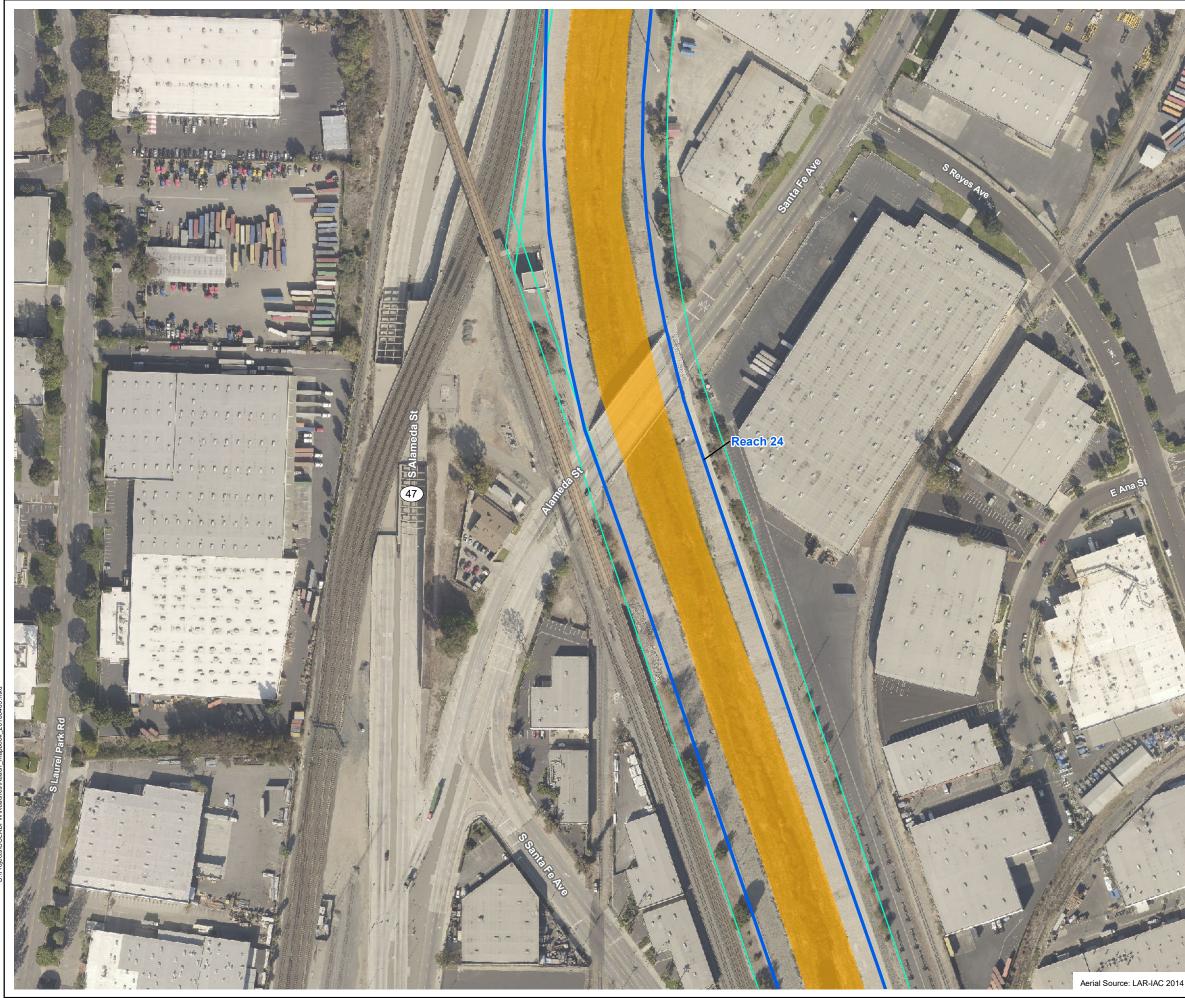
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

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Reach Limits 

LACFCD Easements

#### **Preserved Polygons**

Allow Vegetation to Grow

#### Definitions-

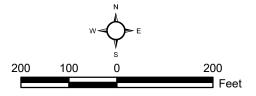
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

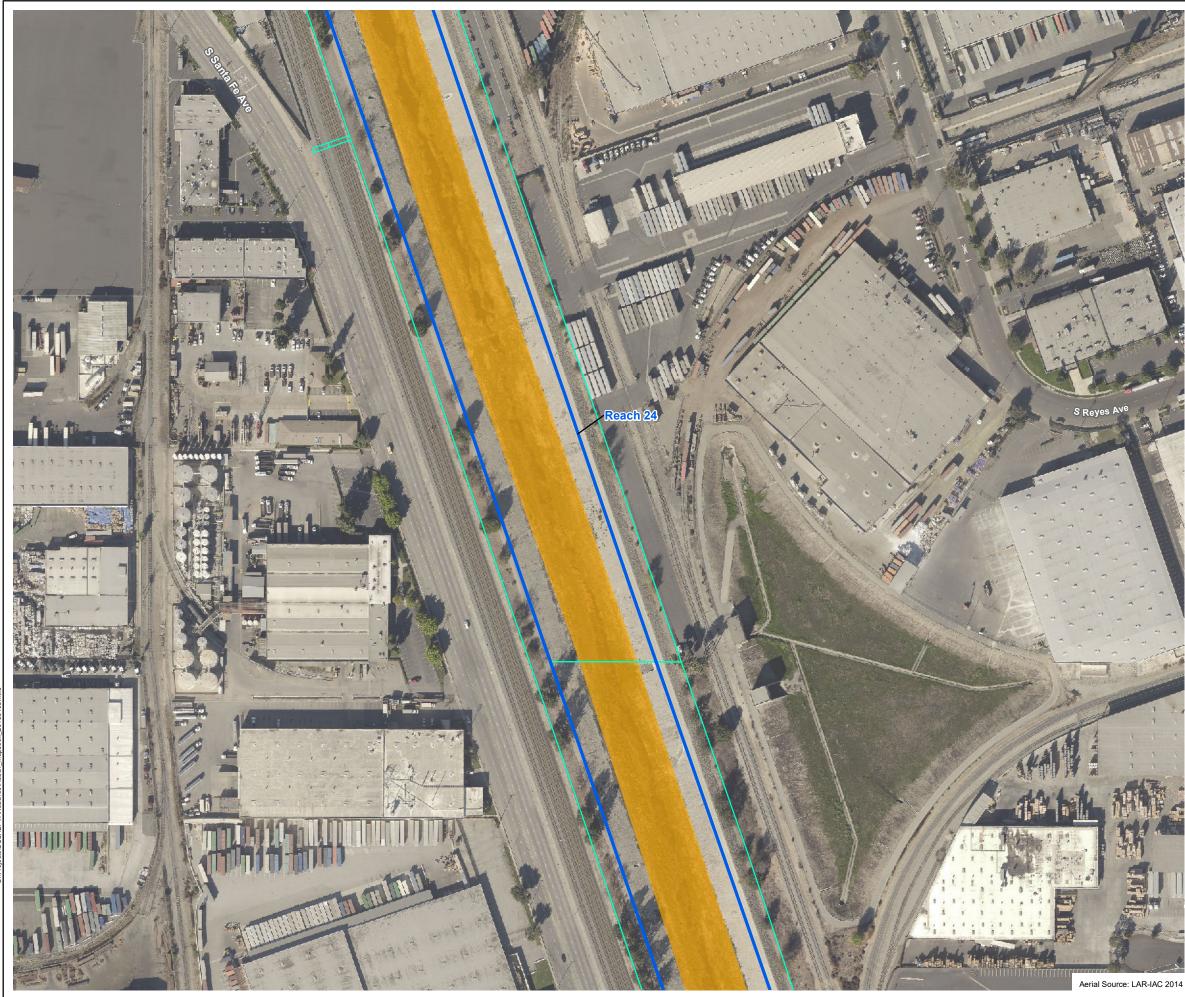
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Reach Limits 

LACFCD Easements

#### **Preserved Polygons**

Allow Vegetation to Grow

#### Definitions-

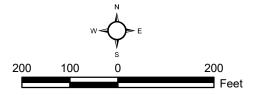
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

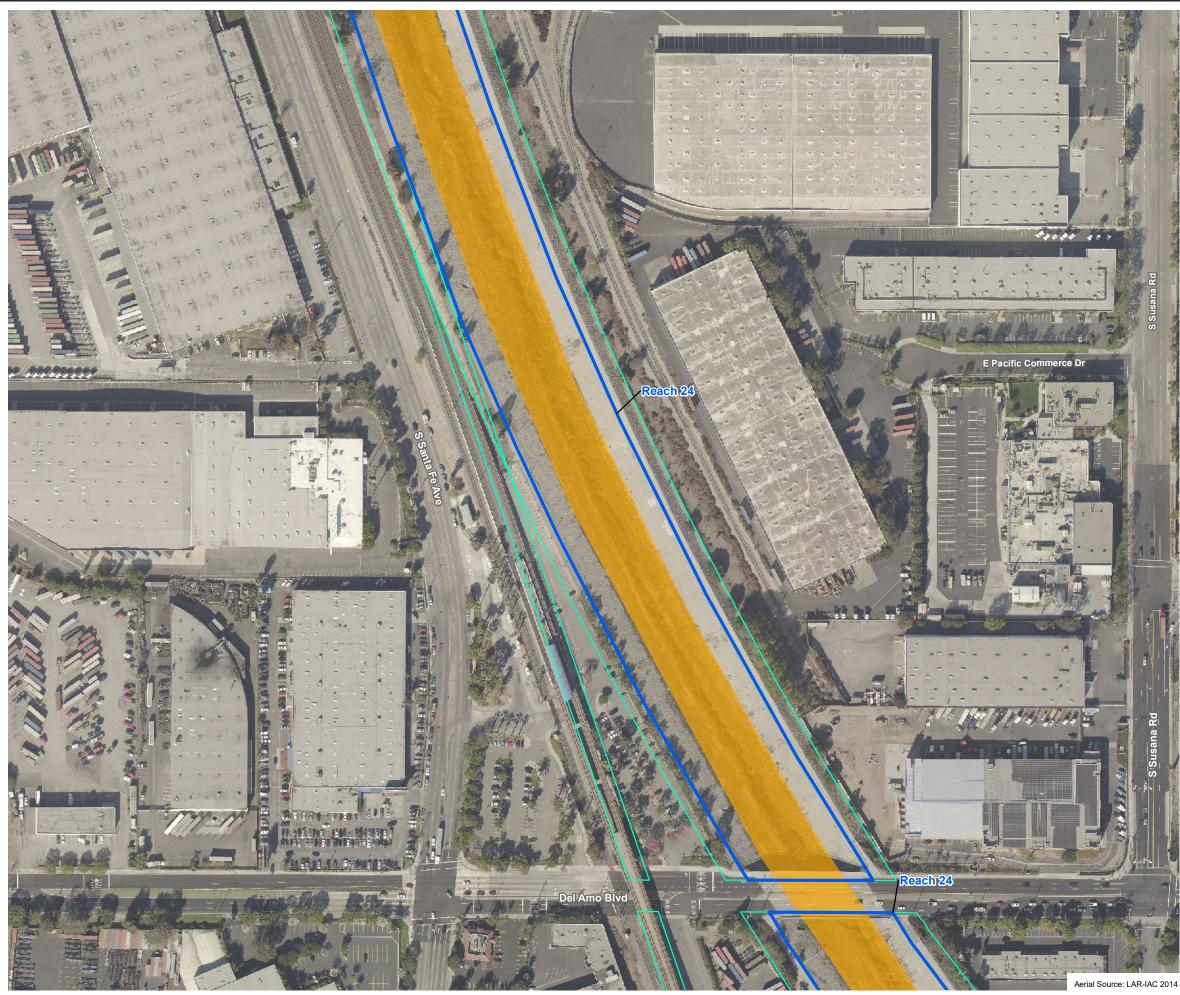
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

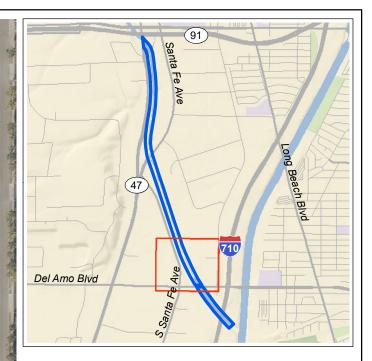
Unmodified preserved polygon: Vegetation rooted in the channel invert that is
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Reach Limits

LACFCD Easements

#### **Preserved Polygons**

Allow Vegetation to Grow

#### Definitions-

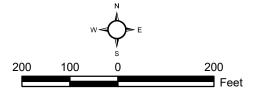
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

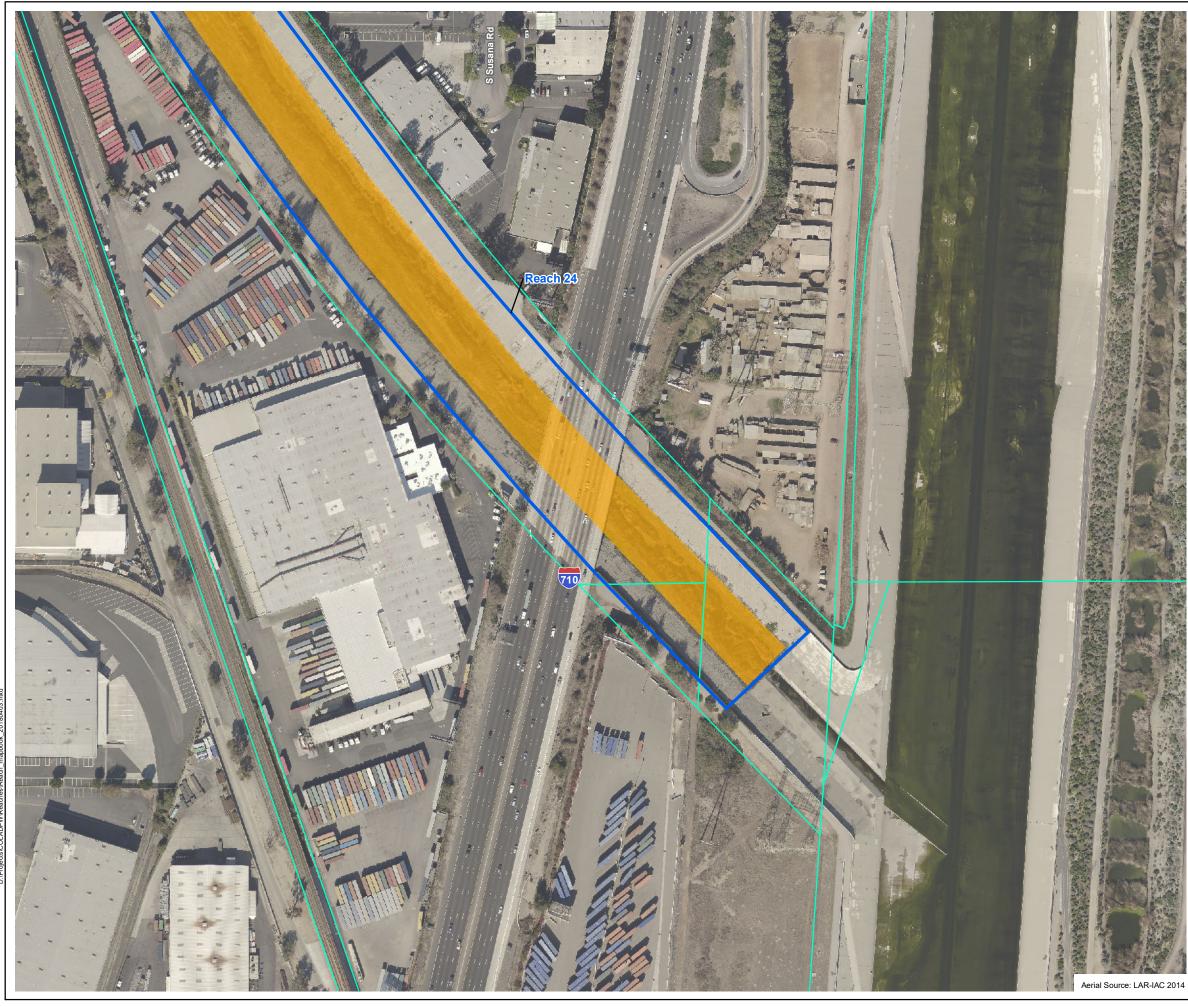
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.





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Reach Limits 

LACFCD Easements

#### **Preserved Polygons**

Allow Vegetation to Grow

Definitions-

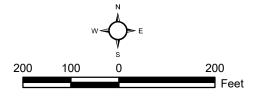
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

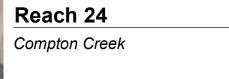
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

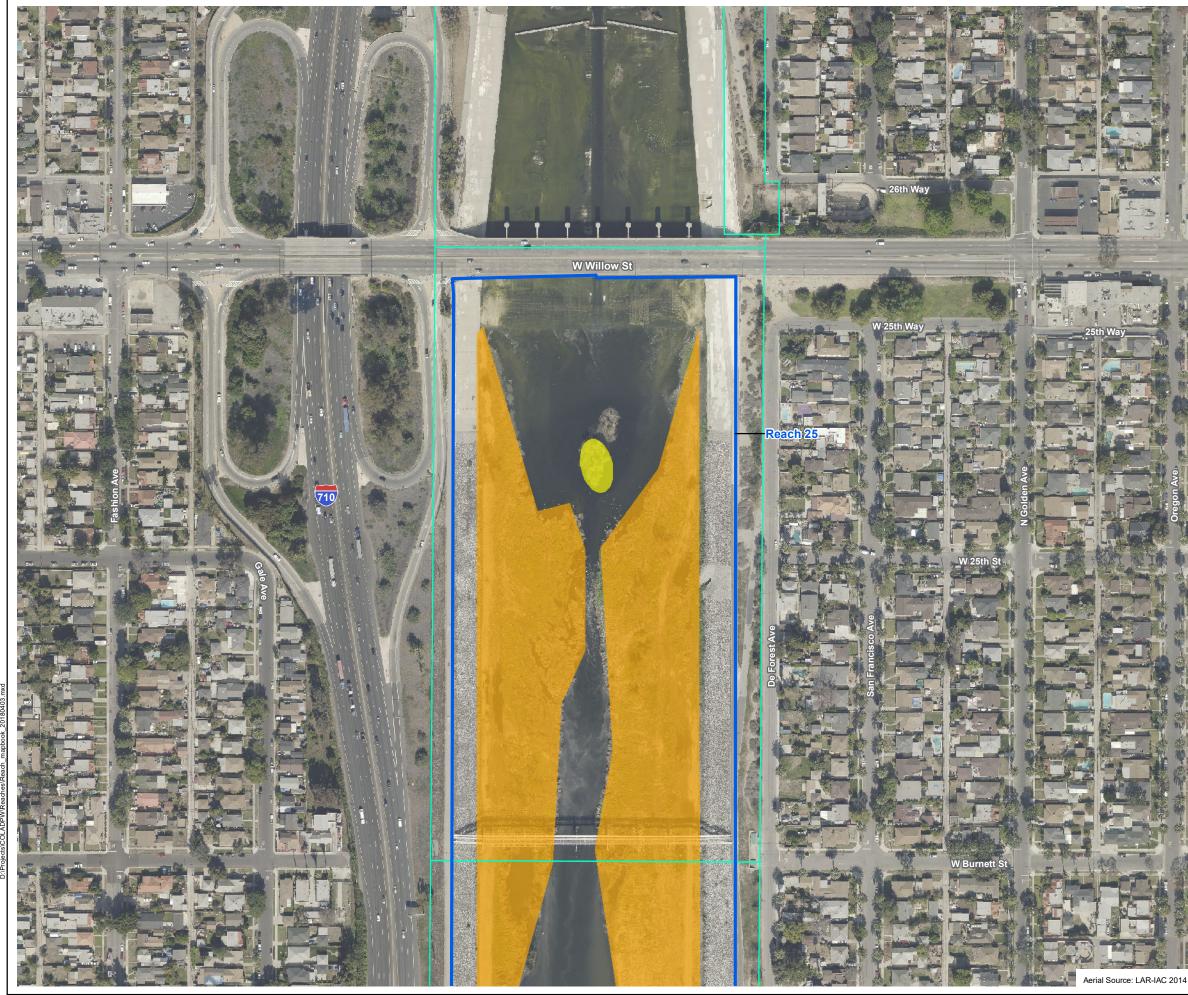
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
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Sheet 6 of 6





Reach Limits

LACFCD Easements

## Preserved Polygons

- Modified Preserved Polygon
- Allow Vegetation to Grow

#### Definitions-

Reach 25

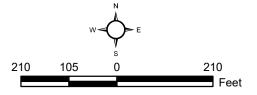
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

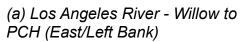
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

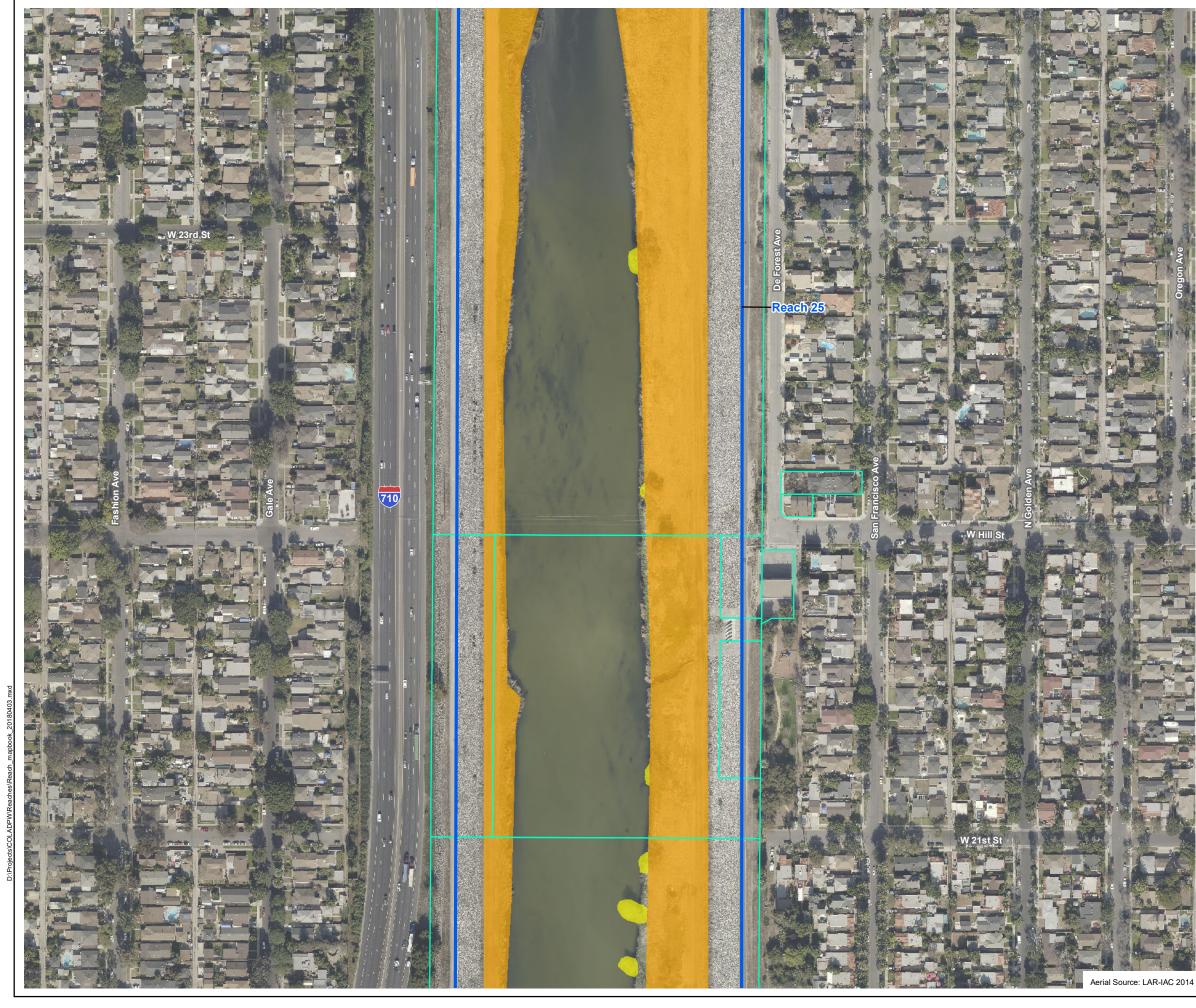
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.











Reach Limits

LACFCD Easements

#### Preserved Polygons

- Modified Preserved Polygon
- Allow Vegetation to Grow

#### Definitions-

Reach 25

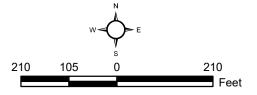
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

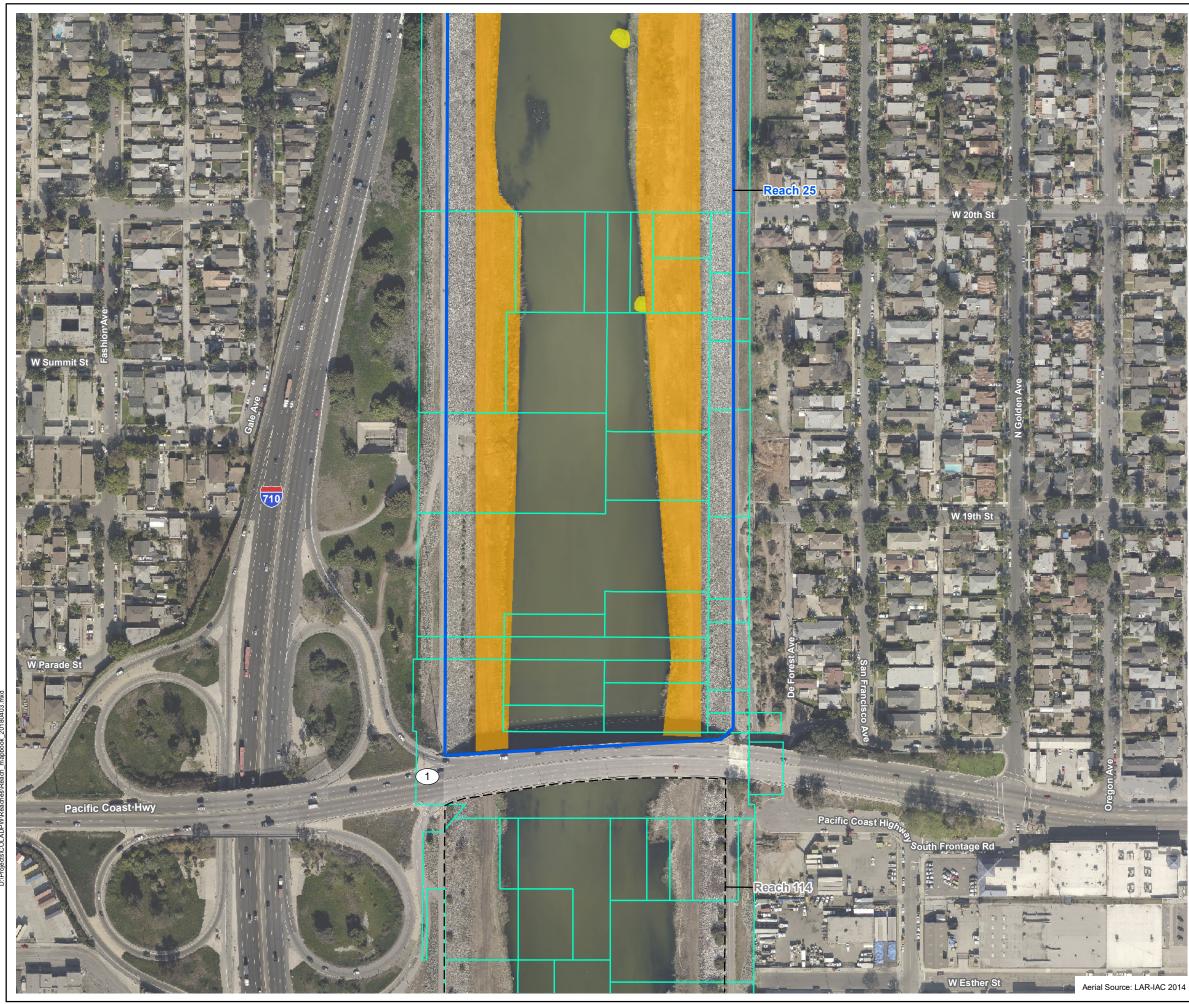
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



## Sheet 2 of 3

PSOMAS

(a) Los Angeles River - Willow to PCH (East/Left Bank)







Reach Limits

- Adjacent Reaches
  - LACFCD Easements

#### Preserved Polygons

- Modified Preserved Polygon
- Allow Vegetation to Grow

#### Definitions-

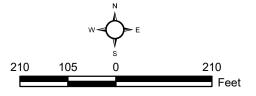
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

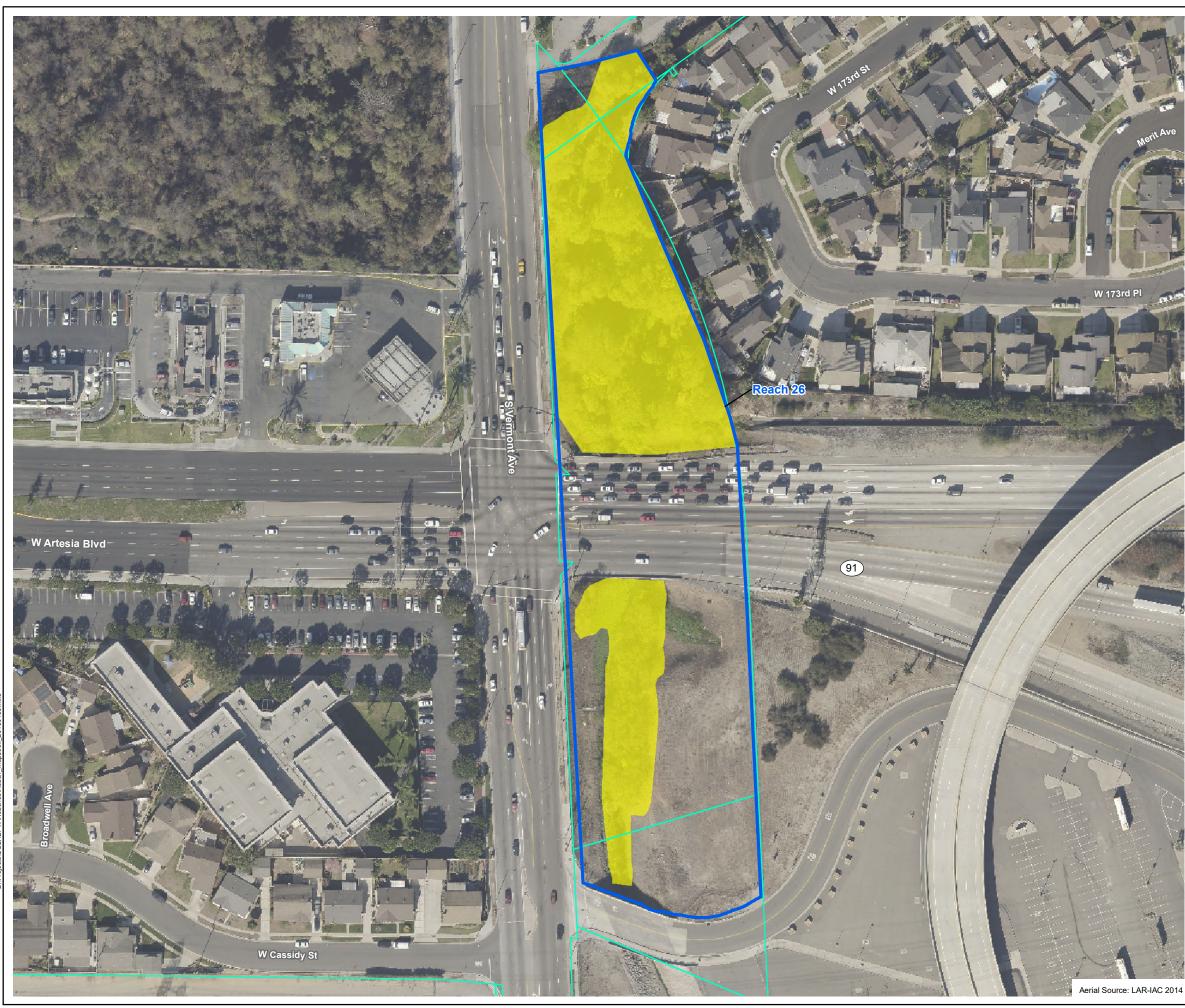
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.











Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

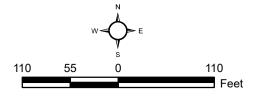
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

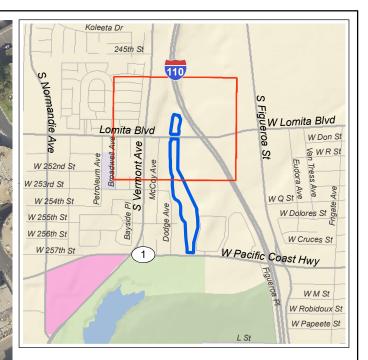
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.











Reach Limits

Prescriptive Rights

LACFCD Easements

#### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

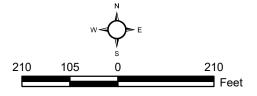
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

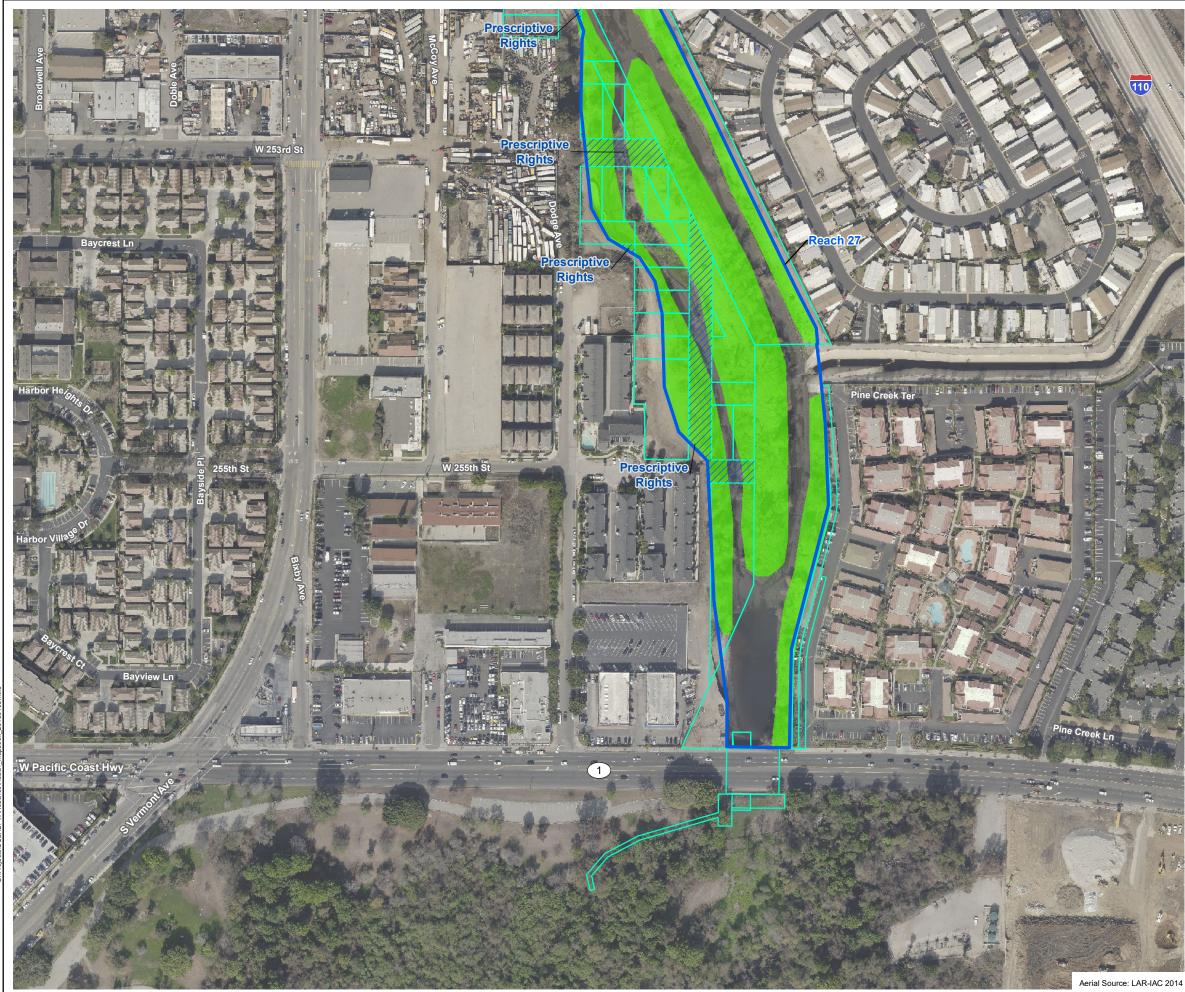
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

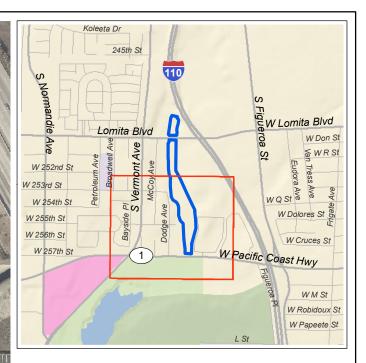
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.





Sheet 1 of 2







Reach Limits

Prescriptive Rights

LACFCD Easements

#### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

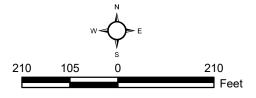
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.





Sheet 2 of 2







Reach Limits

LACFCD Easements

#### **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

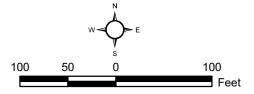
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

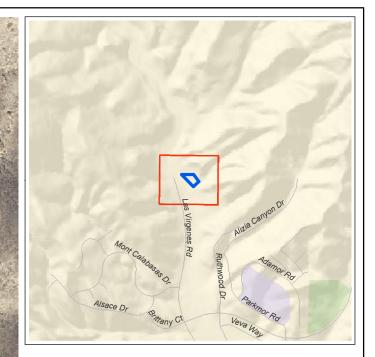
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 28 Triunfo Creek (PD T2200)







Reach Limits

LACFCD Easements

#### **Preserved Polygons**

Unmodified Preserved Polygon

Actively Plant Vegetation

#### Definitions-

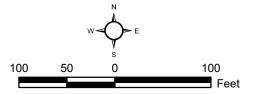
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

## Reach 29 Las Virgenes Creek (PD T1684) M.C.I.









Reach Limits

LACFCD Easements

#### Preserved Polygons

- Unmodified Preserved Polygon
- Actively Plant Vegetation

#### Definitions-

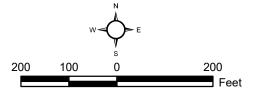
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 32 Stokes Canyon Channel (PD

T043)





Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

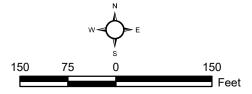
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 33 Medea Creek (PD T1378 U.2)





|      | Reach Limits        |
|------|---------------------|
| ///. | Prescriptive Rights |
|      | LACFCD Easements    |

#### Definitions-

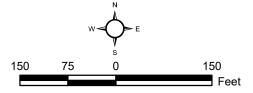
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is
not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 35

Medea Creek M.C.I.-under Route 101





Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

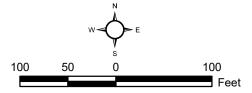
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

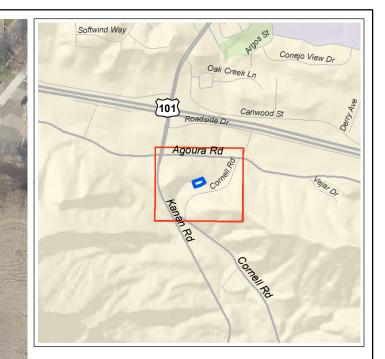
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 36 Cheseboro Main Channel Inlet





Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

Definitions-

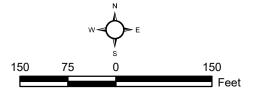
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

## Reach 37 Medea Creek/Cheseboro Creek Outlet





| ///. |  |
|------|--|
|      |  |

Reach Limits

- Prescriptive Rights
- LACFCD Easements

#### Definitions-

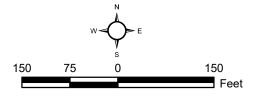
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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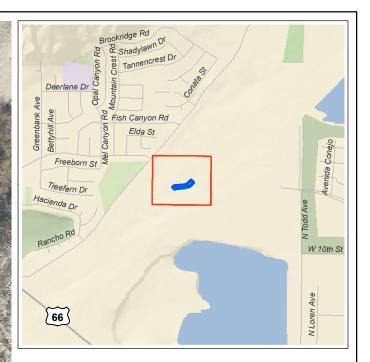
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 38 Lindero M.C.O.





Reach Limits

Prescriptive Rights

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

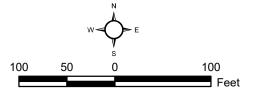
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

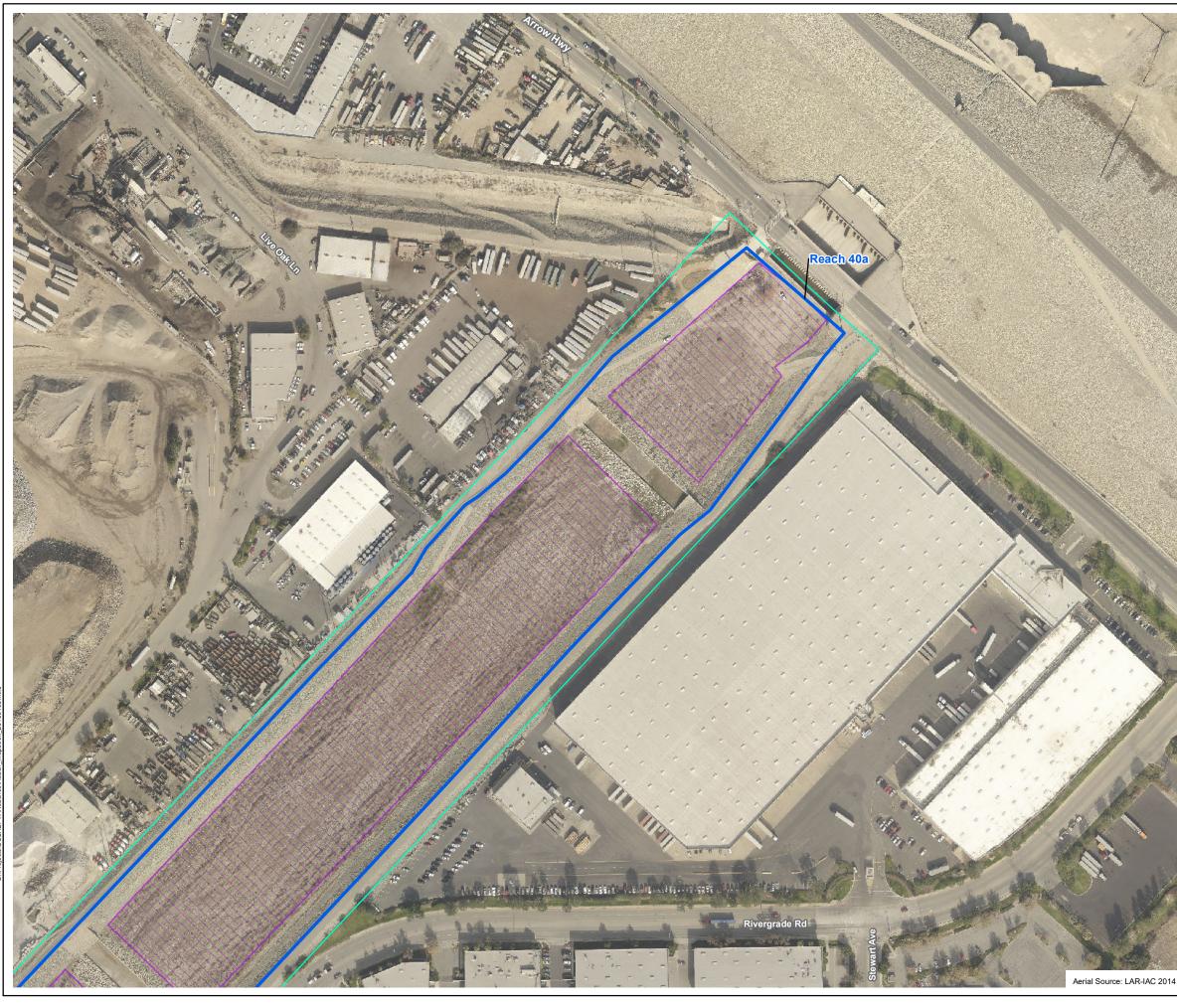
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

## Reach 39

Beatty Channel Outlet at SGR 25+99.00





Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

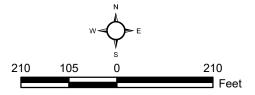
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

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Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

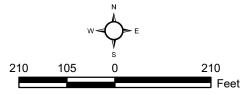
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

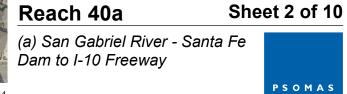
• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

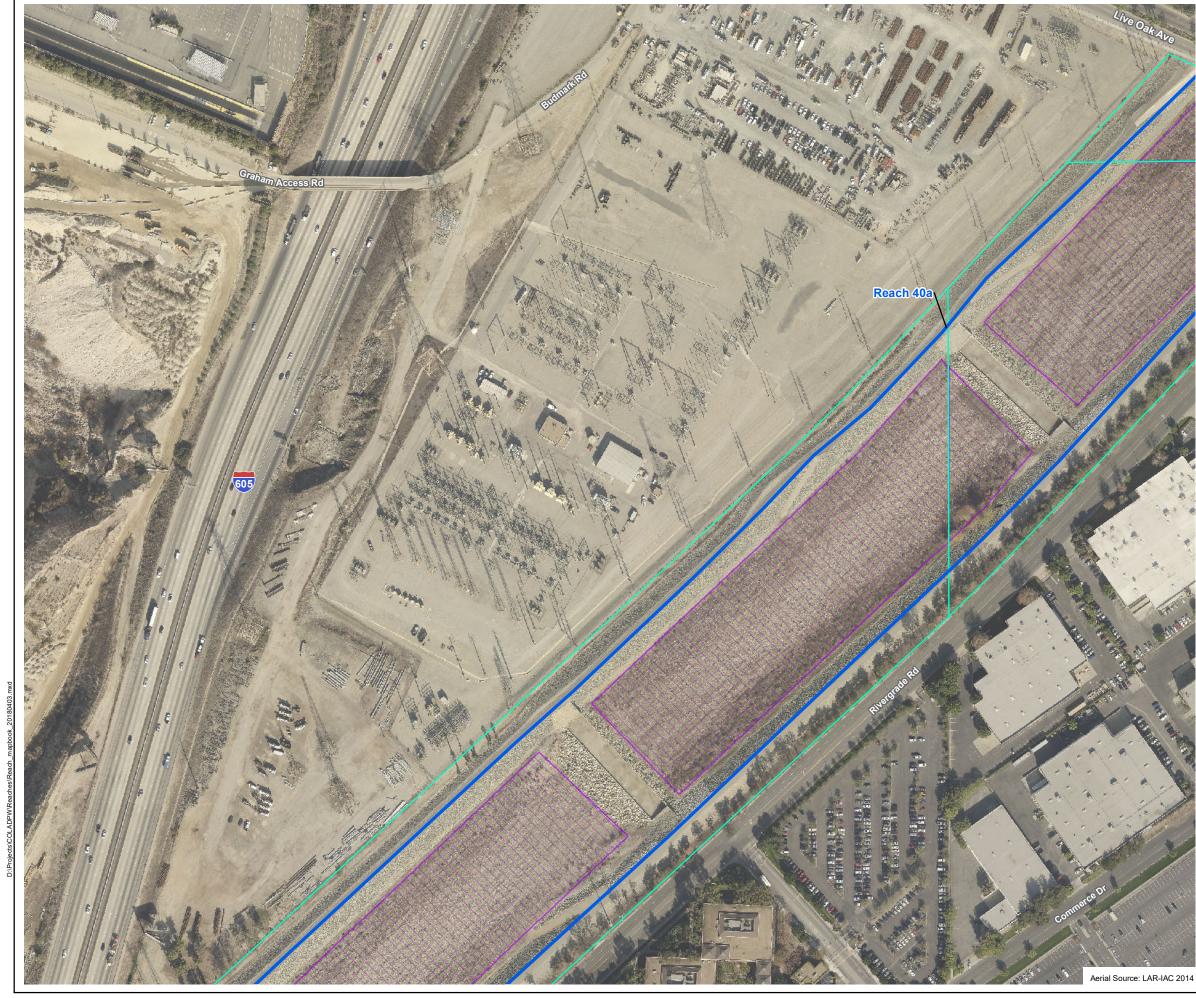
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

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Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

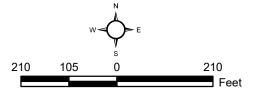
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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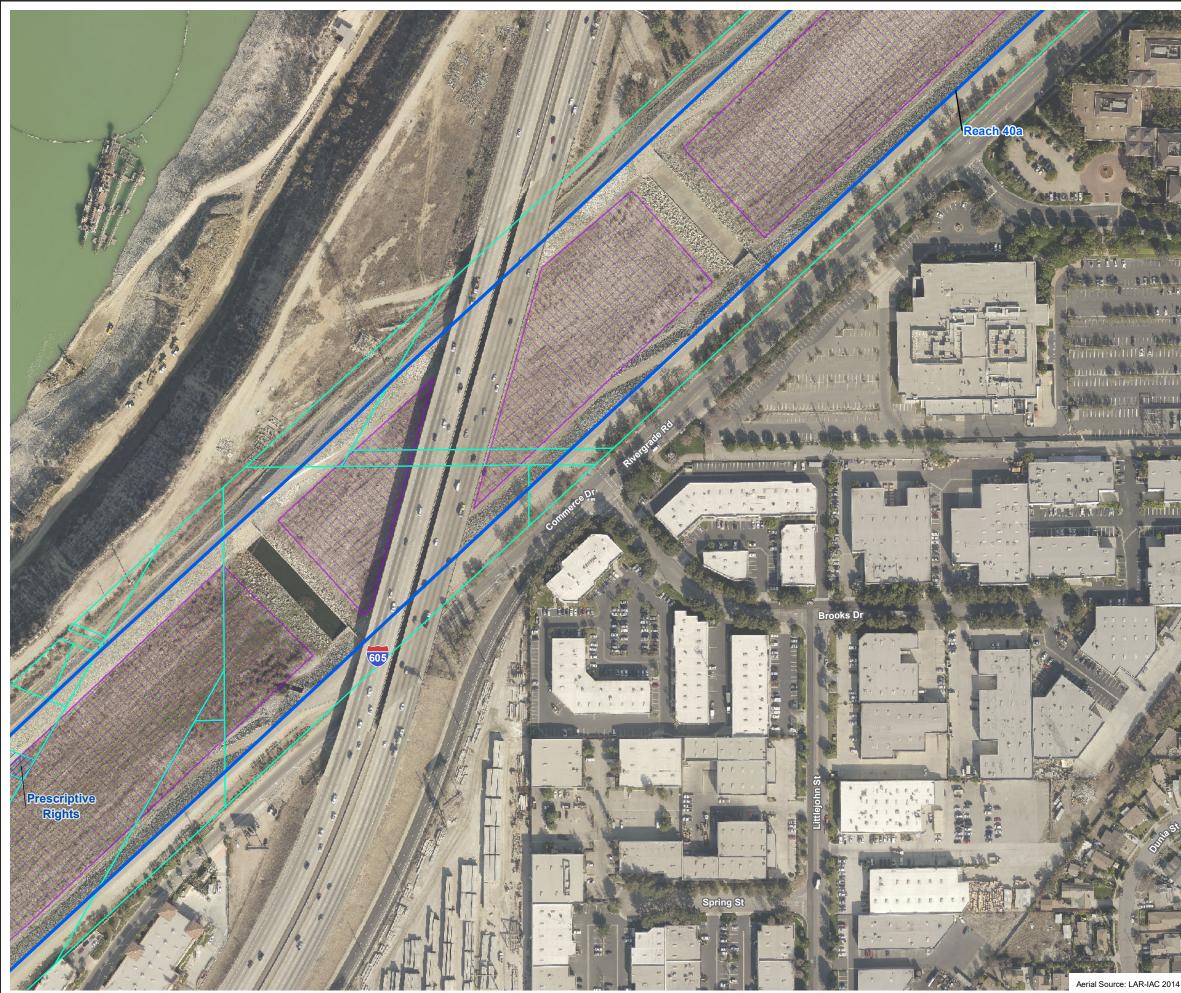




PSOMAS

(a) San Gabriel River - Santa Fe Dam to I-10 Freeway

Reach 40a







Reach Limits

Prescriptive Rights

LACFCD Easements

### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

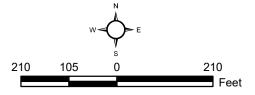
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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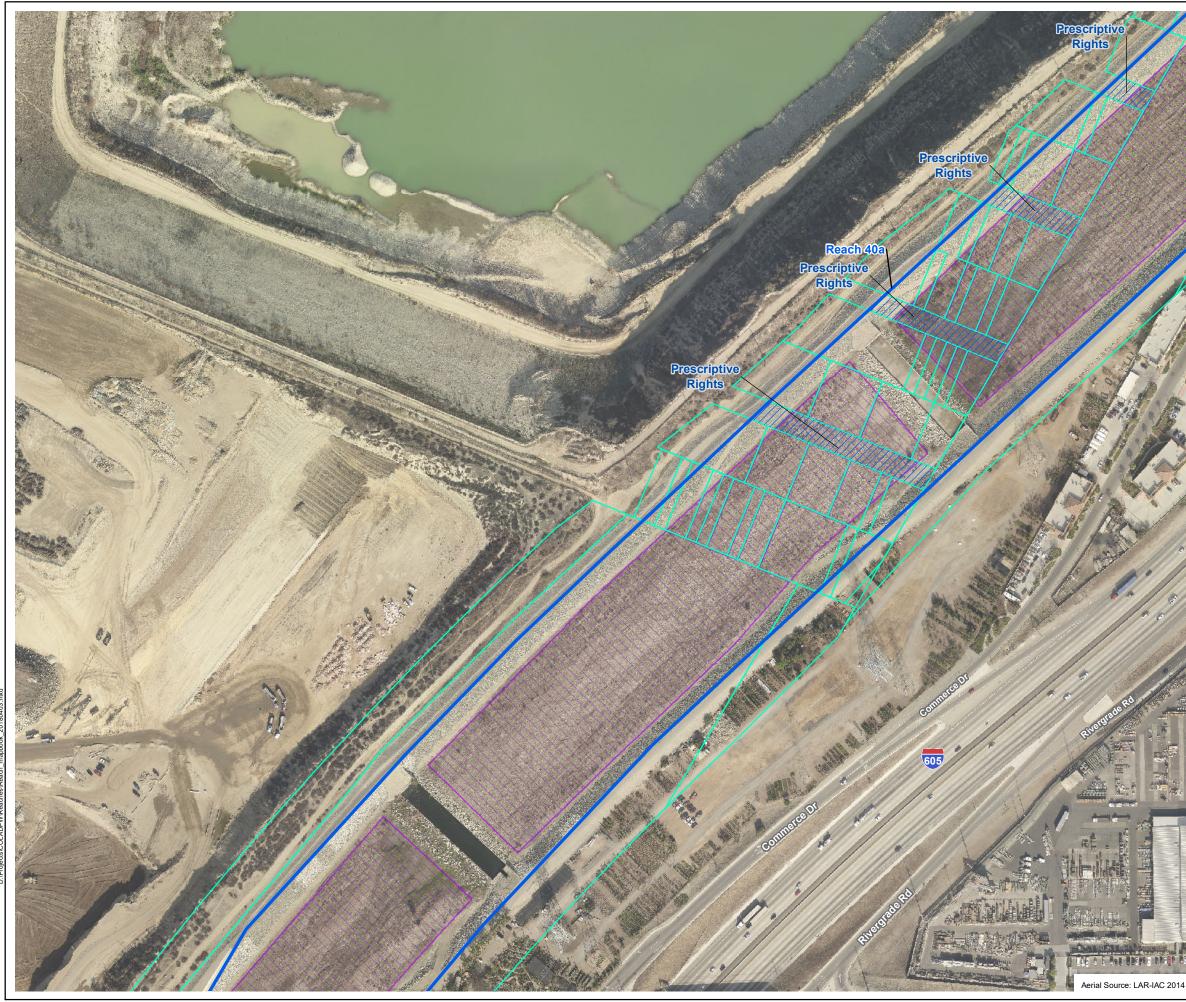


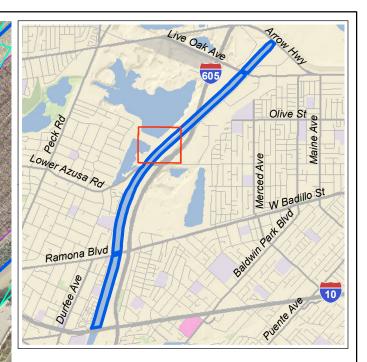
# Sheet 4 of 10

PSOMAS

(a) San Gabriel River - Santa Fe Dam to I-10 Freeway

Reach 40a







Reach Limits

Prescriptive Rights

LACFCD Easements

### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

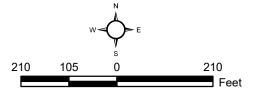
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

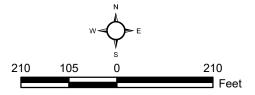
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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## Sheet 6 of 10

PSOMAS

(a) San Gabriel River - Santa Fe Dam to I-10 Freeway

Reach 40a







Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

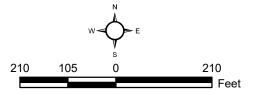
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

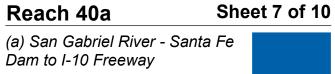
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

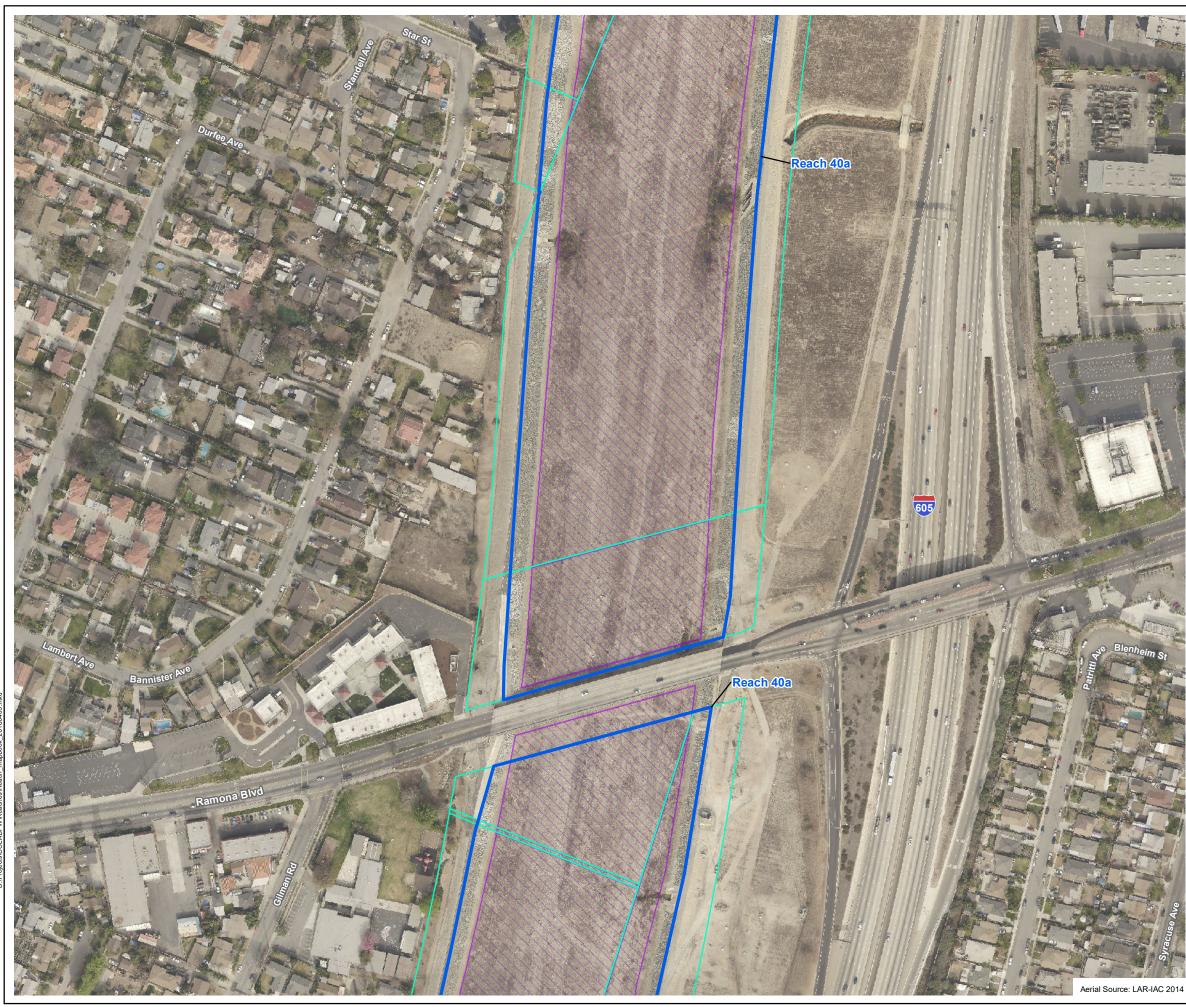
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

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Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

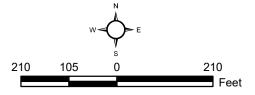
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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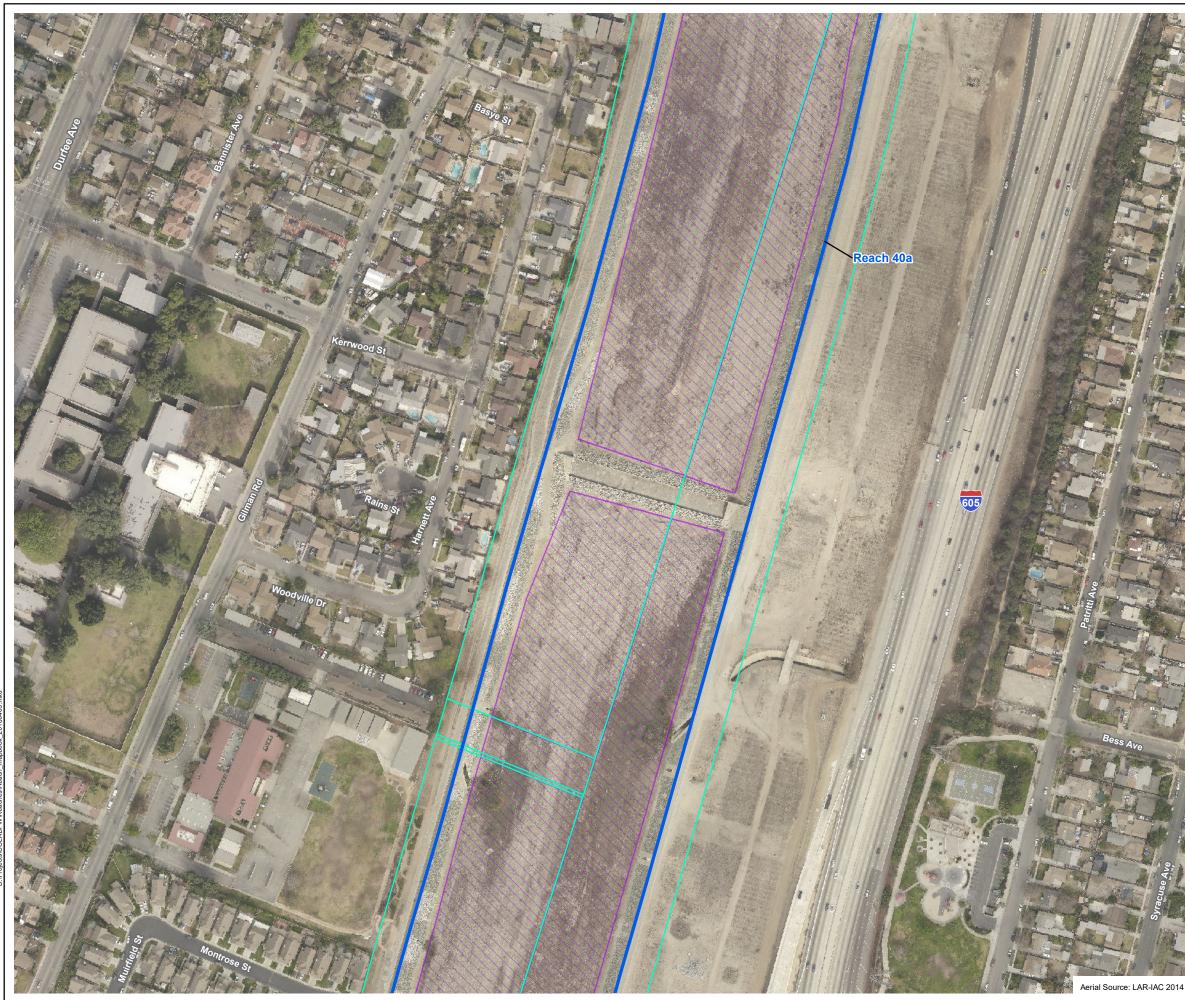




PSOMAS

(a) San Gabriel River - Santa Fe Dam to I-10 Freeway

Reach 40a







Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

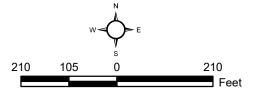
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

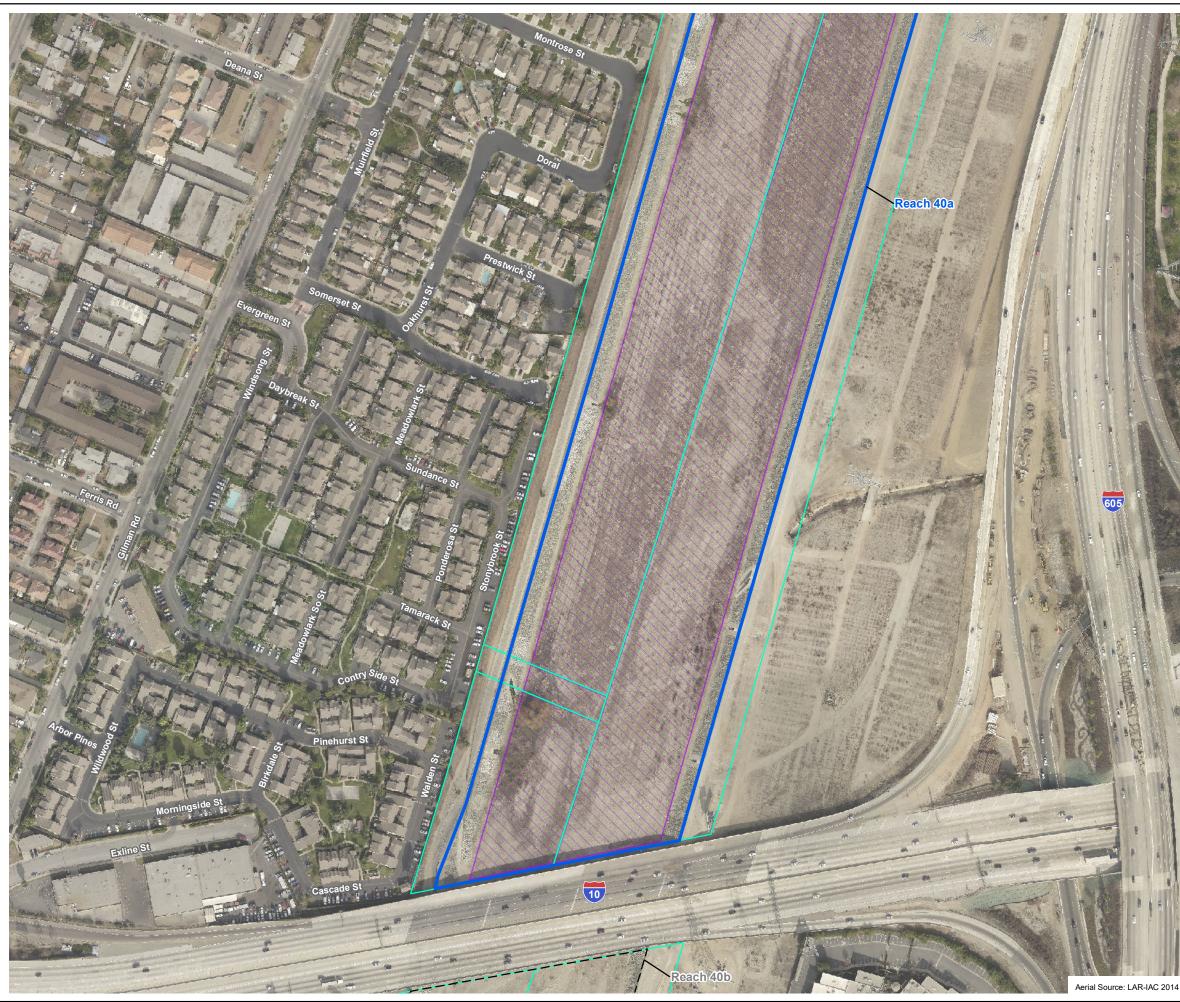
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

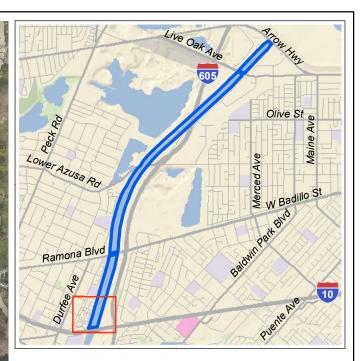
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.





PSOMAS





Reach Limits

Adjacent Reaches

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

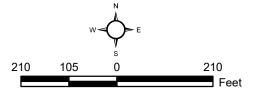
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PSOMAS







Adjacent Reaches

LACFCD Easements

## Preserved Polygons



#### Definitions-

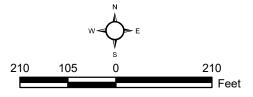
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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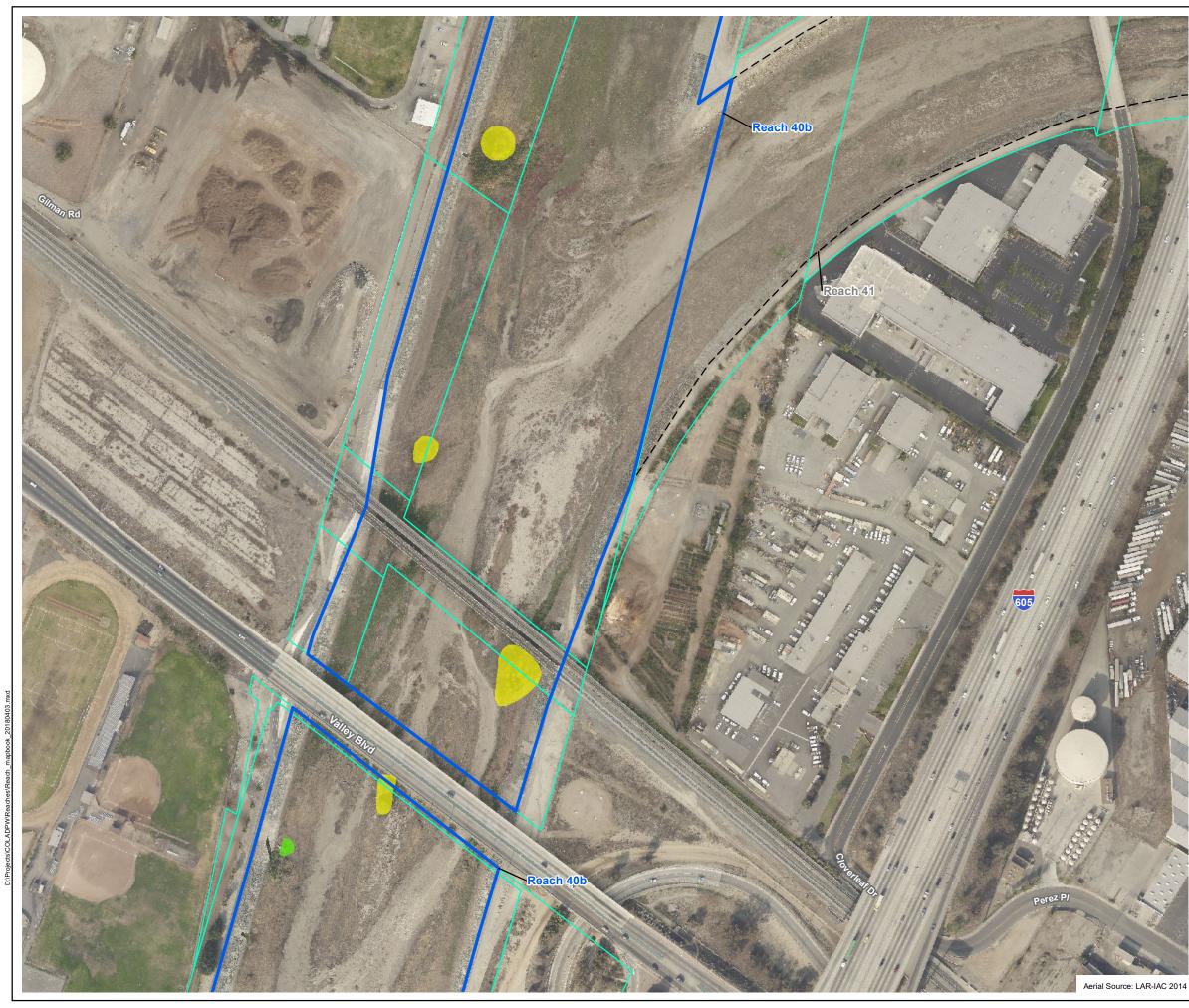


Sheet 1 of 6

PSOMAS

# Reach 40b

(b) San Gabriel River - I-10 Freeway to Thienes Avenue



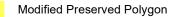




Reach Limits

- \_\_\_\_ Adjacent Reaches
  - LACFCD Easements

#### Preserved Polygons



Unmodified Preserved Polygon

#### Definitions-

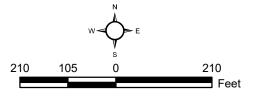
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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# Reach 40b

(b) San Gabriel River - I-10 Freeway to Thienes Avenue

# Sheet 2 of 6











Reach Limits

LACFCD Easements

#### **Preserved Polygons**



Modified Preserved Polygon

Unmodified Preserved Polygon

#### Definitions-

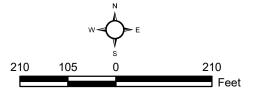
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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# Reach 40b

Sheet 3 of 6

PSOMAS

(b) San Gabriel River - I-10 Freeway to Thienes Avenue







Reach Limits

LACFCD Easements

#### **Preserved Polygons**



Modified Preserved Polygon

Unmodified Preserved Polygon

#### Definitions-

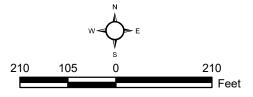
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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# Reach 40b

(b) San Gabriel River - I-10 Freeway to Thienes Avenue

# Sheet 4 of 6









Reach Limits

LACFCD Easements

#### **Preserved Polygons**



Modified Preserved Polygon

Unmodified Preserved Polygon

#### Definitions-

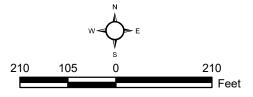
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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# Reach 40b

(b) San Gabriel River - I-10 Freeway to Thienes Avenue

# Sheet 5 of 6









Reach Limits

- Prescriptive Rights
  - LACFCD Easements

#### Preserved Polygons

- Modified Preserved Polygon
- Unmodified Preserved Polygon

#### Definitions-

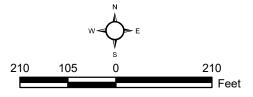
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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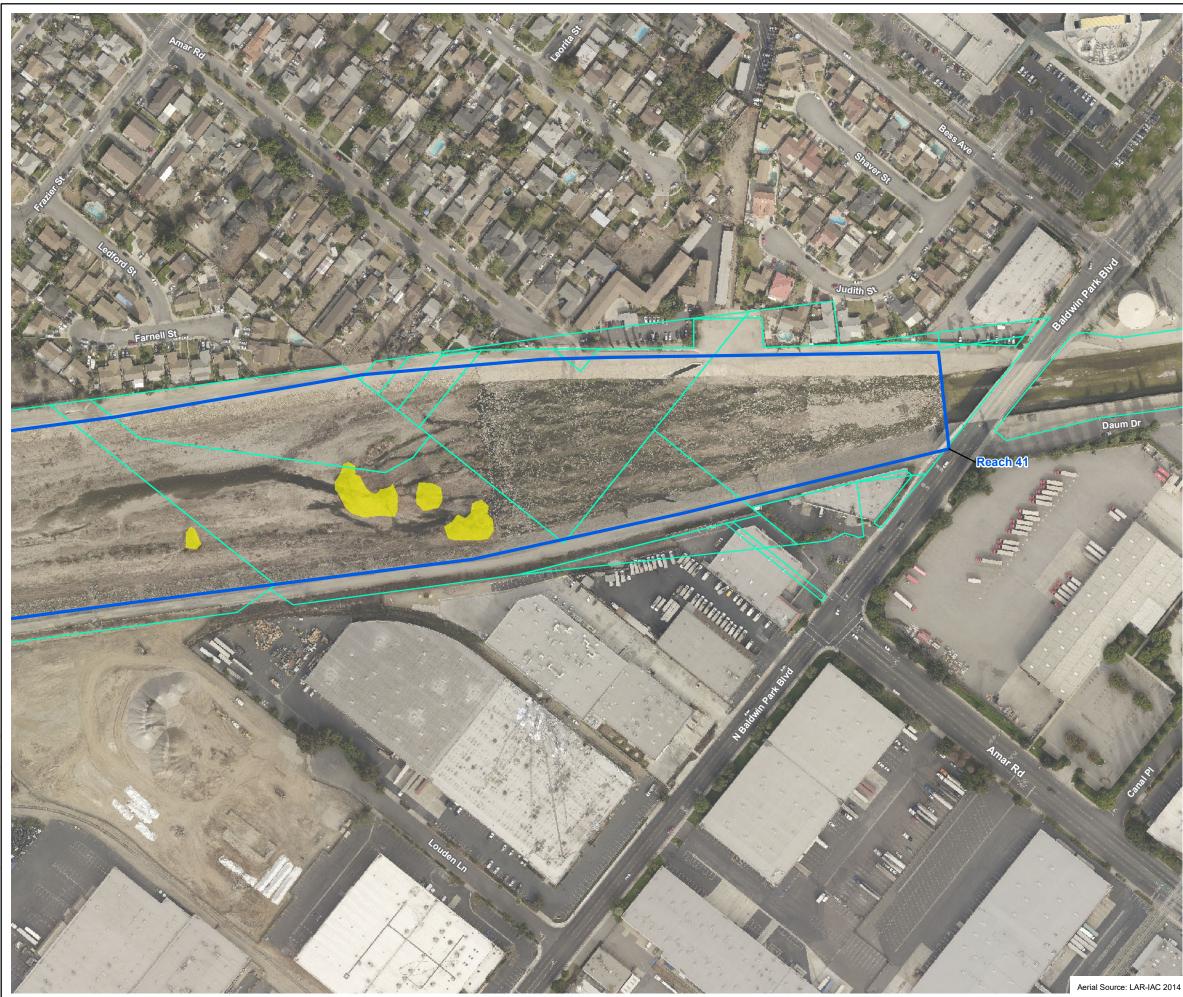


# Reach 40b

(b) San Gabriel River - I-10 Freeway to Thienes Avenue

# Sheet 6 of 6







Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

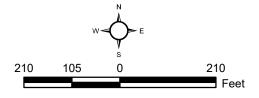
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

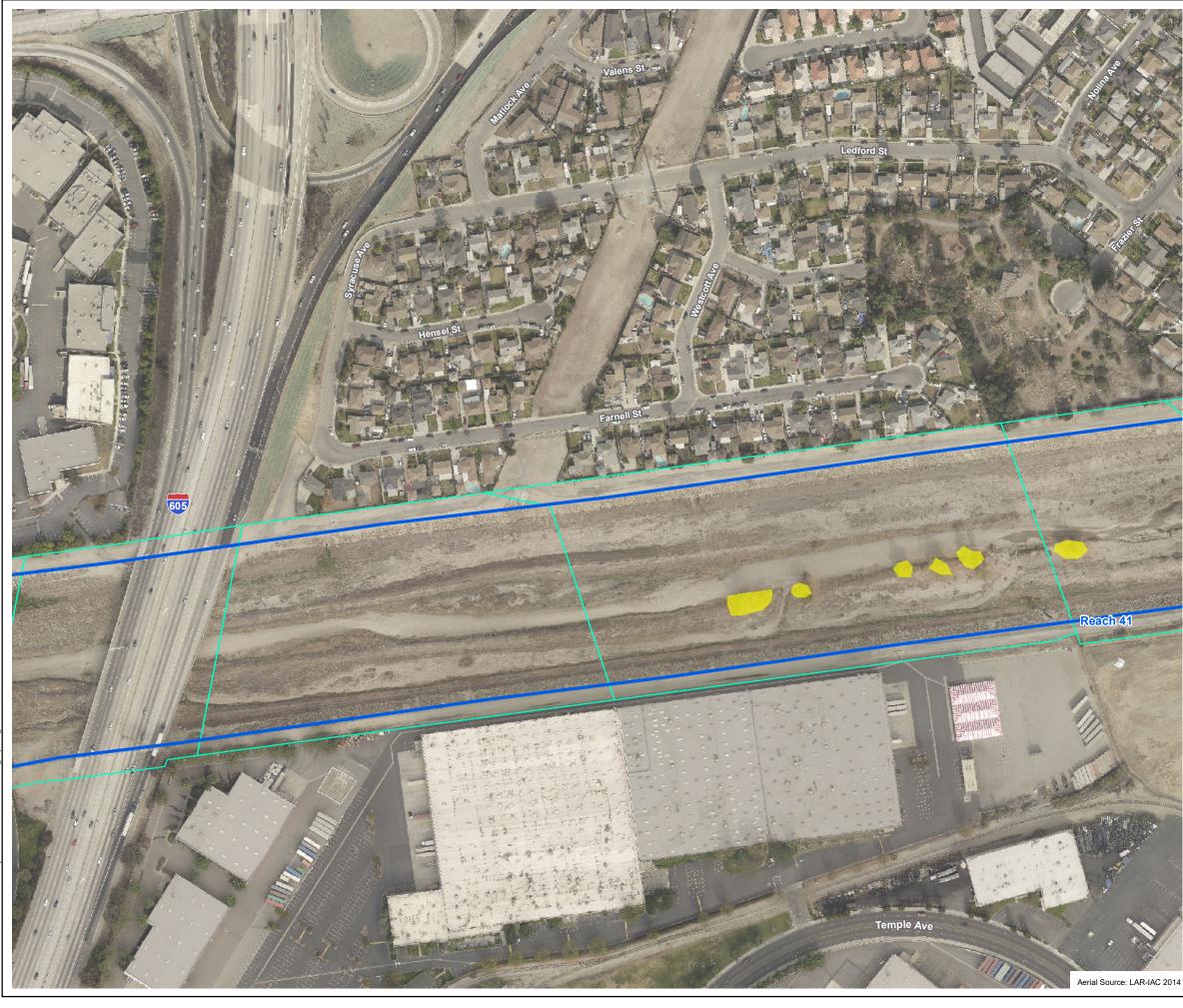
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

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Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

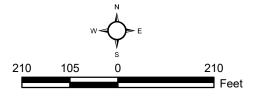
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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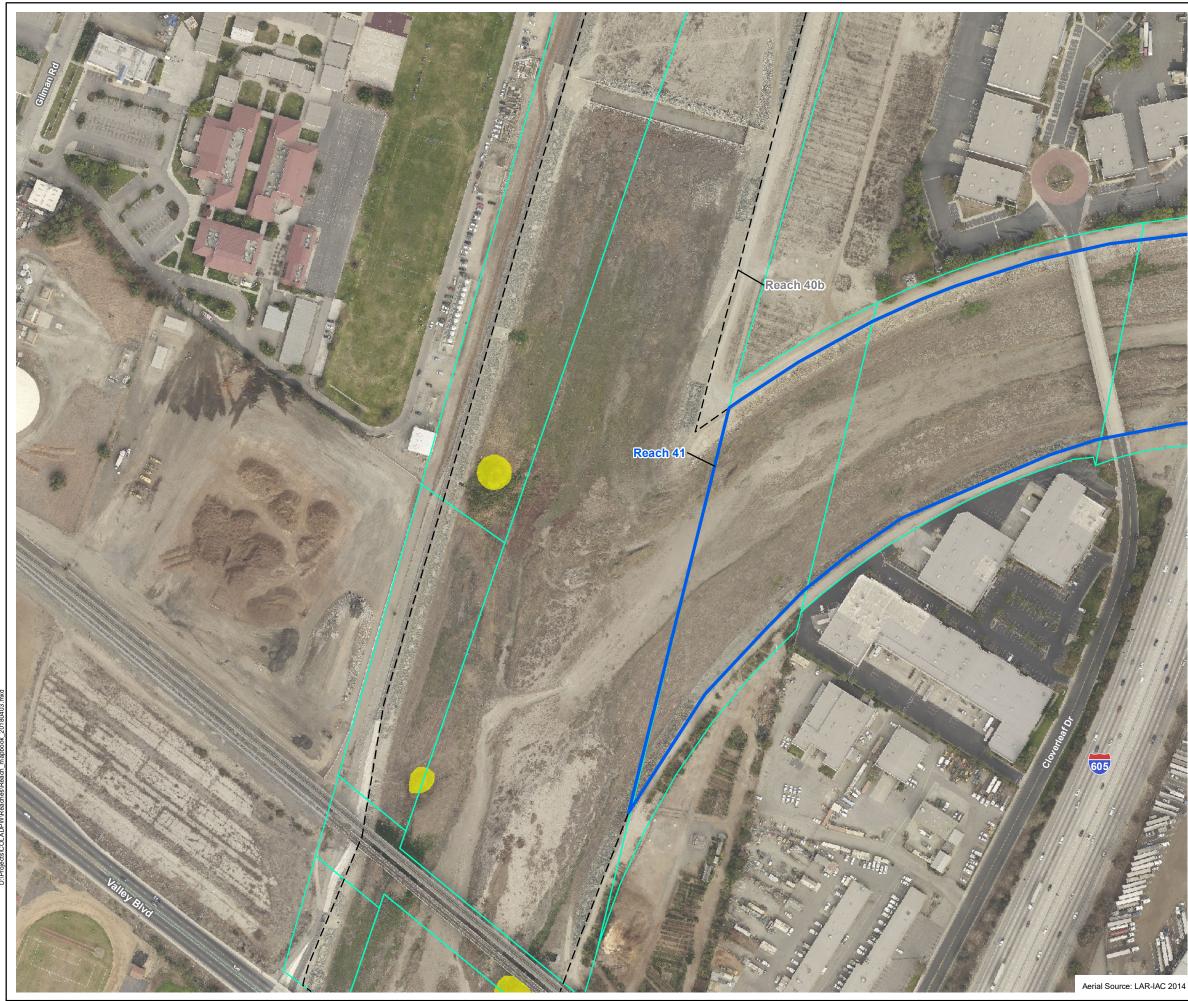
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Reach Limits

Adjacent Reaches

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

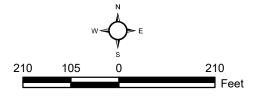
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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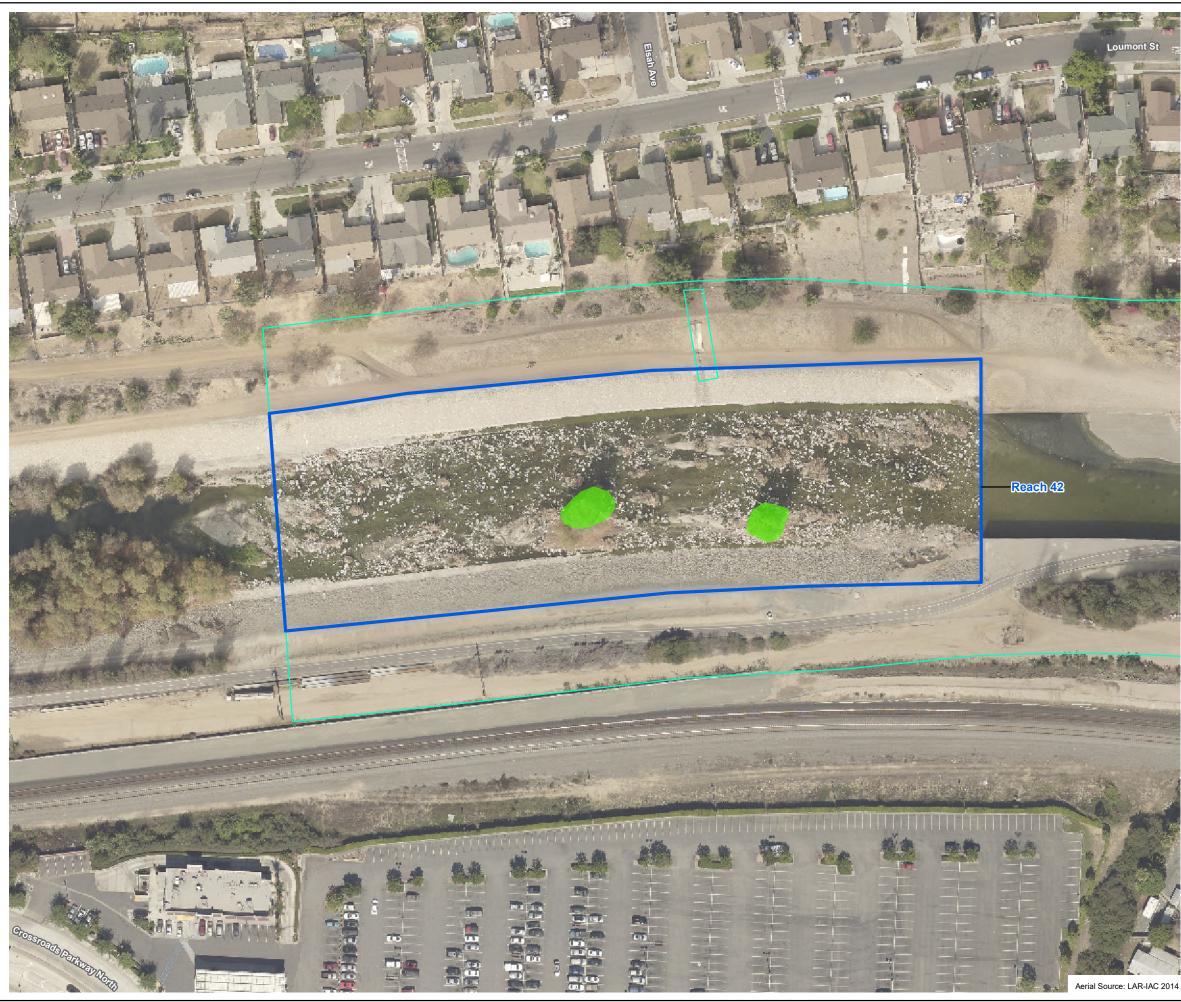
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

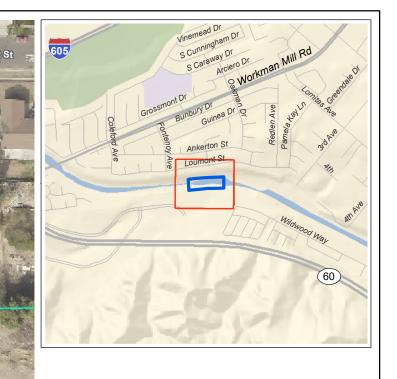
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

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Reach Limits

LACFCD Easements

#### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

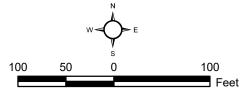
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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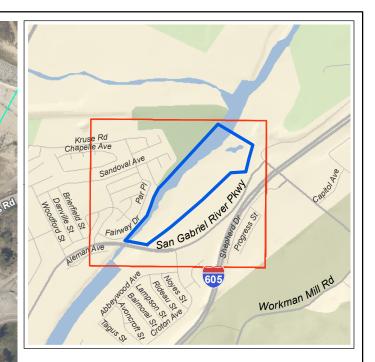


PSOMAS

# Reach 42

San Jose Creek d/s 1000- from end of concrete channel







Unmodified Preserved Polygon

#### Definitions-

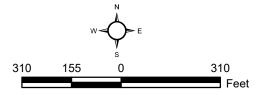
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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PSOMAS

# Reach 43a (a) San Gabriel River- Upper



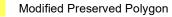
Banta R Dork St Tilmont St Melita St E Bevery Bive S Bartolo Ave Beverly Rd every Biza Stephens St TTIII ST



Reach Limits

- \_\_\_\_ Adjacent Reaches
  - LACFCD Easements

#### **Preserved Polygons**



Unmodified Preserved Polygon

#### Definitions-

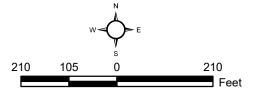
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

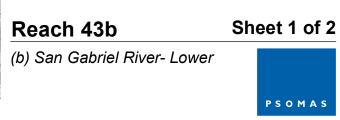
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Reach Limits

\_\_\_\_ Adjacent Reaches

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

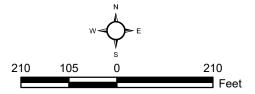
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

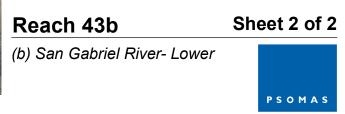
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Reach Limits

Adjacent Reaches

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

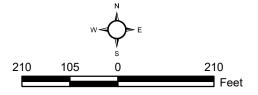
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Sheet 1 of 14 Reach 44 San Gabriel River - Rubber Dams PSOMAS





Reach Limits

LACFCD Easements

## Preserved Polygons

Modified Preserved Polygon

Definitions-

Reach 44

Dams

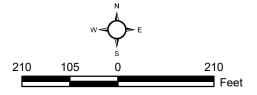
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

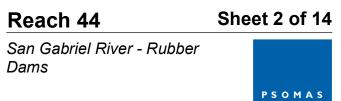
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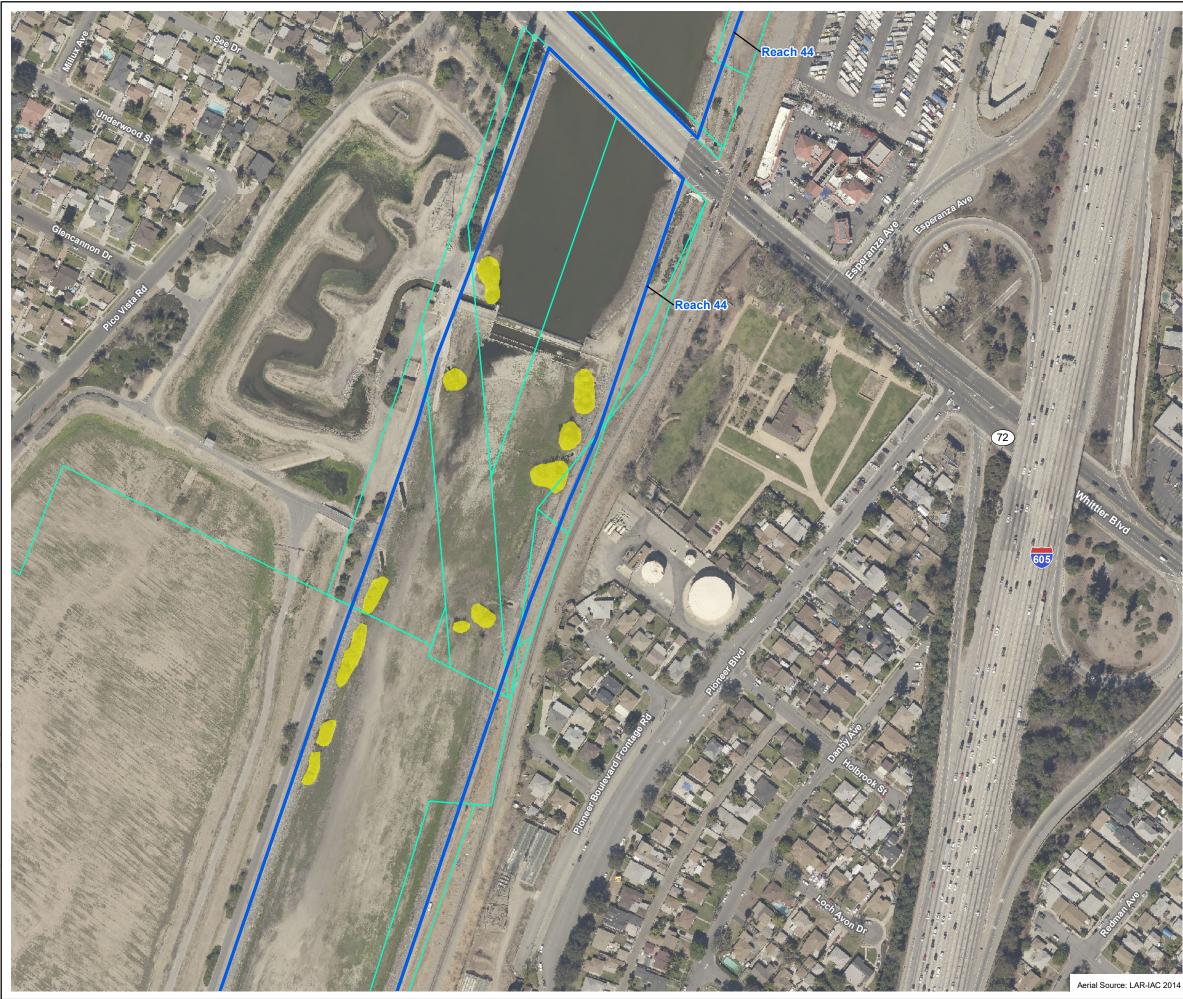
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

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Reach Limits

LACFCD Easements

## Preserved Polygons

Modified Preserved Polygon

Definitions-

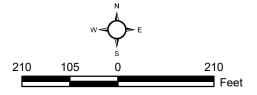
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

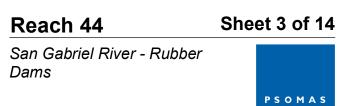
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Reach Limits

Prescriptive Rights

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

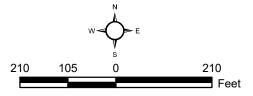
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

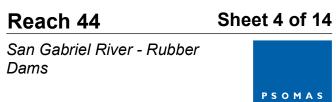
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Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

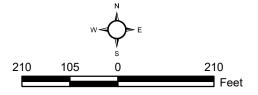
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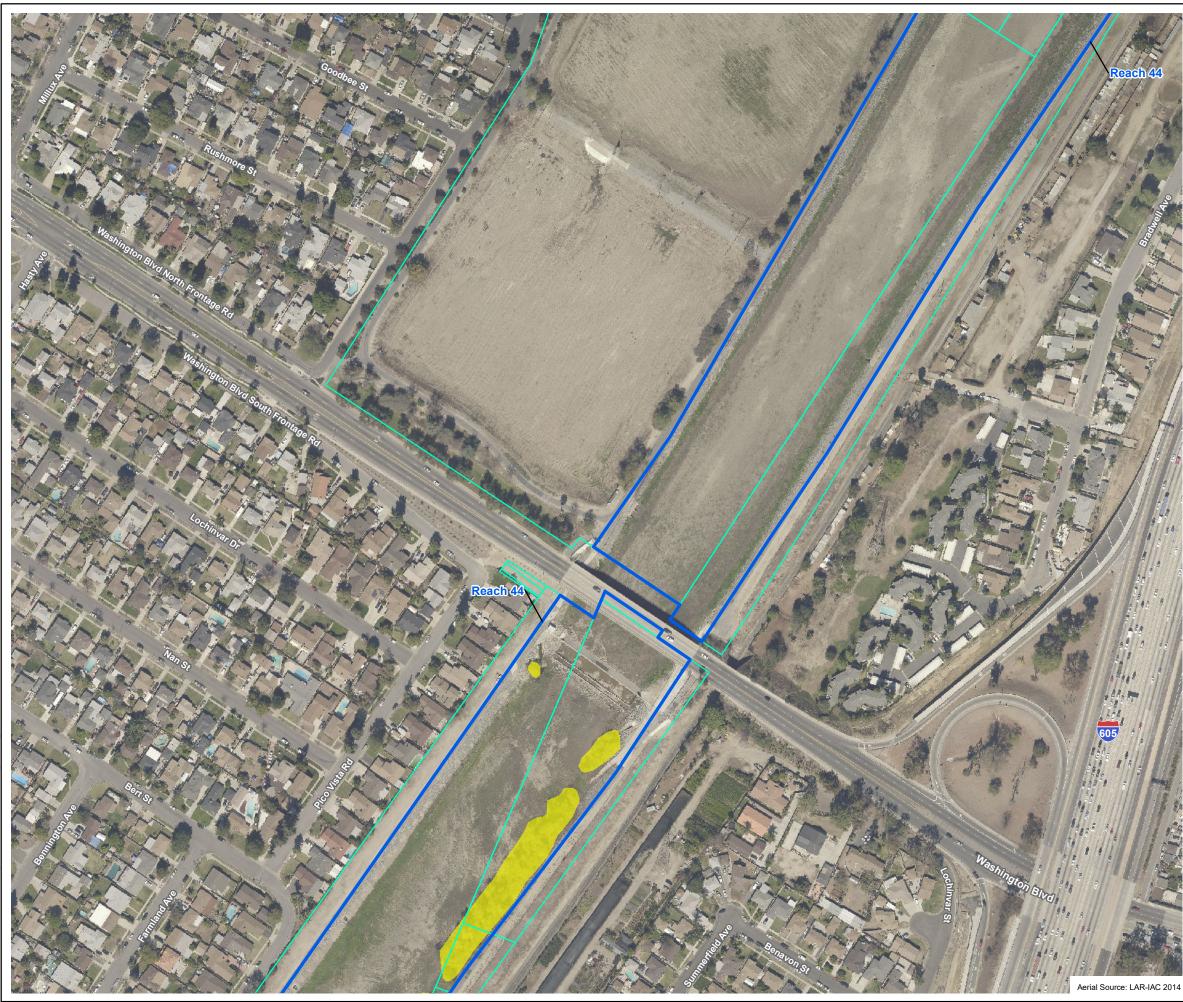
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PSOMAS

Sheet 5 of 14 Reach 44 San Gabriel River - Rubber Dams







Reach Limits

LACFCD Easements

## Preserved Polygons

Modified Preserved Polygon

#### Definitions-

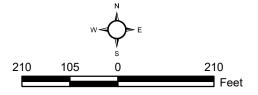
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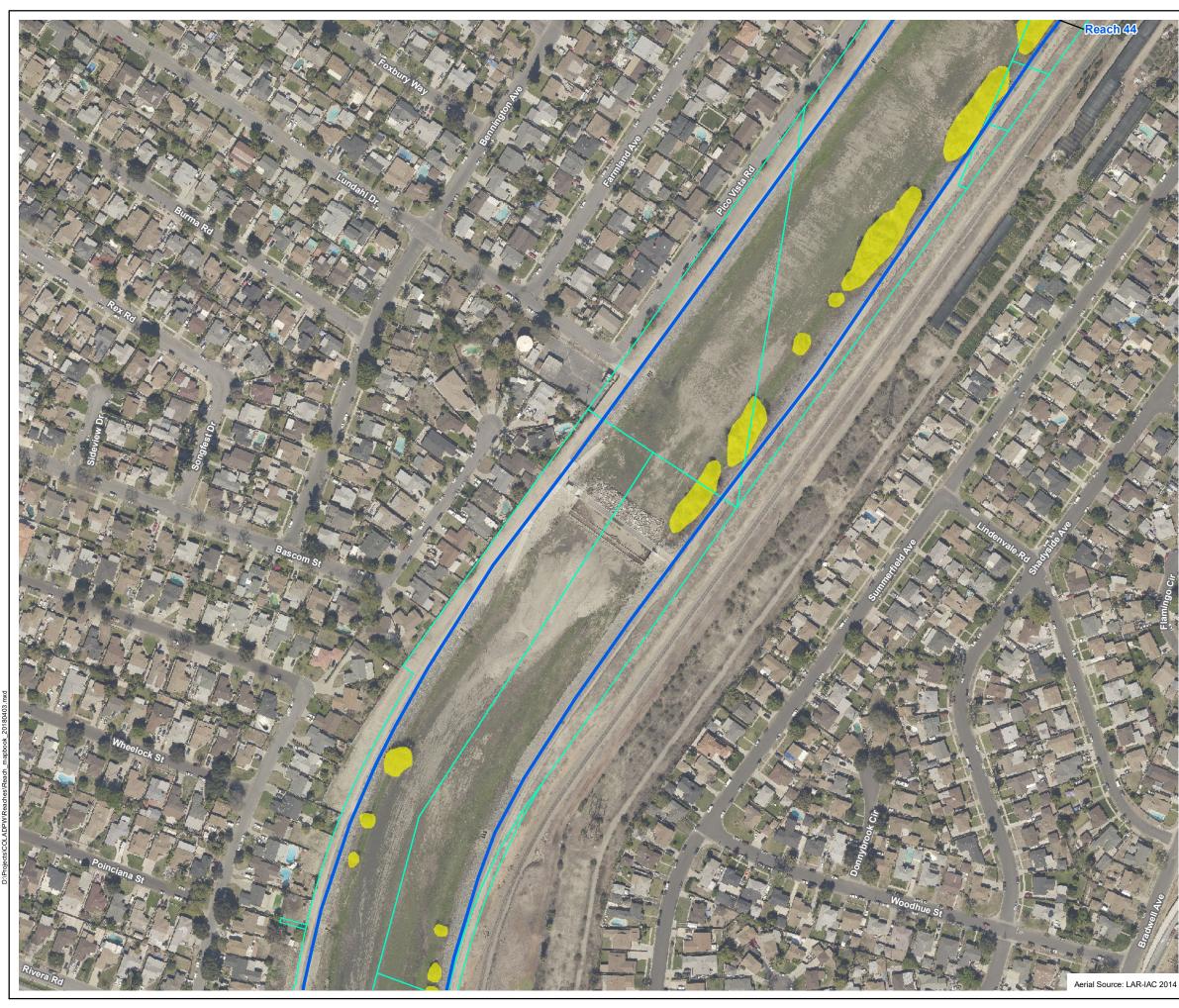
Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.





Reach 44







Reach Limits

LACFCD Easements

## Preserved Polygons

Modified Preserved Polygon

Definitions-

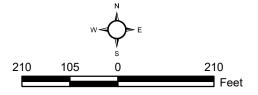
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

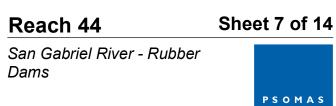
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

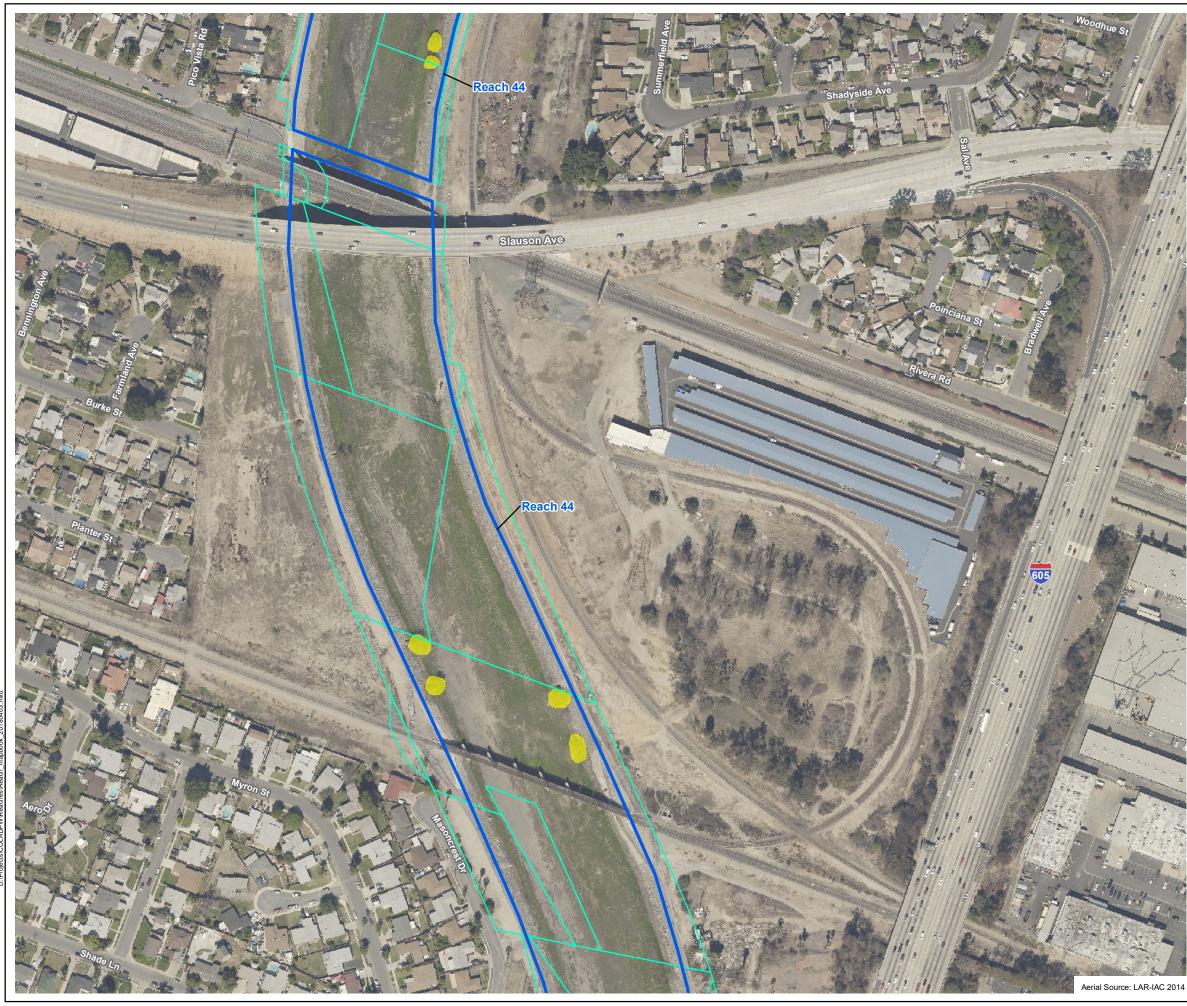
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.









Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

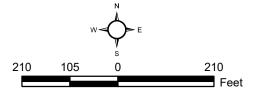
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



Sheet 8 of 14 Reach 44 San Gabriel River - Rubber Dams PSOMAS







#### Definitions-

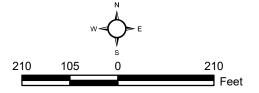
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



Reach 44 Sheet 9 of 14 San Gabriel River - Rubber Dams PSOMAS





Reach Limits

LACFCD Easements

## Preserved Polygons

Modified Preserved Polygon

#### Definitions-

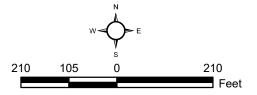
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

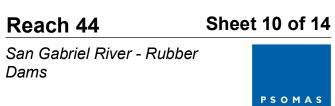
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

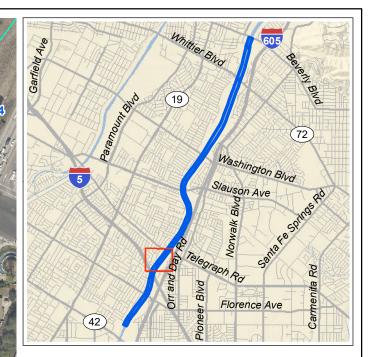
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

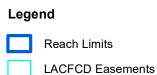
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.











#### Definitions-

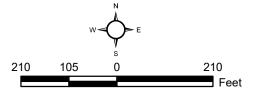
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

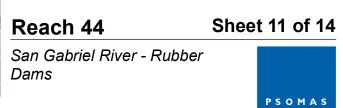
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

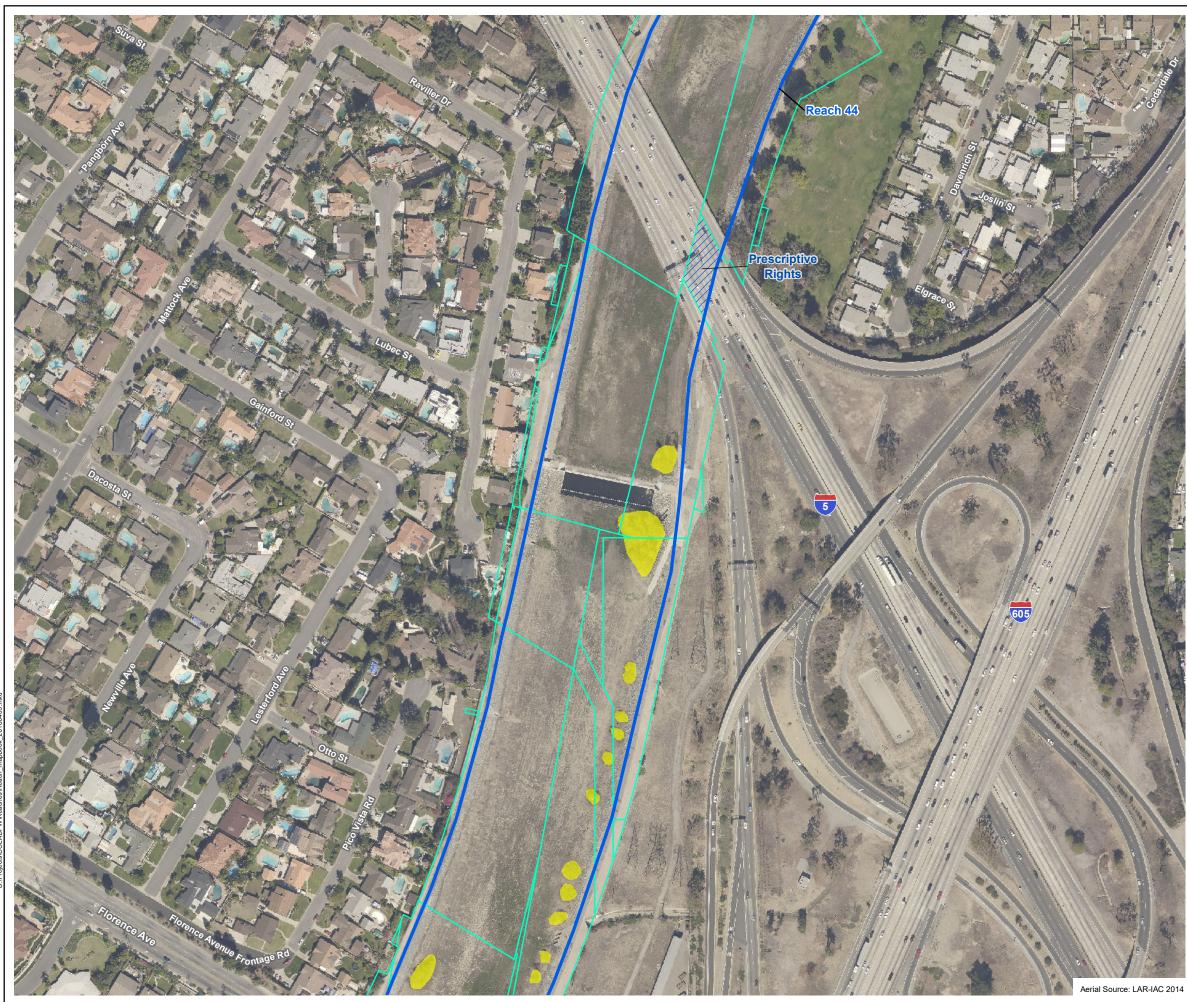
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

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Reach Limits

Prescriptive Rights

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

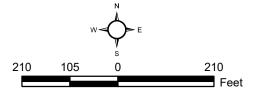
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is
not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



Sheet 12 of 14 Reach 44 San Gabriel River - Rubber Dams PSOMAS





Reach Limits

LACFCD Easements

## Preserved Polygons

Modified Preserved Polygon

Definitions-

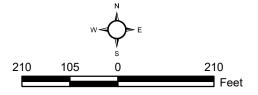
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

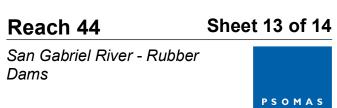
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

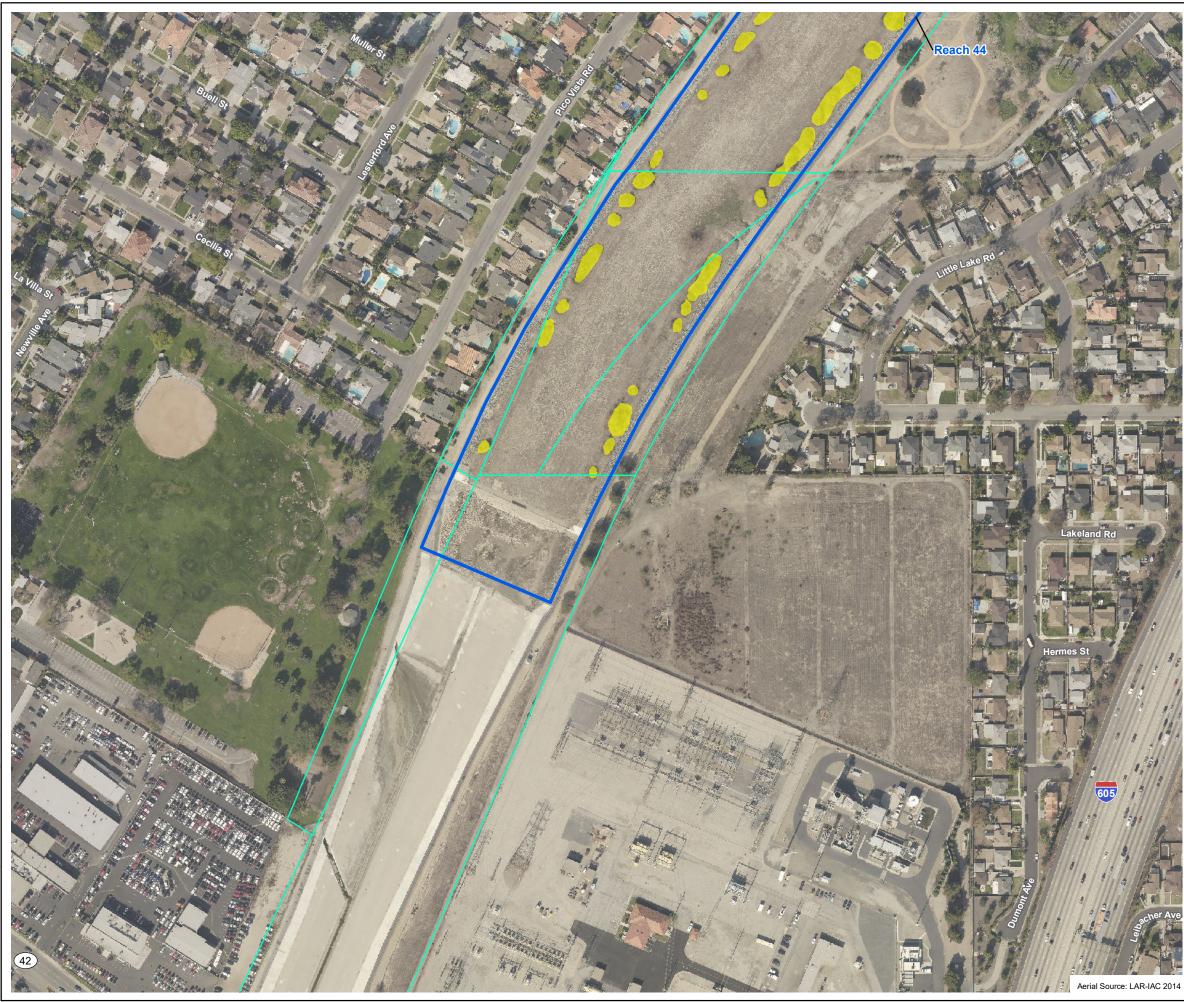
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.









Reach Limits

LACFCD Easements

## Preserved Polygons

Modified Preserved Polygon

Definitions-

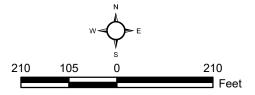
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

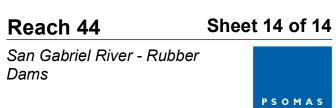
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is
not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.











Reach Limits

- Prescriptive Rights
- LACFCD Easements

#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

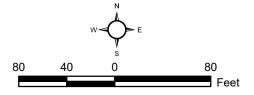
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

PSOMAS



# Reach 45

Sand Canyon (PD T1307) Main Channel Inlet







Reach Limits

- Prescriptive Rights
- LACFCD Easements

#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

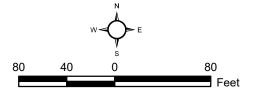
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

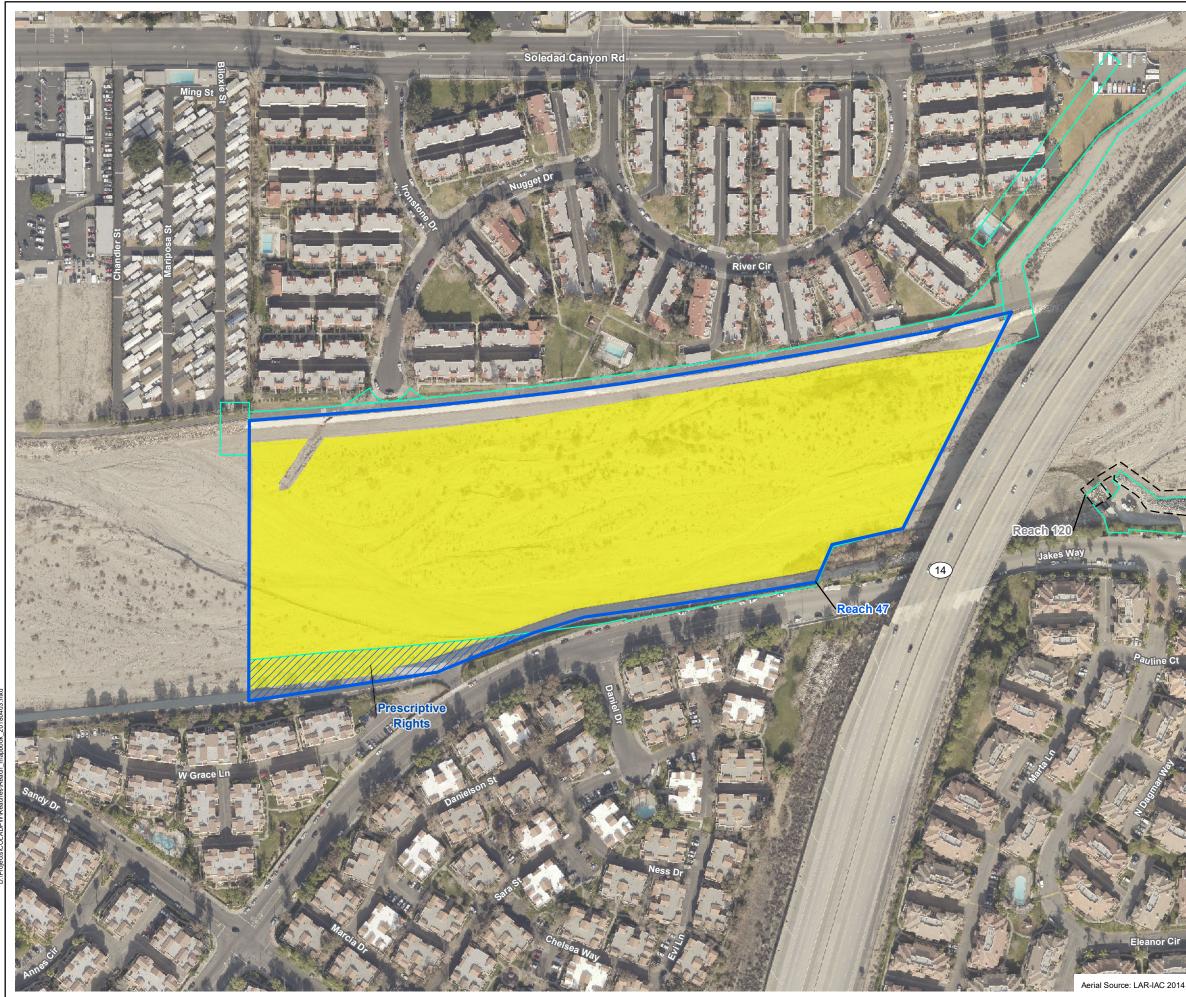
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

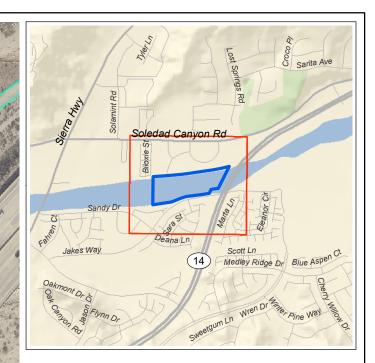
PSOMAS



# Reach 46

Sand Canyon (PD T1307) Main Channel Outlet





- Reach Limits
- Prescriptive Rights
- Adjacent Reaches
  - LACFCD Easements

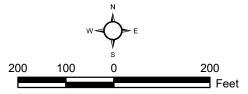
#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

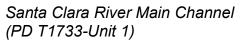
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

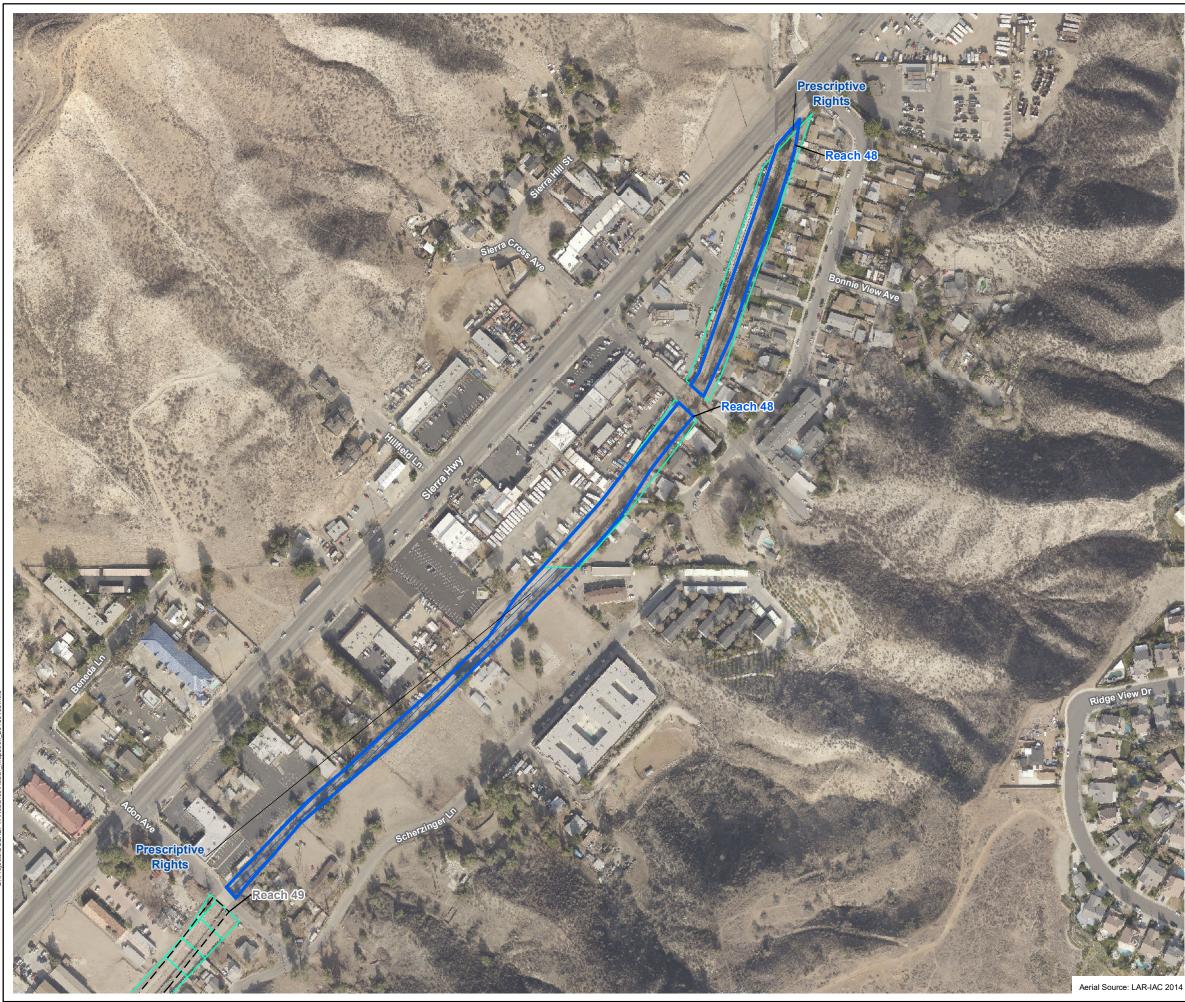
- Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.
- Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.
- Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.
- Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 47









#### Definitions-

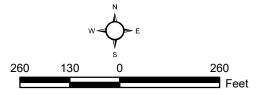
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is
not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 48

Mint Canyon Channel between Sierra Highway & Adon Avenue





| Read     |
|----------|
| <br>Adja |

ch Limits

- acent Reaches
- LACFCD Easements

#### Definitions-

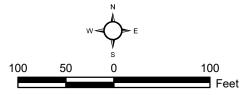
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is
not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 49

Mint Canyon Channel between Adon Avenue & Scherzinger Lane





|          | Reach Limits  |
|----------|---------------|
| <u> </u> | Adjacent Read |
|          |               |

Reaches

LACFCD Easements

#### Definitions-

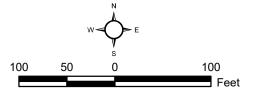
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

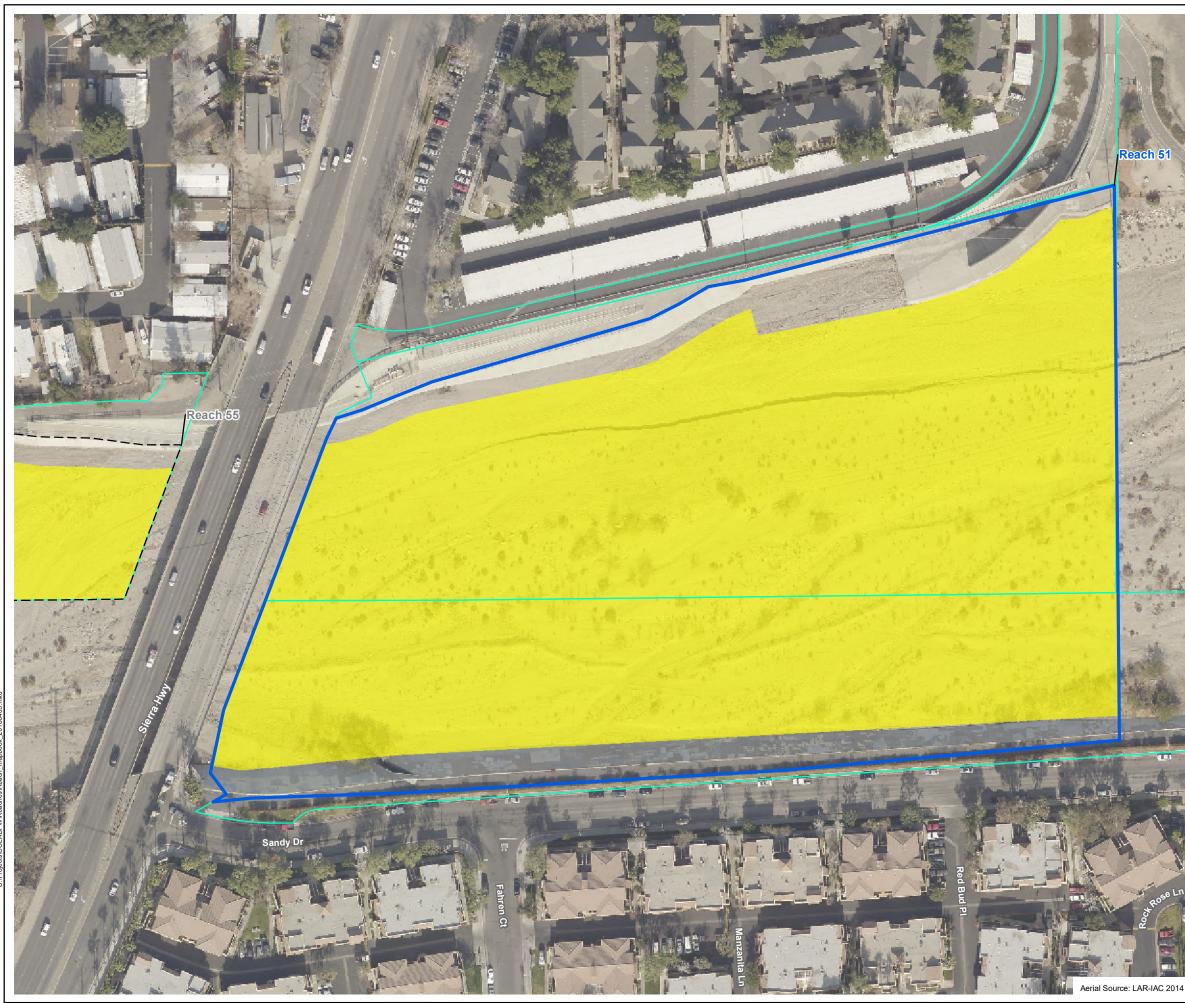
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 50

Mint Canyon Channel between Solamint & Soledad





| Reach | Limits |
|-------|--------|
|       |        |

\_\_\_\_ Adjacent Reaches

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

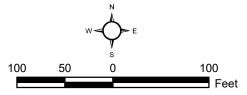
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 51

Mint Canyon M.C.O. (PD 1894)/Santa Clara River - Main Channel









#### Definitions-

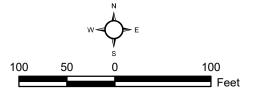
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 52

Sierra Highway Road Drainage (CDR 523.203)





| /// |  |
|-----|--|
|     |  |

Reach Limits

- Prescriptive Rights
- LACFCD Easements

#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

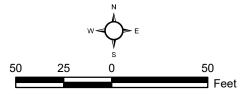
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

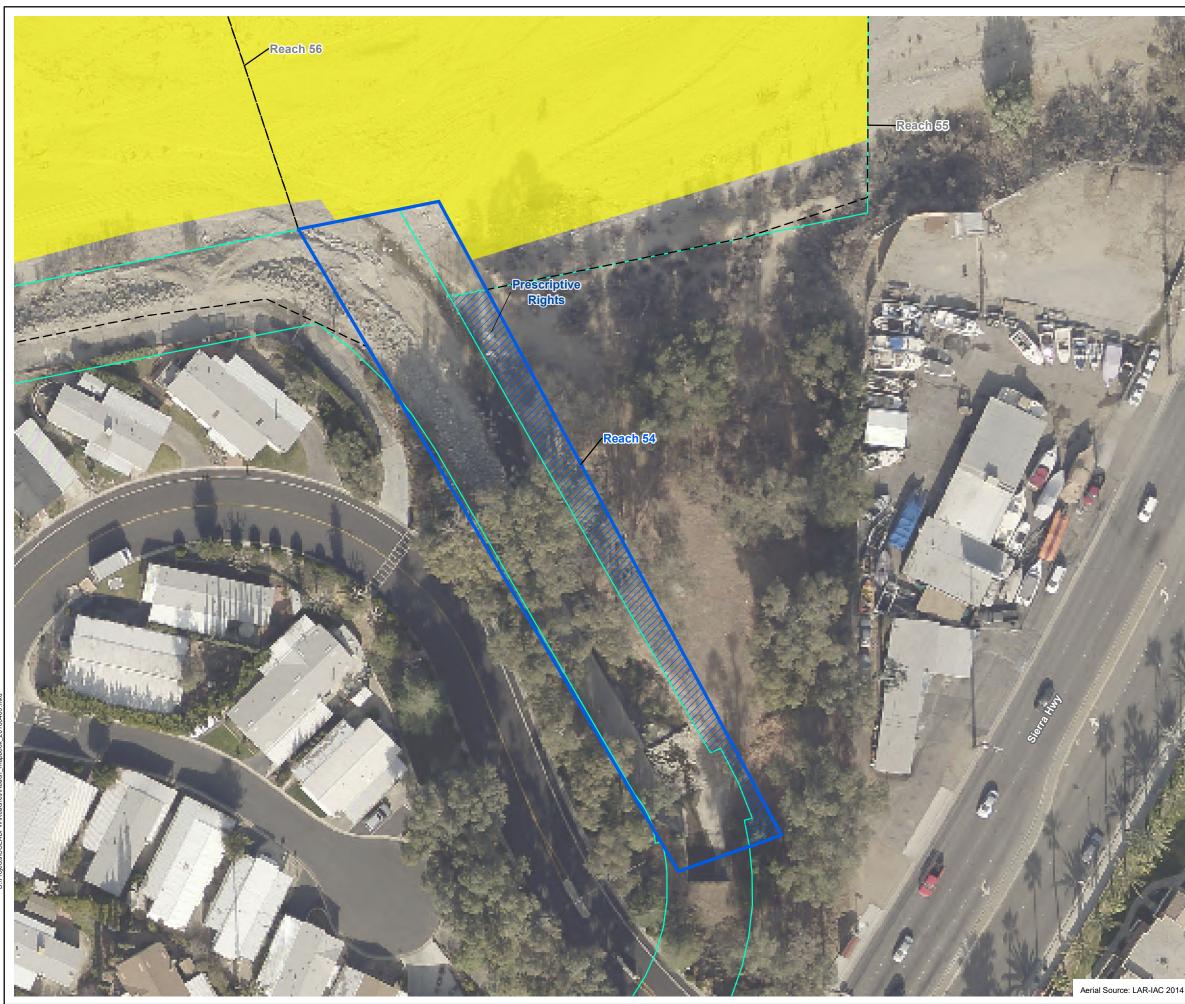
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

PSOMAS



# Reach 53

Santa Clara River Non-Main Channel (PD 832) Main Channel Inlet





Reach Limits

Prescriptive Rights

Adjacent Reaches

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

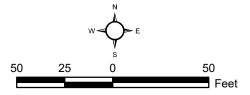
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

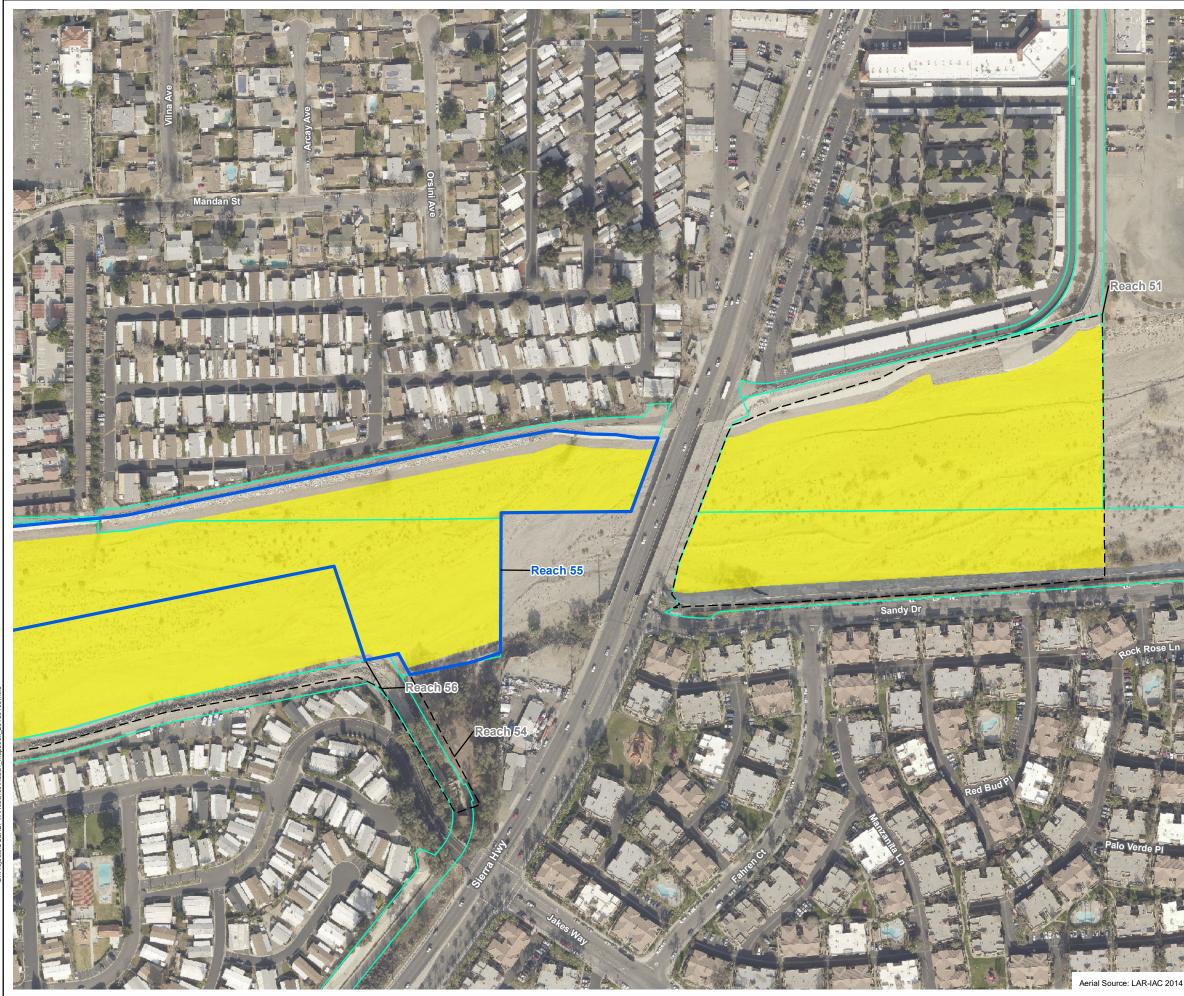
PSOMAS

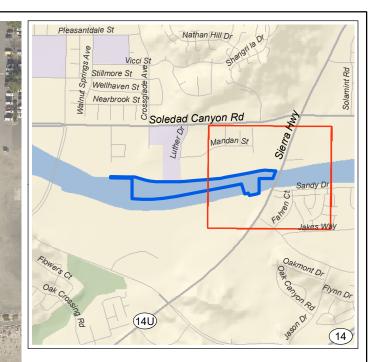


# Reach 54

Santa Clara River Non-Main Channel (PD 832) Main Channel Outlet







Reach Limits

\_\_\_\_ Adjacent Reaches

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

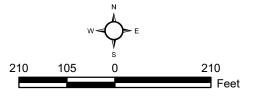
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

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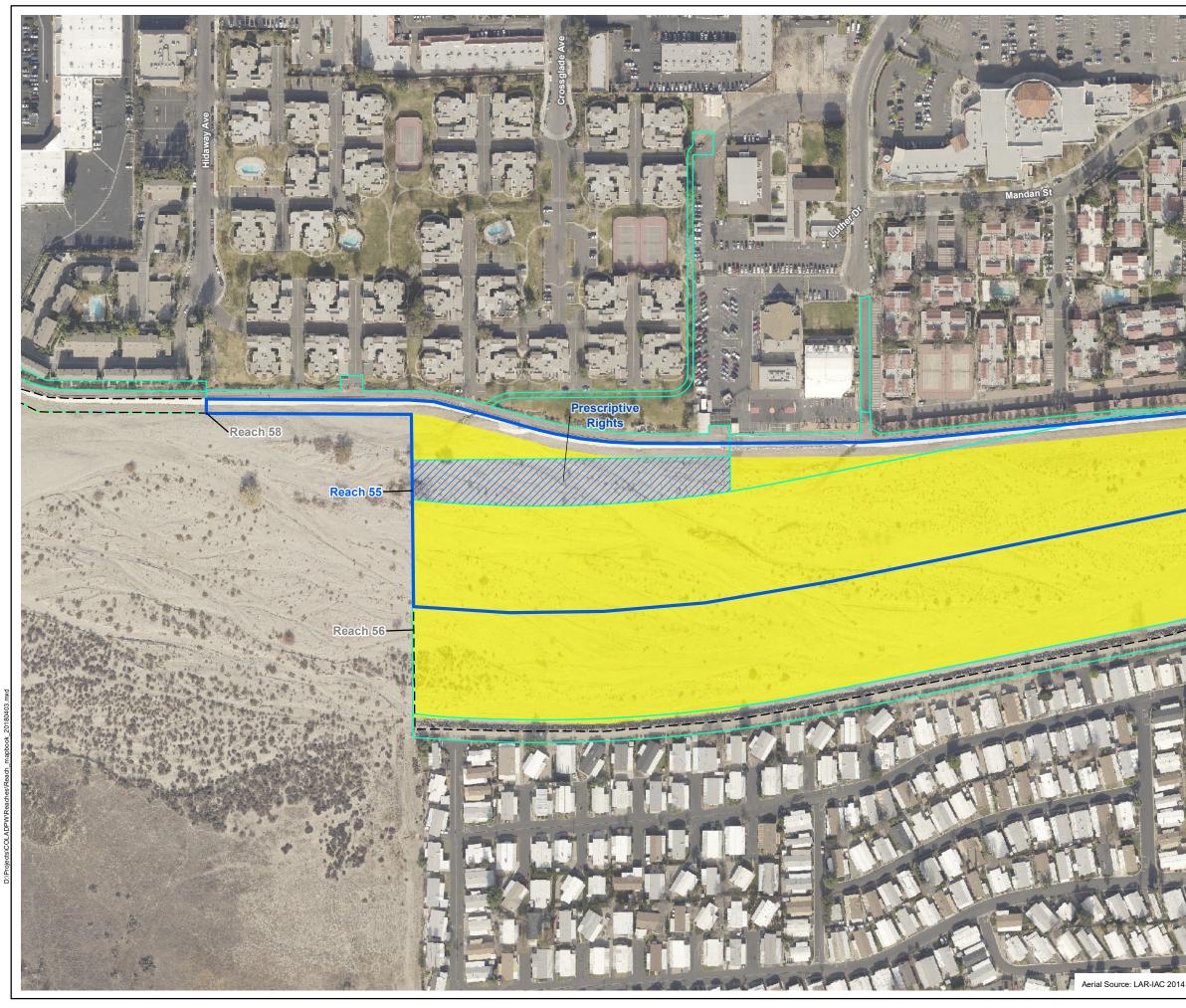


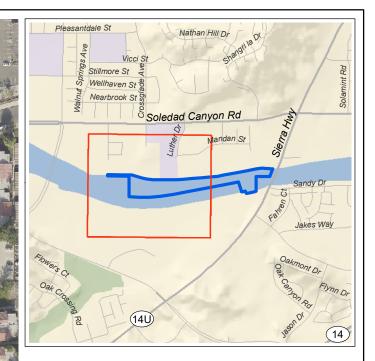
# Reach 55

Sheet 1 of 2

PSOMAS

Santa Clara River Main Channel - Right Bank Reach (PD-s 910, 832, 1758, & 1562 Unit 2)





- Reach Limits
- ///, Prescriptive Rights
- Adjacent Reaches
  - LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

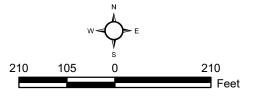
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

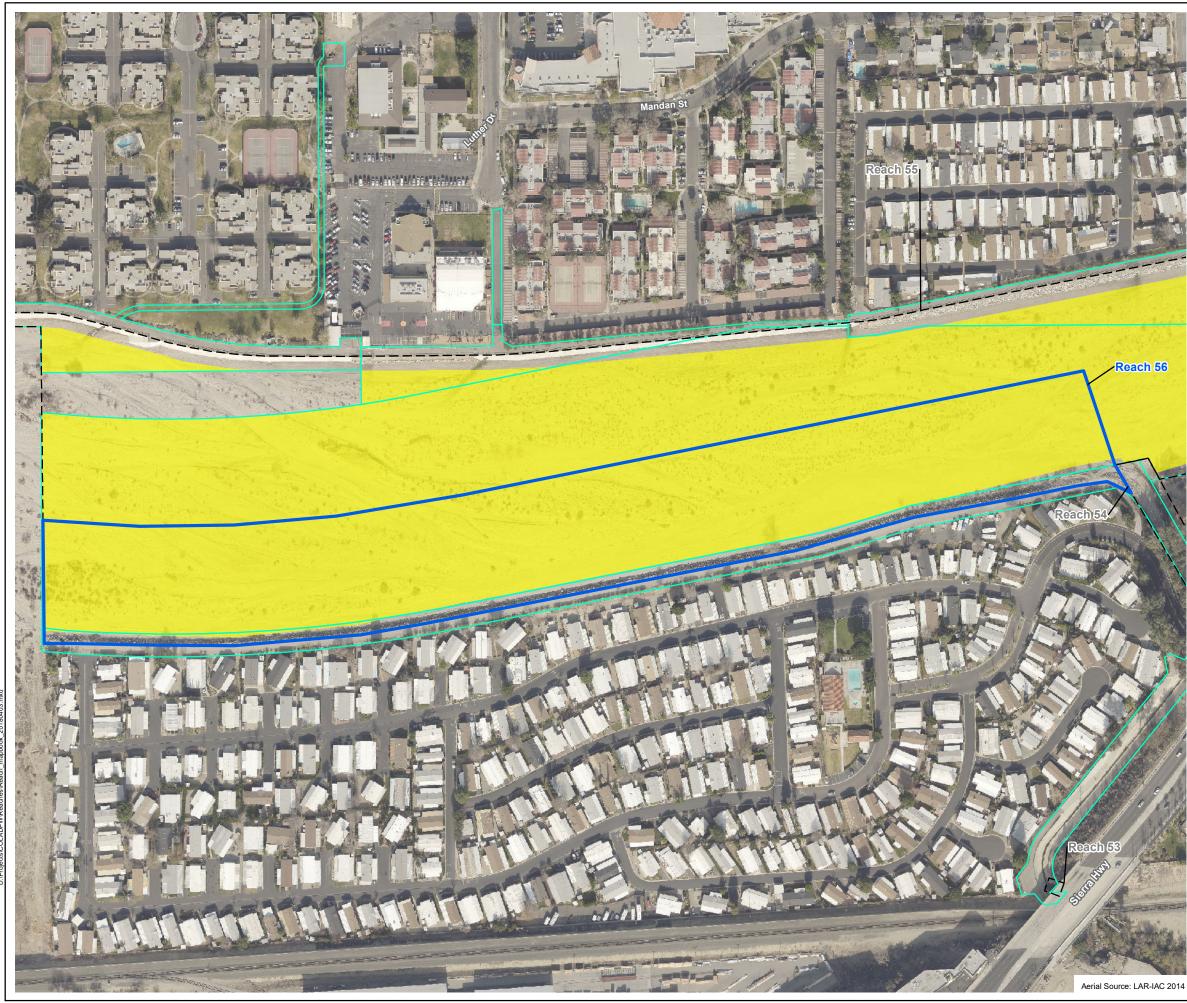


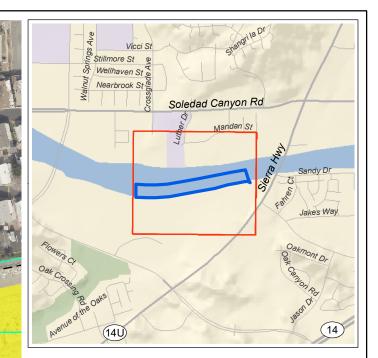
# Reach 55

Sheet 2 of 2

PSOMAS

Santa Clara River Main Channel - Right Bank Reach (PD-s 910, 832, 1758, & 1562 Unit 2)





Reach 56



# Legend Reach Limits \_\_\_\_ Adjacent Reaches LACFCD Easements Preserved Polygons Modified Preserved Polygon

#### Definitions-

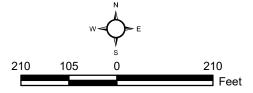
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

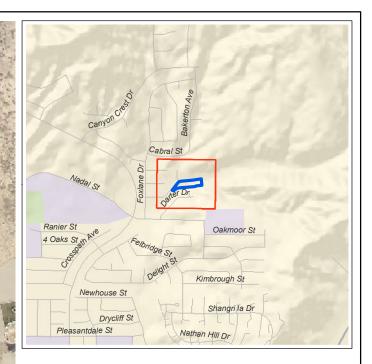


PSOMAS

# Reach 56

Santa Clara River Main Channel - Left Bank Reach (PD 832)







Reach Limits

LACFCD Easements

#### **Preserved Polygons**



Modified Preserved Polygon

Unmodified Preserved Polygon

#### Definitions-

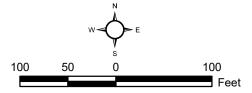
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

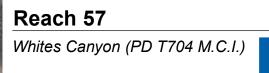
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

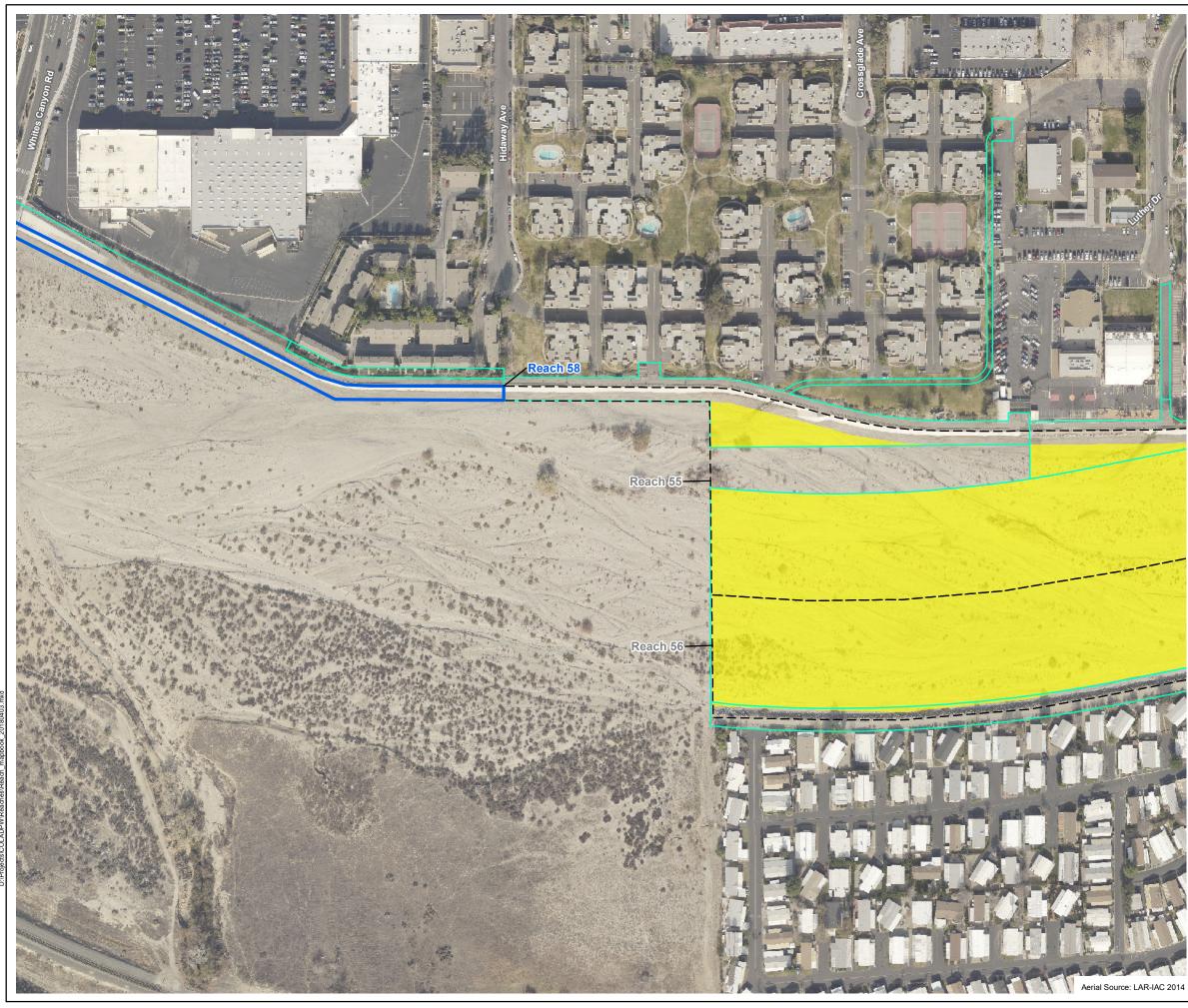
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.









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Reach Limits

Adjacent Reaches

LACFCD Easements

#### Preserved Polygons

## Modified Preserved Polygon

#### Definitions-

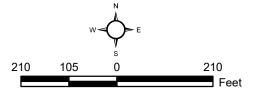
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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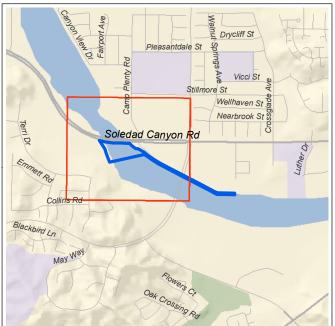
# Reach 58

# Sheet 1 of 2

PSOMAS

Santa Clara River Main Channel - Right Bank Reach (PD 374)





- Reach Limits
- Prescriptive Rights
- Adjacent Reaches
  - LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

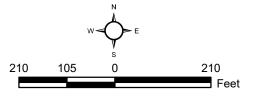
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

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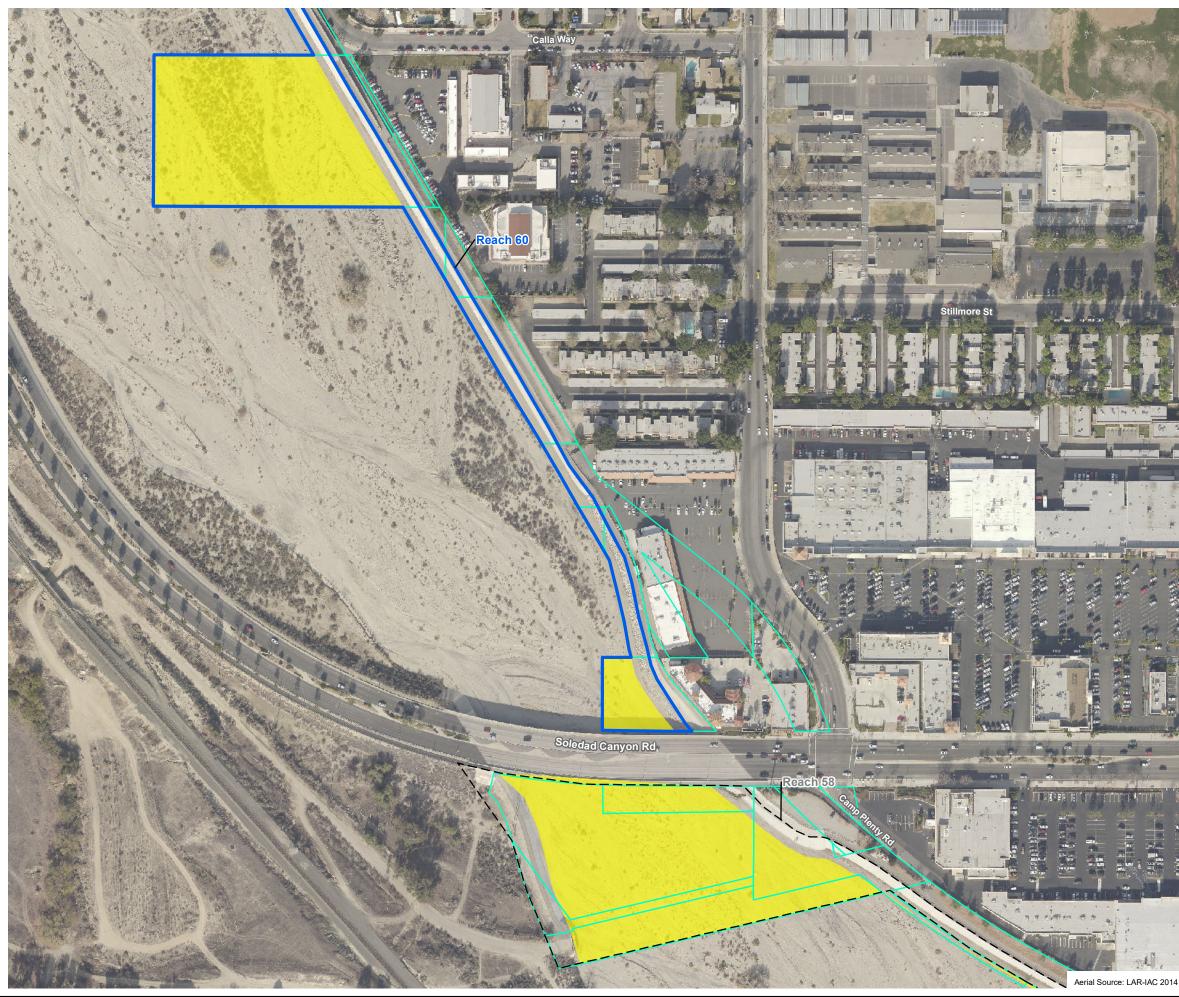


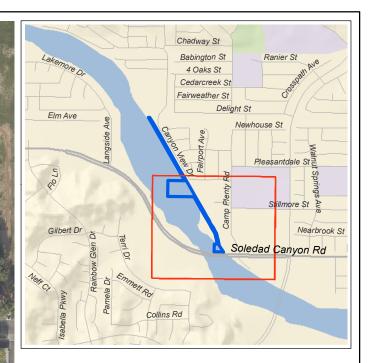
# Reach 58

# Sheet 2 of 2

PSOMAS

Santa Clara River Main Channel - Right Bank Reach (PD 374)







Reach Limits

\_\_\_\_ Adjacent Reaches

LACFCD Easements

#### Preserved Polygons

## Modified Preserved Polygon

#### Definitions-

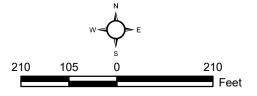
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

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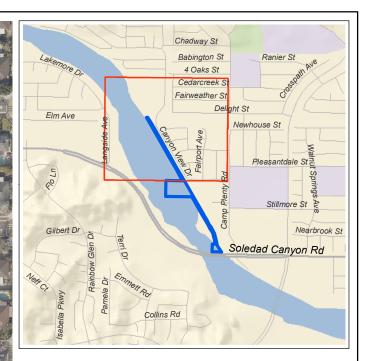


# Reach 60

Santa Clara River Main Channel - Right Bank Reach (PD-s 1339 and 374)

## Sheet 1 of 2





Reach Limits

\_\_\_\_ Adjacent Reaches

LACFCD Easements

#### Preserved Polygons

## Modified Preserved Polygon

#### Definitions-

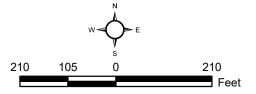
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

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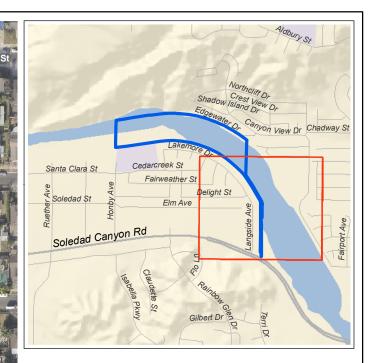


# Reach 60

Santa Clara River Main Channel - Right Bank Reach (PD-s 1339 and 374)

# Sheet 2 of 2







Reach Limits

- Prescriptive Rights
- Adjacent Reaches
  - LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

Reach 61

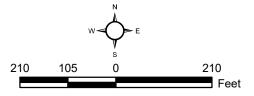
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

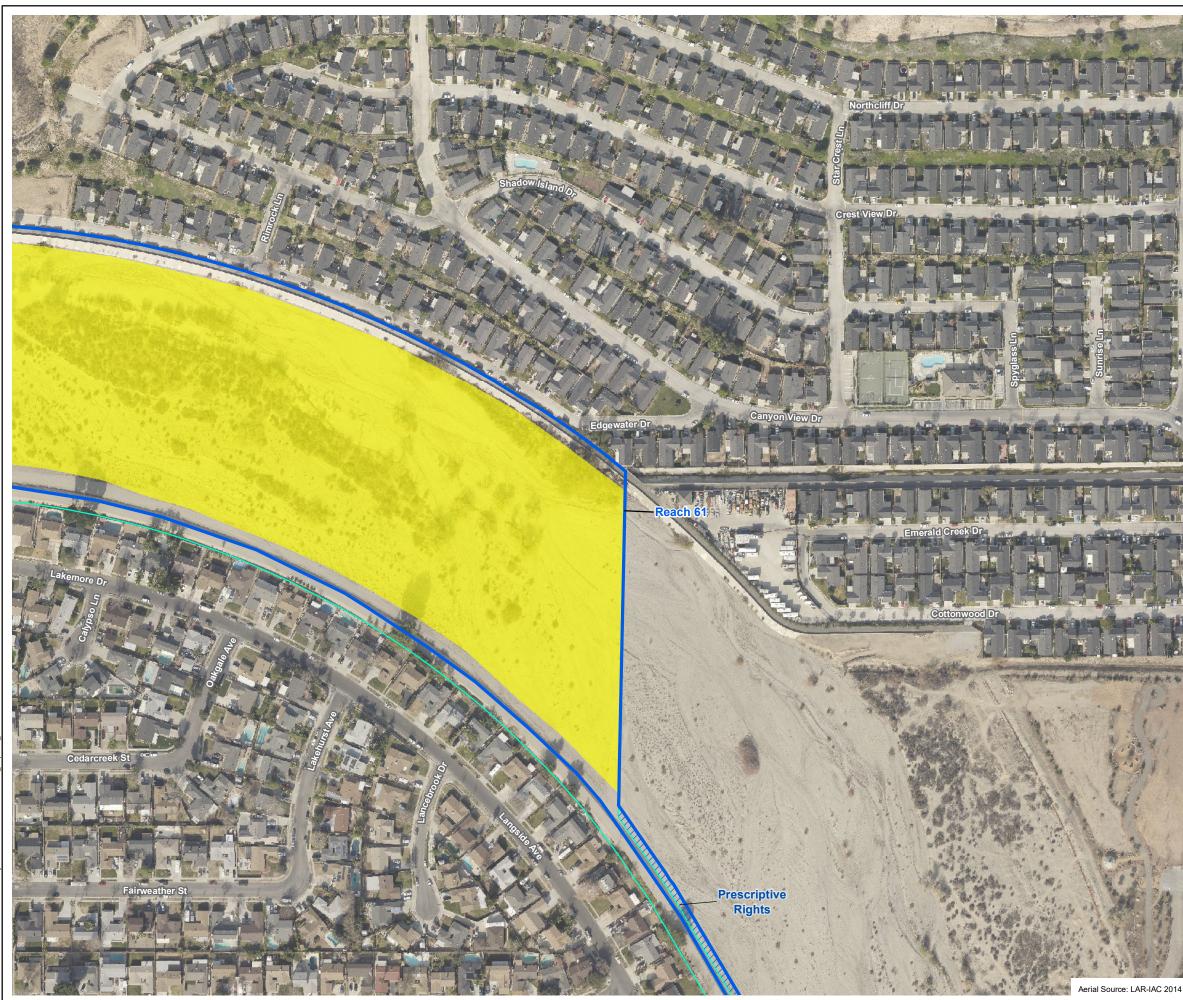
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

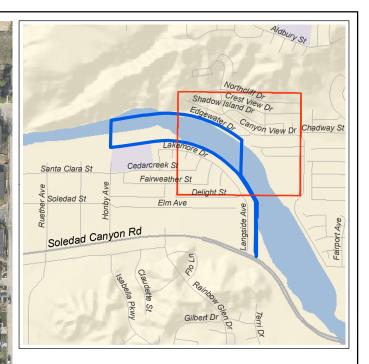
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.







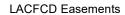






Reach Limits

Prescriptive Rights



#### Preserved Polygons



## Modified Preserved Polygon

#### Definitions-

Reach 61

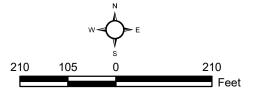
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

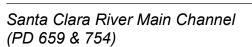
• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

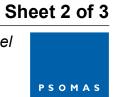
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

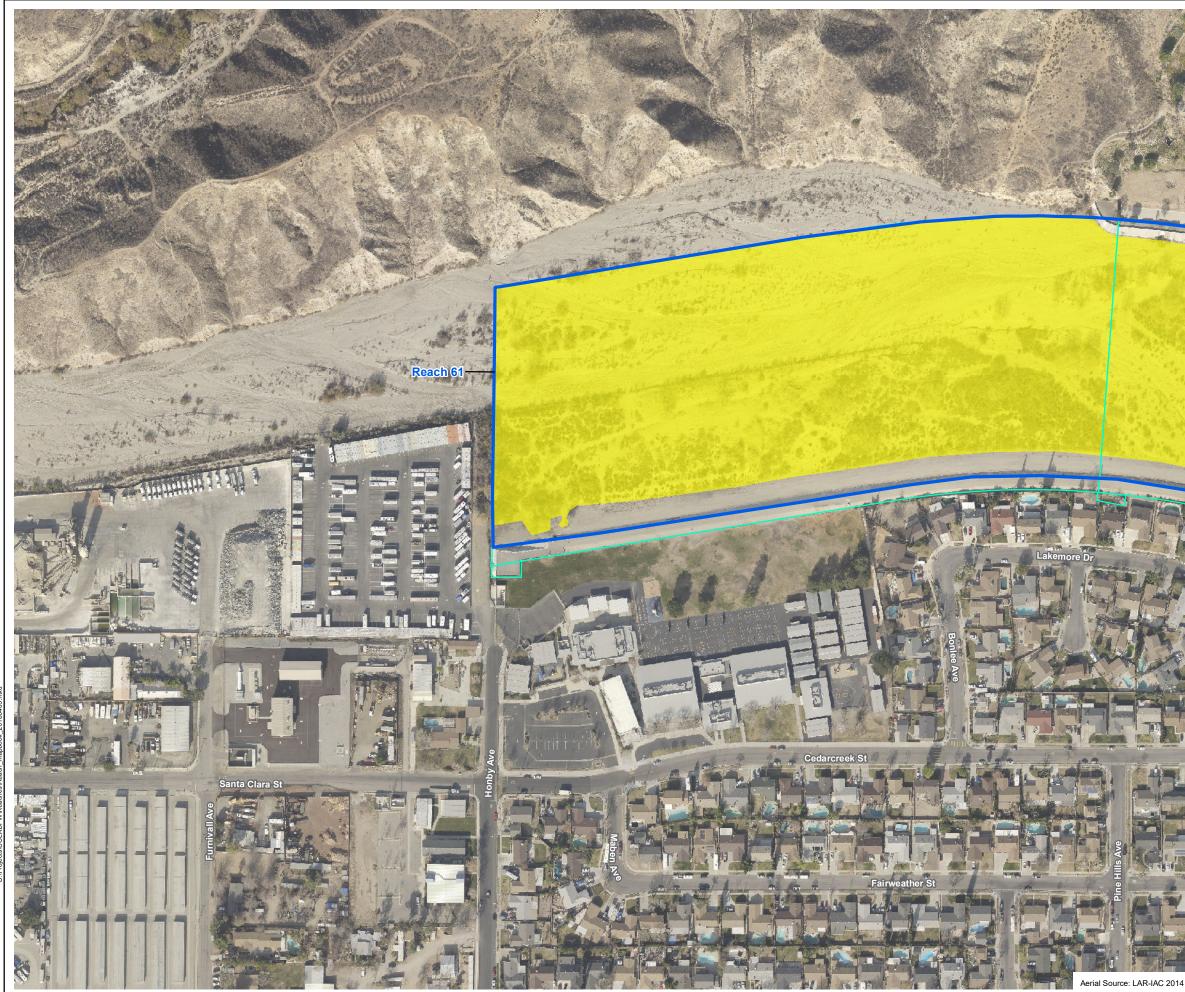
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

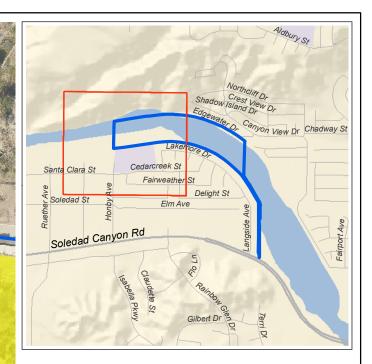
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.











Reach Limits

LACFCD Easements

## Preserved Polygons

Modified Preserved Polygon

#### Definitions-

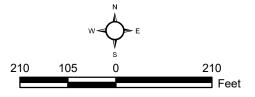
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

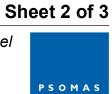
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

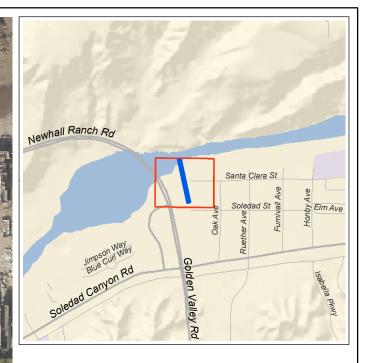
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.













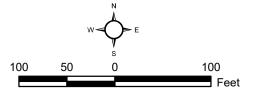


Reach Limits Prescriptive Rights

#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

- Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.
- Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.
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PSOMAS

# Reach 63

Oak Ave Road Drainage (CDR 523.081)







Reach Limits Prescriptive Rights

#### Definitions-

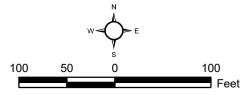
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 64

Soledad Canyon Road Drain (CDR 523.071 D outlet)



| An Pelham Py<br>Cheyenne Dr<br>Napa Di<br>Napa Di<br>Napa Di<br>Southai | Paraguay Dr<br>Las Tigres Dr<br>Espuella Dr |
|---|---|
|   | Newhall Ranch Rd                            |
| Valencia Blvg Soledad Canyon  | AT I D                                      |
|   |   |



Reach Limits

Prescriptive Rights

LACFCD Easements

#### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

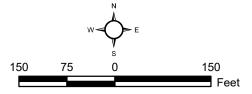
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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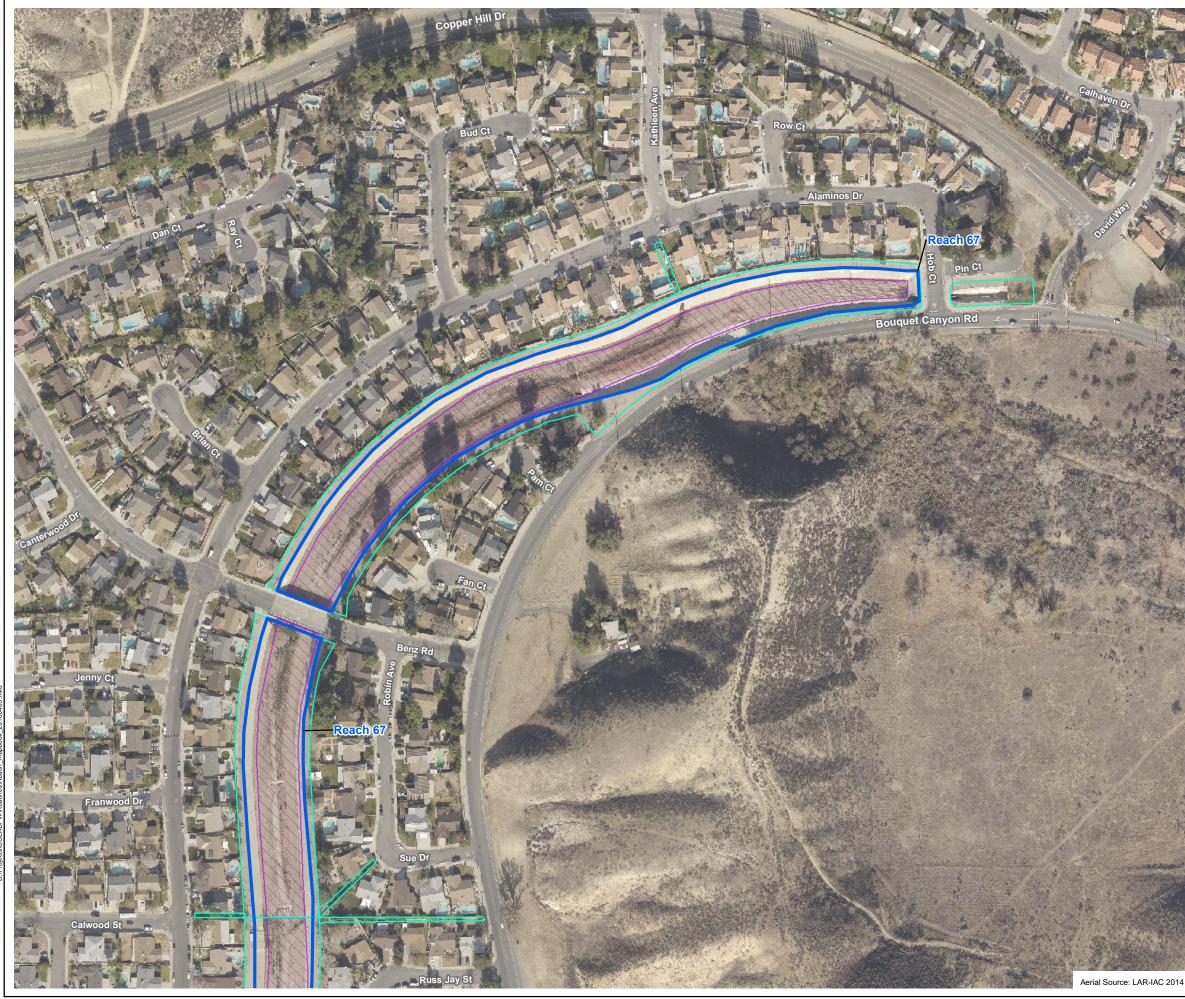
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

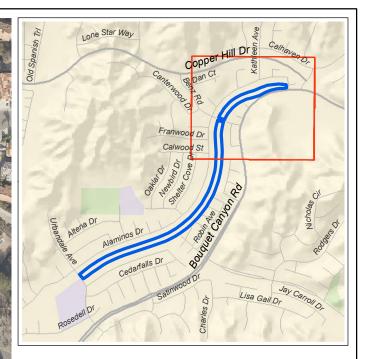


PSOMAS

# Reach 66

Santa Clara River Main Channel (PD 1538)





Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

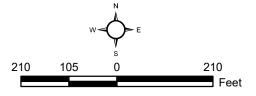
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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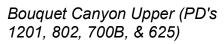
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

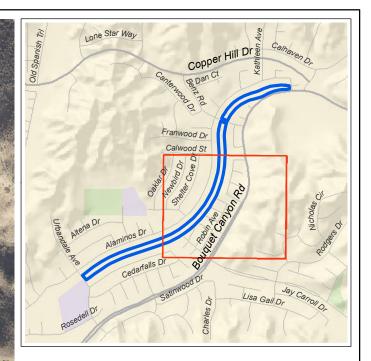


# Reach 67

Sheet 1 of 3







Reach Limits

LACFCD Easements

Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

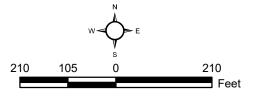
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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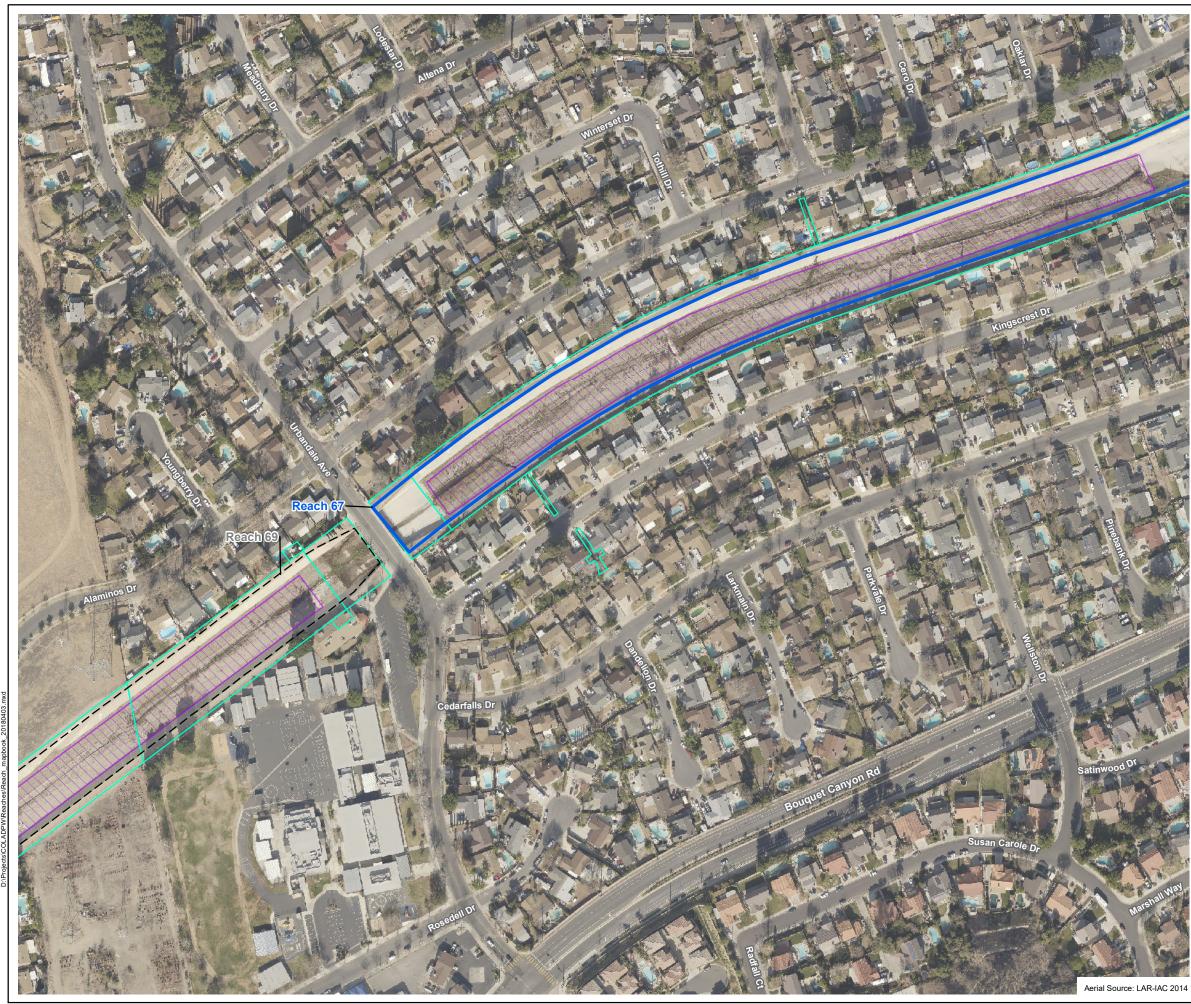
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

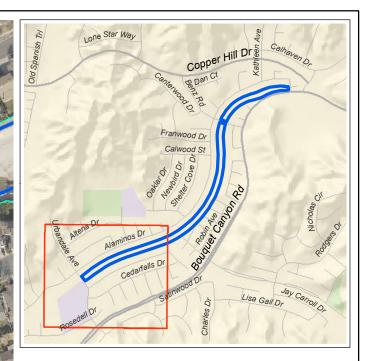


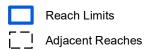
# Reach 67

Bouquet Canyon Upper (PD's 1201, 802, 700B, & 625)

Sheet 2 of 3

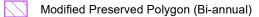






LACFCD Easements

#### Preserved Polygons



#### Definitions-

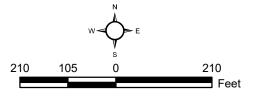
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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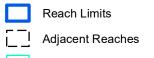
# Reach 67

Bouquet Canyon Upper (PD's 1201, 802, 700B, & 625)









LACFCD Easements

## Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

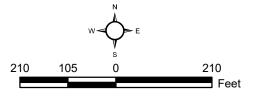
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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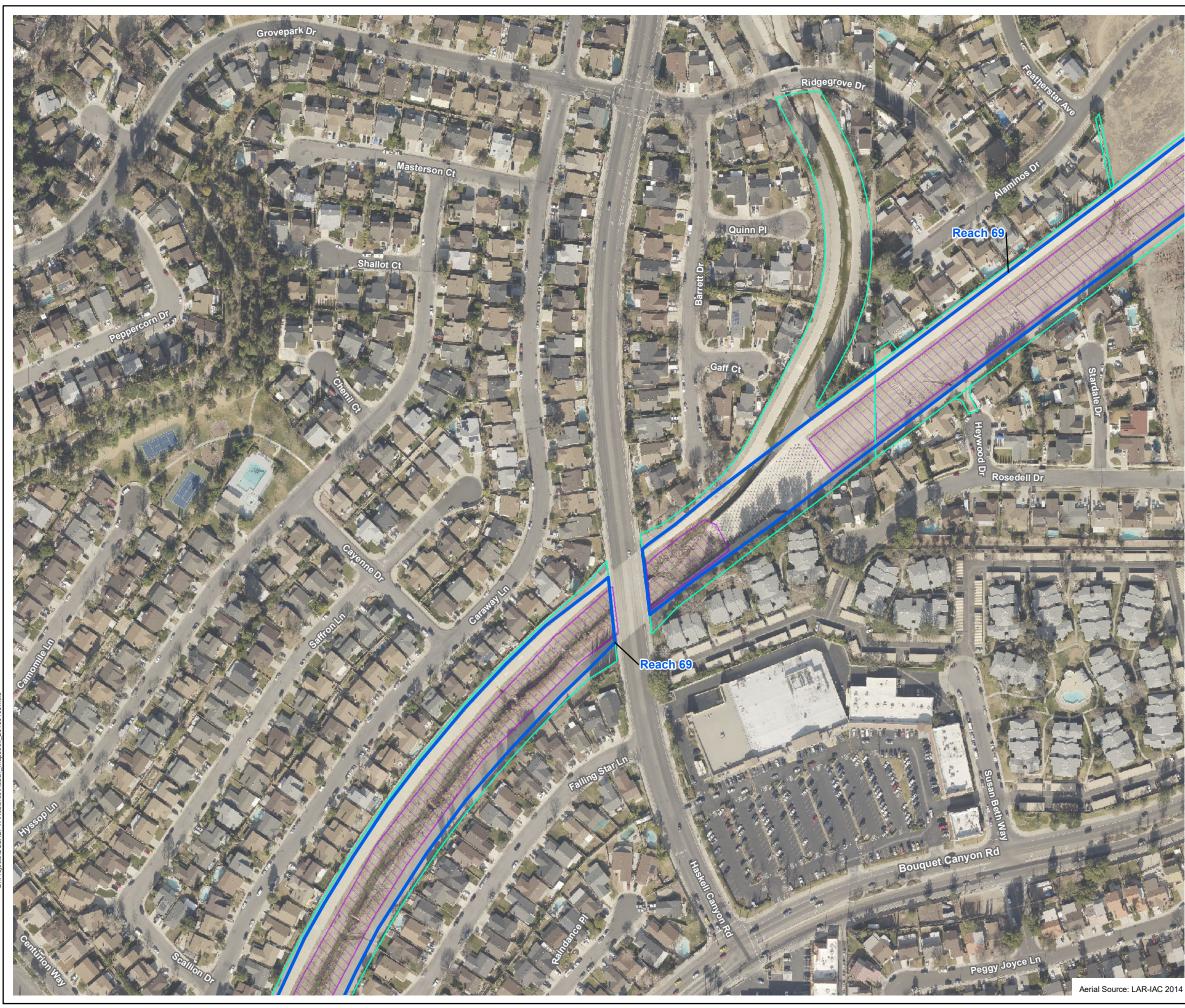
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

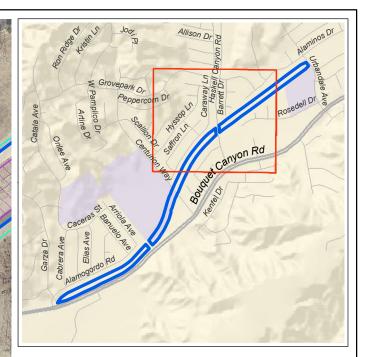


# Reach 69

Bouquet Canyon Middle (PD's 722, 773, 1365, 1065, & 451)









Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

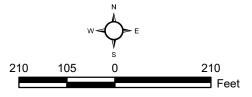
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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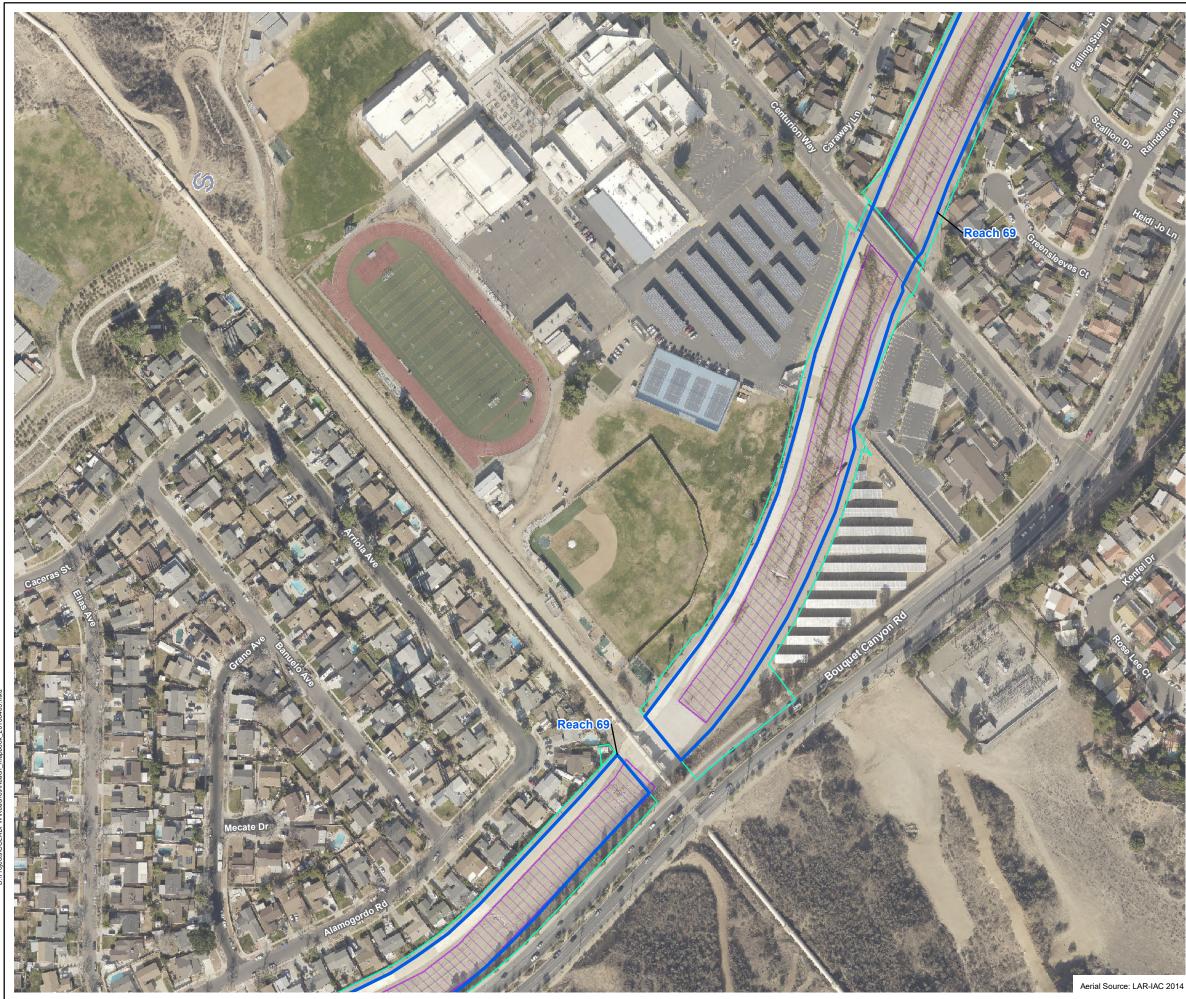
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

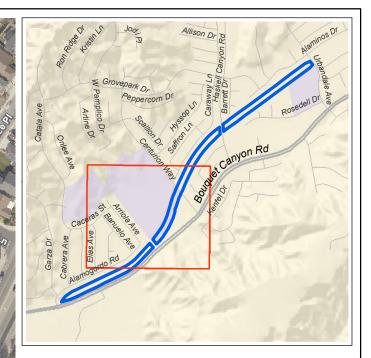


# Reach 69

Bouquet Canyon Middle (PD's 722, 773, 1365, 1065, & 451)

# Sheet 2 of 4





Reach Limits

LACFCD Easements

Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

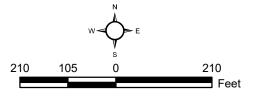
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

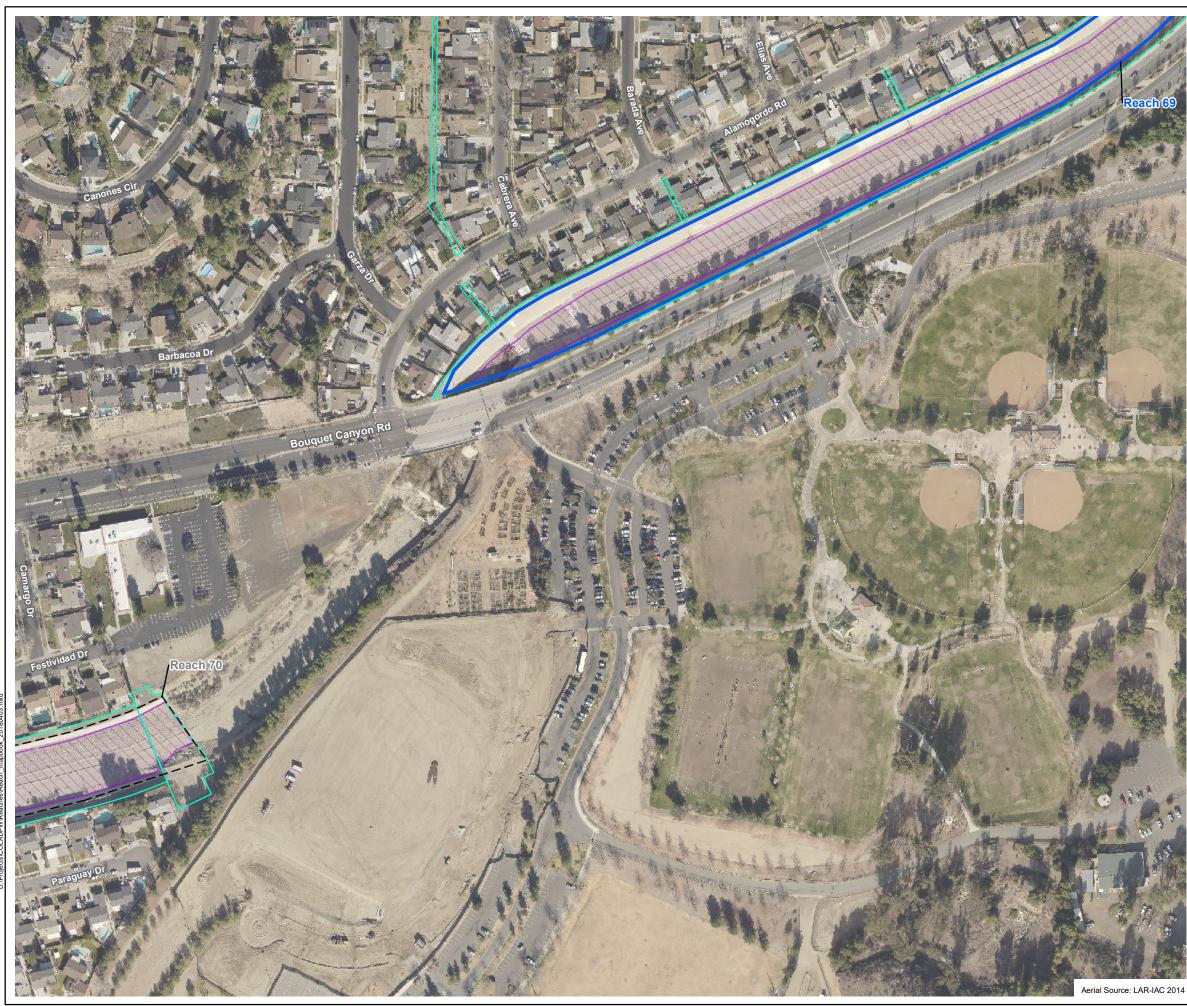
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

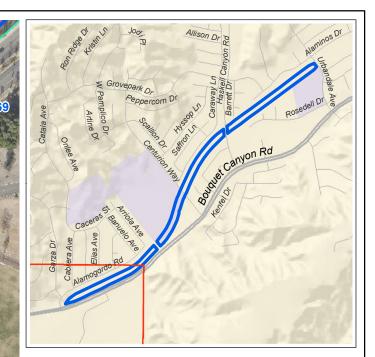


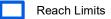
# Reach 69

Bouquet Canyon Middle (PD's 722, 773, 1365, 1065, & 451)









Adjacent Reaches

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

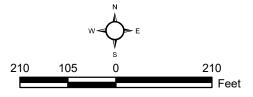
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

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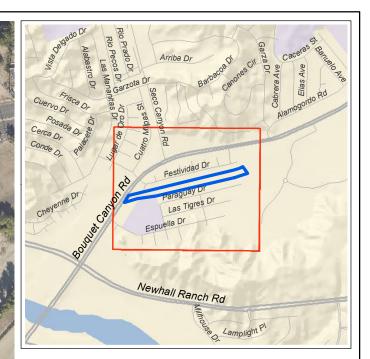
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



# Sheet 4 of 4







Reach Limits

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

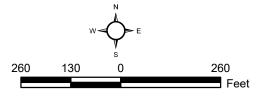
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

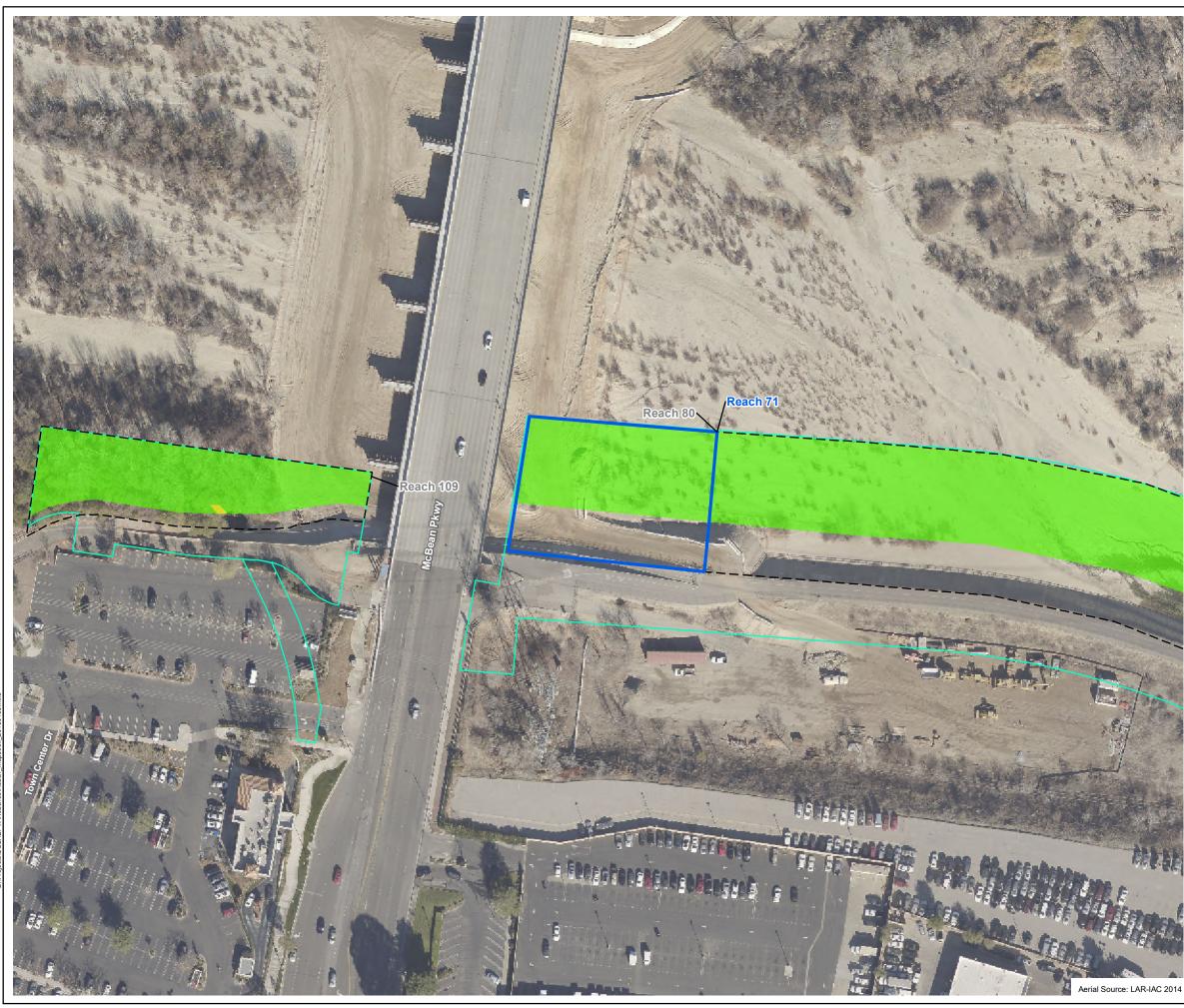
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

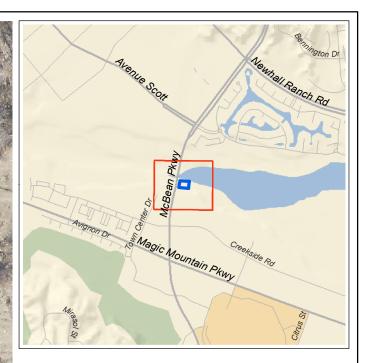


PSOMAS

# Reach 70

Bouquet Canyon Lower (PD's 544 & 345)







Reach Limits

- Adjacent Reaches
  - LACFCD Easements

#### Preserved Polygons

- Modified Preserved Polygon
- Unmodified Preserved Polygon

#### Definitions-

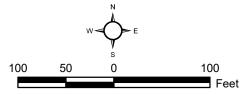
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

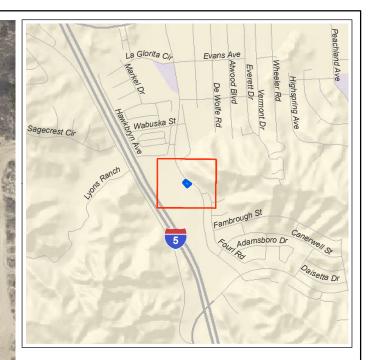
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.













Reach Limits

Prescriptive Rights

LACFCD Easements

#### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

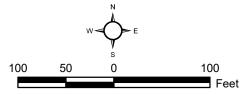
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS



Reach 72 South Fork- SCR (Smizer Ranch M.C.I.)







#### Definitions-

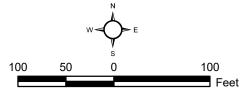
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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are likely to have annual impacts or do not contain vegetation.



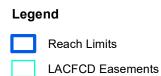
PSOMAS

# Reach 73

Wildwood Canyon Channel (PD T361) Main Channel Inlet







#### Definitions-

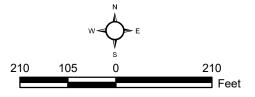
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



# Reach 75

South Fork-Santa Clara River (PD's 725, 916, 1041, &1300)

# Sheet 1 of 7







Reach Limits

- Prescriptive Rights
- Adjacent Reaches
  - LACFCD Easements

## **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

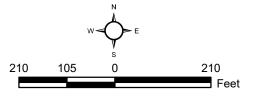
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

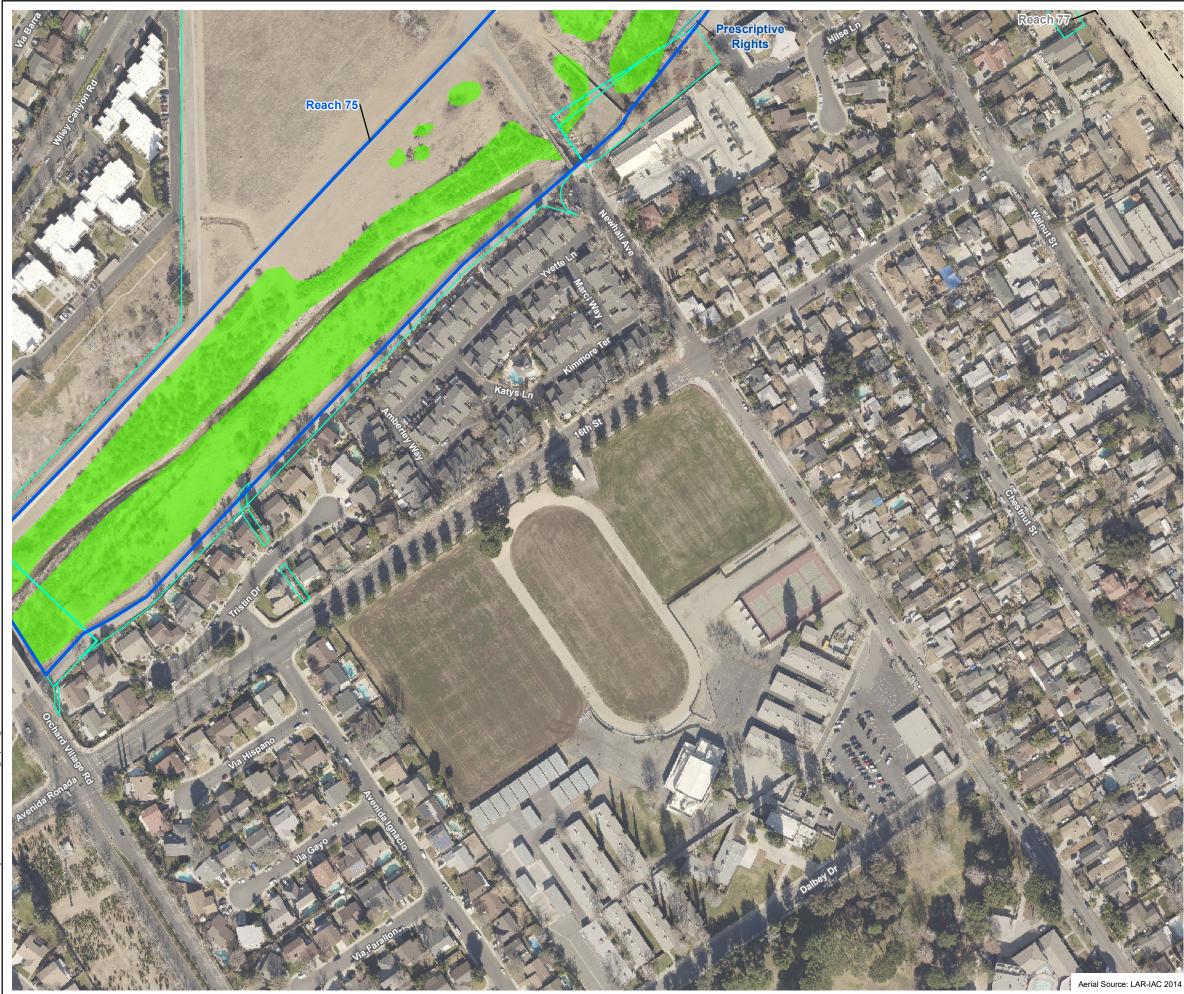
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



# Reach 75

South Fork-Santa Clara River (PD's 725, 916, 1041, &1300)

# Sheet 2 of 7







Reach Limits

- Prescriptive Rights
- Adjacent Reaches
  - LACFCD Easements

#### **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

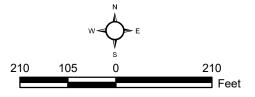
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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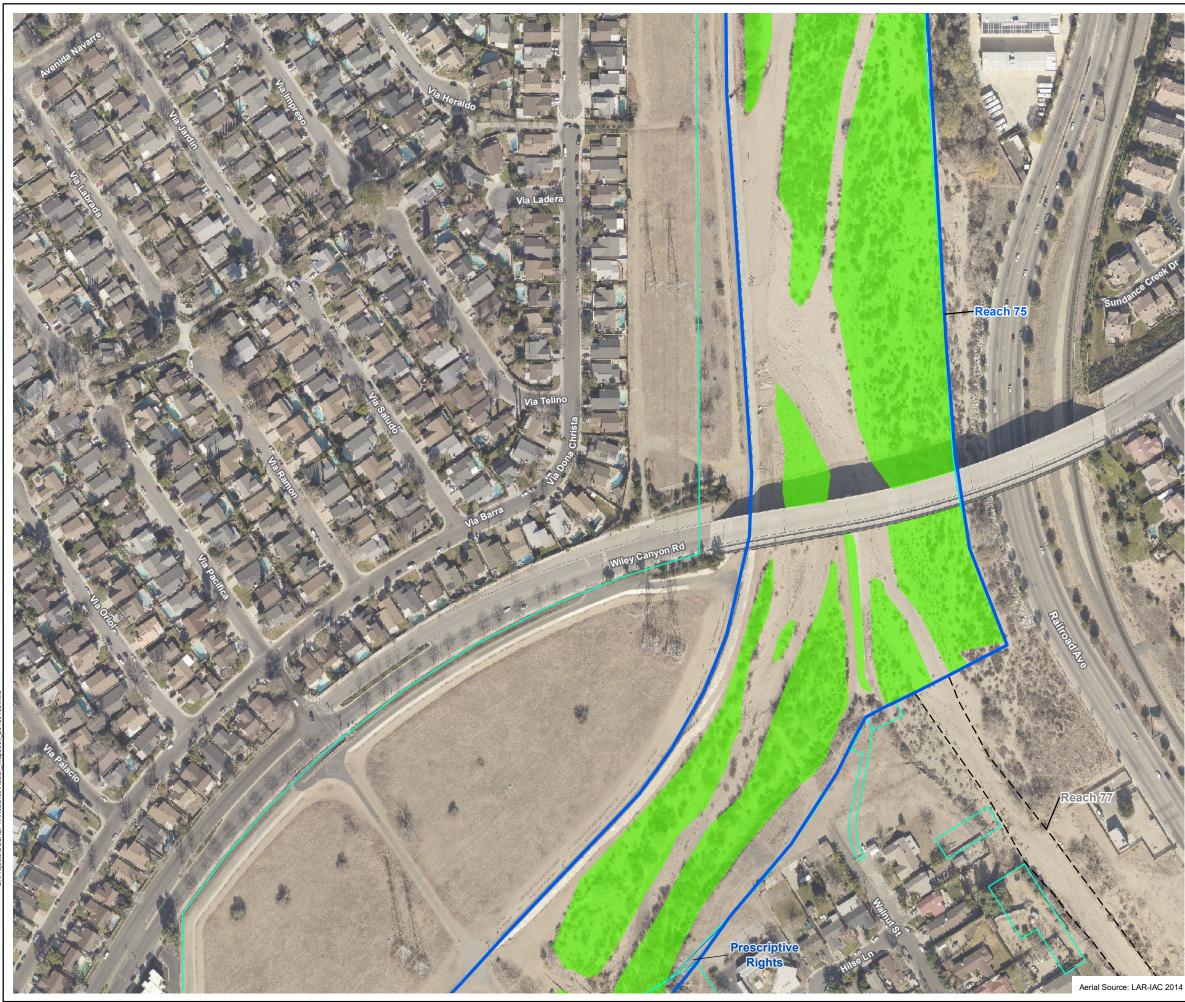


# Reach 75

South Fork-Santa Clara River (PD's 725, 916, 1041, &1300)

# Sheet 3 of 7









Reach Limits

- Prescriptive Rights
- \_\_\_\_ Adjacent Reaches
  - LACFCD Easements

### **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

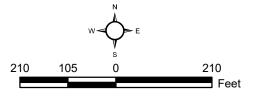
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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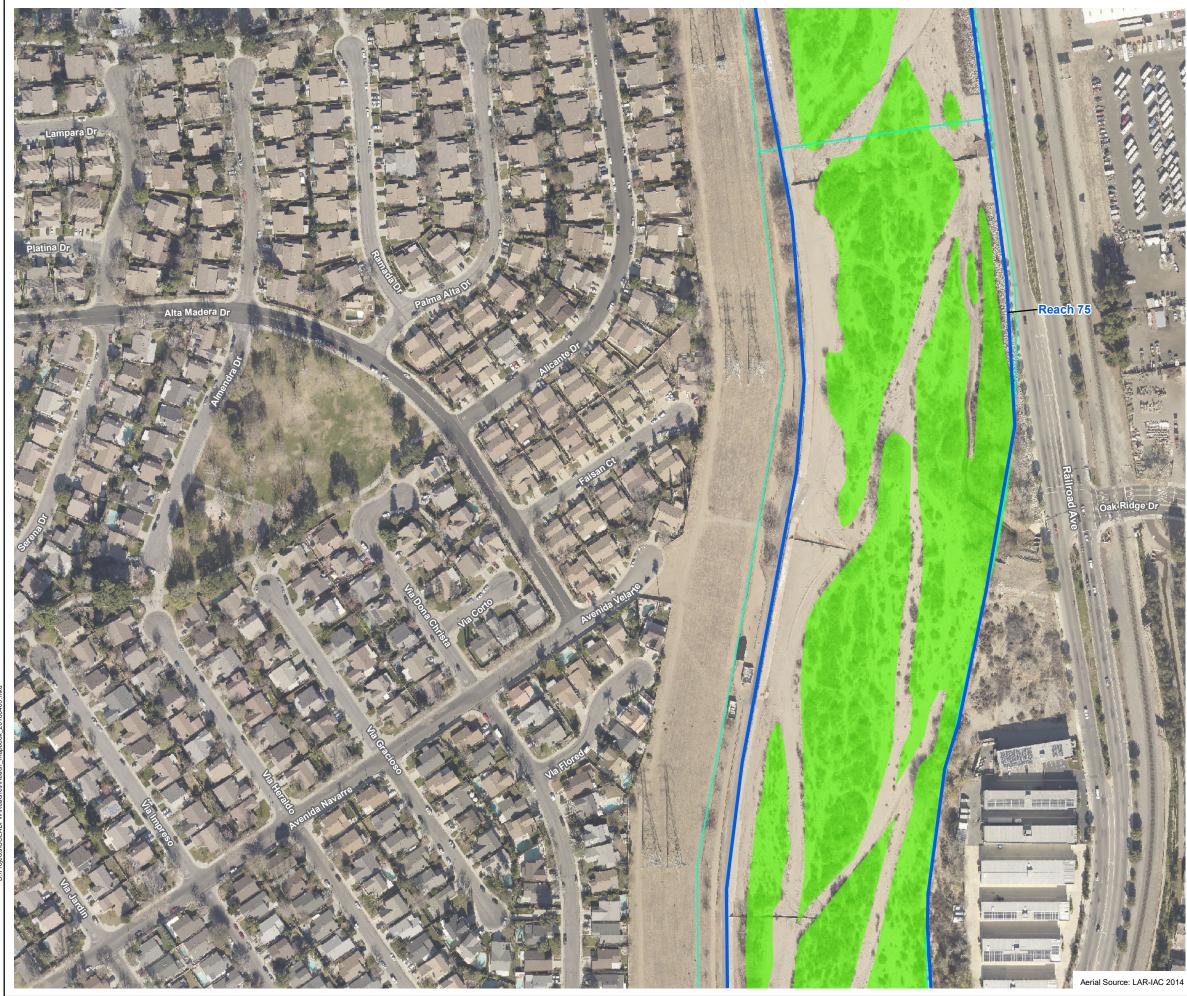


# Reach 75

South Fork-Santa Clara River (PD's 725, 916, 1041, &1300)

# Sheet 4 of 7







Reach Limits

LACFCD Easements

#### **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

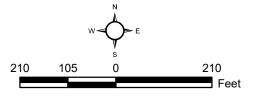
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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Portions of the channel inverts that do not overlap with a preserved polygon
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# Reach 75

South Fork-Santa Clara River (PD's 725, 916, 1041, &1300)

# Sheet 5 of 7





Reach Limits

LACFCD Easements

#### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

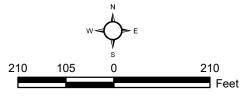
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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# Reach 75

South Fork-Santa Clara River (PD's 725, 916, 1041, &1300)

# Sheet 6 of 7





Reach Limits

LACFCD Easements

#### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

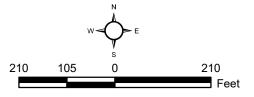
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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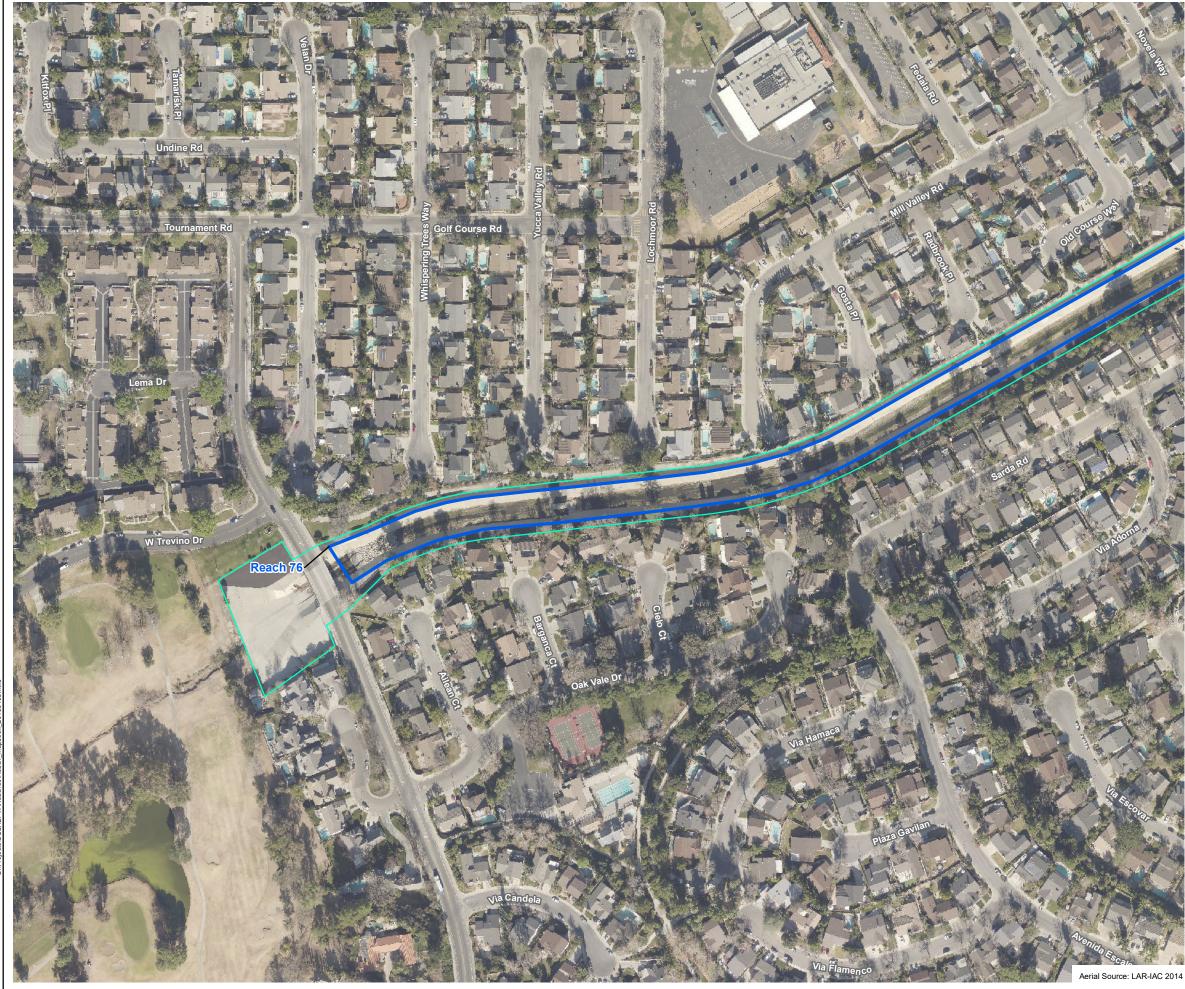
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

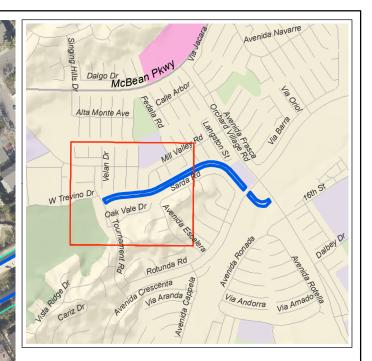


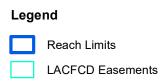
# Reach 75

South Fork-Santa Clara River (PD's 725, 916, 1041, &1300)

Sheet 7 of 7







#### Definitions-

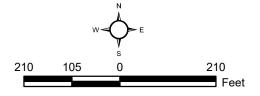
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

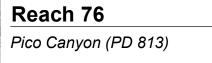
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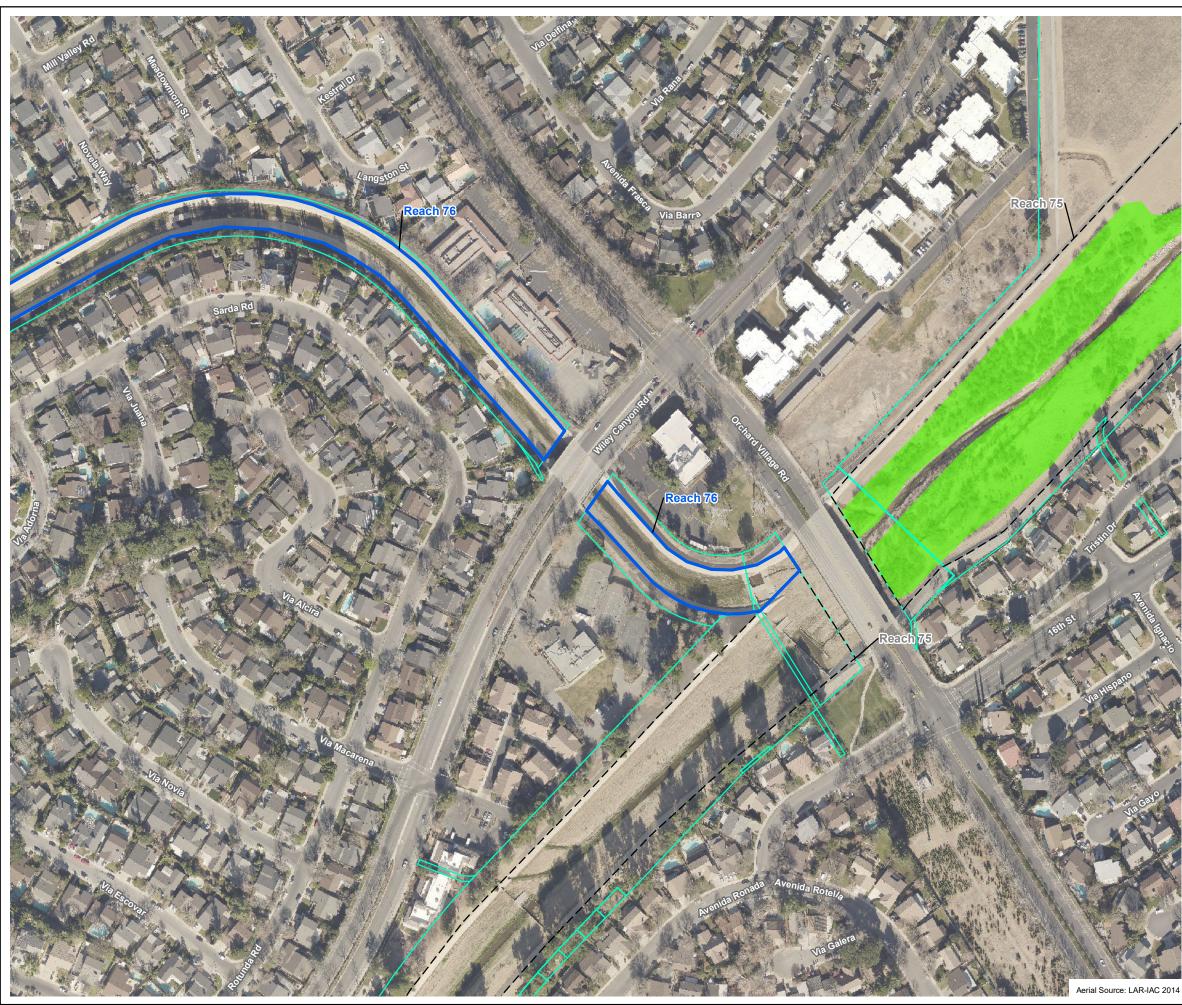
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

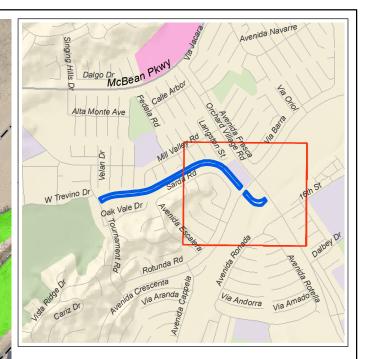
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.





Sheet 1 of 2





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Reach Limits

Adjacent Reaches

LACFCD Easements 

## Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

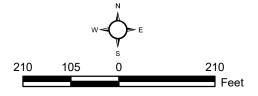
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

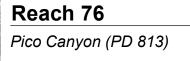
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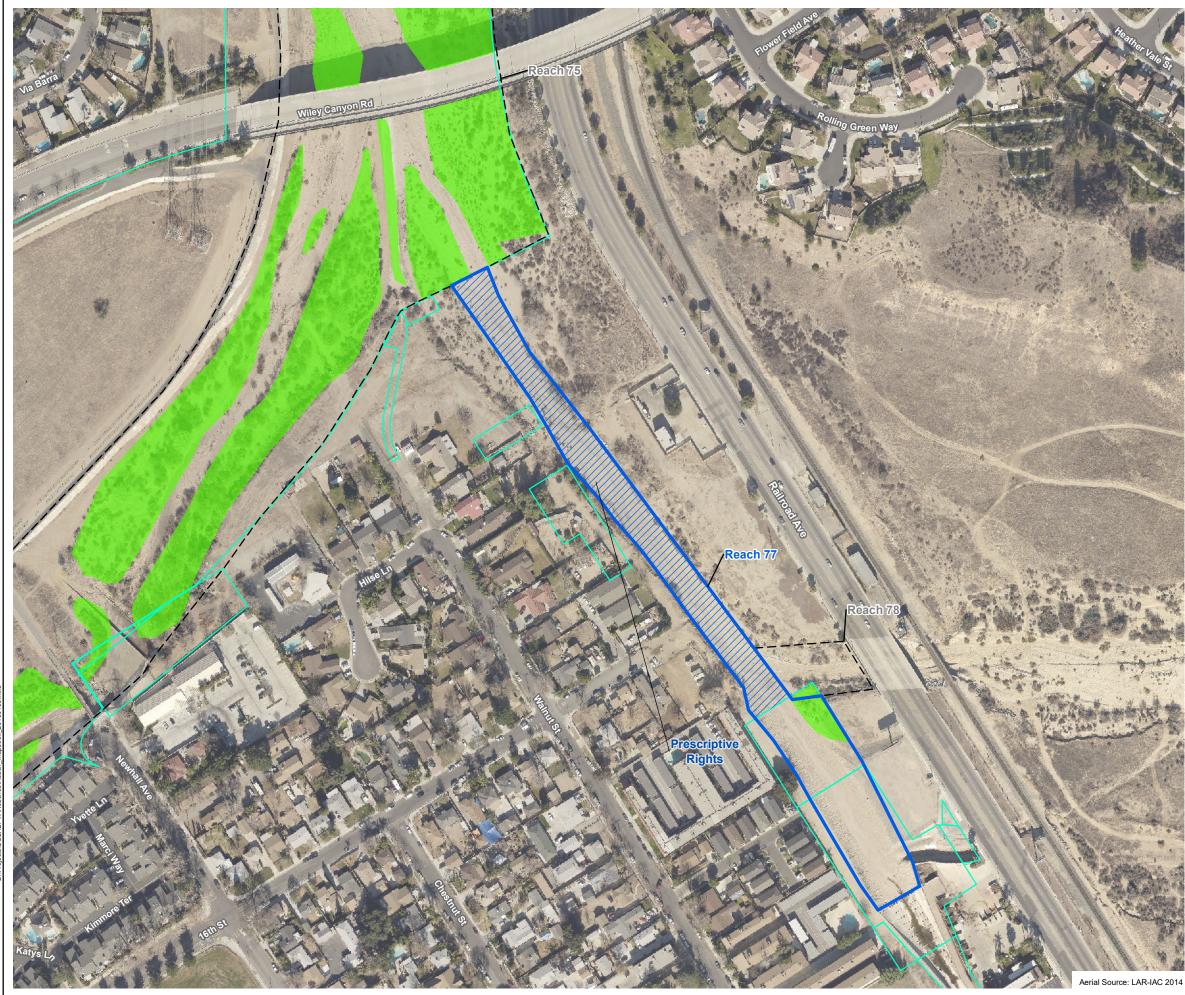
Portions of the channel inverts that do not overlap with a preserved polygon
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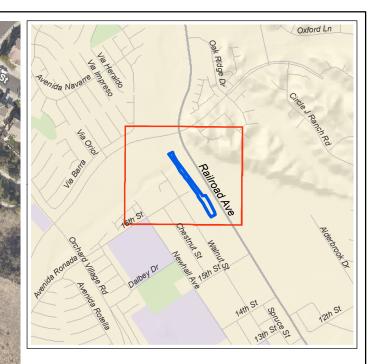




Sheet 2 of 2









Reach Limits

Prescriptive Rights

Adjacent Reaches

LACFCD Easements

## Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

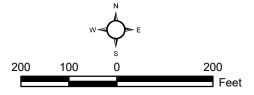
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

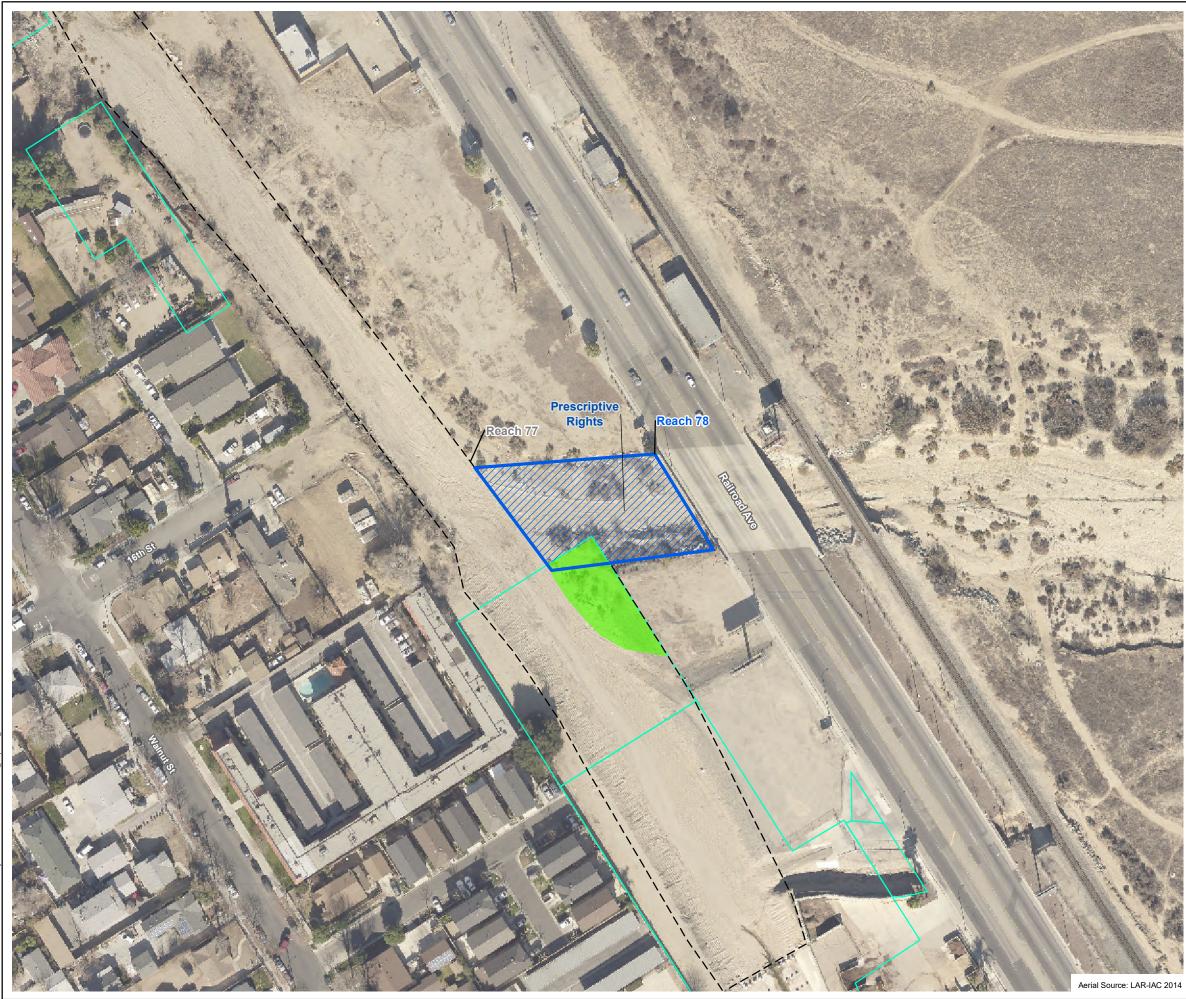
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are likely to have annual impacts or do not contain vegetation.











Reach Limits

- /// Prescriptive Rights
- Adjacent Reaches
  - LACFCD Easements

## **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

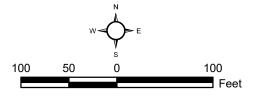
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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Portions of the channel inverts that do not overlap with a preserved polygon
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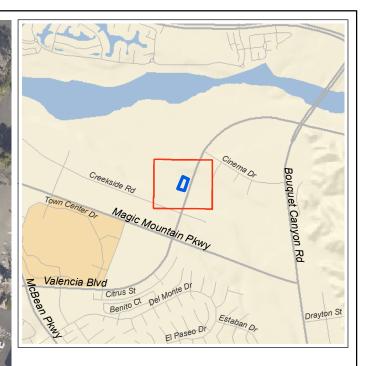


PSOMAS

# Reach 78 Placerita Creek







Reach Limits

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

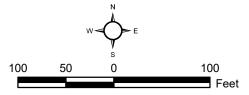
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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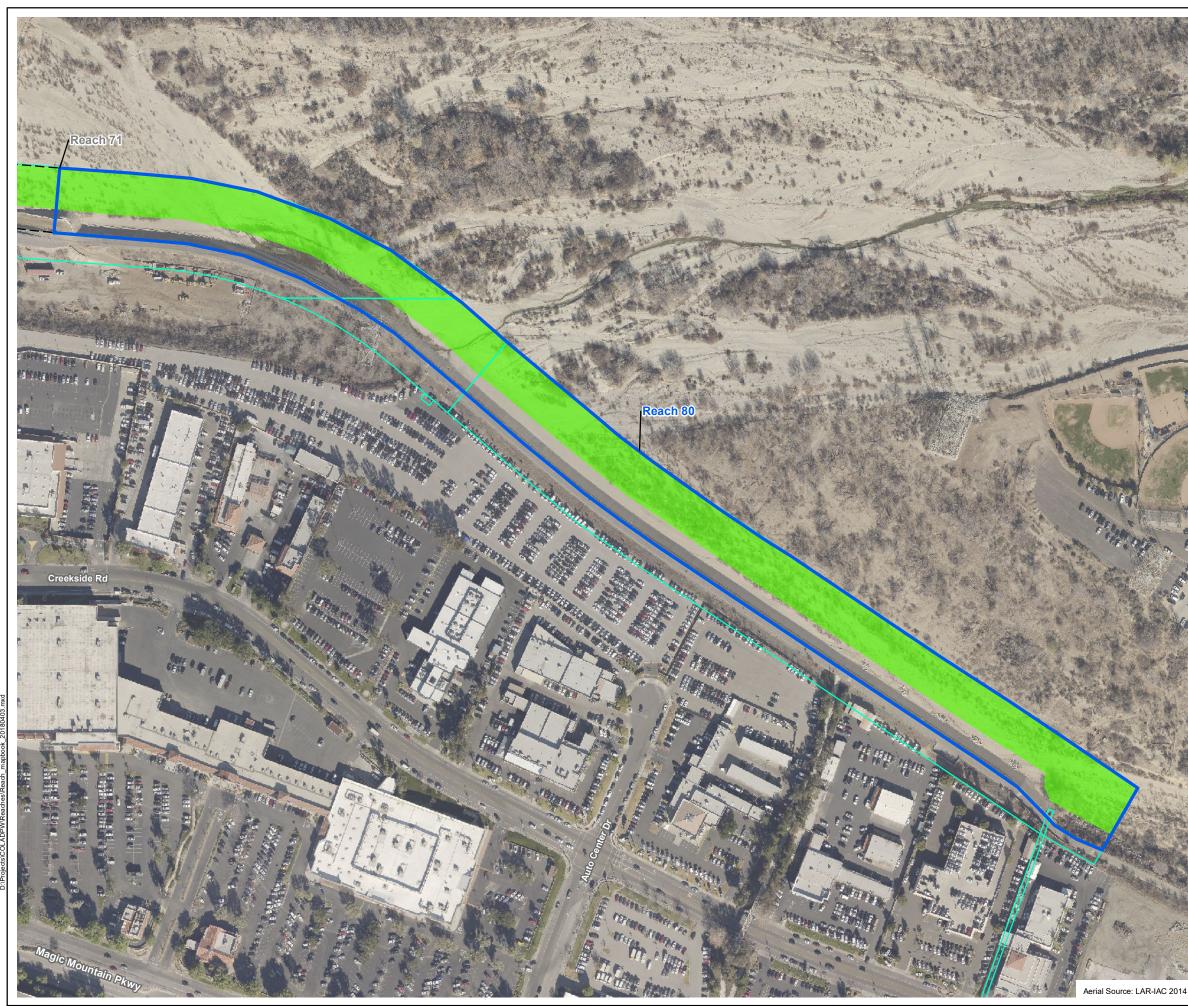


PSOMAS

# Reach 79

South Fork- Santa Clara River (Valencia Boulevard Bridge . Stabilizer)







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Reach Limits

Adjacent Reaches

LACFCD Easements

## Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

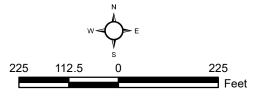
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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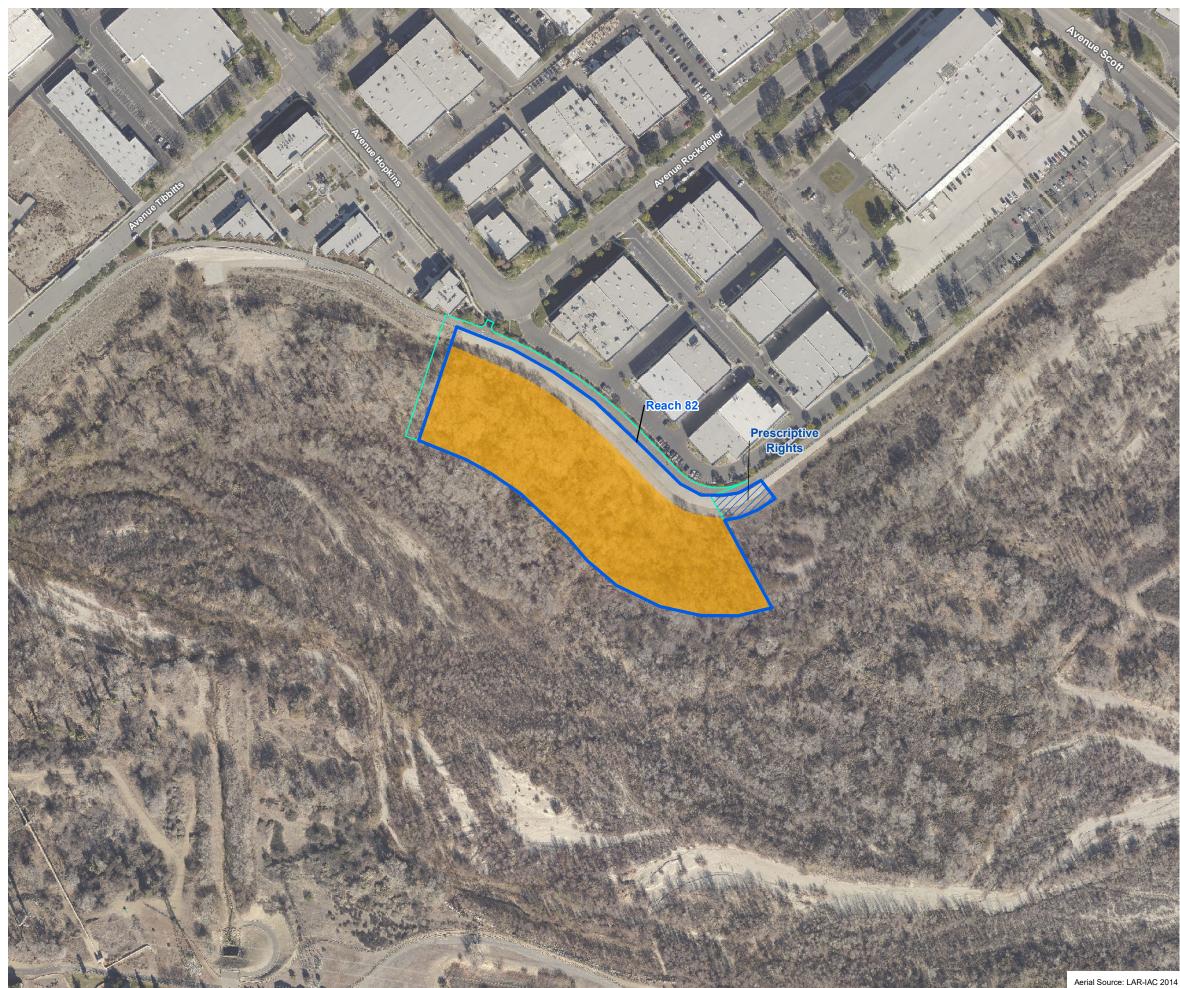
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 80

South Fork-Santa Clara River (PD's 1947 & 1946)







Reach Limits

- Prescriptive Rights
  - LACFCD Easements

## Preserved Polygons

Unmodified Preserved Polygon

Allow Vegetation to Grow

#### Definitions-

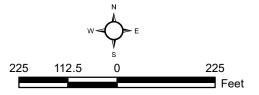
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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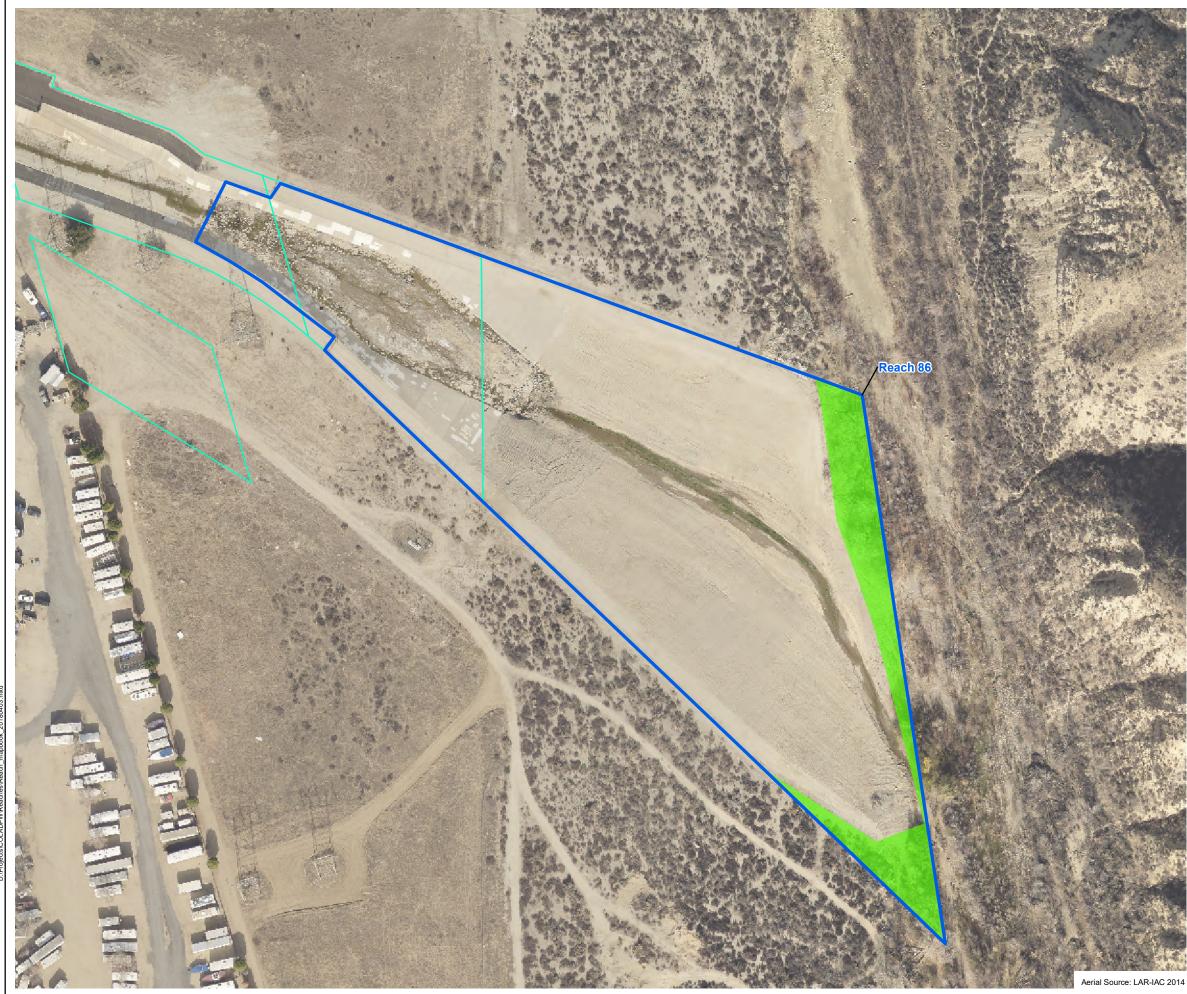


PSOMAS

# Reach 82

Santa Clara River Main Channel (PD 2278)







Reach Limits

LACFCD Easements

## Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

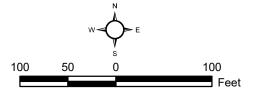
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

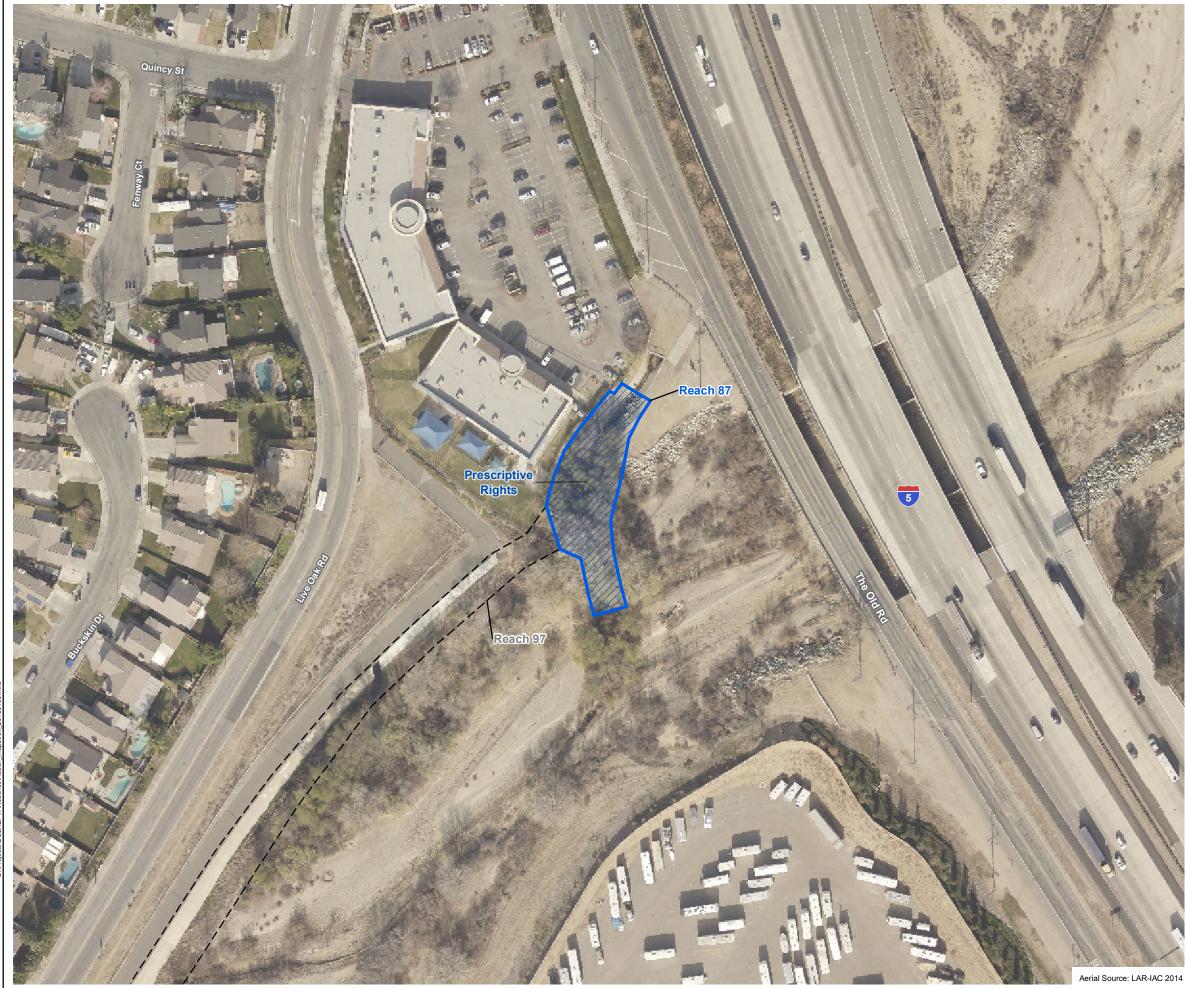
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 86

Violin Canyon Main Channel Outlet







Reach Limits

Prescriptive Rights

\_\_\_\_ Adjacent Reaches

#### Definitions-

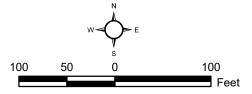
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

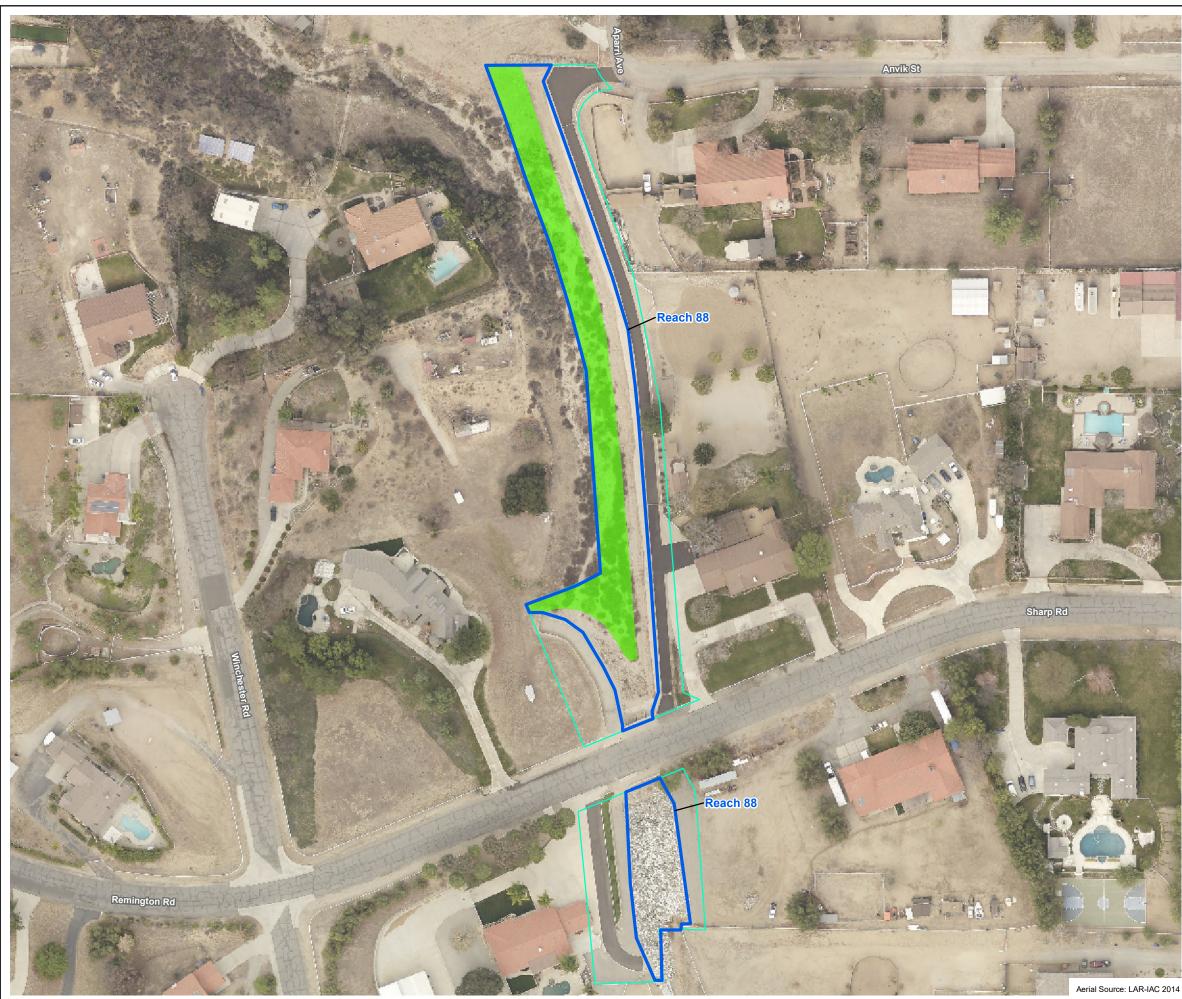
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 87

Castaic- Old Road Drainage (CDR 525.021D) Outlet





Reach Limits

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

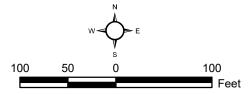
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

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PSOMAS

# Reach 88

Hasley Canyon Upper (PD T1496)





Reach Limits

Adjacent Reaches

LACFCD Easements

## Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

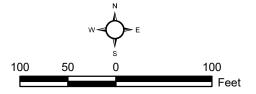
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



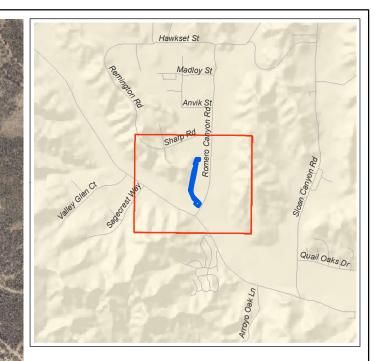
PSOMAS

# Reach 89

Hasley Canyon South Fork (PD T1496)







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Reach Limits

Adjacent Reaches

LACFCD Easements

## Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

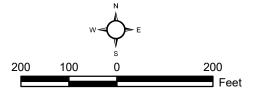
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 90

Hasley Canyon Lower (North Fork PD T1496)







Reach Limits

Prescriptive Rights

Adjacent Reaches

LACFCD Easements

## **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

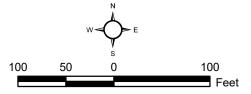
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 91

San Martinez Chiquito Canyon Channel u/s of Keningston Road





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Reach Limits

Adjacent Reaches

LACFCD Easements

## Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

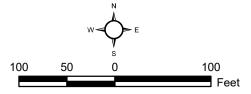
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 92

San Martinez Chiquito Canyon (North Fork) unnamed







Reach Limits

- Prescriptive Rights
- Adjacent Reaches
  - LACFCD Easements

## **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

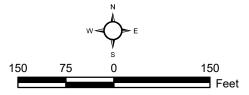
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

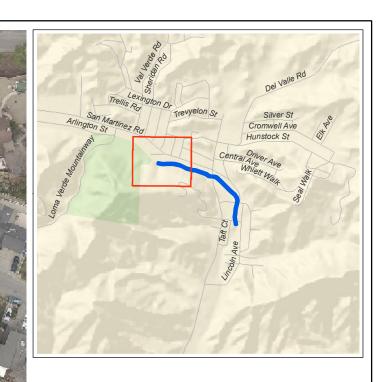


# Reach 93

San Martinez Chiquito Canyon between Keningston Road and Val Verde Park









Reach Limits

LACFCD Easements

## **Preserved Polygons**



Modified Preserved Polygon

Unmodified Preserved Polygon

#### Definitions-

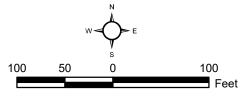
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



## Reach 94

## Sheet 1 of 3

PSOMAS

San Martinez Chiquito Canyon between Val Verde Park to d/s of Madison Street







Reach Limits

- Prescriptive Rights
  - LACFCD Easements

## Preserved Polygons

- Modified Preserved Polygon
- Unmodified Preserved Polygon

#### Definitions-

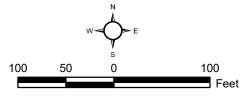
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

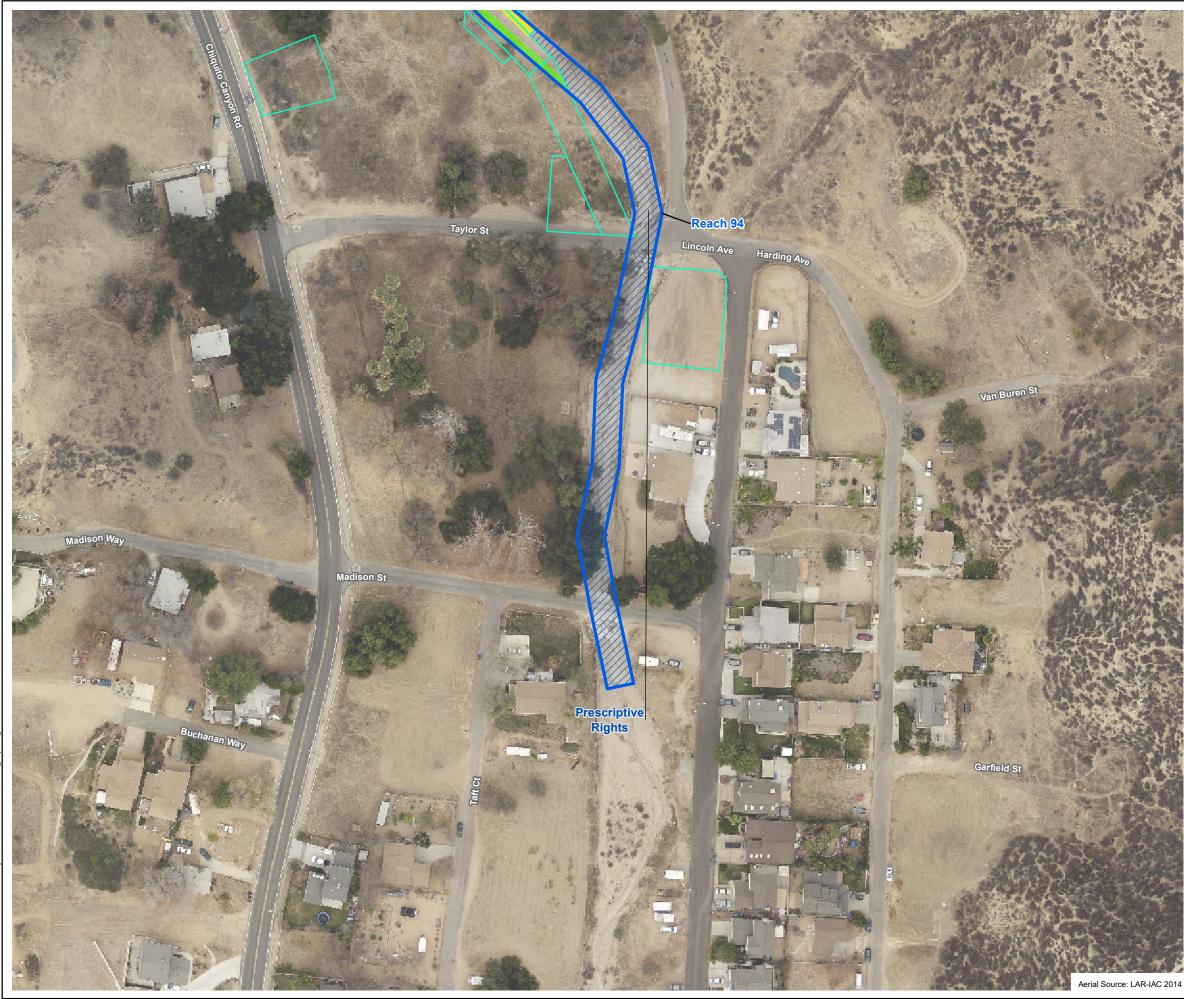


# Reach 94

## Sheet 2 of 3

San Martinez Chiquito Canyon between Val Verde Park to d/s of Madison Street





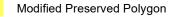




Reach Limits

- Prescriptive Rights
  - LACFCD Easements

## Preserved Polygons



Unmodified Preserved Polygon

#### Definitions-

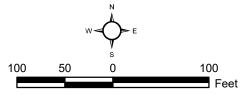
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

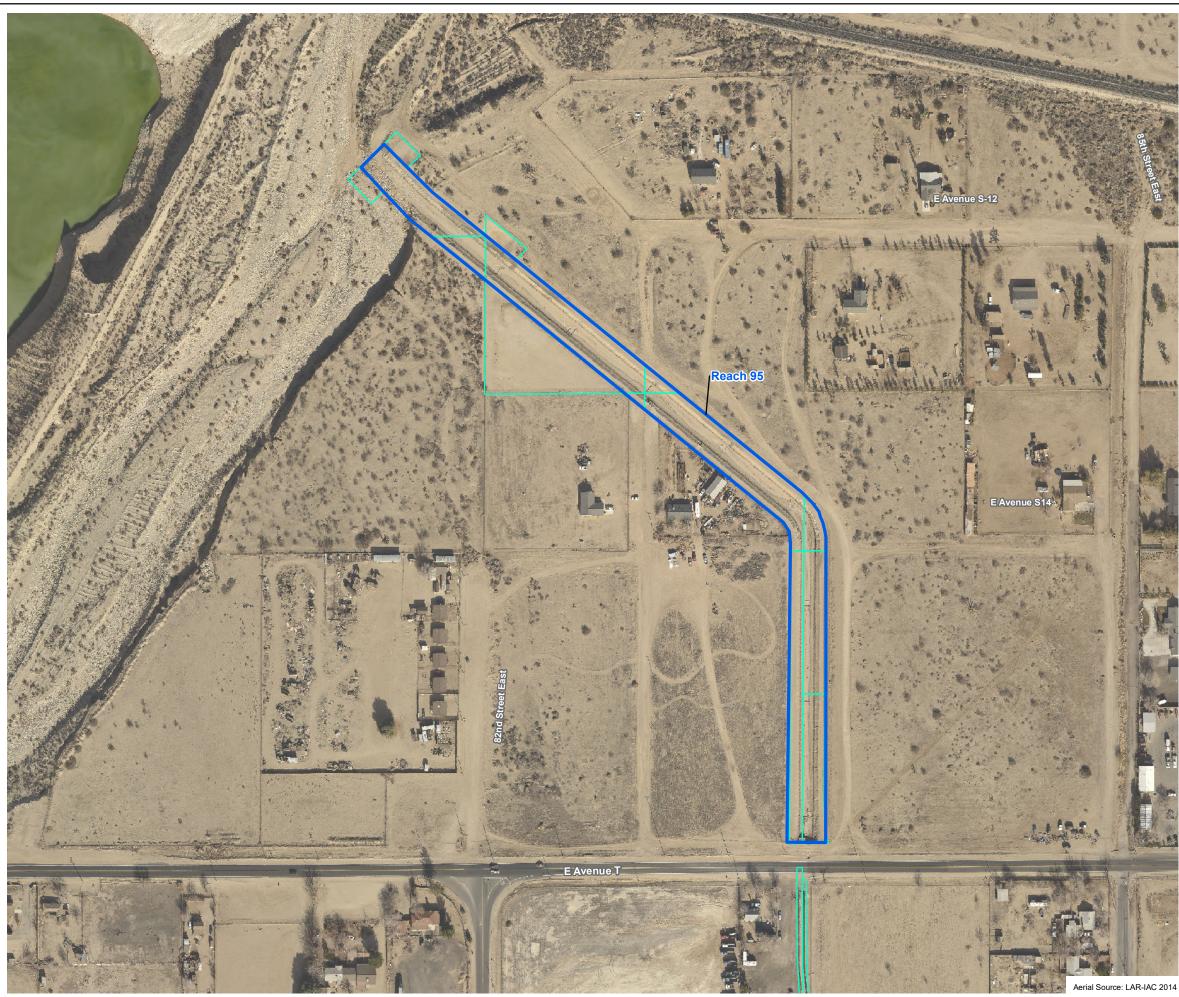


## Reach 94

## Sheet 3 of 3

PSOMAS

San Martinez Chiquito Canyon between Val Verde Park to d/s of Madison Street







#### Definitions-

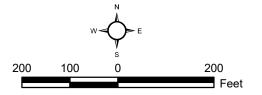
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

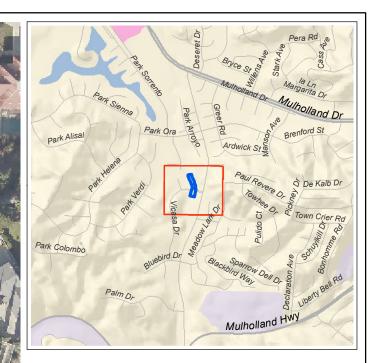
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 95 Project No. 1224





Reach Limits

LACFCD Easements

## **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

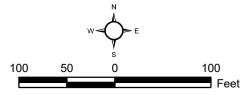
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

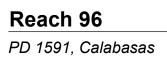
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.











**Preserved Polygons** 

Unmodified Preserved Polygon

#### Definitions-

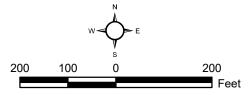
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

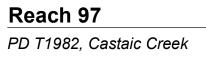
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

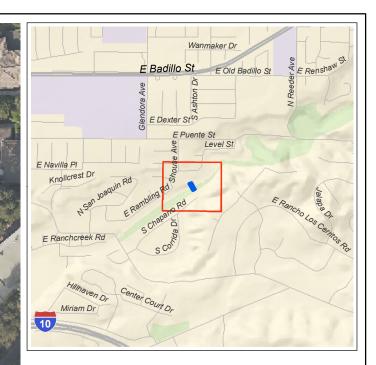
Unmodified preserved polygon: Vegetation rooted in the channel invert that is
not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.







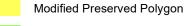




Reach Limits

LACFCD Easements

#### **Preserved Polygons**



- Unmodified Preserved Polygon

#### Definitions-

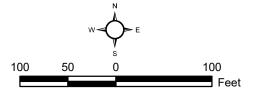
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

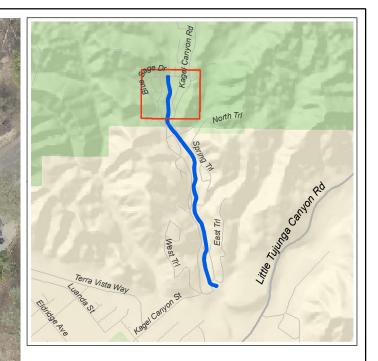


PSOMAS

# Reach 98

Walnut Creek - Channel Inlet







Reach Limits Prescriptive Rights

LACFCD Easements

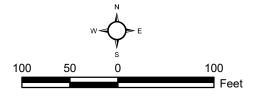
#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

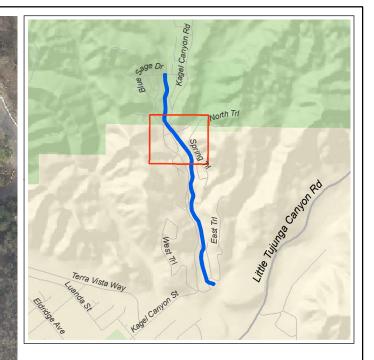
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

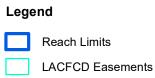
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.











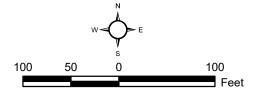
#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

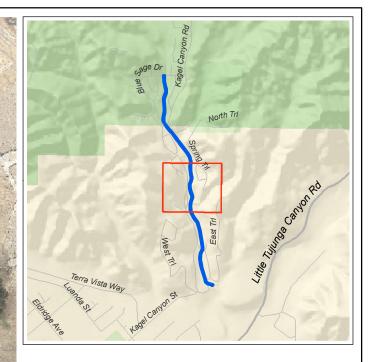
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

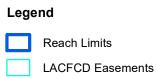
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.











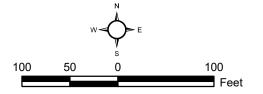
#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.









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Reach Limits Prescriptive Rights

LACFCD Easements

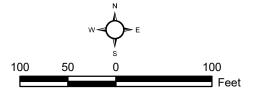
#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

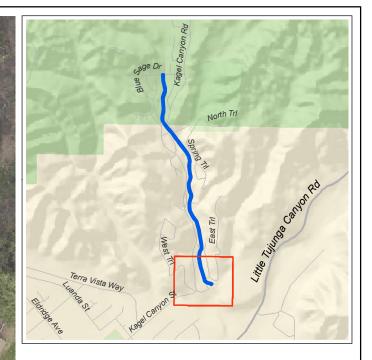
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.











Reach Limits Prescriptive Rights

LACFCD Easements

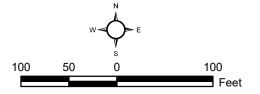
#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.





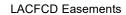






Reach Limits

Prescriptive Rights



### Preserved Polygons

Modified Preserved Polygon

#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

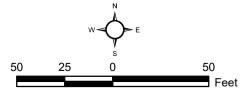
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

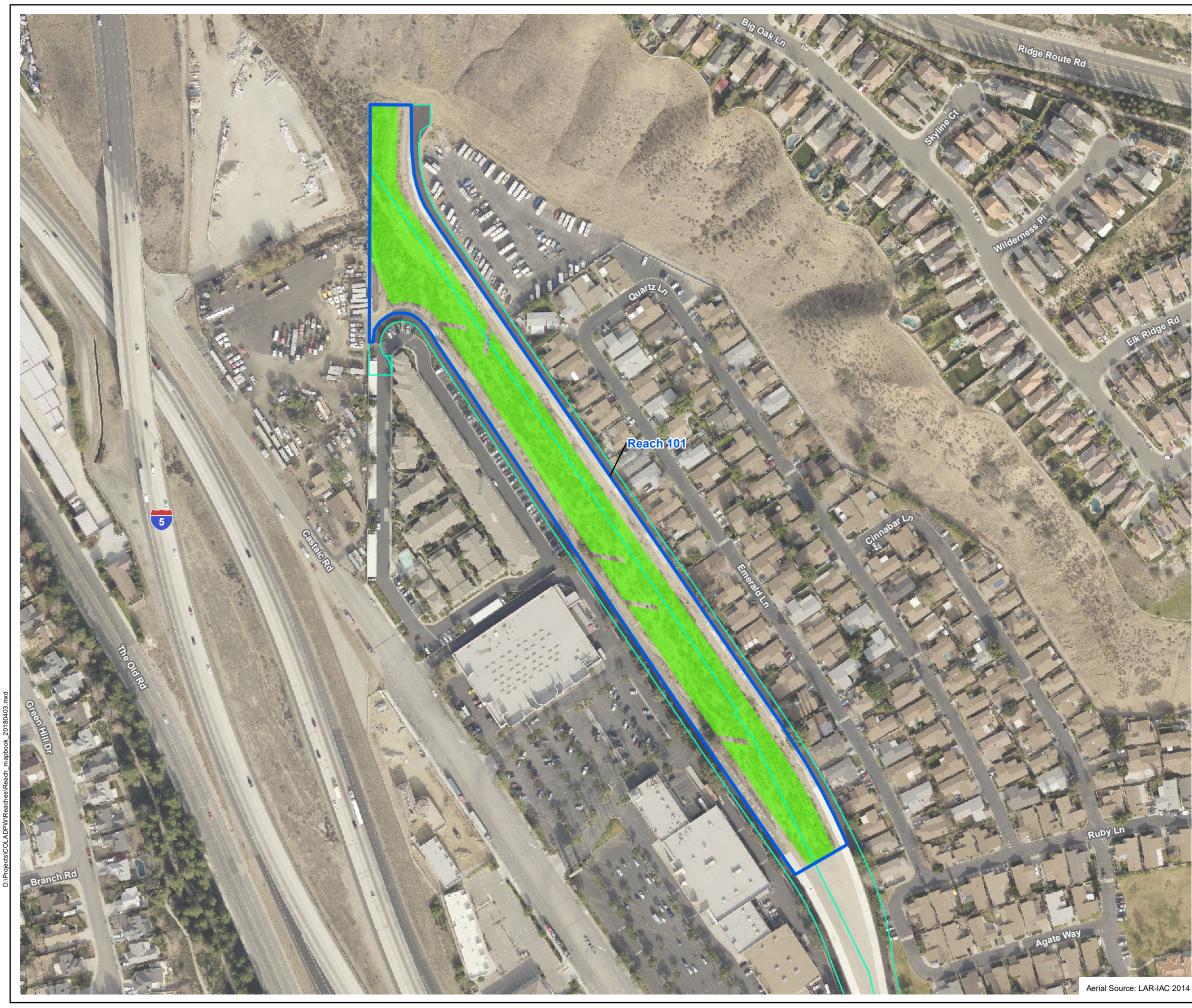
PSOMAS



# Reach 100

Dry Canyon, Calabasas Creek Inlet







Reach Limits

LACFCD Easements

## **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

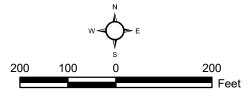
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

PSOMAS



# Reach 101 Violin Canyon (PD 2312)





Reach Limits

LACFCD Easements

## Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

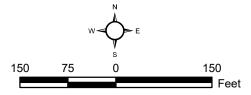
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

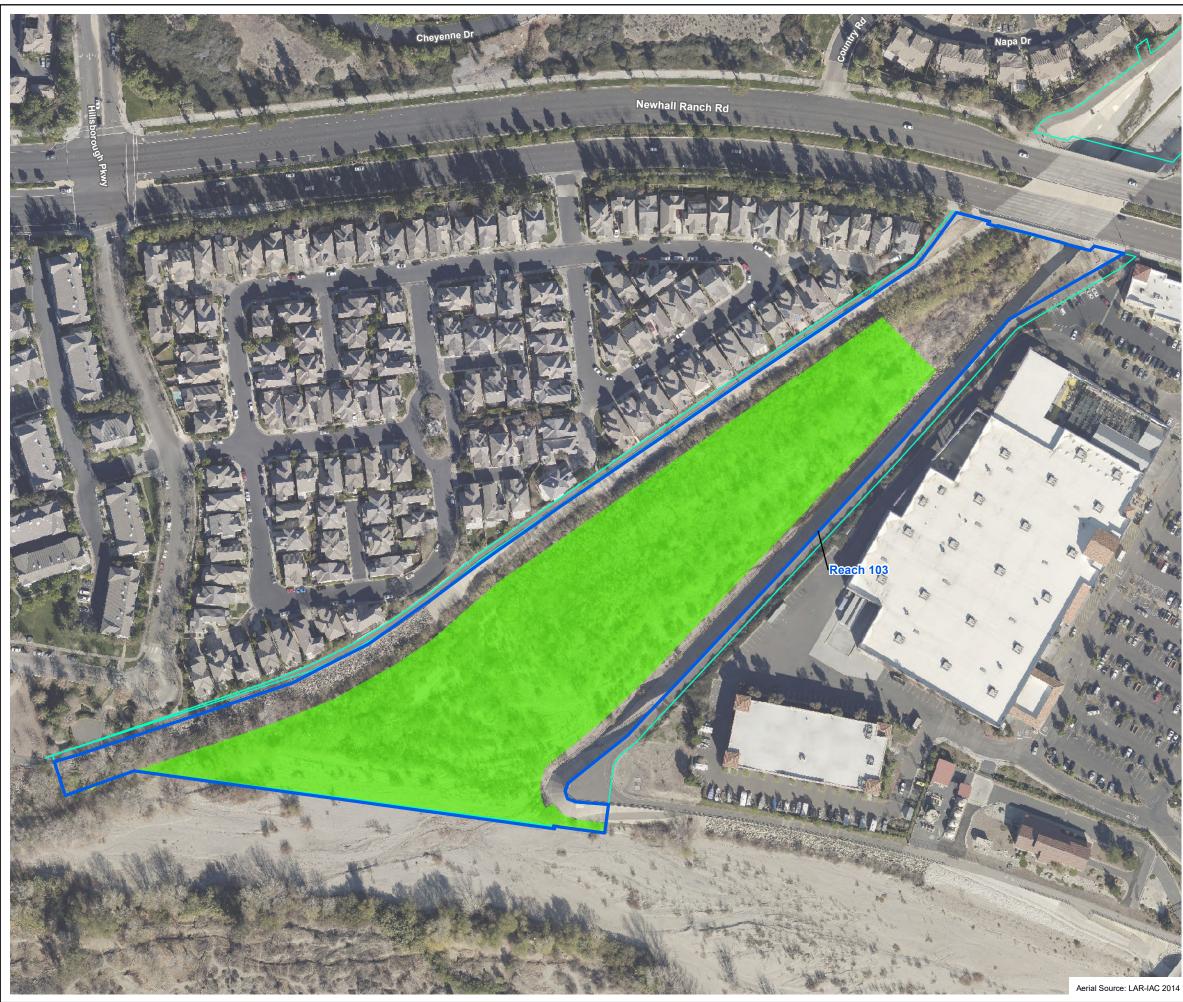
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

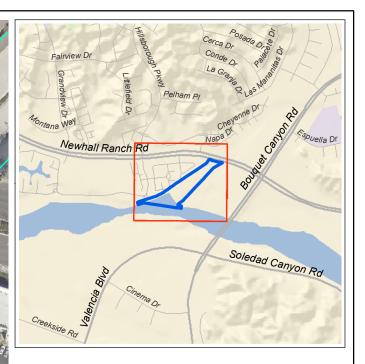
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 102 Violin Canyon (PD 2275)



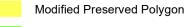




Reach Limits

LACFCD Easements

## **Preserved Polygons**



- Unmodified Preserved Polygon

#### Definitions-

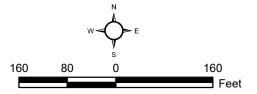
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

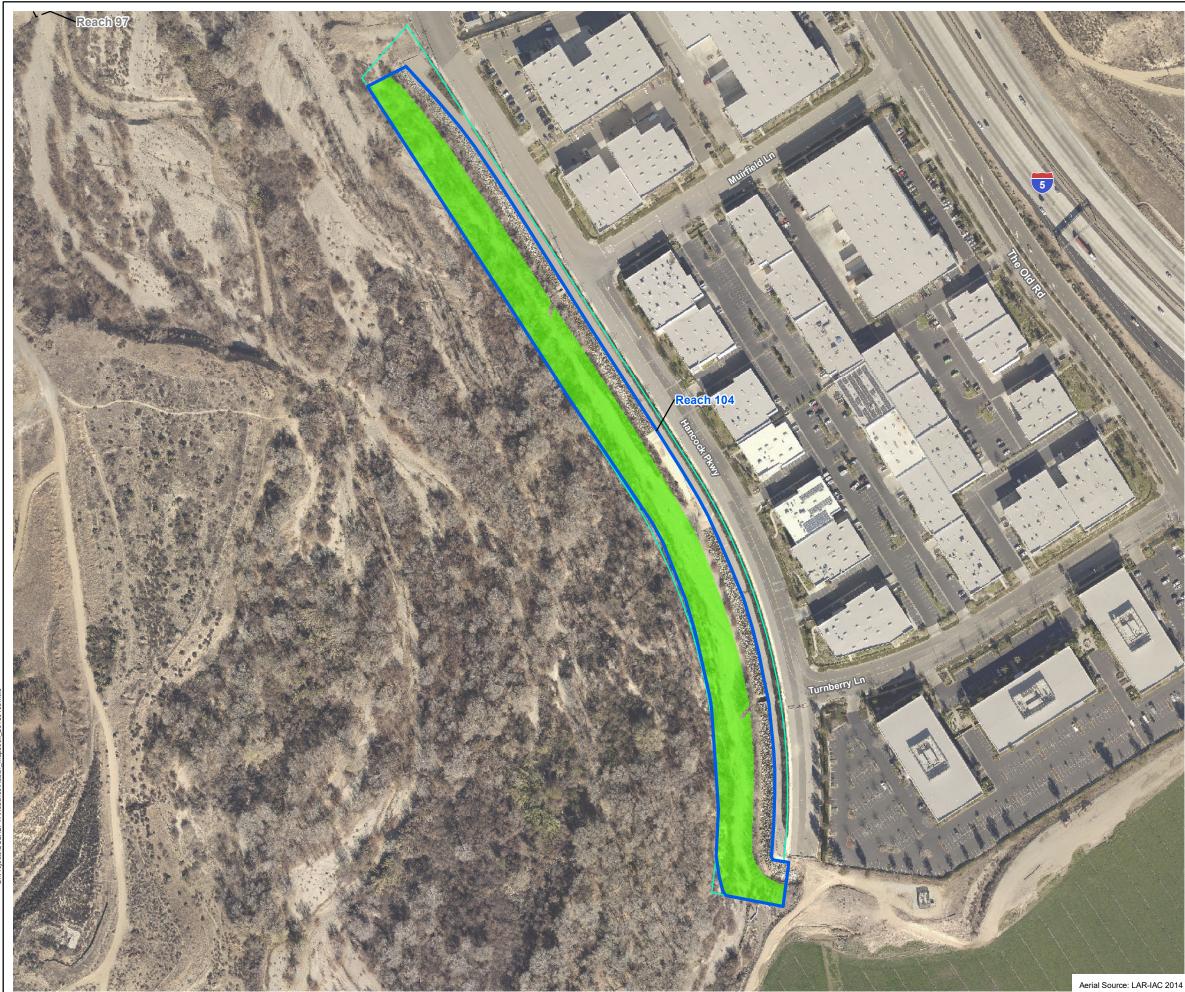
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



# Reach 103

Bouquet Canyon Channel (PD 2225)







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Reach Limits

Adjacent Reaches

LACFCD Easements

## Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

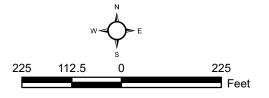
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 104 Castaic Creek (PD 2441 Unit 2)





Reach Limits

LACFCD Easements

## **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

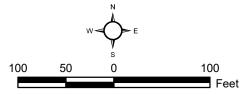
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

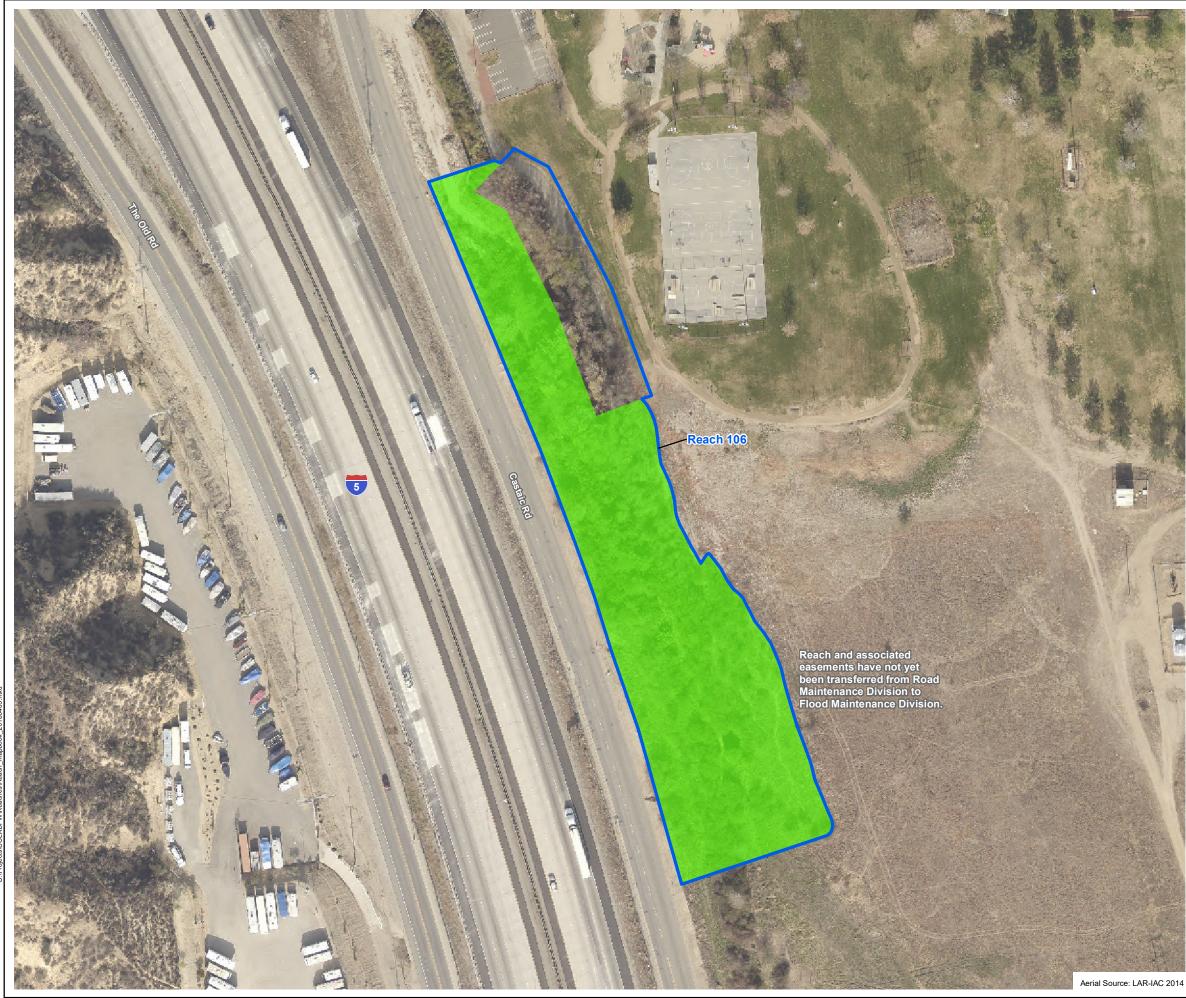
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 105

San Francisquito Canyon Channel (PD 2456)







Reach Limits

## **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

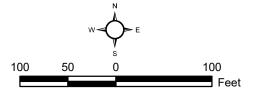
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

## Reach 106 Castaic Drain Outlet

17







#### Definitions-

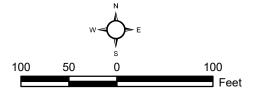
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 107 The Old Road Channels







**Reach Limits** LACFCD Easements

#### Definitions-

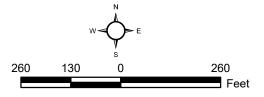
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

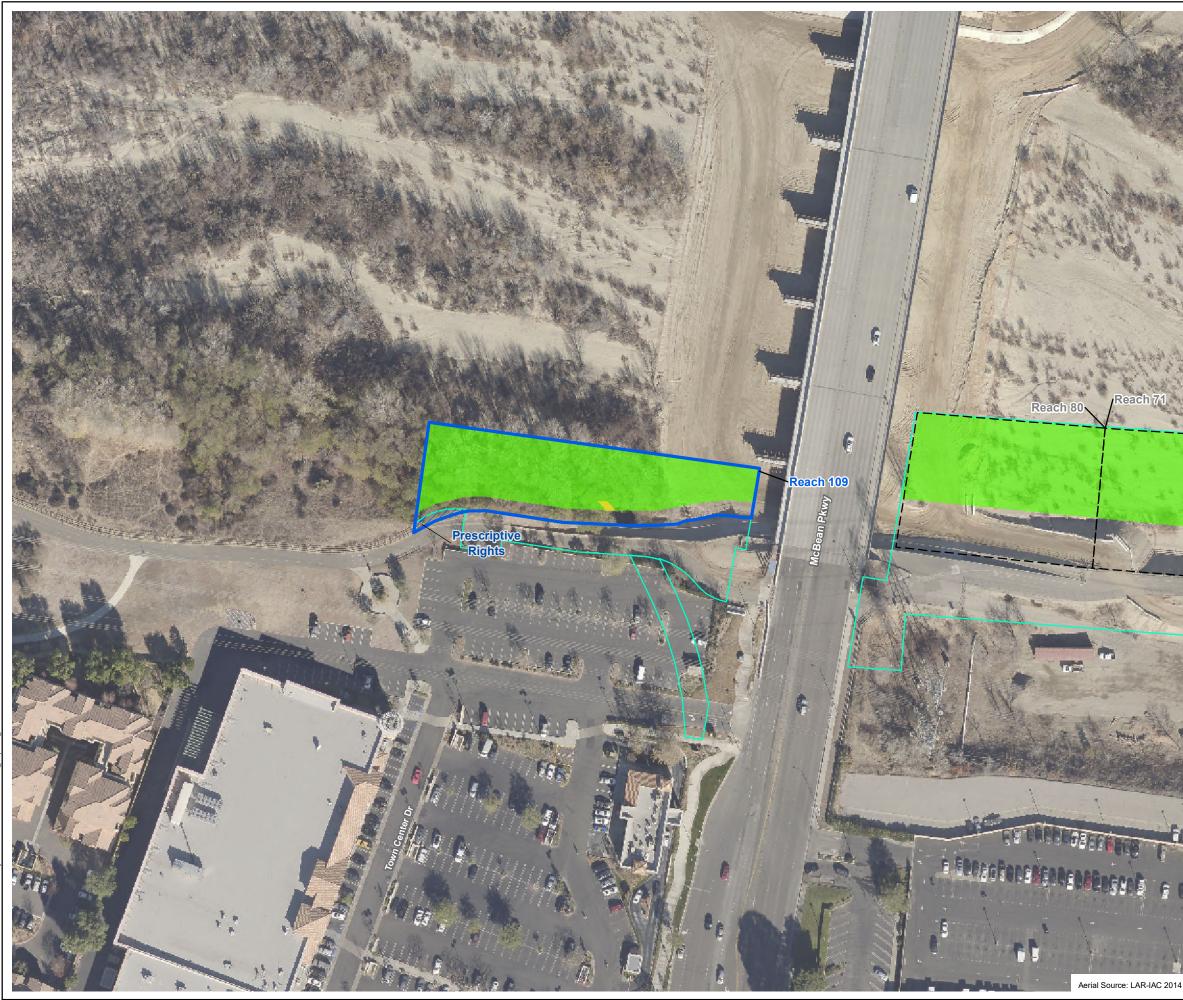
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 108 Pico Canyon ( PD 2528)





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- Reach Limits
- Prescriptive Rights
- Adjacent Reaches
- LACFCD Easements

# erved Polygons

- Modified Preserved Polygon
- Unmodified Preserved Polygon

#### Definitions-

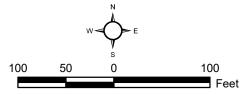
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



PSOMAS

# Reach 109

Santa Clara River - South Bank West of Mcbean Parkway (MTD1510)







Reach Limits

LACFCD Easements

### Preserved Polygons

Modified Preserved Polygon (Bi-annual)

#### Definitions-

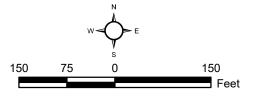
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

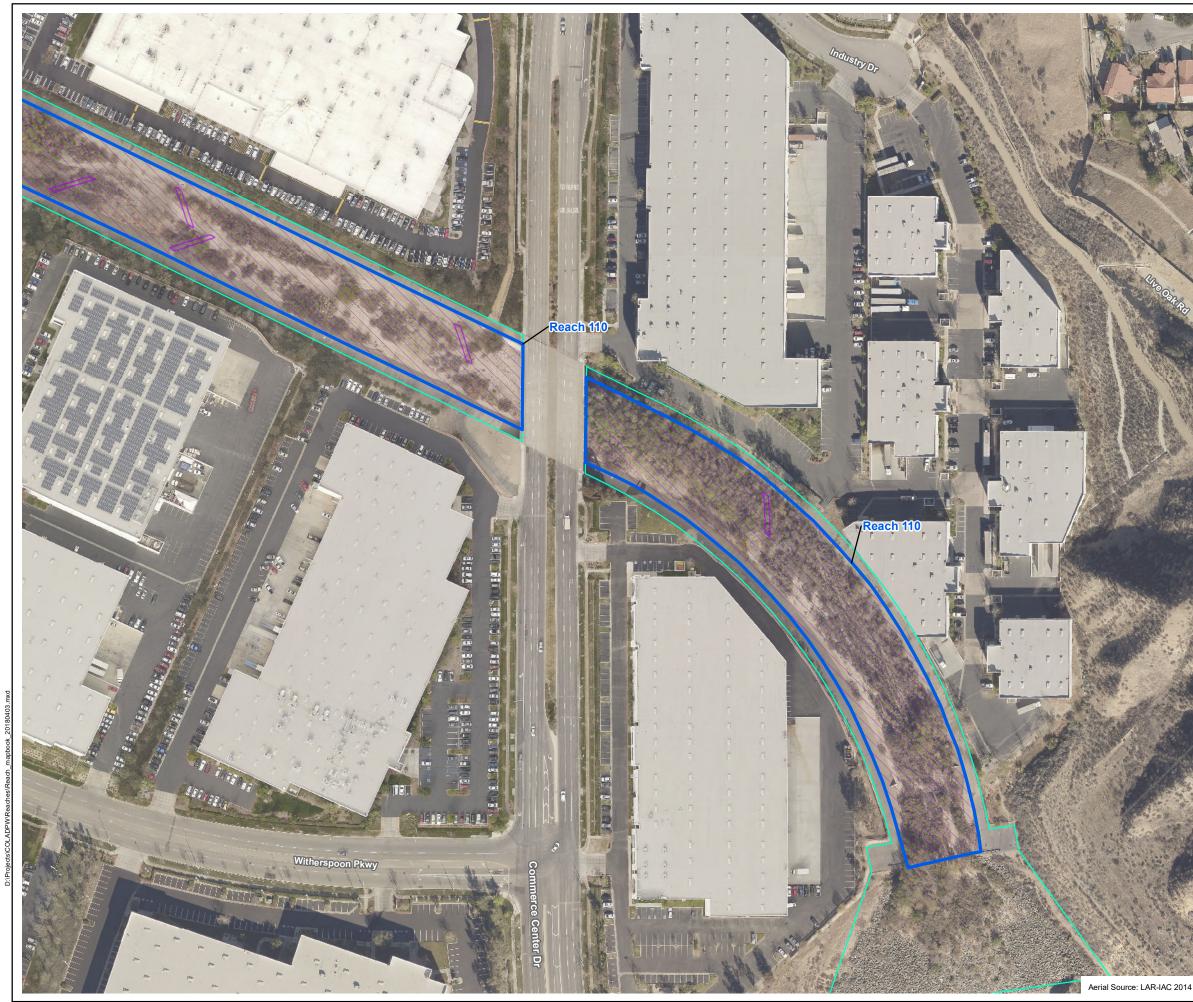
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.



# Reach 110

Hasley Canyon Channel (PD2262)

Sheet 1 of 2







Reach Limits

LACFCD Easements

### Preserved Polygons

Modified Preserved Polygon (Bi-annual)  $\left| \right\rangle$ 

#### Definitions-

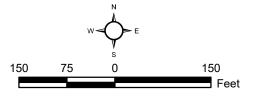
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

• Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

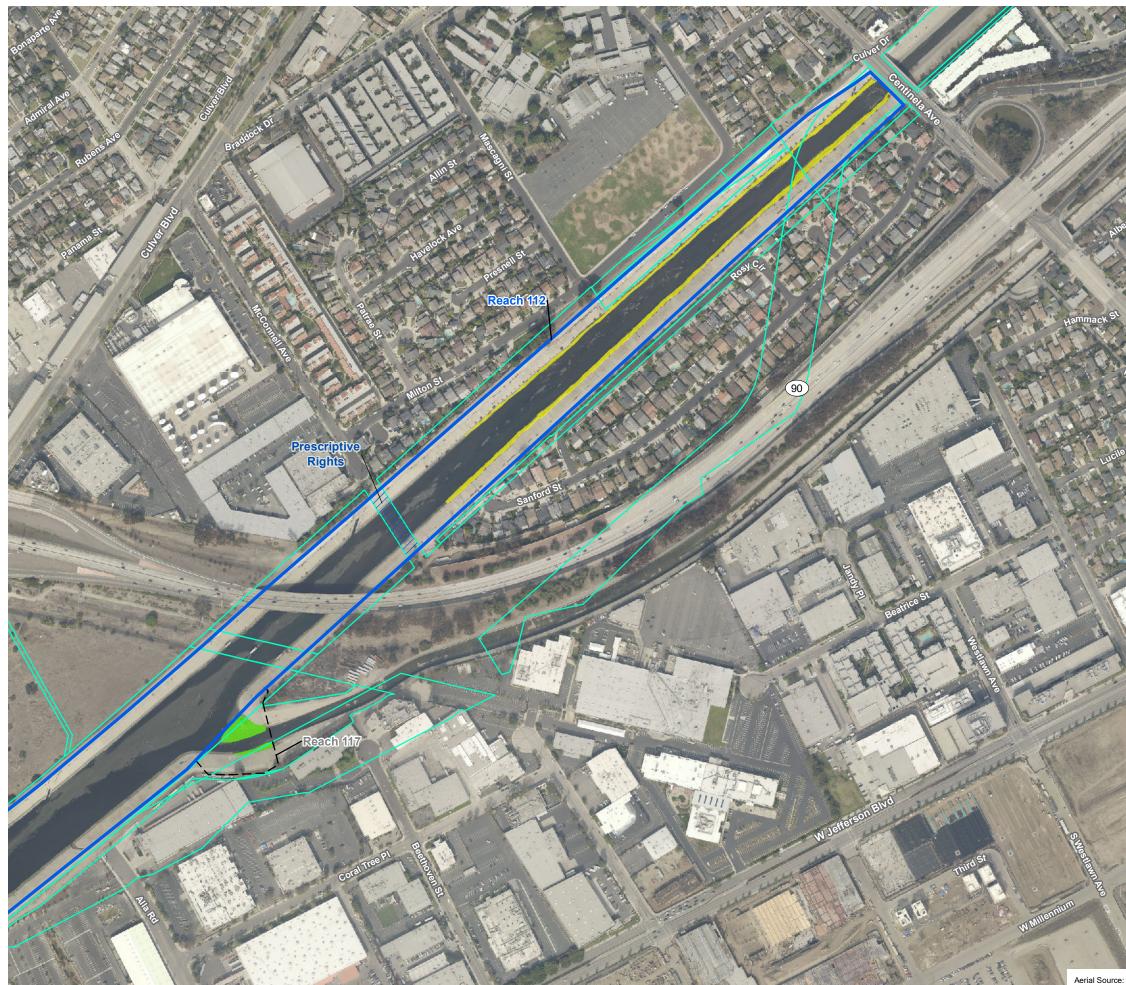
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.

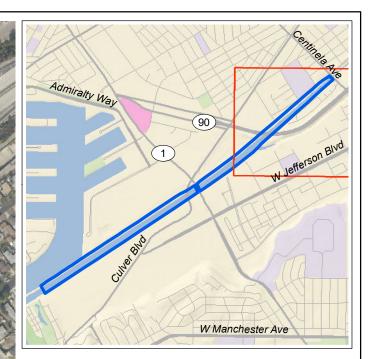


# Reach 110

Hasley Canyon Channel (PD2262)

Sheet 2 of 2





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| Prese           |  |

- Reach Limits
  - Prescriptive Rights
- Adjacent Reaches
- LACFCD Easements

# erved Polygons

- Modified Preserved Polygon
- Unmodified Preserved Polygon

#### Definitions-

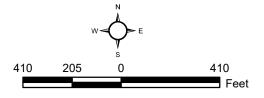
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

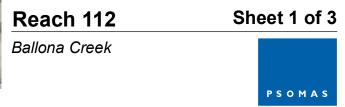
Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

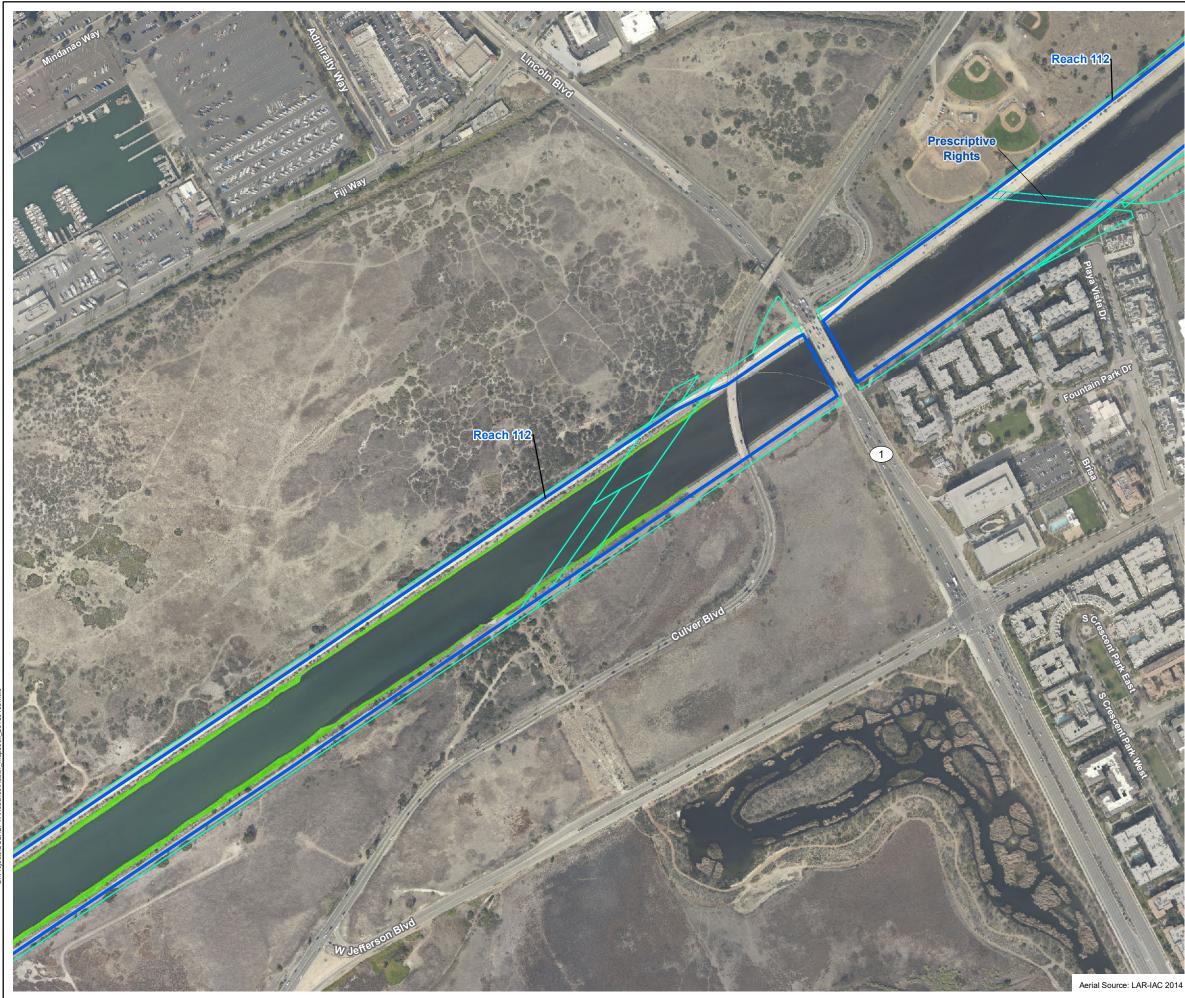
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

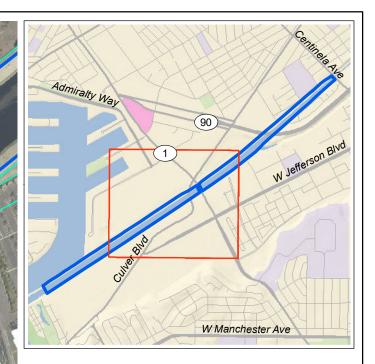
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.











Reach Limits

Prescriptive Rights

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

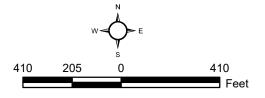
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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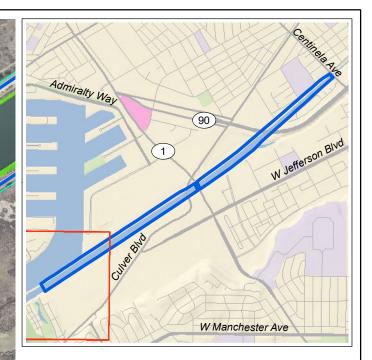
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

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Reach Limits

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

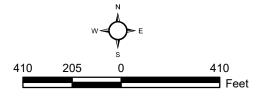
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

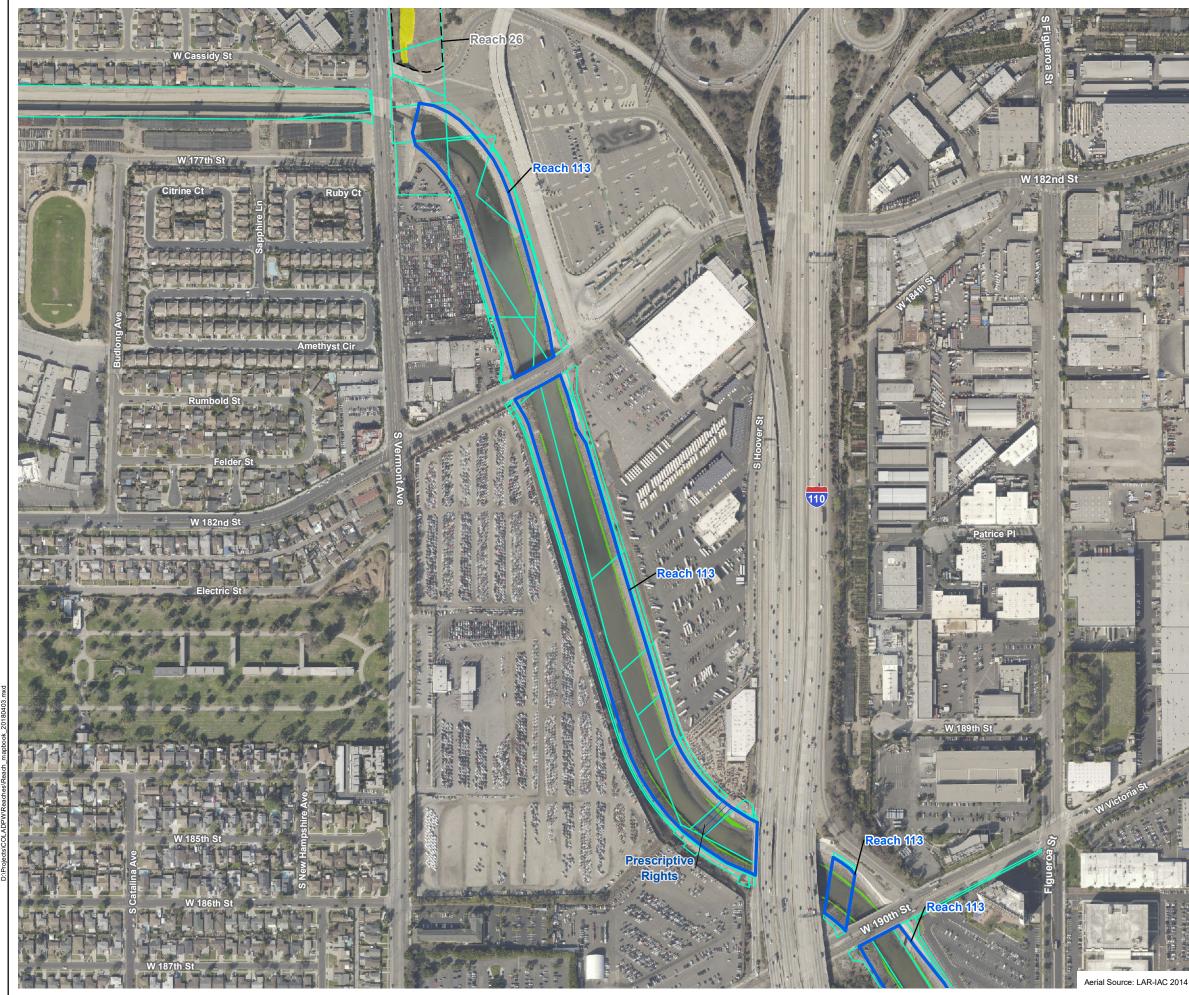
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

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- Reach Limits
- Prescriptive Rights
- Adjacent Reaches
- LACFCD Easements

### **Preserved Polygons**

- Modified Preserved Polygon
- Unmodified Preserved Polygon

#### Definitions-

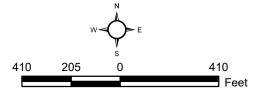
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

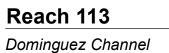
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Reach Limits

Prescriptive Rights

LACFCD Easements

### **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

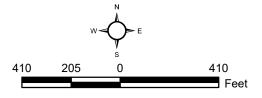
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

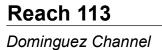
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Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

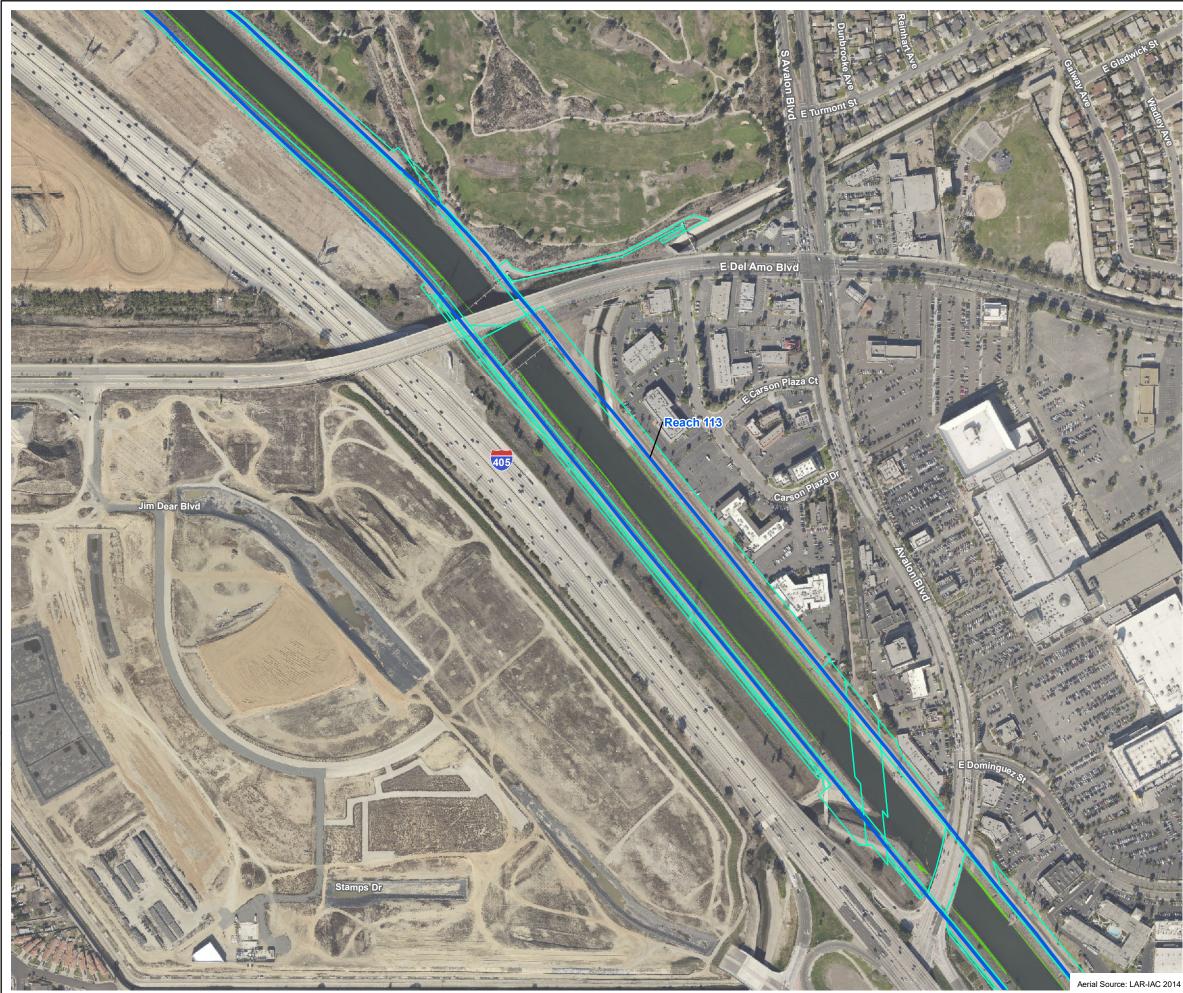
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.





Sheet 2 of 9







Reach Limits

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

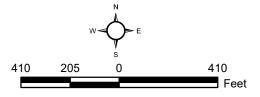
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

Prescriptive rights: Small portions of the channel inverts that a) do not have LACFCD easements and b) have been continually maintained since 1997.

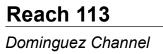
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

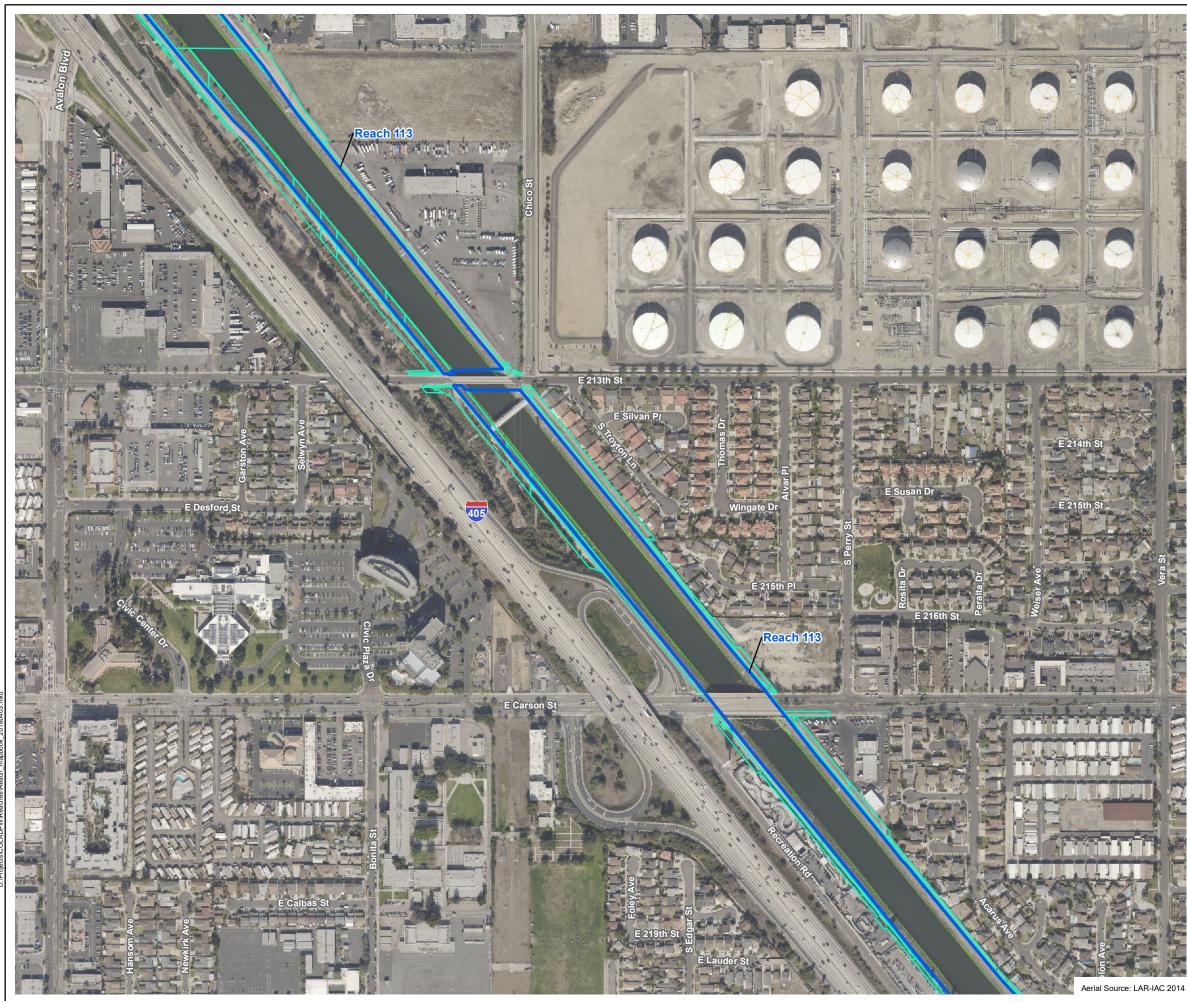
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Reach Limits

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

Reach 113

Dominguez Channel

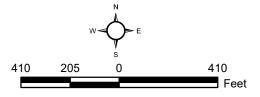
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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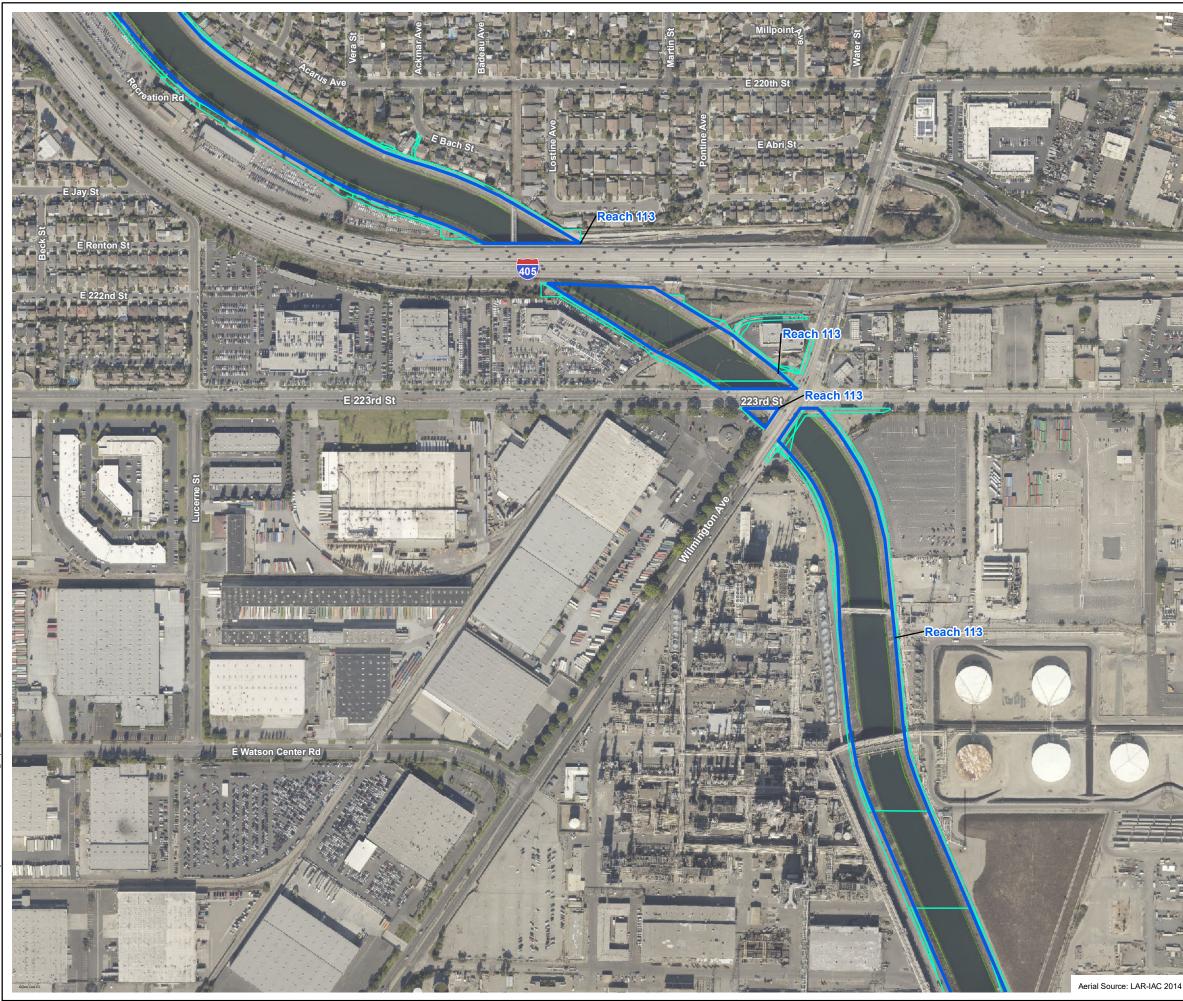
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

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Reach Limits

LACFCD Easements

### **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

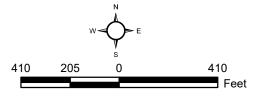
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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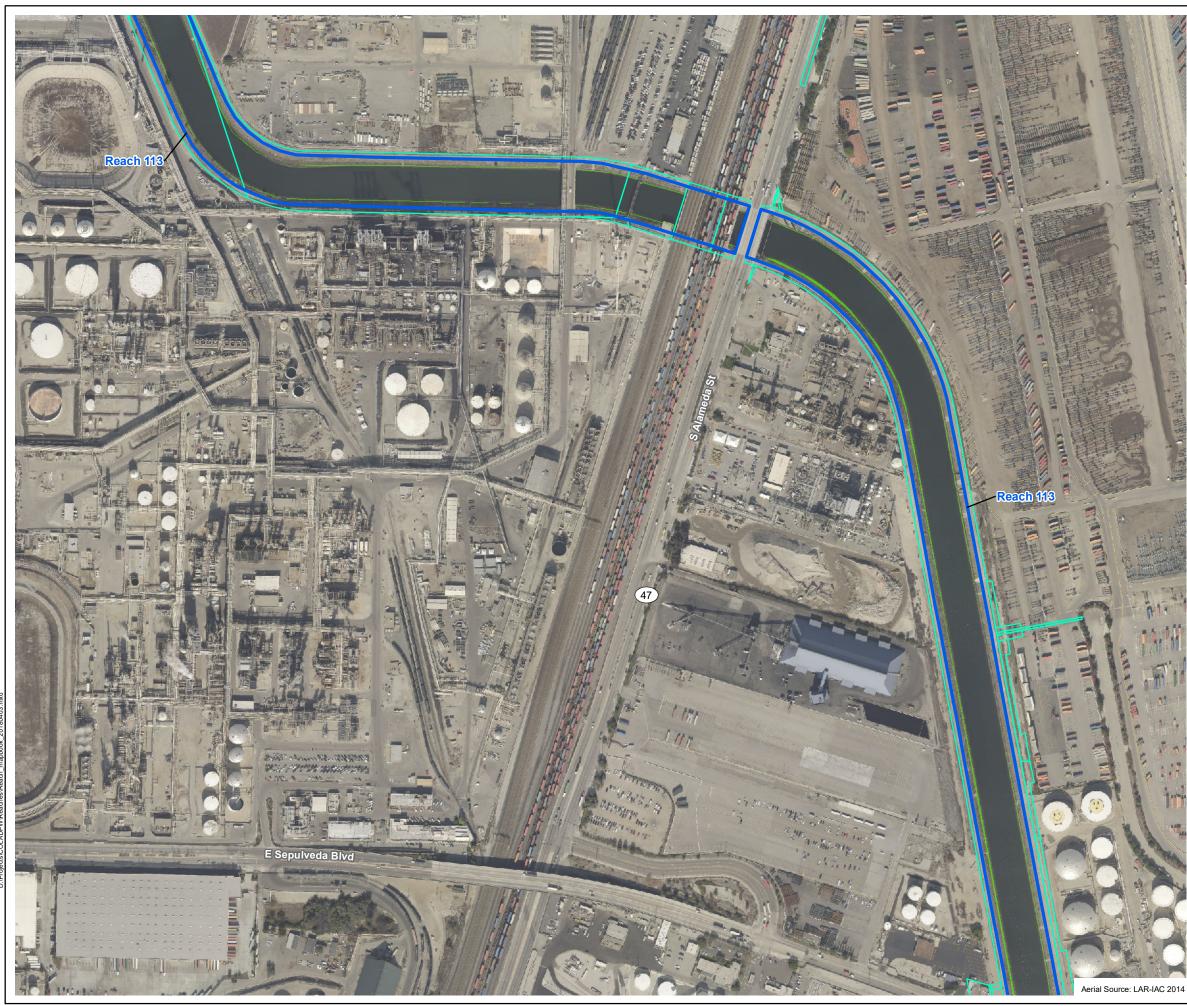




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Reach Limits

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

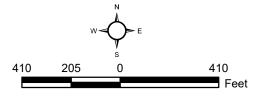
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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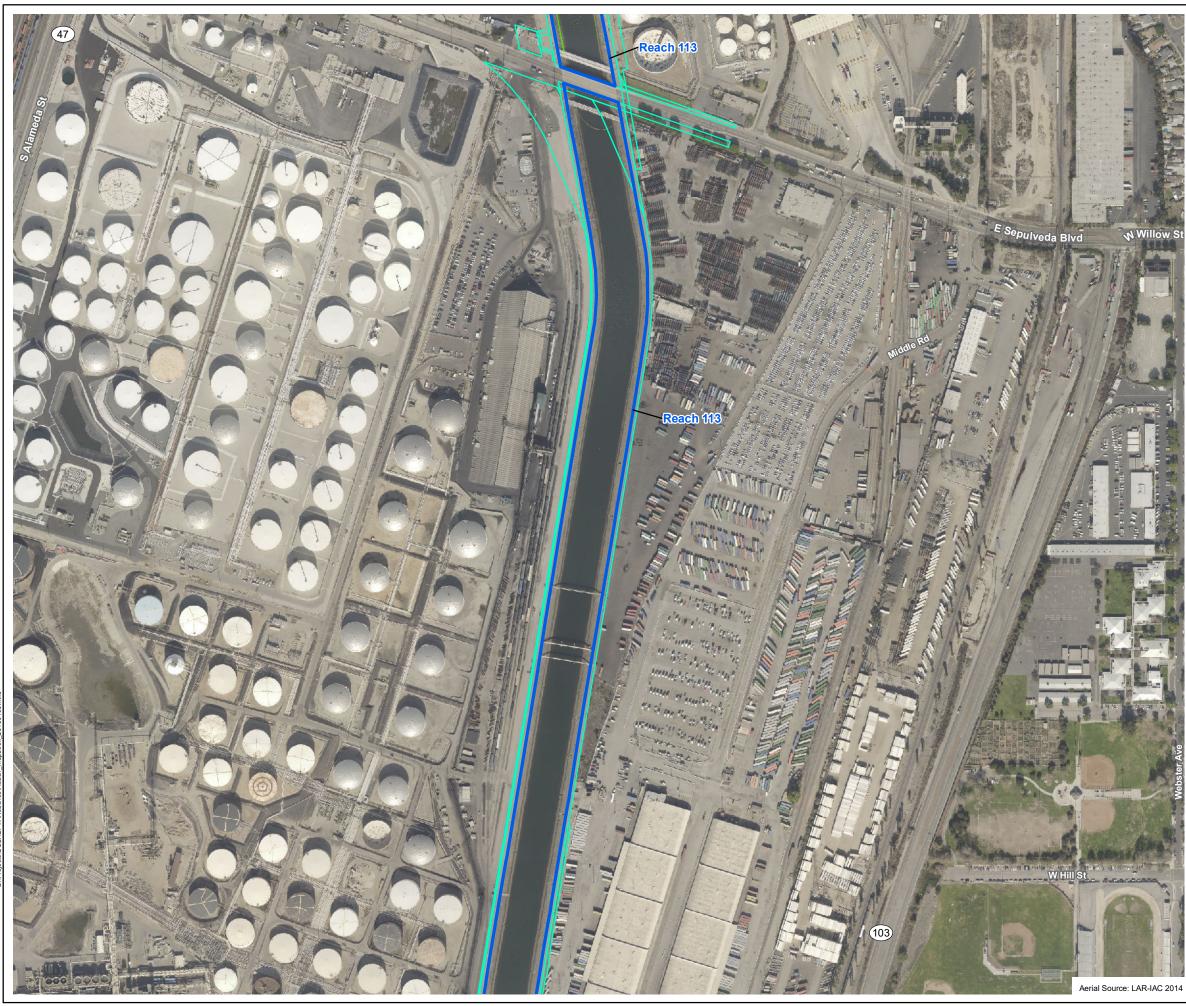


PSOMAS

Dominguez Channel

Reach 113

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Reach Limits

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

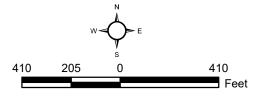
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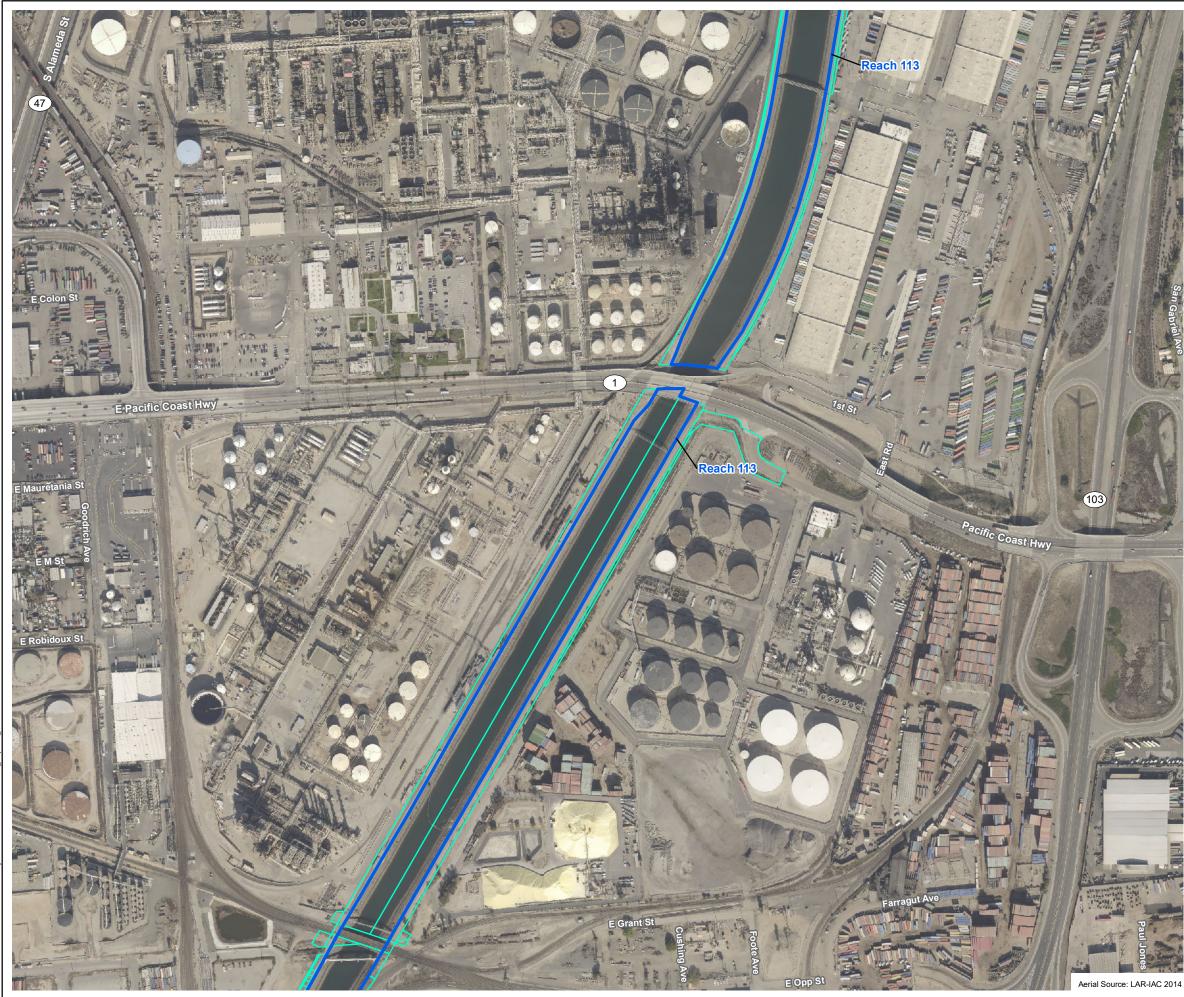
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.





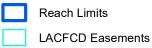
PSOMAS

Dominguez Channel









#### Definitions-

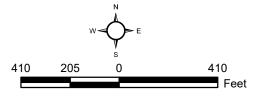
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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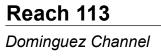
Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

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Reach Limits

- Prescriptive Rights
- LACFCD Easements

#### Definitions-

Reach 113

Dominguez Channel

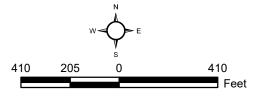
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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Modified preserved polygon: Vegetation rooted in the channel invert that is modified in some way. For example, small herbaceous plants may be mowed, mature trees may be lollipopped, or vehicles may temporarily drive on it.

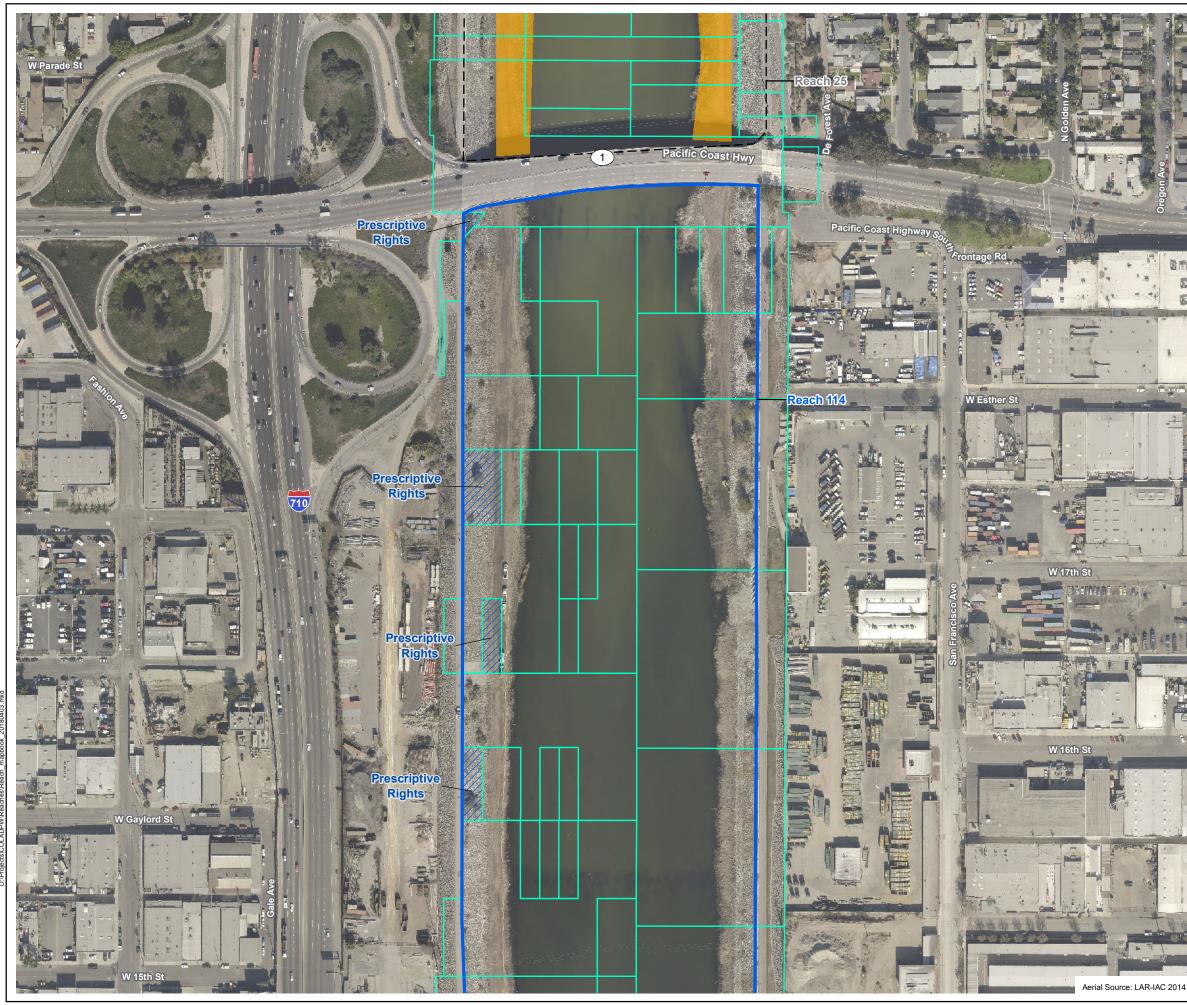
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

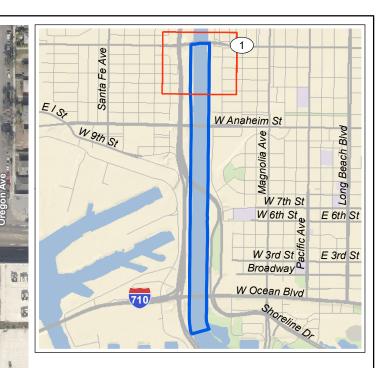
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.













**Reach Limits** 

- Prescriptive Rights
- Adjacent Reaches
  - LACFCD Easements

### **Preserved Polygons**

Allow Vegetation to Grow

#### Definitions-

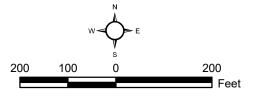
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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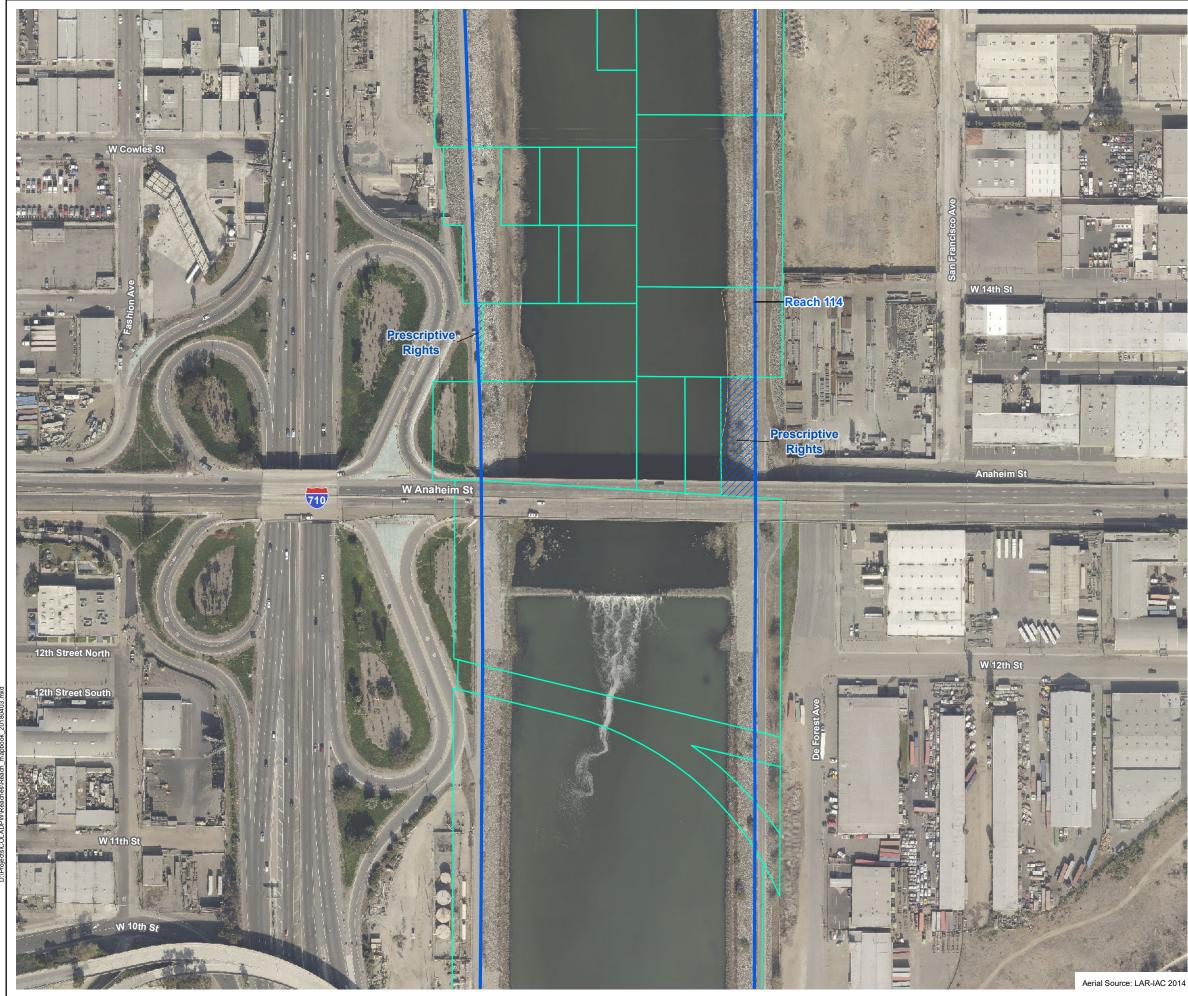
Unmodified preserved polygon: Vegetation rooted in the channel invert that is not maintained or touched in anyway.

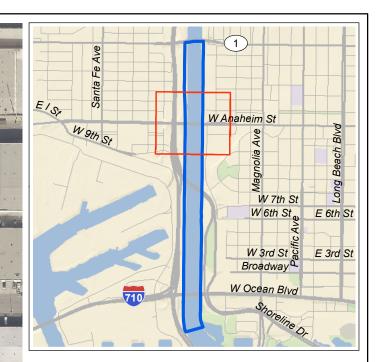
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.













Reach Limits

- Prescriptive Rights
- LACFCD Easements

#### Definitions-

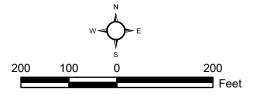
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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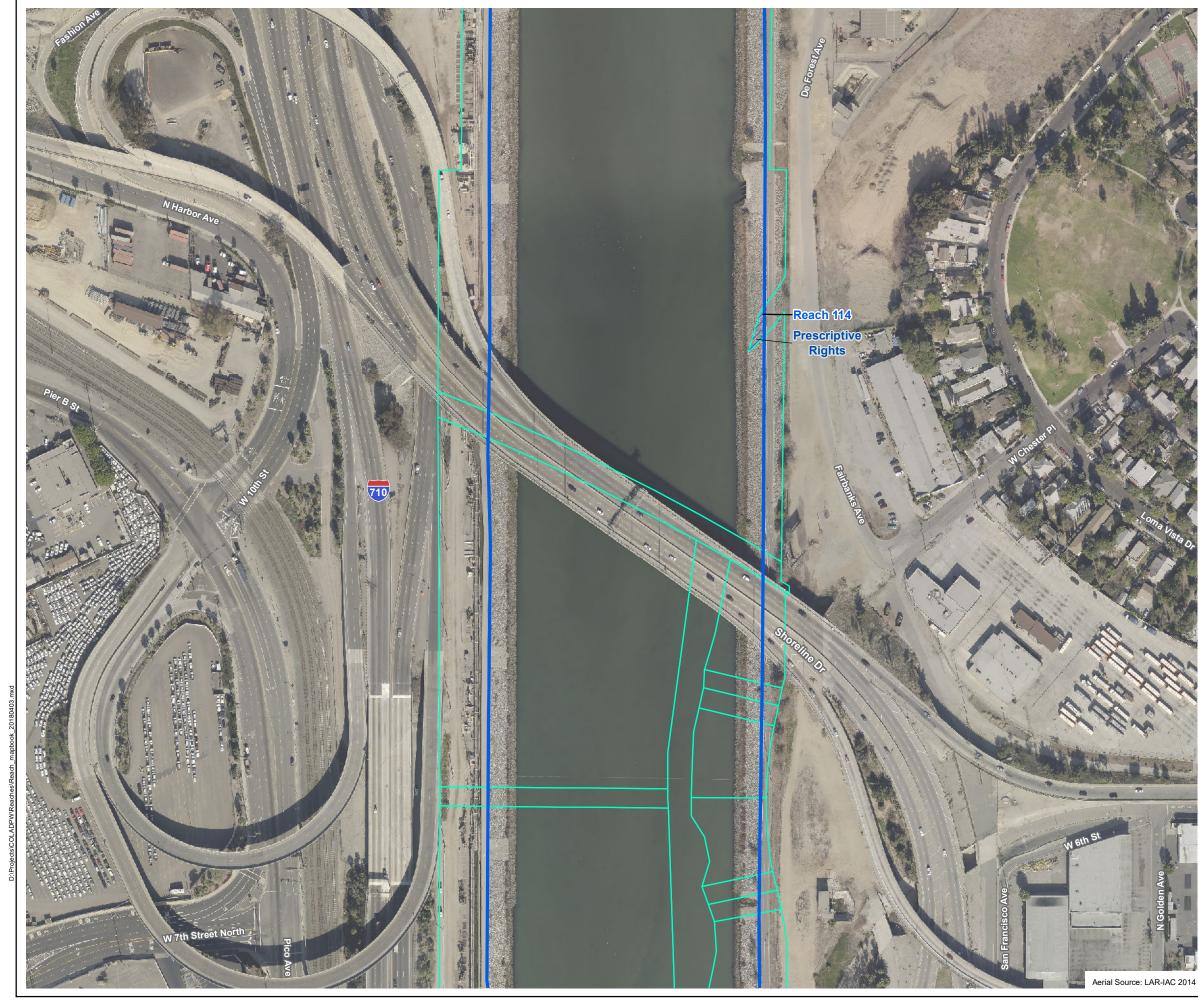
• Portions of the channel inverts that do not overlap with a preserved polygon are likely to have annual impacts or do not contain vegetation.





PSOMAS

Los Angeles River







Reach Limits

- Prescriptive Rights
- LACFCD Easements

#### Definitions-

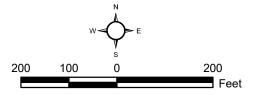
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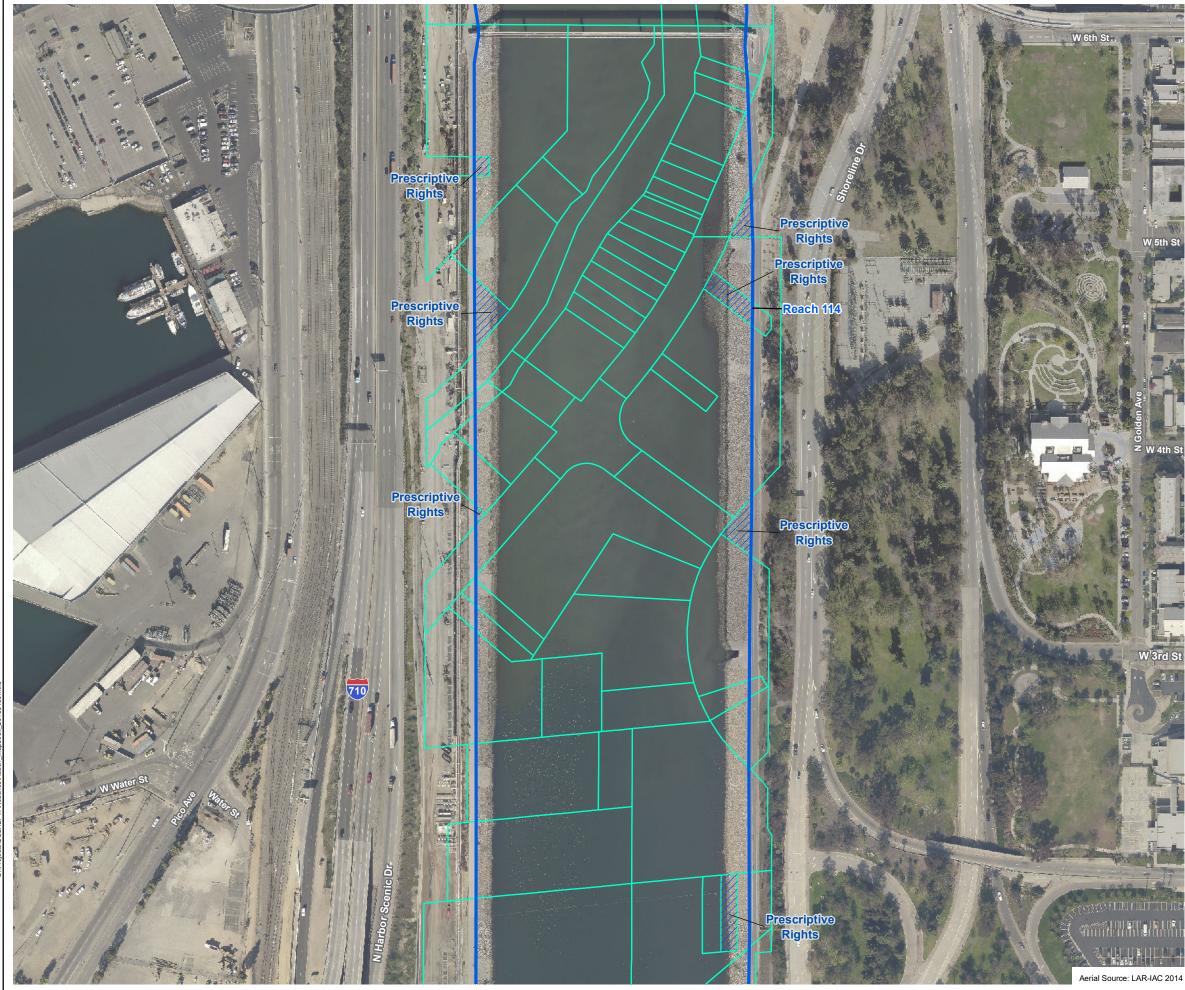
Portions of the channel inverts that do not overlap with a preserved polygon
are likely to have annual impacts or do not contain vegetation.

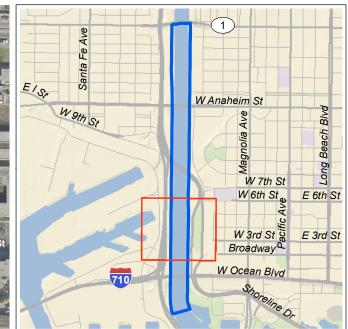




Sheet 3 of 5









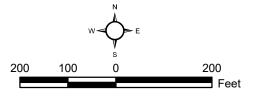
Reach Limits

- Prescriptive Rights
- LACFCD Easements

#### Definitions-

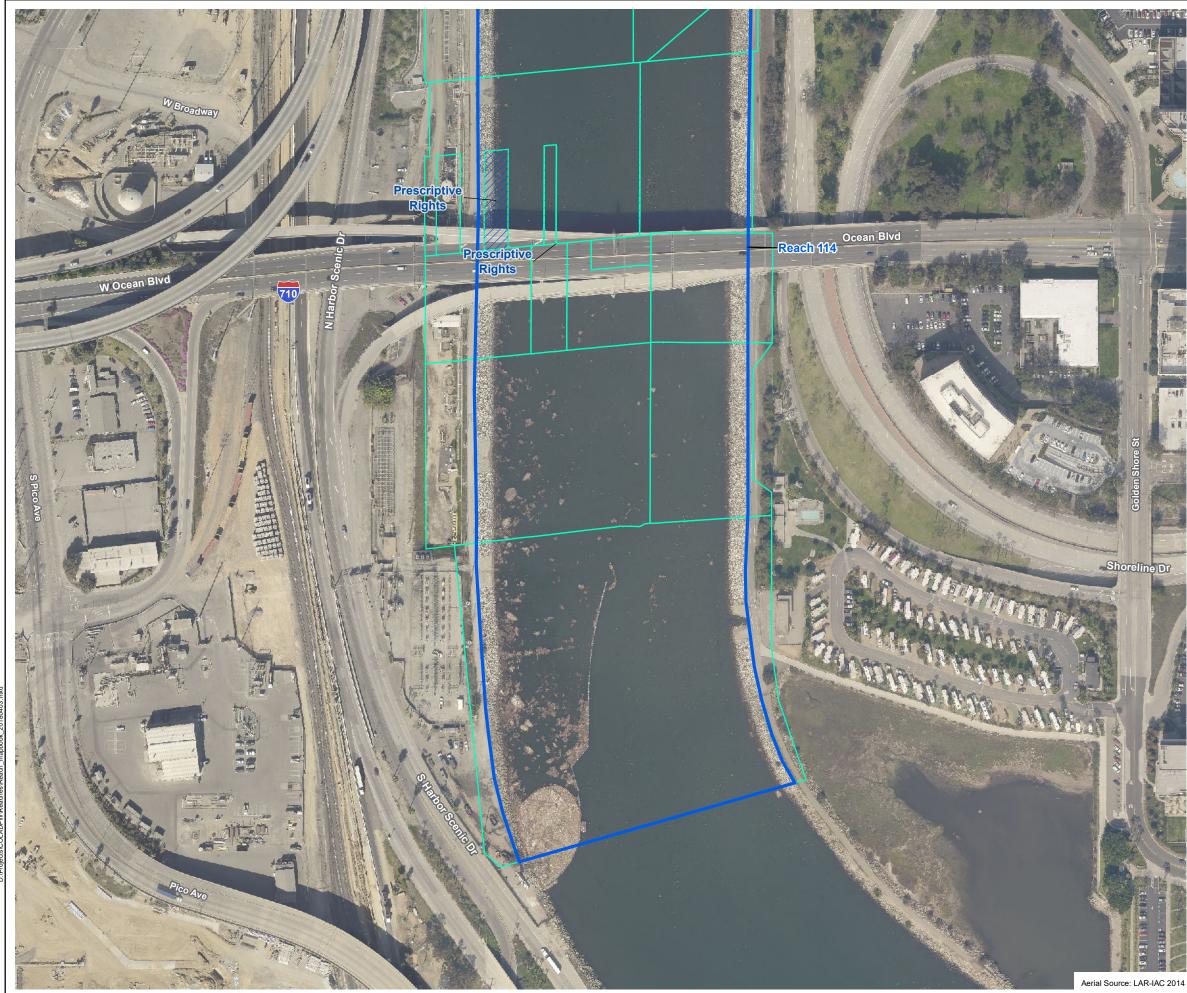
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

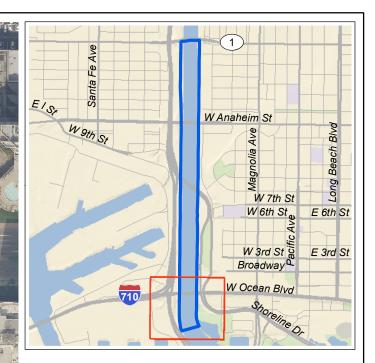
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# Reach 114

Sheet 4 of 5







Reach Limits

- Prescriptive Rights
- LACFCD Easements

#### Definitions-

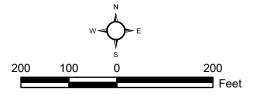
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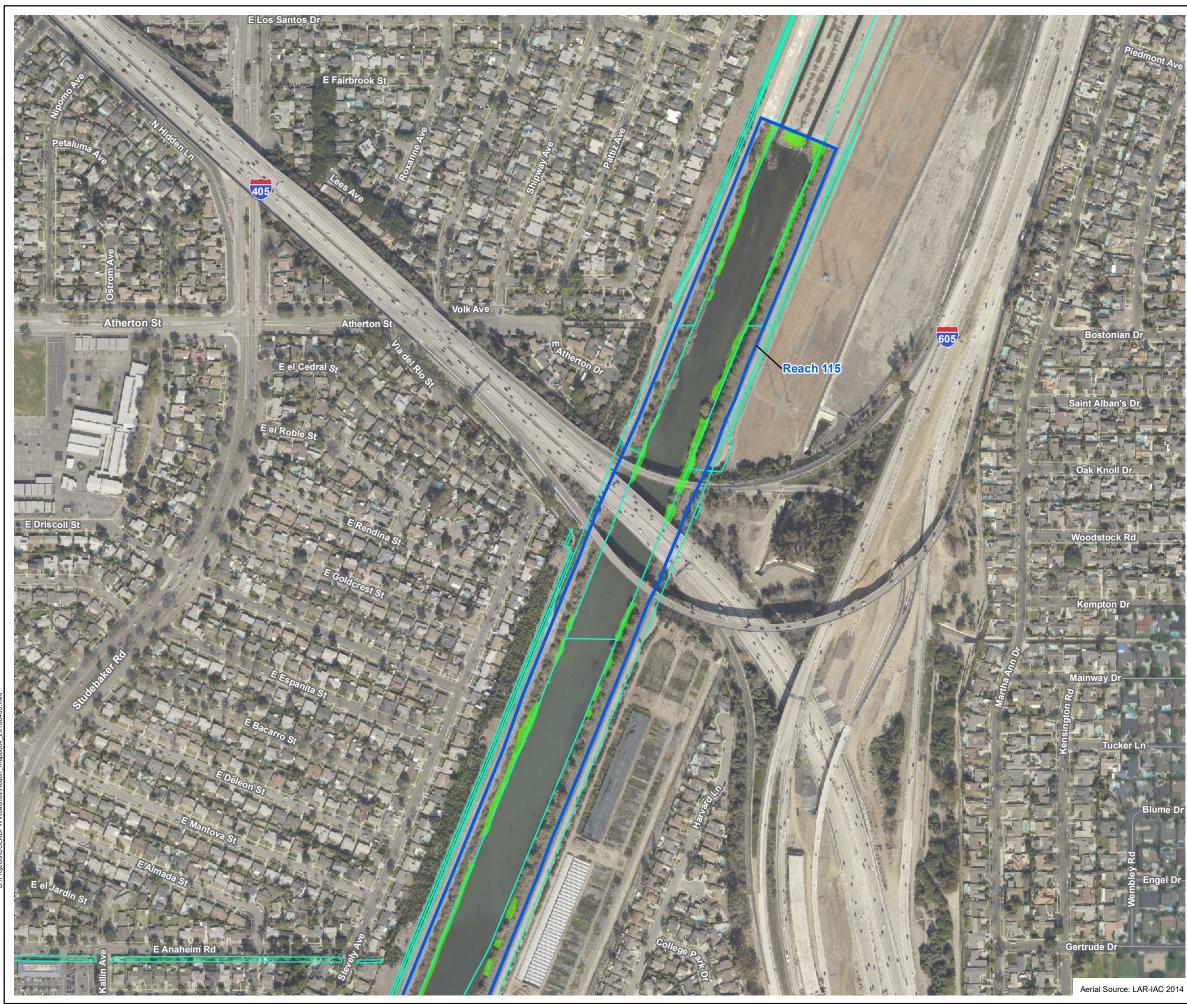
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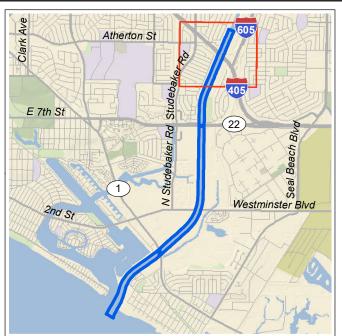


# Sheet 5 of 5

PSOMAS







Reach Limits

LACFCD Easements

# **Preserved Polygons**

Unmodified Preserved Polygon

#### Definitions-

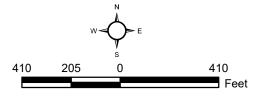
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

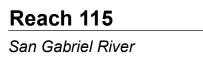
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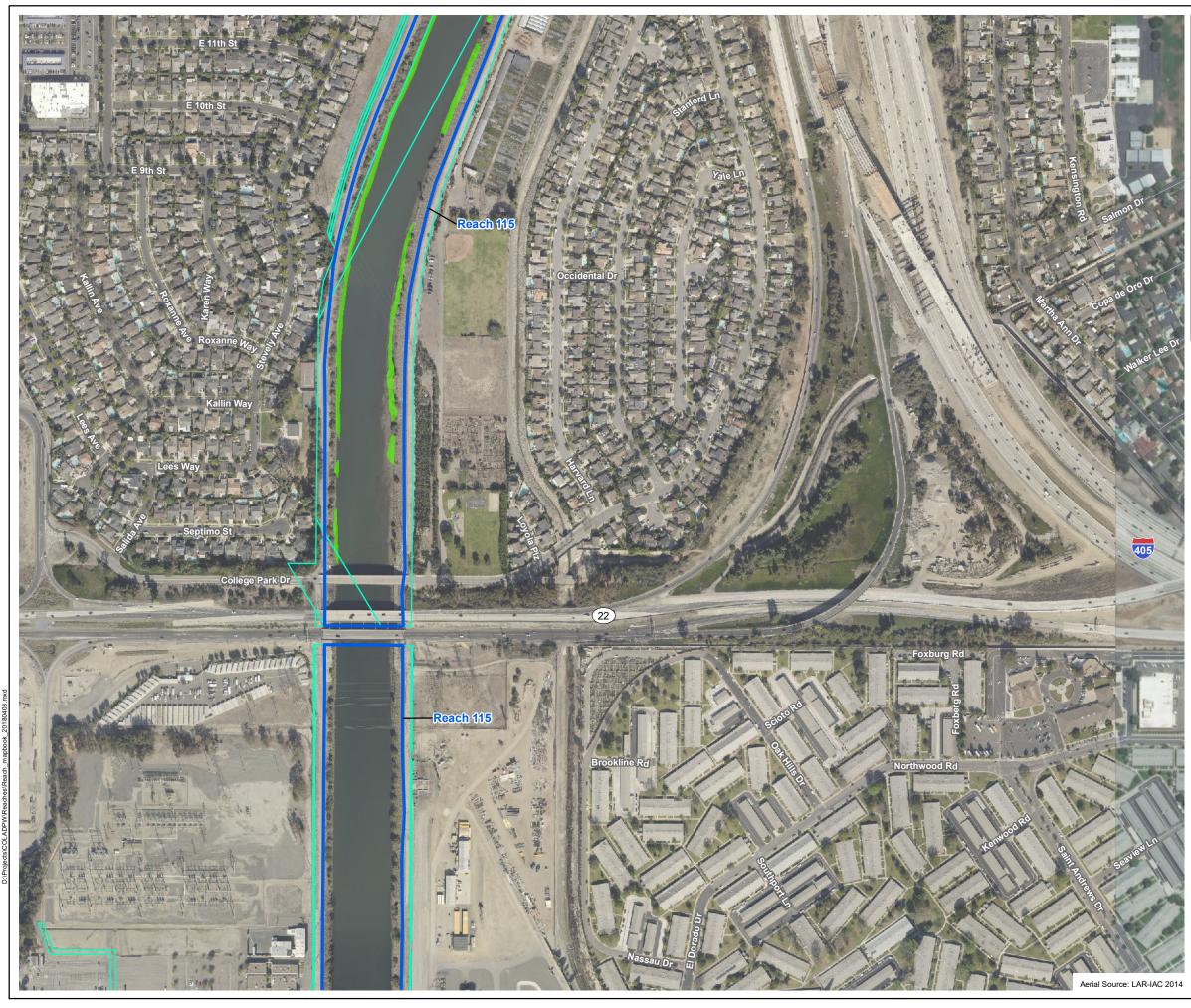
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Sheet 1 of 6





Reach Limits

LACFCD Easements

## Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

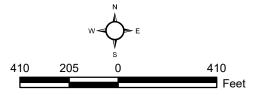
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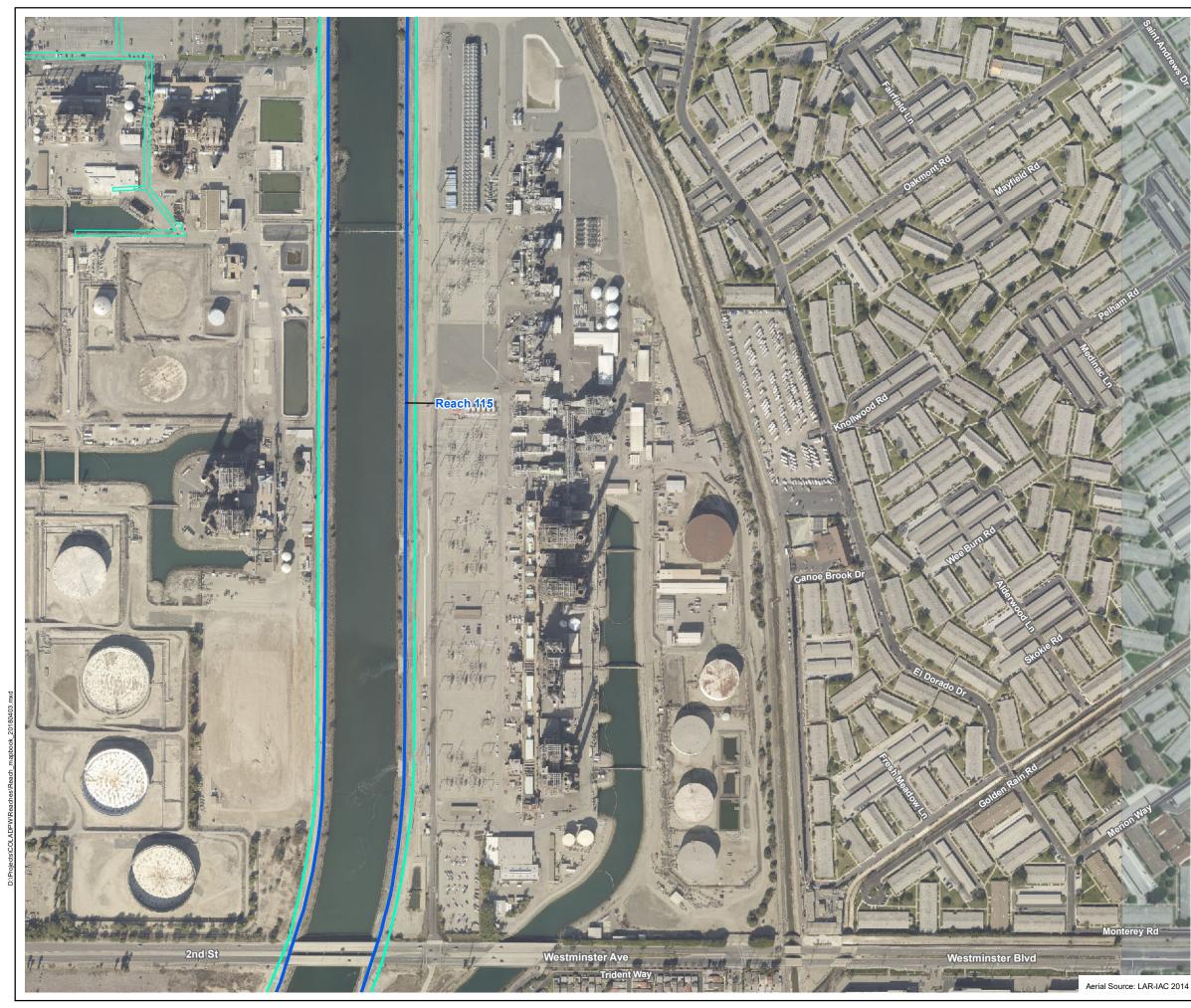
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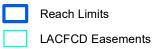


Sheet 2 of 6









#### Definitions-

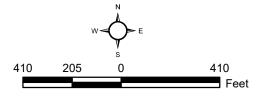
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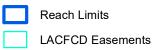


Sheet 3 of 6









#### Definitions-

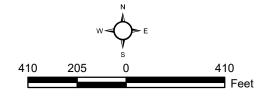
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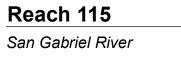
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Sheet 4 of 6









Reach Limits

- Prescriptive Rights
- LACFCD Easements

#### Definitions-

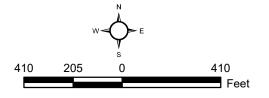
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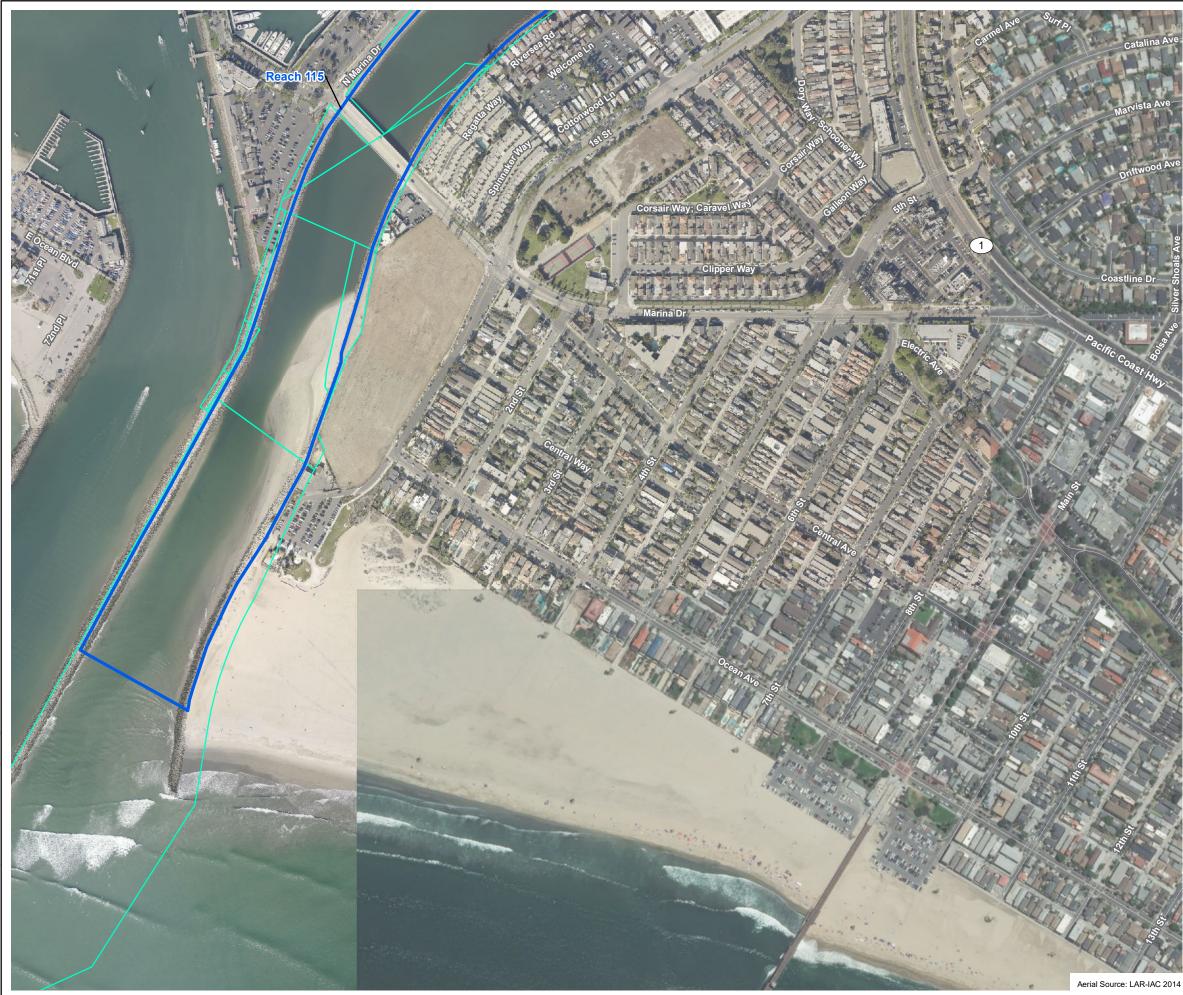
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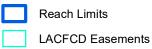


Sheet 5 of 6









#### Definitions-

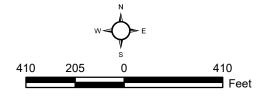
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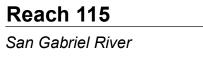
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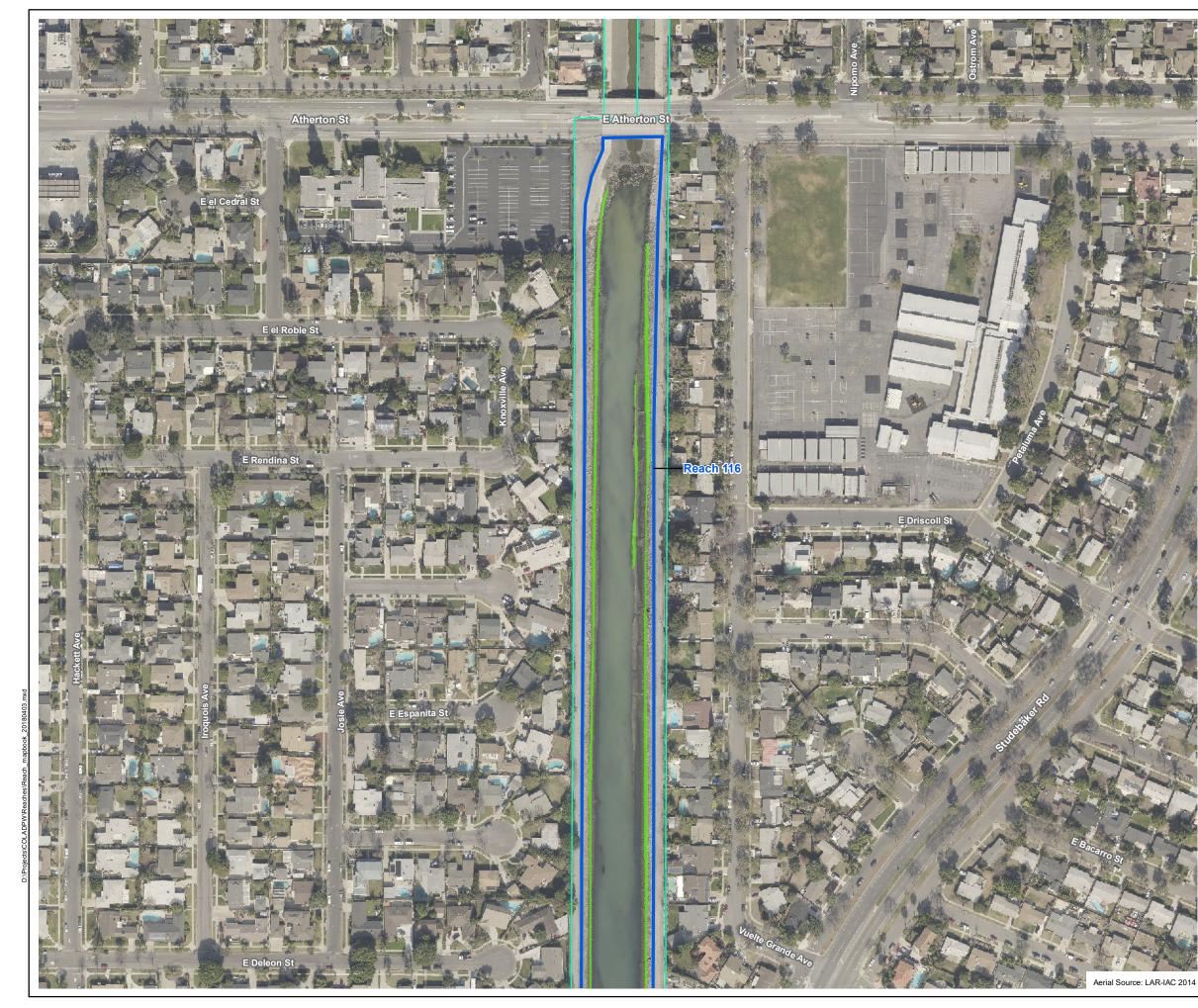
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Reach Limits

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

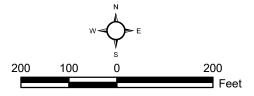
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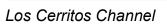
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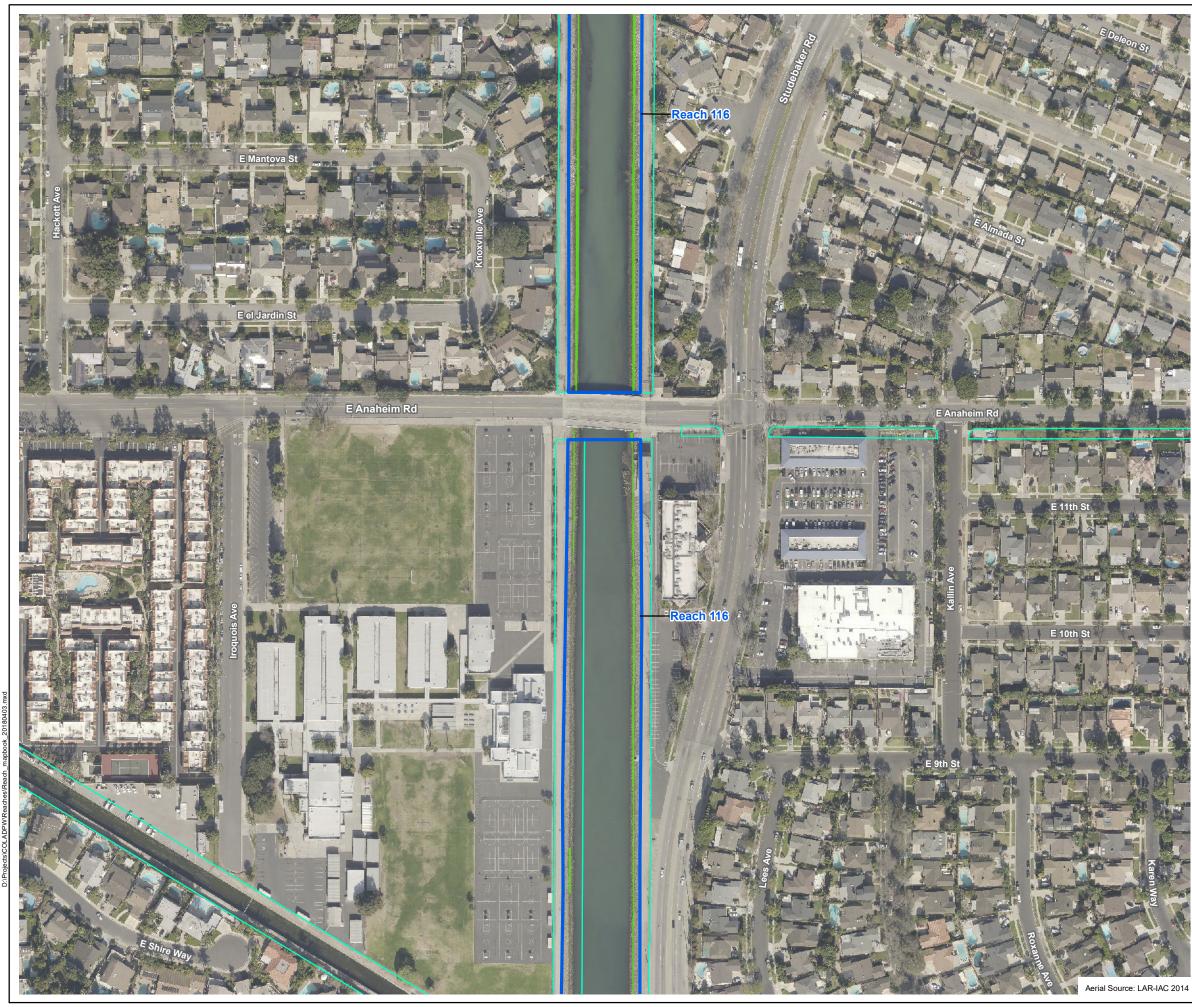
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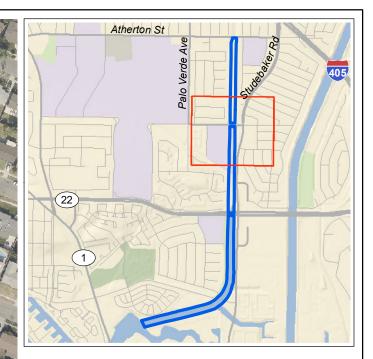


# Sheet 1 of 6

PSOMAS







Reach Limits

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

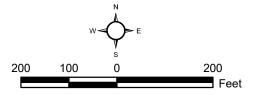
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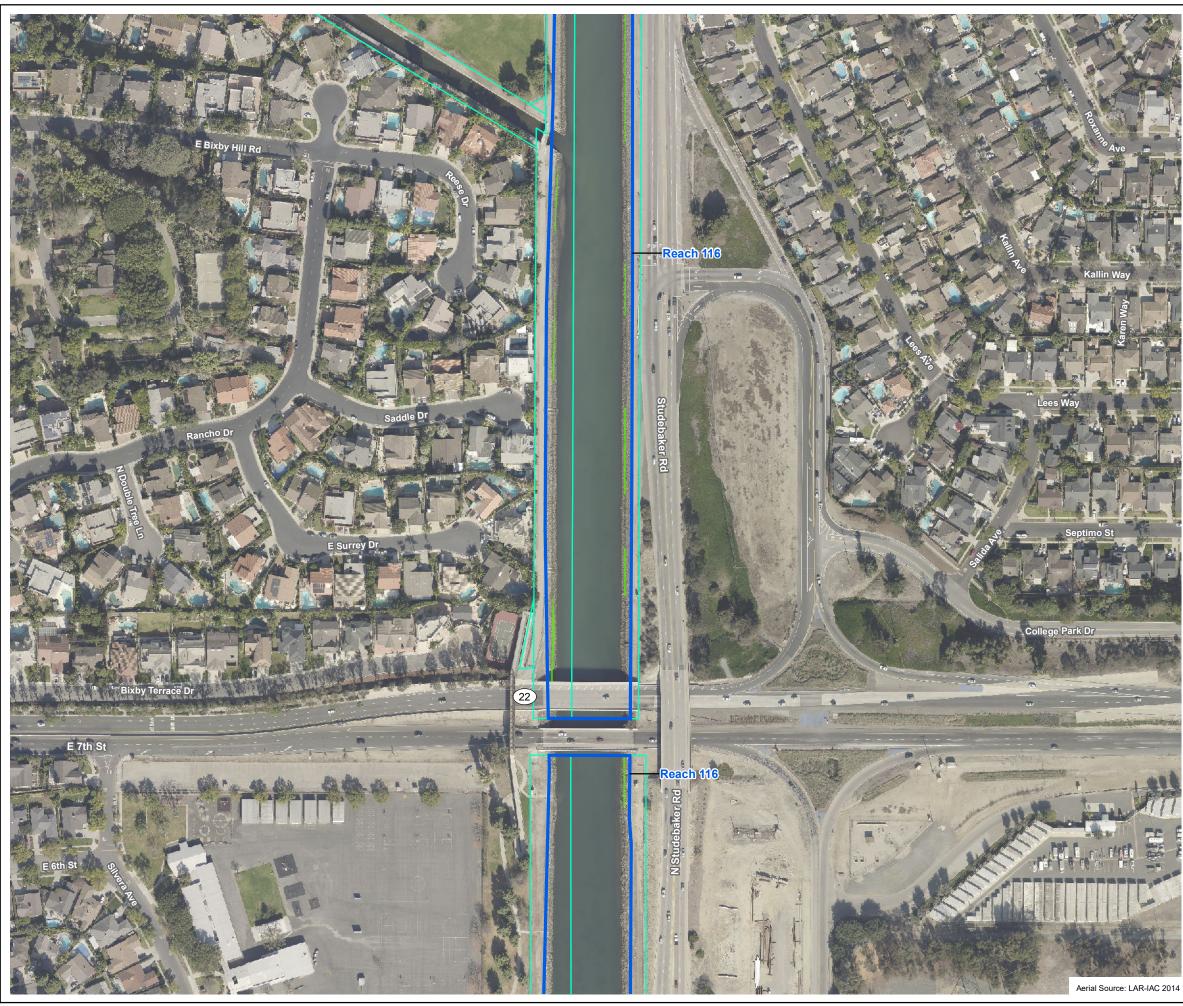
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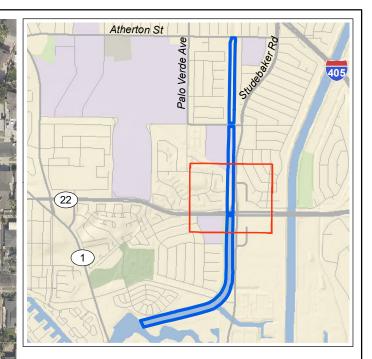


# Sheet 2 of 6

PSOMAS

Los Cerritos Channel





Reach Limits

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

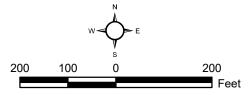
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# Reach 116

Los Cerritos Channel









Reach Limits

LACFCD Easements

### Preserved Polygons

Unmodified Preserved Polygon

#### Definitions-

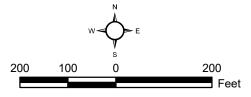
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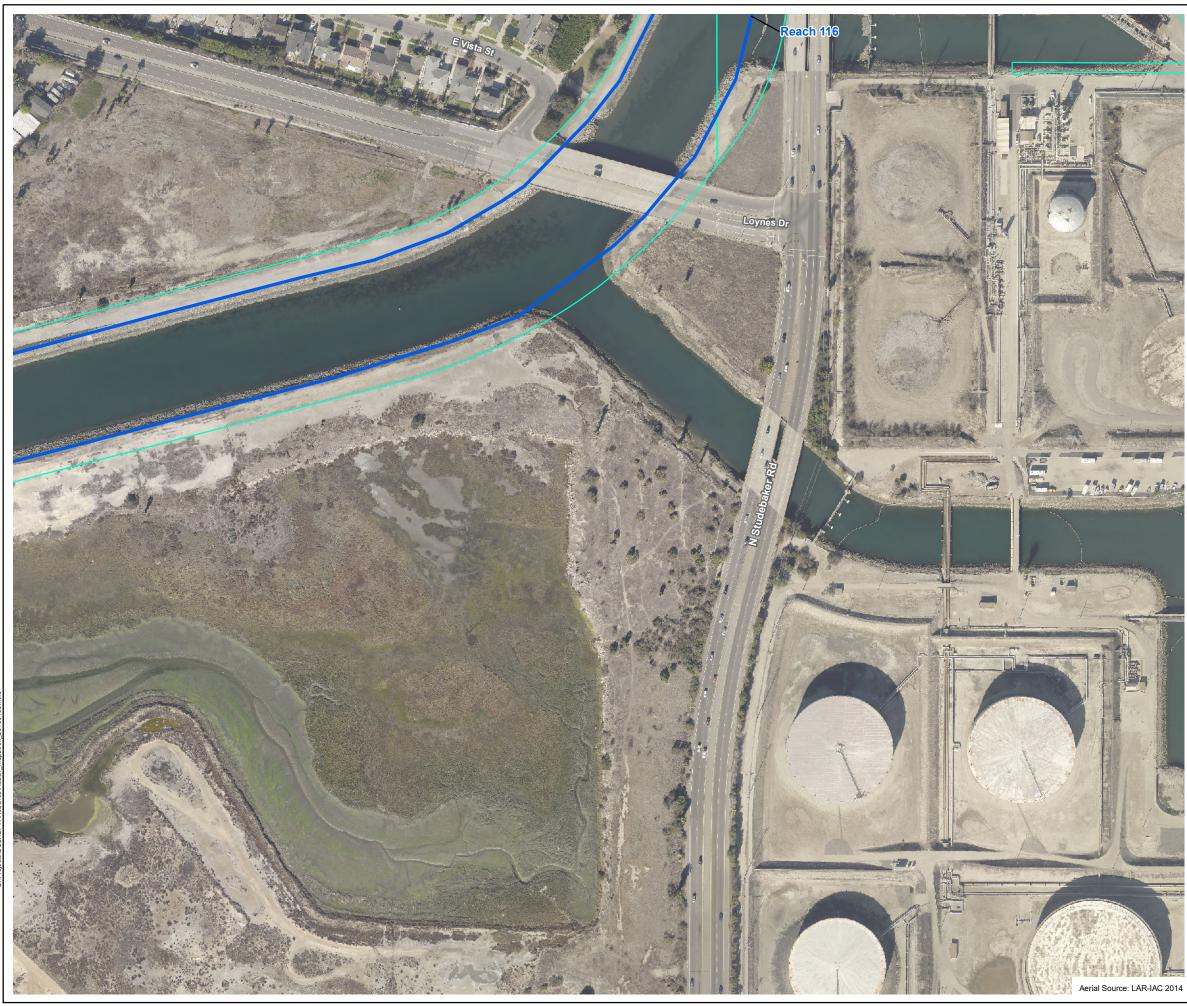
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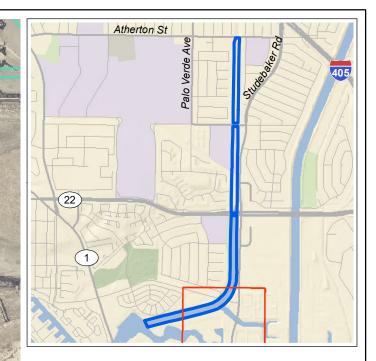


# Sheet 4 of 6

PSOMAS









Reach Limits LACFCD Easements

#### Definitions-

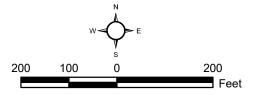
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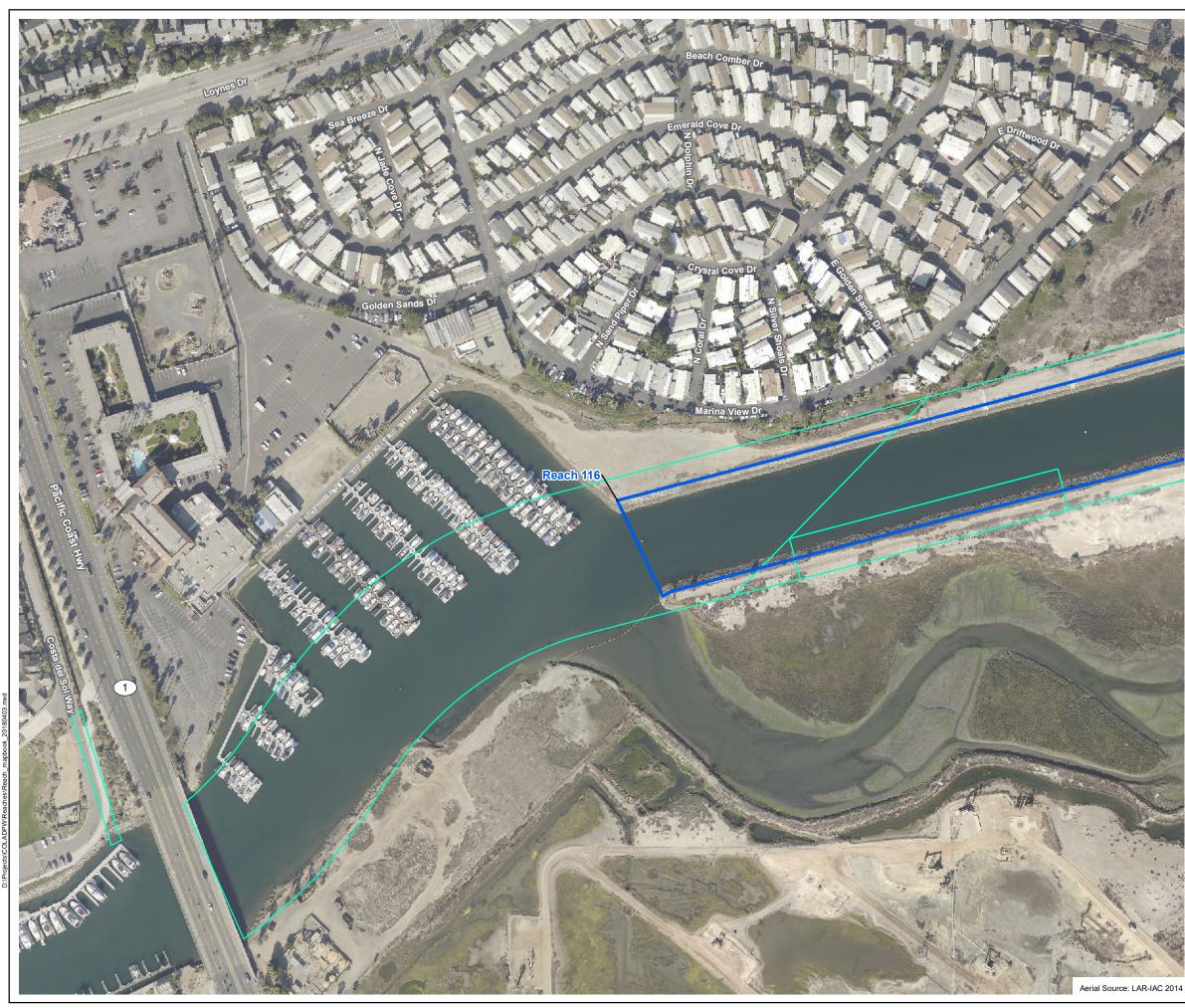
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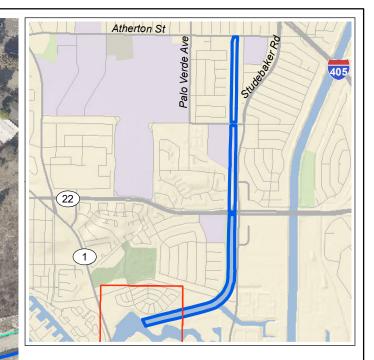




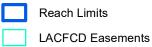
PSOMAS











#### Definitions-

Reach 116

Los Cerritos Channel

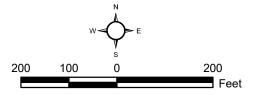
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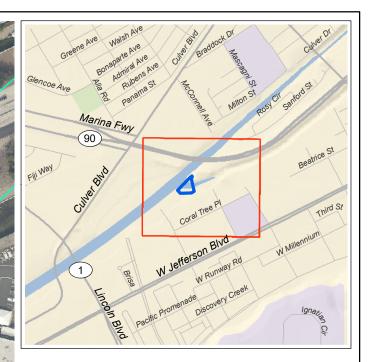
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# Sheet 6 of 6





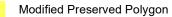




Reach Limits

- \_\_\_\_ Adjacent Reaches
  - LACFCD Easements

### Preserved Polygons



Unmodified Preserved Polygon

#### Definitions-

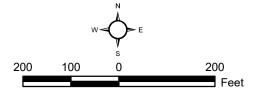
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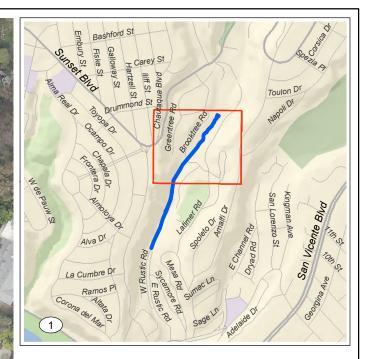
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#### Definitions-

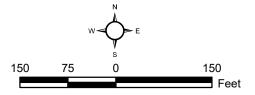
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# Sheet 1 of 2

PSOMAS

Rustic Canyon Channel







#### Definitions-

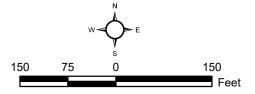
Reach limits: Include top-of-bank to top-of-bank and do not include access roads. (This generally coincides with CDFW jurisdiction.)

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# Sheet 2 of 2

PSOMAS

Rustic Canyon Channel







#### Definitions-

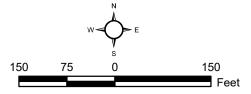
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PSOMAS

# Reach 119

Rivas Canyon Channel

# ATTACHMENT F

# **MITIGATION MONITORING FORMS**

# **County of Los Angeles Department of Public Works**

Flood Maintenance Division Earth Bottom Channel Program

# **Biological Resources Monitoring Form**

| Reach Number:  |                                       |
|--|---------------------------------------|
| Special Permit Conditions (list):  |                                       |
|  |                                       |
| Observation of Special Status Species:   |                                       |
| PreClearing Documentation  |                                       |
| Pre-Monitoring Conditions – (briefly describe: Vegetat<br>estimate. Attach photograph): List invasives present (An |                                       |
|  |                                       |
| Name of Biological Monitor:  | Date:                                 |
| Post-Clearing Documentation  |                                       |
| Type of vegetation remaining adjacent to removal area<br>arrows to indicate important features). Estimate amount   |                                       |
| Compliance with Permit Conditions: Full  | Partial                               |
| If partial compliance is apparent, describe circumstance   | 28:                                   |
|  |                                       |
| Problems or Recommendations (if more space is needed   | d continue on the back of this form): |
|  |                                       |
| Name of Biological Monitor:  | Date:                                 |

# LOS ANGELES COUNTY CHANNEL MAINTENANCE PROJECT MITIGATION MONITORING PROGRAM

**Compliance Verification Form** 

| Impact Issue: <u>Hydrology and Water Quality</u> |  |  |  |  |  |
|--|--|--|--|--|--|
| Mitigation Measure #: <u>2</u>                   | Tons Trash/Debris Removed<br>Square Feet of Exotic Veg. Removed: |  |  |  |  |
| Location/Channel Reach #: Reach No.              | <u>T.G.</u>  |  |  |  |  |
| 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 was deemed to be applicable and was implemented 1.

- 2.
- 3.

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

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

The mitigation measure is not in compliance. Further action is required. (Please explain below.)

# **Comments/Revisions:**

 Completed by:
 \_\_\_\_\_\_ Title:
 Date:

 Approved by:
 \_\_\_\_\_\_ Title:
 Date:

# Los Angeles County Channel Maintenance Project Mitigation Monitoring Program Reach Name

Reach Number \_\_\_\_\_

| Date | Air | H2O | Noise | Comment | Initial |
|------|-----|-----|-------|---------|---------|
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# ATTACHMENT G

# 2016 WATER QUALITY MONITORING GUIDE (INCLUDED IN SEPARATE FILE)

ATTACHMENT H

2016 WATER DIVERSION MANUAL AND BMP (INCLUDED IN SEPARATE FILE)