



California Regional Water Quality Control Board

Los Angeles Region



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Mr. Rudy Lee, Assistant Deputy Director
County of Los Angeles, Department of Public Works
900 S. Fremont Avenue, Annex Building 2nd Floor
Alhambra, CA 91803

WATER QUALITY CERTIFICATION FOR PROPOSED COUNTY DEBRIS BASIN MAINTENANCE PROJECT (159 BASINS) (Corps' FILE NO. 94-01558-CSC), LOS ANGELES COUNTY (File No. 02-144 - 2008 RENEWAL)

Dear Mr. Lee,

Regional Board staff has reviewed your request on behalf of Los Angeles County Department of Public Works (LADPW) for a Clean Water Act Section 401 Water Quality Certification for the above-referenced project. Your application was deemed complete on September 27, 2007.

I hereby issue an order certifying that any discharge from the referenced project will comply with the applicable provisions of sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards) of the Clean Water Act, and with other applicable requirements of State law. This discharge is also regulated under State Water Resources Control Board Order No. 2003 - 0017 - DWQ, "General Waste Discharge Requirements for Dredge and Fill Discharges That Have Received State Water Quality Certification" which requires compliance with all conditions of this Water Quality Certification. Attachments A and B, enclosed, include the project information and conditions.

The Applicant shall be liable civilly for any violations of this Certification in accordance with the California Water Code. This certification does not eliminate the Applicant's responsibility to comply with any other applicable laws, requirements and/or permits.

Should you have questions concerning this Certification action, please contact Valerie Carrillo, Lead, Section 401 Program, at (213) 576-6759.

[Original Signed By]

October 24, 2008

Tracy J. Egoscue
Executive Officer

Date

Encl: Attachment A, Attachment B

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

DISTRIBUTION LIST

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ATTACHMENT A

Project Information File No. 02-144

1. Applicant: Rudy Lee, Assistant Deputy Director
County of Los Angeles, Department of Public Works
900 S. Fremont Avenue, Annex 2nd Floor
Alhambra, CA 91803

Phone: (626) 458-4145 Fax: (626) 458-4150
2. Applicant's Agent: Jemellee Cruz
County of Los Angeles, Department of Public Works
900 S. Fremont Avenue, Annex 2nd Floor
Alhambra, CA 91803

Phone: (626) 458-4170 Fax: (626) 458-4150
3. Project Name: Maintenance of **159** Debris Basins
4. Project Location: Throughout Los Angeles County
5. Type of Project: Debris basin cleanouts and performing various annual maintenance activities within **159** debris basins.
6. Project Description: Purpose:
The purpose of the proposed project is for the County of Los Angeles, Department of Public Works (LADPW) to conduct routine maintenance of 159 debris basins within Los Angeles County. The complete listing of all debris basins included in this Certification is in this Attachment A.

The project primarily involves periodic excavation, land clearing, repair and maintenance of existing debris basin structures and appurtenances, fire hazard clearing, and vegetation removal to restore the basins to their original flood design capacity. Continued maintenance and excavation is needed at these facilities for the protection of the public and prevention of property damage and loss of life due to flooding.

Description:
Project activities will include the removal of mud, rock and debris from **159** debris basins. Debris accumulates in these basins during erosional storm events and decreases flood control capacity. Vegetation which has been buried by sediment and debris is also removed from within the basins. Sediment removal operations may occur several times per year or following a single storm event.

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The frequency of cleanouts will be dependent upon watershed conditions, including previous occurrence of brush fires and subsequent vegetative recovery, occurrence and magnitude of winter rains. Capital flood designations are made according to Public Works' standards using a 50-year rainfall event in mountainous saturated watersheds.

REGULAR SEDIMENT REMOVAL:

Sediment removal is authorized under the following three (3) conditions:

- When the quantity of sediment in a debris basin has reached 25% capacity or more for non-burned watersheds.
- When a debris basin has reached 5% or more of the basin's capacity and when more than 20% of the watershed upstream of the sediment entrapment basin has burned within the previous 5 years.
- Or, when cleanouts do not meet the above requirements, with prior approval from the Regional Board. Special circumstances may include compliance with vector control, State Department of Dam Safety (DSOD) requirements, and undersized debris basins.

The estimated area at the 25% capacity levels within each of the basins ranges from 0.05 acres to 8.94 acres.

OTHER ONGOING MAINTENANCE:

In addition to sediment removal and disposal, other ongoing annual maintenance activities to correct deficiencies and maintain facilities at their originally designed pre-storm conditions include:

- Annual mowing of vegetation within 25 percent capacity area of the basin;
- Clearing vegetation and debris from the outlet towers and discharge conduits;
- Maintenance of an entrainment channel (no more than 10 feet wide) and a 15-foot wide area immediately around outlet towers of basin (20-foot wide for basins with inspection manholes located above the outlet towers);

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- Repairing access roads, eroded basin slopes and embankments, spillways, down drains, trash barriers, graffiti removal, outlet towers, inlet chutes, fencing, facing slabs, buildings and their appurtenances. These activities are included under this Certification, only if any impacts are within the same footprint of the structure or facility. No new impacts will be allowed without prior approval from the Regional Board or permitted under a separate 401 Certification (if necessary);
- Removing ponded water, trash, and invasive vegetation/weeds for vector control purposes (in compliance with requirements for vector control);
- Annual fire hazard vegetation clearing to comply with California Fire Code requirements;
- Vector control spraying; and
- Clearing of dam face and embankments.

Structural integrity requirements:

LACDPW is required by DSOD to drain ponded water behind 16 debris basins (under the Department of Water Resource's jurisdiction) and to clear vegetation from the face of dams to maintain structural integrity. The entrainment channel and the areas immediately surrounding the outlet towers must be routinely maintained in order to keep the outlet towers from clogging.

Vector control:

Any basins with ponded or stagnant water in the basin will be treated by Vector Control for mosquito abatement purposes. In addition, the requirements for maintenance of the entrainment channels on non-DSOD jurisdictional debris basins will be in effect.

Fire hazard maintenance:

Annual fire hazard vegetation clearing (200 feet from a structure) is necessary to comply with the California Fire Code requirements. These fire brush clearing activities include, but are not limited to, the removal of non-native or invasive vegetation, mowing of brush, removing dead plants, trees, or tree trunks, and trimming of trees and other vegetation on debris basin slopes or other areas of a facility that may have the potential for fire hazard during the dry summer months. These fire brush clearing activities will be conducted during the spring and/or summer season. To minimize impact on nesting/breeding birds, qualified biologists will conduct nesting bird surveys prior to any clearing activities.

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ADDITIONAL ONE-TIME MAINTENANCE ACTIVITIES:

Public Works will perform the following one-time repairs and restoration of existing structures back to previously existing conditions, under this Certification. Repair and restoration of structures includes eroded or damaged slopes and embankments, access ramps, down drains, spillway crests, inlet and outlet pipes, riprap and other structures.

Schoolhouse And Wilson Debris Basins

A one-time installation of Sloping Towers at Schoolhouse and Wilson Debris Basins will be performed as secondary dewatering features to comply with DSOD requirement. These sloping towers, consisting of corrugated steel pipes (CSP), will be drilled and connected to the south end of the existing outlet tower and will be placed on top of the existing downstream concrete spillway embankment slope. This sloping tower installation will act as a secondary dewatering mechanism to alleviate any clogging situations if the outlet tower itself should become obstructed. The outlet towers on these basins are not seismically designed up to DSOD regulations and therefore the sloping towers are needed until the outlet towers can be completely replaced. Minor regrading of accumulated sediment around the existing tower may be required to ensure that these towers (and equipment access) meet the bottom grade of the existing outlet tower. If water is present, a Surface Water Diversion Plan will be implemented. Work will commence after completion of the scheduled mowing activities to minimize any impacts on vegetation and to avoid impacts to nesting/breeding birds.

Wilson Debris Basin

Through the CEQA process with California Department of Fish and Game (CDFG), Public Works has been required to provide a vegetation management plan for the Wilson Debris Basin, which will allow for vegetation clearing occurring in phases, rather than in its entirety. CDFG is requiring Public Works to demonstrate that with each phase of vegetation clearance, there will still be sufficient habitat and resources for wildlife species. The plan will provide two phases of vegetation management clearing. Once this plan has been finalized and approved by CDFG, Public Works shall submit a copy to the Regional Board.

Spinks Debris Basin

The maintenance area for the Spinks Debris basin will be modified to

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include the upstream portion of the basin that was inadvertently left out of the original maintenance permit. The entire basin consists of north and south basins, which are separated by the access road. The new maintenance area will cover a total of 2.31 acres in lieu of the original 1.23 acres. Maintenance of the upstream area also consists of maintenance and restoration of the existing 100-foot long by 8-foot wide by 4-foot high earthen berm that is armored with derrick stone materials. This berm is used to divert storm flows entering the north end of the basin from the side canyon to drain into the existing culverts underneath the access road.

Santa Anita Debris Basin

Through the CEQA process with California Department of Fish and Game (CDFG), Public Works has been required to provide a vegetation/sediment management plan for the Santa Anita Debris Basin, which will allow for annual maintenance activities to satisfy DSOD requirements, and although Santa Anita Debris Basin is at 25 percent sediment capacity which qualifies for complete sediment cleanout, CDFG requires vegetation and sediment clearing in phases, rather than sediment cleanout in its entirety. CDFG is requiring Public Works to demonstrate that with each phase of vegetation & sediment clearance, there will still be sufficient habitat and resources for wildlife species.

For DSOD purposes, annual maintenance includes cutting a 10-foot wide entrainment channel from the back of the basin to the outlet tower for drainage, clearing vegetation and sediment 15-foot wide radius from around the outlet tower, and clearing along a 20-foot wide path from the toe of the spillway embankment for dam safety inspection.

Once the phased vegetation/sediment plan has been finalized and approved by CDFG, Public Works shall submit a copy to the Regional Board.

Englewild Debris Basin

This basin is significantly undersized and will require sediment clearing whenever the basin reaches 5 percent basin capacity, regardless of the upstream watershed conditions.

7. Federal
Agency/Permit:

U.S. Army Corps of Engineers
Regional General Permit No. 45

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8. Other Required Regulatory Approvals: California Department of Fish and Game
CDFG SBAA 1600-2004-0080-R5 (mowing permits)
Pending Long-Term Agreement
9. California Environmental Quality Act (CEQA) Compliance: The proposed project is Categorically Exempt from CEQA pursuant to the CEQA Guidelines, Section 15301 (Existing Facilities)
10. Receiving Water/ Designated Beneficial Uses:
- Aliso Debris Basin, an ephemeral drainage tributary to Aliso Canyon Creek (Hydrologic Unit No. 405.13) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.5255; Latitude: 34.2758
- Arbor Dell Debris Basin, a drainage tributary Los Angeles River (Hydrologic Unit No. 405.25) MUN, REC-1, and WARM; Longitude: 118.1917; Latitude: 34.1472
- Auburn Debris Basin, an ephemeral drainage tributary to Arcadia Wash (Hydrologic Unit No. 405.33) MUN, GWR, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.0555; Latitude: 34.1738
- Bailey Debris Basin, a drainage tributary to Arcadia Wash (Hydrologic Unit No. 405.33) MUN, GWR, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.06083 Latitude: 34.1719
- Beatty Debris Basin, a drainage tributary to Beatty channel and to San Gabriel River (Hydrologic Unit No. 405.42) MUN, IND, PROC, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD and RARE; Longitude: 117.8992; Latitude: 34.1478
- Bell Creek Debris Basin, a drainage tributary to Bell Creek (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.6556; Latitude: 34.2
- Big Dalton Debris Basin, a drainage tributary to Big Dalton Wash and to San Gabriel River (Hydrologic Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.8333; Latitude: 34.1553
- Bigbriar Debris Basin, an ephemeral drainage tributary to Flint Canyon Channel and to Arroyo Seco (Hydrologic Unit No. 405.32) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, COLD, WILD and WET;

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Longitude: 118.1992; Latitude: 34.2239

Blanchard Debris Basin, hard Canyon Channel then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2700; Latitude: 34.2528

Blue Gum Debris Basin, an ephemeral drainage tributary to Haines Canyon Channel then to Tujunga Wash (Hydrological Unit No. 405.23) MUN, GWR, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.2750; Latitude: 34.2555

Brace Debris Basin, an ephemeral drainage tributary to McClure Channel then to Burbank Western Channel (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.3219; Latitude: 34.2144

Bracemar Debris Basin, an ephemeral drainage tributary to McClure Channel then to Burbank Western Channel (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.3238; Latitude: 34.2138

Bradbury Debris Basin, an ephemeral drainage tributary to Bradbury Channel then to San Gabriel River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.9672; Latitude: 34.1558

Bramhall Debris Basin, a drainage tributary to Vernon Channel (Hydrological Unit 405.41)MUN, GWR, REC1, REC2, WARM, WILD,BIOL, RARE, WET Longitude: 117.875; Latitude: 33.9666

Brand Debris Basin, an ephemeral drainage tributary to Brand Canyon Channel then to Burbank Western Channel (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.2725; Latitude: 34.1841

Buena Vista Debris Basin, an ephemeral drainage tributary to Buena Vista Channel then to San Gabriel River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.9777; Latitude: 34.1625

Calle Robleda (PD 1505) Debris Basin, a drainage tributary to Liberty Canyon (Hydrological Unit No. 404.23/404.22) MUN, REC1, REC2, WARM, COLD, WILD, RARE, MIGR, SPWN Longitude: 118.7388;

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Latitude: 34.1375

Carriage House Debris Basin, an ephemeral drainage tributary to Easton Wash then to Rio Hondo (Hydrological Unit No. 405.31) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.1917; Latitude: 34.1472

Carter Debris Basin, an ephemeral drainage tributary to Arcadia Wash then to Rio Hondo (Hydrological Unit No. 405.33) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.0494; Latitude: 34.1738

Cassara House Debris Basin, an ephemeral drainage tributary to Hansen Basin then to Tujunga Wash (Hydrological Unit No. 405.23) MUN, GWR, REC-1, REC-2, WARM, COLD, WILD, RARE; Longitude: 118.3563; Latitude: 34.2788

Chamberlain Debris Basin, an ephemeral drainage tributary to Arroyo Seco then to Los Angeles River (Hydrological Unit No. 405.15) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.1808; Latitude: 34.1686

Chandler Debris Basin, an ephemeral drainage tributary to Chandler Canyon Channel then to Burbank Western Channel (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.3447; Latitude: 34.2233

Childs Debris Basin, an ephemeral drainage tributary to Childs Canyon Channel Burbank Western Channel (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.2786; Latitude: 34.1889

Cloud Creek Debris Basin, an ephemeral drainage tributary to Eagle Canyon Channel then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.1917; Latitude: 34.1472

Cloudcroft Debris Basin, an ephemeral drainage tributary to Parker Mesa Drain then to Santa Monica Bay (Hydrological Unit No. 405.13) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.5700; Latitude: 34.0491

Contento DB (MTD 1221) Debris Basin, a drainage tributary to

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Sycamore Canyon Channel (Hydrological Unit No. 405.21) MUN, IND, GWR, REC1, REC2, WARM, WILD, WET Longitude: 118.2208; Latitude: 34.1708

Cooks Debris Basin, an ephemeral drainage tributary to Cooks Canyon Channel then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2616; Latitude: 34.2469

Cooks M-1A Debris Basin, an ephemeral drainage tributary to Cooks Canyon Channel then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2605; Latitude: 34.24889

Crescent Glen Debris Basin, a drainage tributary to Oak Park Drain System (Hydrological Unit No. 405.41) MUN, GWR, REC1, REC2, WARM, WILD, Longitude: 117.8208; Latitude: 34.1417

Crestview Debris Basin, an ephemeral drainage tributary to Santa Fe Basin then to San Gabriel River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, WILD, and WET; Longitude: 117.9480; Latitude: 34.1533

Deer Debris Basin, a drainage tributary to Verdugo Wash (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2408; Latitude: 34.1930

Denivelle Debris Basin, an ephemeral drainage tributary to Tujunga Wash then to Los Angeles River (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, COLD WILD, and RARE; Longitude: 118.2997; Latitude: 34.2722

Devonwood Debris Basin, an ephemeral drainage tributary to Altadena Channel then to Arroyo Seco (Hydrological Unit No. 405.15) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.1307; Latitude: 34.2069

Dry Canyon – South Fork Debris Basin, an ephemeral drainage tributary to Dry Canyon Channel then to Arroyo Calabasas (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.6236; Latitude: 34.1361

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Dunsmuir Debris Basin, a drainage tributary to Dunsmuir Canyon Channel then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2519; Latitude: 34.2475

Eagle Debris Basin, a drainage tributary to Eagle Canyon Channel then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2358; Latitude: 34.2352

Elmwood Debris Basin, an ephemeral drainage tributary to Elmwood Canyon Channel then to Burbank Western Channel (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.2852; Latitude: 34.1908

Emerald-East Debris Basin, an ephemeral drainage tributary to Emerald Wash then to Live Oak Wash (Hydrological Unit No. 405.53) MUN, GWR, FRSH, REC-1, REC-2, WARM, and WILD; Longitude: 117.7647; Latitude: 34.12722

Englewild Debris Basin, a drainage tributary to Little Dalton Wash then to Big Dalton Wash (Hydrological Unit No. 405.41) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 117.7647; Latitude: 34.1588

Fair-Oaks Debris Basin, an ephemeral drainage tributary to Devil's Gate Reservoir then to Arroyo Seco (Hydrological Unit No. 405.32) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.1397; Latitude: 34.2033

Fern Debris Basin, an ephemeral drainage tributary to Devil's Gate Reservoir then to Arroyo Seco (Hydrological Unit No. 405.32) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.1475; Latitude: 34.2036

Fieldbrook Debris Basin, an ephemeral drainage tributary to San Jose Creek then to San Gabriel River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.8941; Latitude: 33.9641

Fullerton (PD 2202-U2) Debris Basin, a drainage tributary to San Jose Creek (Hydrological Unit 405.41) MUN, GWR, REC-1, REC-2, WARM and WILD; Longitude: 117.8917; Latitude: 33.9667

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Golf Club Drive Debris Basin, a drainage tributary to Sycamore Canyon Channel then to Vedugo Wash (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2030; Latitude: 34.1694

Gooseberry Debris Basin, a drainage tributary to Gooseberry Creek (Hydrological Unit No. 405.31/405.32) MUN, GWR, REC1, REC2, WARM, WILD, Longitude: 118.1208; Latitude: 34.4083

Gordon Debris Basin, an ephemeral drainage tributary to East Branch Big Dalton Wash then to Walnut Creek Wash (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.8283; Latitude: 34.1413

Goss Inlet (PD 655B) Debris Basin, a drainage tributary to Goss Canyon (Hydrological Unit No. 405.32) MUN, IND, PROC, GWR, REC1, REC2, WARM, COLD, WILD, WET
Longitude: 118.2208; Latitude: 34.2375

Gould Debris Basin, an ephemeral drainage tributary to Flint Canyon Channel then to Arroyo Seco (Hydrologic Unit No. 405.32) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, COLD, WILD and WET; Longitude: 118.1925; Latitude: 34.2150

Gould Upper Debris Basin, an ephemeral drainage tributary to Flint Canyon Channel then to Arroyo Seco (Hydrologic Unit No. 405.32) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, COLD, WILD and WET; Longitude: 118.1925; Latitude: 34.2233

Halls Debris Basin, an ephemeral drainage tributary to Halls Canyon Channel then to Verdugo Wash (Hydrologic Unit No. 405.24) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2208; Latitude: 34.2222

Greensbrier Debris Basin - a drainage tributary to Pico Canyon Channel (Hydrological Unit No. 403.51/405.21) MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RARE Longitude: 118.5934; Latitude: 34.37

Harbor Blvd (PD2202-U2) Debris Basin, a drainage tributary to San Jose Creek (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM and WILD; Longitude: 117.9; Latitude: 33.9667

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Harrow Debris Basin, an ephemeral drainage tributary to Big Dalton Wash then to Walnut Creek Wash (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.8611; Latitude: 34.1563

Harter Lane (PD22) Debris Basin, a drainage tributary to Harter Canyon (Hydrological Unit No. 405.32) MUN, IND, PROC, GWR, REC1, REC2, WARM, COLD, WILD, WET Longitude: 118.1958; Latitude: 34.225

Haven Way Debris Basin, an ephemeral drainage tributary to McClure Channel then to Burbank Western Channel (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.3191; Latitude: 34.2105

Hazelnut (PD 2488) Debris Basin, a drainage tributary to La Sierra Canyon (Hydrological Unit No. 404.24) MUN, GWR, REC1, REC2, WARM, WILD, WET Longitude: 118.7881; Latitude: 34.1069

Hay Debris Basin, an ephemeral drainage tributary to Flint Canyon Channel then to Arroyo Seco (Hydrologic Unit No. 405.32) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, COLD, WILD and WET; Longitude: 118.2044; Latitude: 34.2238

Hillcrest Debris Basin, an ephemeral drainage tributary to Hillcrest Canyon Channel then to then to Burbank Western Channel (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.2650; Latitude: 34.1786

Hillman Debris Basin, a drainage tributary to San Jose Creek (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM and WILD; Longitude: 117.8833; Latitude: 33.975

Hog Debris Basin, an ephemeral drainage tributary to Pacoima Diversion then to then to Tujunga Wash (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, COLD, and WILD; Longitude: 118.1638; Latitude: 34.3305

Hook East Debris Basin, an drainage tributary to Big Dalton Wash then to Walnut Creek Wash (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.8763; Latitude: 34.1533

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Hook West Debris Basin, an ephemeral drainage tributary to Big Dalton Wash then to Walnut Creek Wash (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.8788; Latitude: 34.1536

Inverness Debris Basin, an ephemeral drainage tributary to Arroyo Seco then to Los Angeles River (Hydrological Unit No. 405.32) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, COLD WILD, and WET; Longitude: 118.1808; Latitude: 34.1777

Irving Drive Debris Basin, an ephemeral drainage tributary to Burbank Western Channel then to Los Angeles River (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.3208; Latitude: 34.2072

Kinneloa-East Debris Basin, an ephemeral drainage tributary to Easton Wash then to Rio Hondo River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.0827; Latitude: 34.1830

Kinneloa-West Debris Basin, an ephemeral drainage tributary to Easton Wash then to Rio Hondo River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.3269; Latitude: 34.1844

La Tuna Debris Basin, an ephemeral drainage tributary to La Tuna Canyon Creek than to Burbank western Channel (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.3269; Latitude: 34.2366

Lannan Debris Basin, an ephemeral drainage tributary to Santa Anita Wash then to Rio Hondo River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, WILD, and RARE; Longitude: 118.0322; Latitude: 34.1725

Las Flores Debris Basin, an ephemeral drainage tributary to Eaton Wash then to Rio Hondo River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.1255; Latitude: 34.2013

Las Lomas Debris Basin, an ephemeral drainage tributary Bradbury Channel then to Santa Fe Basin then to San Gabriel River

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(Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.9444; Latitude: 34.1538

Limekiln Debris Basin, a drainage tributary to Limekiln Canyon Wash to Aliso Canyon Creek (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.5569; Latitude: 34.2605

Lincoln Debris Basin, an ephemeral drainage tributary to Devil's Gate Reservoir to Arroyo Seco (Hydrological Unit No. 405.32) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.1561; Latitude: 34.2027

Linda Vista Debris Basin, a drainage tributary to Sycamore Canyon Creek then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.1983; Latitude: 34.1705

Little Dalton Debris Basin, a drainage tributary to Big Dalton Wash then to Walnut Creek Wash (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.8372; Latitude: 34.1569

Lopez Inlet Debris Basin, a drainage tributary to Lopez Canyon (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM and WILD; Longitude: 118.4042; Latitude: 34.2917

Maddock Debris Basin, an ephemeral drainage tributary to Maddock Canyon Creek Channel then to San Gabriel River (Hydrological Unit No. 405.43) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.9508; Latitude: 34.1544

May No. 1 Debris Basin, an ephemeral drainage tributary to Pacoima Wash to Tujunga Wash (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, WILD, and RARE; Longitude: 118.4283; Latitude: 34.3311

May No. 2 Debris Basin, an ephemeral drainage tributary to Pacoima Wash to Tujunga Wash (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, WILD, and RARE; Longitude: 118.4272; Latitude: 34.3300

Monument Debris Basin, an ephemeral drainage tributary to San Jose

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Creek to San Gabriel River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.8020; Latitude: 34.0013

Morgan Debris Basin, an ephemeral drainage tributary to Big Dalton Wash to Walnut Creek Wash (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.8194; Latitude: 34.1411

Mountbatten Debris Basin, an ephemeral drainage tributary to Verdugo Wash to Los Angeles River (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2402; Latitude: 34.1775

MTD 510 Montana Debris Basin, a drainage tributary to Burbank Eastern System (Hydrological Unit No. 405.21/405.24) MUN, IND, GWR, REC1, REC2, WARM, WILD Longitude: 118.2903; Latitude: 34.1200

MTD 1317 Skyridge Debris Basin, a drainage tributary to Cooks Canyon (Hydrological Unit No. 405.21) MUN, IND, GWR, REC1, REC2, WARM, WILD, WET Longitude: 118.2611; Latitude: 34.2639

Mull Debris Basin, an ephemeral drainage tributary to Big Dalton Wash to Walnut Creek Wash (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.8266; Latitude: 34.1408

Mullally Debris Basin, a drainage tributary to Verdugo Wash to Los Angeles River (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2205; Latitude: 34.2411

Nichols Debris Basin, a drainage tributary to Ballona Creek (Hydrological Unit No. 405.24) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.3586; Latitude: 34.1775

Oak Debris Basin, a drainage tributary to Eagle Canyon Channel then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2458; Latitude: 34.2444

Oakglade Debris Basin, a drainage tributary to Sawpit Wash then to Rio Hondo (Hydrological Unit No. 405.41) MUN, GWR, REC-1,

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REC-2, WARM, and WILD; Longitude: 117.9941; Latitude: 34.1736

Oakmont View Drive Debris Basin, an ephemeral drainage tributary to Verdugo Wash to Los Angeles River (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2397; Latitude: 34.2038

Oliver Debris Basin, an ephemeral drainage tributary to Tujunga Wash to Los Angeles River (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, COLD and WILD; Longitude: 118.3477; Latitude: 34.2761

Oak Park Debris Basin, a drainage tributary to Oak Park Drain System (Hydrologic Unit No. 405.41) MUN, GWR, REC1, REC2, WARM, WILD k DB Longitude:117.4915; Latitude:34.0830

PD 1358 La Salle Debris Basin, a drainage tributary to Santa Clara River (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD, RARE and WET; Longitude: 118.55; Latitude: 34.3611

PD 1386 Copper Hill Line "B" Debris Basin, a drainage tributary to Bouquet Canyon (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, COLD, WILD, SPWN and WET; Longitude: 118.4972; Latitude: 34.4611

PD 1683 Hipshot #1 Debris Basin, a drainage tributary to Castaic Creek (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.625; Latitude: 34.4861

PD 1920 Royal Terminus Debris Basin, a drainage tributary to Violin Canyon (Hydrologic Unit No. 403.51) - MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RARE Longitude:118.3745;Latitude:34.2930

PD 1974 Green Hill #1 Debris Basin, a drainage tributary to Violin Canyon (Hydrologic Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RAR Longitude:118.3750;Latitude:34.3010

PD 1974 Green Hill #2 Debris Basin, a drainage tributary to Violin Canyon(Hydrologic Unit No. 403.51) MUN, IND, PROC, AGR, GWR,

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FRSH, REC1, REC2, WARM, WILD, RAR
Longitude:118.3750;Latitude:34.3010

PD 2049 Mustang Debris Basin, a drainage tributary to Violin Canyon (Hydrologic Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RAR
Longitude:118.3800;Latitude:34.3000

PD 2097 - Cardiff Debris Basin, a drainage tributary to Santa Clara River (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD, RARE and WET;
Longitude: 118.625, Latitude: 34.4042

PD 2097 - Stratford Debris Basin, a drainage tributary to Santa Clara River (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD, RARE and WET;
Longitude: 118.625; Latitude: 34.4

PD 2099 Shadow Debris Basin, a tributary to Bouquet Canyon (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, COLD, WILD, SPWN and WET;
Longitude: 118.4547; Latitude: 34.3978

PD 2101 - Ft. Tejon Rd Debris Basin, a drainage tributary to Desert Area (Hydrologic Unit No. 403.55) MUN, IND, PROC , AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RARE Longitude:118.0230
Latitude:34.3315

PD 2103 Ave T-8 Retention Basin, a drainage tributary to Walnut Creek(Hydrologic Unit No. 403.55) MUN, IND, PROC , AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RARE Longitude:118.0225;
Latitude:34.3200

PD 2136 Avenue S Retention Basin, a drainage tributary to Antelope Valley(Hydrologic Unit No. 403.55) MUN, IND, PROC , AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RARE Longitude:117.5740
Latitude:34.3325

PD 2157 Yucca Debris Basin, a drainage tributary to Castaic Creek (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.62;
Latitude: 34.47

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PD 2176 Line "A" Debris Basin, a drainage tributary to Santa Clara River (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD, RARE and WET; Longitude: 118.53, Latitude: 34.39

PD 2223 Crystal Springs #1 Debris Basin, a drainage tributary to Sand Canyon (Hydrologic Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RAR Longitude:118.243 Latitude:34.2425

PD 2247 Saddleback #1 Debris Basin, a drainage tributary to Iron Canyon (Hydrologic Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RAR Longitude:118.2400 Latitude:34.2330

PD 2247 Saddleback #2 Debris Basin, a drainage tributary to Iron Canyon (Hydrologic Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RAR Longitude:118.2400 Latitude:34.2330

PD 2247 Saddleback #3 Debris Basin, a drainage tributary to Iron Canyon (Hydrologic Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RAR Longitude:118.2400 Latitude:34.233

PD 2275 Victoria Debris Basin, a drainage tributary to Violin Canyon (Hydrologic Unit No. 403.42) MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, COLD, WILD, RARE, WET Longitude:118.3810 Latitude:34.3020

PD 2279 Knoll Debris Basin, a drainage tributary to Castaic Creek (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.5, Latitude: 34.475

PD 2284 Cordoba Debris Basin, a drainage tributary to Hasley Canyon (Hydrologic Unit 403.51) -MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RAR Longitude:118.3840;Latitude:34.2840

PD 2389 Oakdale Debris Basin, a drainage tributary to Bouquet Canyon (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, COLD, WILD, SPWN and

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WET; Longitude: 118.4547; Latitude: 34.3978

PD 2444 Whitney Debris Basin, a drainage tributary to Castaic Creek (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.6417; Latitude: 34.475

PD 2467 Wedgewood Debris Basin, a drainage tributary to Castaic Creek (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.6194; Latitude: 34.4667

PD 354 Camp Plenty Debris Basin, a drainage tributary to Santa Clara River (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD, RARE and WET; Longitude: 118.475; Latitude: 34.4306

Pickens Debris Basin, an ephemeral drainage tributary to Pickens Wash then to Verdugo Wash to Los Angeles River (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2286; Latitude: 34.2211

Pinelawn Debris Basin, an ephemeral drainage tributary to Verdugo Wash to Los Angeles River (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2408; Latitude: 34.2472

Rowley (Upper) Debris Basin, an ephemeral drainage tributary to Verdugo Wash to Los Angeles River (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2855; Latitude: 34.2680

Rowley Debris Basin, a drainage tributary to Verdugo Wash to Los Angeles River (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2905; Latitude: 34.2638

Rubio Debris Basin, a drainage tributary to Eaton Wash to Rio Hondo River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.1219; Latitude: 34.1988

Ruby (lower) Debris Basin, a drainage tributary to Sawpit Wash to Rio Hondo River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.9983; Latitude: 34.1641

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Santa Anita Debris Basin, a drainage tributary to Santa Anita Wash then to Rio Hondo (Hydrological Unit No. 405.33) MUN, GWR, REC-1, REC-2, WARM, WILD, and RARE; Longitude: 118.0211; Latitude: 34.1705

Sawpit Debris Basin, a drainage tributary to Sawpit Wash then to Rio Hondo (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.9913; Latitude: 34.1680

Schoolhouse Debris Basin, an ephemeral drainage tributary to Wilson Canyon Creek then to the Tujunga Wash (Hydrological Unit No. 405.22) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.4580; Latitude: 34.3255

Schwartz Debris Basin, an ephemeral drainage tributary to Tujunga Wash then to Los Angeles River (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, COLD, and WILD; Longitude: 118.3422; Latitude: 34.2755

Shields (Upper) Debris Basin, a drainage tributary to Shields Canyon to Eagle Canyon then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2375; Latitude: 34.2477

Shields Debris Basin, a drainage tributary to Shields Canyon to Eagle Canyon then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2394; Latitude: 34.2397

Sierra Madre Dam Debris Basin, an ephemeral drainage tributary to Sierra Madre Wash to Santa Anita Wash then to Rio Hondo (Hydrological Unit No. 405.33) MUN, GWR, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.0419; Latitude: 34.2397

Sierra Madre Villa Debris Basin, a drainage tributary to Sierra Madre Villa Channel to Eaton Wash then to Rio Hondo (Hydrological Unit No. 405.31) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.0766; Latitude: 34.1711

Sloan (PD 1726) Debris Basin, a drainage tributary to Las Virgenes Creek (Hydrological Unit No. 404.22) MUN, REC-1, REC-2, WARM, COLD, WILD, MIGR, SPWN and WET; Longitude: 118.6975;

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Latitude: 34.1694

Snover Debris Basin, an ephemeral drainage tributary to Snover Canyon to Halls Canyon Channel then to Verdugo Wash (Hydrological Unit No. 405.32) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2227; Latitude: 34.2300

Sombrero Debris Basin, an ephemeral drainage tributary to Pacomia Diversion then to Tujunga Wash (Hydrological Unit No. 405.22) MUN, GWR, REC-1, REC-2, WARM, COLD, WILD, RARE, SPWN, and WET; Longitude: 118.4686; Latitude: 34.3311

Spinks Debris Basin, a drainage tributary to Spinks Channel then to Bradbury Channel (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.9616; Latitude: 34.1516

Starfall Debris Basin, a drainage tributary to Eagle Canyon Channel then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, COLD, and WILD; Longitude: 118.2363; Latitude: 34.2463

Stetson Debris Basin, an ephemeral drainage tributary to East Canyon Channel to Pacomia Diversion then to Tujunga Wash (Hydrological Unit No. 405.22) MUN, GWR, REC-1, REC-2, WARM, COLD, WILD, RARE, SPWN, and WET; Longitude: 118.3280; Latitude: 34.4741

Stevenson Ranch Debris Basin (PD 2528) (Certification No. 05-205 (Hydrologic Unit No.403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, RAR, Longitude:118.3451
Latitude:34.2256

Stough Debris Basin, a drainage tributary to Stough Canyon Creek then to Burbank Western System (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.3025; Latitude: 34.2000

Sturtevant Debris Basin, an ephemeral drainage tributary to Santa Anita Wash then to Rio Hondo (Hydrological Unit No. 405.33) MUN, GWR, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.0394; Latitude: 34.1716

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Sullivan Debris Basin, an ephemeral drainage tributary to Sullivan Canyon Creek to Santa Monica Canyon Channel then to Santa Monica Bay (Hydrological Unit No. 405.13) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.5072; Latitude: 34.0733

Sunnyside Debris Basin, an ephemeral drainage tributary to Arcadia Wash then to Rio Hondo (Hydrological Unit No. 405.33) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.0644; Latitude: 34.1738

Sunset (Lower) Debris Basin, an ephemeral drainage tributary to Sunset Canyon Channel then to Burbank Eastern System (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.2955; Latitude: 34.1958

Sunset (Upper) Debris Basin, an ephemeral drainage tributary to Sunset Canyon Channel then to Burbank Eastern System (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.2841; Latitude: 34.2050

Sunset Canyon-Deer Debris Basin, an ephemeral drainage tributary to Sunset Canyon Channel then to Burbank Eastern System (Hydrological Unit No. 405.21) MUN, REC-1, REC-2, WARM, and WILD; Longitude: 118.2861; Latitude: 34.2013

Thousand Oaks (PD 1726) Debris Basin, a drainage tributary to Las Virgenes Creek (Hydrological Unit No. 404.22) MUN, REC-1, REC-2, WARM, COLD, WILD, MIGR, SPWN and WET; Longitude: 118.6972; Latitude: 34.1694

Turnbull Debris Basin, an ephemeral drainage tributary to San Gabriel River (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.0263; Latitude: 34.9875

Verdugo Debris Basin, a drainage tributary to Verdugo Wash then to Los Angeles River (Hydrological Unit No. 405.24) MUN, GWR REC-1, REC-2, WARM, and WILD; Longitude: 118.2358; Latitude: 34.2016

Ward Debris Basin, an ephemeral drainage tributary to Eagle Canyon Channel then to Verdugo Wash (Hydrological Unit No. 405.24) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2477; Latitude: 34.2441

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Wellington Debris Basin, a drainage with no tributary or water body nearby (Hydrological Unit No. 405.41) H.U – 405.15 MUN, REC1, REC2, WARM, WILD, WET Longitude: 117.5510; Latitude:33.5727

West Ravine Debris Basin, an ephemeral drainage tributary to Altadena Channel to Devil’s Gate Reservoir then to Arroyo Seco (Hydrological Unit No. 405.32) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.1475; Latitude: 34.2050

Westridge Debris Basin, an ephemeral drainage tributary to Little Dalton Wash to Big Dalton Wash then to Walnut Creek Wash (Hydrological Unit No. 405.41) MUN, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 117.8708; Latitude: 34.1502

Wildwood Debris Basin, an ephemeral drainage tributary to South Fork of the Santa Clara River (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH,, REC-1, REC-2, WARM, and WILD; Longitude: 118.5322; Latitude: 34.3683

William’s Hart Park Debris Basin, an ephemeral drainage tributary to South Fork Santa Clara River (Hydrological Unit No. 403.51) MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, and WILD; Longitude: 118.5283; Latitude: 34.3741

Wilson Debris Basin, an ephemeral drainage tributary to Wilson Canyon Channel to Pacoima Wash then to Tujunga Wash (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.4447; Latitude: 34.3294

Winery Debris Basin, a drainage tributary to Flint Canyon Channel to Arroyo Seco (Hydrological Unit No. 405.32) MUN, IND, PROC, GWR, REC-1, REC-2, WARM, and WILD; Longitude: 118.2091; Latitude: 34.2250

Zachau Debris Basin, a drainage tributary to Haines Canyon Channel to Tujunga Wash (Hydrological Unit No. 405.23) MUN, GWR, REC-1, REC-2, WARM, WILD and RARE; Longitude: 118.2902; Latitude: 34.2672

Wilbur Debris Retention Inlet, a drainage tributary to Aliso Creek then to Los Angeles River (Hydrological Unit No. 405.21) MUN, GWR, REC-1, REC-2, WARM, and WILD

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11. Impacted Waters of the United States: Non-wetland waters (vegetated debris basins): When the quantity of sediment within the basin has reached 25% capacity or more (one-fourth of the design capacity), the surface area at that elevation is utilized to determine the total impact area.
- Estimated area at the 25% capacity levels for the basins range from 0.05 acres to 8.94 acres.
 - The majority of the basins (106) are 3.00 acres or less at 25% capacity.

Therefore, the proposed debris basin maintenance activities will consist of 184.95 acres of impact within the 25% mowing contour line.

12. Dredge Volume: None

13. Related Projects Implemented/to be Implemented by the Applicant: LADPW has the following proposed projects on several debris basins that may be implemented with the next several years. These projects are pending funding availability and prior DSOD and other regulatory approvals and would require a separate 401 Water Quality Certification:

Santa Anita Debris Dam:

Santa Anita Debris Basin is a dam under the jurisdiction of the State Department of Water Resources Division of Safety of Dams (DSOD). It does not meet DSOD seismic requirements. Due to concerns with its seismic stability, the State has prohibited long-term storage of water behind it. Stormwater is lost downstream rather than conserved within the East Raymond Basin (groundwater basin) for later use by the local residents. If not rehabilitated, an extreme earthquake could cause a failure resulting in flood damage during subsequent storms. LADPW is proposing to rehabilitate the dam by reinforcing the embankment, spillway, and outlet tower. Upon approval of DSOD, LADPW would then resume the practice of holding water within the basin until it can be spread in the adjacent Santa Anita Spreading Grounds where it will percolate into the groundwater basin. For structural reasons, the spillway may be relocated to the abutment. LADPW is currently finalizing the scope of work for the consultant to develop 30% design drawings for DSOD approval. Project construction is pending funding availability, but tentatively scheduled for 2011.

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Big Dalton Debris Basin:

Big Dalton Debris Basin is a dam under the jurisdiction of the State Department of Water Resources Division of Safety of Dams (DSOD). It does not meet DSOD seismic requirements. LADPW intends to seismically upgrade the spillway walls and outlet tower. LADPW does not intend to change operations at the facility.

Sawpit Debris Basin:

Sawpit Debris Basin is a dam under the jurisdiction of the State Department of Water Resources Division of Safety of Dams (DSOD). It does not meet DSOD seismic requirements. LADPW intends to seismically upgrade the spillway walls, add a new outlet tower, and provide erosion protection on the downstream dam face in order to meet dam regulations.

14. Avoidance/ Minimization Activities:

The Applicant has proposed to implement several Best Management Practices, including, but not limited to, the following:

- Any natural areas above the 25% capacity area, including areas within the 26% to 100% capacity area, slopes and areas in uplands shall be avoided;
- The 25% to 100% capacity area shall not be disturbed by any means unless: sediment deposition has occurred in that area and the sediment must be removed to restore capacity; unless approved exotic species removal is to occur; or unless there is a need to mow vegetation, trim trees, or remove dead brush, limbs or trees to comply with the California Fire Code;
- Storage areas for equipment and materials shall be located outside of any flowing waters;
- Any equipment and vehicles driven shall be checked and maintained daily, to minimize leaks of liquids harmful to aquatic life;
- Clean-up of all spills shall begin promptly after spillage; and
- No equipment maintenance shall take place within or near any stream channel where pollutants from the equipment may impact water quality.

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15. Required
Compensatory
Mitigation:

Public Works will comply with all specifications of the Mitigation and Monitoring Program and the Maintenance Plan prepared specifically for this project, which required approval of the Regional Board and CDFG.

The proposed debris basin maintenance activities will consist of 184.95 acres of impact within the 25% mowing boundary line (within the basins). In order to assess the function and values of the debris basins in which mitigation would be required, LADPW in conjunction with Bon Terra Consulting has developed a ranking formula for each basin and the associated mitigation required (LADPW Proposed Debris Basin Rankings, 10/08). The ranking formula takes the following into consideration: the value and type(s) of vegetation and associated habitat impacted; and general ratios required by Regional Board and California Department of Fish and Game. The general mitigation ratios utilized range from 5:1 to 1:1 (high-value impacts to low-value impacts).

Based upon the impact assessments, a total of 21.09 acres of compensatory mitigation will be required by the Regional Board. Of these 21.09 acres, a total of 6.32 acres will be preserved on-site as this acreage is within the 25% and 100% basin capacity areas. Therefore, a total of 14.76 acres of off-site mitigation will be required. A Final Mitigation Plan for the 14.76 acres will be submitted to the Regional Board for approval in coordination with CDFG.

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STANDARD CONDITIONS

Pursuant to §3860 of Title 23 of the California Code of Regulations (23 CCR), the following three standard conditions shall apply to this project:

1. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to §13330 of the California Water Code and Article 6 (commencing with 23 CCR §3867).
2. This Certification action is not intended and shall not be construed to apply to any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to 23 CCR Subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. Certification is conditioned upon total payment of any fee required pursuant to 23 CCR Chapter 28 and owed by the Applicant.

ADDITIONAL CONDITIONS

Pursuant to 23 CCR §3859(a), the Applicant shall comply with the following additional conditions:

1. The Applicant shall submit to this Regional Board copies of any other final permits and agreements required for this project, including, but not limited to, the U.S. Army Corps of Engineers' Section 404 Permit and the California Department of Fish and Game's Streambed Alteration Agreement. **These documents shall be submitted prior to any discharge to waters of the state.** The Applicant and all contractors employed by the Applicant shall have copies of this Certification and all other regulatory approvals for this project on site at all times so they are familiar with all conditions set forth.
2. Fueling, lubrication, maintenance, operation, and storage of vehicles and equipment shall not result in a discharge or a threatened discharge to waters of the state. At no time shall the Applicant use any vehicle or equipment that leaks any substance that may impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of waters of the State.
3. No debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or concrete or washings thereof, oil or petroleum products or other organic or earthen material from any maintenance, or associated activity of whatever nature shall be allowed to enter into or placed where it may be washed by rainfall or runoff into waters of the State. When

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operations are completed, any excess materials or debris shall be removed from the work area.

4. The Applicant shall implement all necessary control measures to prevent the degradation of water quality from the proposed project in order to maintain compliance with the Basin Plan. The discharge shall meet all effluent limitations and toxic and effluent standards established to comply with the applicable water quality standards and other appropriate requirements, including the provisions of Sections 301, 302, 303, 306, and 307 of the Clean Water Act. This Certification does not authorize the discharge by the applicant for any other activity than specifically described in the 404 Permit.
5. The Applicant shall develop and implement a Plan for Hazard Analysis and Critical Control Points (HACCP). This plan can be developed with Regional Board assistance in order to implement prevention and control of aquatic nuisance species. The draft plan shall be submitted to the Regional Board within two months after issuance of this Certification. Further information regarding the development of the HACCP can be found at: <http://www.anstaskforce.gov/haccp.php>
6. The discharge shall not: a) degrade surface water communities and populations including vertebrate, invertebrate, and plant species; 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.
7. The Applicant shall allow the Regional Board and its authorized representative entry to the premises, including all mitigation sites, to inspect and undertake any activity to determine compliance with this Certification, or as otherwise authorized by the California Water Code.
8. Application of pesticides must be supervised by a certified applicator and be in conformance with manufacturer's specifications for use. Compounds used must be appropriate to the target species and habitat. All pesticides directed toward aquatic species must be approved by the Regional Board. Pesticide utilization shall be in accordance with State Water Resources Control Board Water Quality Order Nos. 2004-0008-DWQ and 2004-0009-DWQ.
9. No maintenance activities shall take place in any areas where there is potential for any rare, threatened, or endangered species prior to completion of a formal or informal consultation with the responsible wildlife agencies. Upon completion of the consultation with the U.S. Fish and Wildlife Service, or other appropriate agencies, if such consultation is required by law or regulation and has not already occurred. The Applicant shall submit a copy of the consultation results to this Regional Board. Any conditions required by the approving agency for the protection of any protected species shall be incorporated into this certification.

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10. No activities involving vegetation removal shall be executed between March 15th and August 15th of each year.
11. The Applicant shall not conduct any maintenance activities within waters of the state during any period when site conditions would lead to excessive erosion. If any maintenance activities are to be held within five (5) days of a predicted rainfall event, the Applicant shall stage materials necessary to prevent water degradation on site, and shall ensure that all stabilization procedures are completed prior to the rainfall event.
12. The Applicant shall utilize the services of a qualified biologist with expertise in riparian assessments during all clearing activities involving vegetation clearing. The biologist shall be readily available on site during clearing activities to ensure that all protected areas are marked properly and ensure that no vegetation outside the specified areas is removed. The biologist shall have the authority to stop the work, as necessary, if instructions are not followed. The biologist shall be available upon request from this Regional Board for consultation within 24 hours of request of consultation.
13. No activities shall involve wet excavations (i.e., no excavations shall occur below the seasonal high water table). A minimum **5-foot** buffer zone shall be maintained above the existing groundwater level. If construction or groundwater dewatering is proposed or anticipated, the Applicant shall file a **Report of Waste Discharge** to this Regional Board and obtain any necessary NPDES permits/Waste Discharge Requirements prior to discharging waste. Sufficient time should be allowed to obtain any such permits (generally 180 days). If groundwater is encountered without the benefit of appropriate permits, the Applicant shall cease all activities in the areas where groundwater is present, file a Report of Waste Discharge to this Regional Board, and obtain any necessary permits prior to discharging waste.
14. All project activities not included in this certification, and which may require a permit, must be reported to the Regional Board for appropriate permitting. Stabilization and grading, as well as any other ground disturbances, are subject to restoration and revegetation requirements, and may require additional certification action.
15. All surface waters, including ponded waters, shall be diverted away from areas undergoing grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. If surface water diversions are anticipated, the Applicant shall develop and submit a **Surface Water Diversion Plan** (plan) to this Regional Board. The plan shall include the proposed method and duration of diversion activities, structure configuration, construction materials, equipment, erosion and sediment controls, and a map or drawing indicating the locations of diversion and discharge points. Contingency measures shall be a part of this plan to address various flow discharge rates.

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The plan shall be submitted prior to any surface water diversions. If surface flows are present, then upstream and downstream monitoring for the following shall be implemented:

- pH
- temperature
- dissolved oxygen
- turbidity
- total suspended solids(TSS)
- Downstream TSS shall be maintained at ambient levels
- Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%.

Analyses must be performed using approved US Environmental Protection Agency methods, where applicable. These constituents shall be monitored for on a daily basis during the first week of diversion and/or dewatering activities, and then on a weekly basis, thereafter, until the in-stream work is complete.

Results of the analyses shall be submitted to this Regional Board within 30 days of each sampling event. A map or drawing indicating the locations of sampling points shall be included with each submittal. Diversion activities shall not result in the degradation of beneficial uses or exceedance of water quality objectives of the receiving waters. Any such violations may result in corrective and/or enforcement actions, including increased monitoring and sample collection. If diversion is not possible due to area restrictions or emergency situations, the Regional Board must be notified in writing for approval. The notification must include information regarding reasons diversion is not feasible or not applicable.

16. The Applicant shall restore all areas of temporary disturbance in areas outside of the basin where vegetation has been temporarily impacted, that could result in a discharge or a threatened discharge to waters of the State. Restoration shall include revegetation with native species to the extent feasible. The Applicant shall implement all necessary Best Management Practices to control erosion and runoff from areas associated with this project.
17. The applicant will provide compensatory mitigation for the proposed 184.95 acres of impact. In order to assess the function and values of the debris basins in which mitigation is required, LADPW in conjunction with Bon Terra Consulting developed a ranking formula for each basin and the associated mitigation required (LADPW Proposed Debris Basin Rankings, 10/08). The ranking formula took the following into consideration: the value and type(s) of vegetation and associated habitat impacted; and general ratios required by Regional Board and California Department of Fish and Game. The general mitigation ratios utilized range from 5:1 to 1:1 (high-value impacts to low-value impacts)

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Based upon the impact assessments, a total of 21.09 acres of compensatory mitigation will be required by the Regional Board. Of this 21.09 acres, a total of 6.32 acres will be preserved on-site as this acreage is within the 25% and 100% basin capacity areas. Therefore, a total of 14.76 acres of off-site mitigation will be required. A Final Mitigation Plan for the 14.76 acres will be submitted to the Regional Board for approval in coordination with CDFG.

18. The Applicant must notify the Regional Board in writing 30-days prior to any basin being proposed for addition or deletion from this Certification. The Applicant must include the completed formal or informal consultation results from all appropriate agencies responsible for rare, threatened, or endangered species as part of their notification. All conditions that are required by the approving responsible agencies for the protection of any protected species shall be incorporated into this certification. The written notification must include the name of the basin, location, longitude/latitude coordinates, reason for removal, the total acres proposed for maintenance, and the future maintenance procedures proposed.
19. The Applicant shall submit Geographical Positioning System (GPS) coordinates in decimal-degrees format outlining the boundary of each of the project areas by May 31, 2009. The location of the 5% and 25% capacity boundaries shall be included in this submittal.
20. The project proponent shall submit an **Annual Report** by **June 30th each year**. The report shall describe in detail all of the project activities actually performed during the previous storm season within any of the debris basins. This report shall include as a minimum, the following documentation:
 - (a) Color photo documentation of the pre- and post-project conditions within each basin in an easy to interpret format;
 - (b) The overall status of project including a detailed schedule of work and Maintenance Plan for future activities;
 - (c) Copies of all permits revised as required in Additional Condition 1;
 - (d) Water quality monitoring results for each basin compiled in an easy to interpret format;
 - (e) A certified statement of “no net loss” of wetlands associated with this project; and
 - (f) A certified statement from the permittee or his/her representative that all conditions of this certification have been met.
21. The Applicant shall submit to this Regional Board **Annual Mitigation Monitoring Reports** by June 30th of each year documenting all restoration and mitigation efforts, including, percent survival by plant species and percent cover, if applicable. The reports shall include

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25. The Applicant shall have copies of this Certification and all other regulatory approvals on site at all times, and all contractors employed by the Applicant shall be made aware of the conditions of this Certification.
26. Any modifications of the proposed project may require submittal of a new Clean Water Act Section 401 Water Quality Certification application and appropriate filing fee.
27. The Applicant shall notify this Regional Board in writing of any proposed custodial changes of the number of basins to be covered by this certification at least sixty (60) days prior to planned transfer of the reaches. A copy of the accepted transfer agreement shall be provided as part of this notification for approval.
28. The Applicant or their agents shall report any noncompliance. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
29. *Enforcement:*
 - (a) In the event of any violation or threatened violation of the conditions of this certification, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under state law. For purposes of section 401(d) of the Clean Water Act, the applicability of any state law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this certification.
 - (b) In response to a suspected violation of any condition of this certification, the State Water Resources Control Board (SWRCB) or Regional Water Quality Control Board (RWQCB) may require the holder of any permit or license subject to this certification to furnish, under penalty of perjury, any technical or monitoring reports the SWRCB deems appropriate, provided that the burden, including costs, of the reports shall be a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.

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- (c) In response to any violation of the conditions of this certification, the SWRCB or RWQCB may add to or modify the conditions of this certification as appropriate to ensure compliance.
30. This certification shall expire **five (5) years** from the date of signature or shall be valid for a period of five (5) years in conjunction with the issuance date of the ACOE 404 permit. The Applicant may request a renewal of this certification 180 days prior to its termination. Renewals may be granted in **five year (5 year)** increments, however, are subject to additional filing fees, and will require Regional Board approval. If the Applicant fails to request a renewal prior to the certification's expiration, then the Applicant shall submit new application and appropriate filing fees.
31. Applicant shall employ all available Best Management Practices (BMPs) to avoid degradation of water quality.
32. Section 21060.3 of the Public Resources Code defines "Emergency" as a sudden, unexpected occurrence, involving a clear and imminent danger, demanding immediate action to prevent or mitigate loss of, or damage to, life, health, property or essential public services. "Emergency" includes such occurrences as fire, flood, earthquake, or other soil or geologic movements, as well as such occurrences as riot, accident, or sabotage.
33. Section 15249 of the California Environmental Quality Act Procedures and Guidelines defines "Emergency" as: a) projects to maintain, repair, restore, demolish or replace property or facilities damaged or destroyed as a result of a disaster in a disaster stricken area in which a state of emergency has been proclaimed by the Governor pursuant to the California Emergency Services Act, commencing with Section 8550 of the Government Code; b) emergency repairs to public service facilities necessary to maintain service; and c) specific actions necessary to prevent or mitigate an emergency.