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**VIA ELECTRONIC & U.S. MAIL**

April 8, 2016

Valerie Carrillo Zara, Lead  
401 Water Quality Certification and Waste Discharge Requirements Program  
LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD  
320 West Fourth Street, Suite 200  
Los Angeles, California 90013  
Em: vcarrillo@waterboards.ca.gov

RE: **Devil's Gate Reservoir Sediment Removal and Management Project (File No. 15-053).**

On behalf of the Arroyo Seco Foundation (“**ASF**”) and the Pasadena Audubon Society (“**Audubon**”) (collectively referred to as “**Commenters**”), my Office is submitting comments regarding the County of Los Angeles Department of Public Works (“**DPW**” or “**Public Works**”) and Los Angeles County Flood Control District’s (“**LACFCD**” or “**Flood Control District**”) Devil’s Gate Reservoir Sediment Removal and Management Project (File No. 15-053) application for a Clean Water Act Section 401 Water Quality Certification, a pre-requisite for receiving a Clean Water Act Section 404 Dredge and Fill Permit (“**Permit Application**” or “**Project**”).

The Arroyo Seco Foundation is a community-based 501(c)(3) nonprofit organization that advocates for an integrated, harmonious approach to watershed and flood management, water conservation, habitat enhancement, and the expansion of recreational opportunities through action projects, recreation, and environmental awareness activities. ASF has conducted a watershed coordination and education program in the Arroyo Seco Watershed for more than ten years. ASF members live, work, and recreate in the area surrounding the Devil’s Gate Reservoir.

Pasadena Audubon Society is a California nonprofit corporation that aims to bring the excitement of birds to their community through birding, education, and the conservation of bird habitats serving the communities of Alhambra, Altadena, Arcadia, Azusa, Duarte, El Monte, La Cañada, Monterey Park, Monrovia, Montrose, Pasadena, Rosemead, San Gabriel, San Marino, Sierra Madre, South Pasadena, and Temple City. Audubon members live and work near the Project site and frequently live, work, and recreate in the areas immediately surrounding the Devil’s Gate Reservoir.

Commenters would like to supplement their September 11, 2015 comments to the Los Angeles Regional Water Quality Control Board (“**LARWQCB**” or “**Regional Board**”) that requested that the Regional Board 1) deny the current Permit Application, 2) conduct a public hearing on the Project, 3) find that the Permit Application is incomplete, 4) require that the Project apply for an NPDES General Construction Permit, 5) order the development of a Supplemental Environmental

Impact Report to consider the Project’s impacts on water quality, and 6) impose waste discharge requirements.

In addition to the requests originally submitted on September 11, 2015, Commenters would note that the County’s Permit Application does not comply with the TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION FOR PROPOSED LOS ANGELES COUNTY DEBRIS BASIN MAINTENANCE PROJECT (172 BASINS) (Corps’ Project No. 2003-00411-BLR (“**Debris Basin Maintenance Water Quality Certification**” or “**Water Quality Certification**”) as the Permit Application 1) does not adopt enforceable turbidity limits, 2) allows for wet excavations, 3) allows for sediment removal activities during rainfall events, 4) fails to protect rare, threatened, or endangered species, and 5) does not require monitoring and annual monitoring and reporting.

The Regional Board should impose the conditions included in the Debris Basin Maintenance Water Quality Certification upon the Project as the debris maintenance activities regulated under the Water Quality Certification are virtually identical in the type of activities and their impact on water quality.

The Project’s Permit Application does not adopt many of the mitigation measures imposed by the Debris Basin Maintenance Water Quality Certification. These mitigation measures are necessary to protect the Project from causing violations of state water quality standards.

## **I. PROJECT BACKGROUND.**

The Devil’s Gate Reservoir Sediment Removal and Management Project (“**Project**”) is a proposed sediment removal project in the Devil’s Gate Reservoir (“**Reservoir**”) proposed by the LACFCD.

The Project proposes to remove sediment from behind Devil’s Gate Dam (“**Dam**”). Built in 1920, the Dam is the oldest dam constructed by the County to provide flood protection to the cities of Pasadena, South Pasadena, and Los Angeles and to promote water conservation efforts. The Dam had an original storage capacity of approximately 7.42 million cubic yards (“**mcy**”) at the time of its opening. Now, with sediment having accumulated behind the dam, it holds a total reservoir capacity of 3.72 mcy.

The Project is set to occur within Hahamongna Watershed Park (“**Park**” or “**Project Site**”), a well-known and widely used City of Pasadena designated nature preserve and recreational area. The 300-acre Park offers magnificent views of the San Gabriel Mountains, and supports a wide variety of recreational uses, including hiking, bicycling, birding, horseback riding, picnicking, soccer, baseball, softball, disc golf, and other activities. The Park is a popular fishing destination. The Park has also become home to a number of federally and state endangered species, including Least Bell’s Vireo, Yellow Warbler, Yellow-Breasted Chat, and Loggerhead Shrike.

The Project will destroy habitat for these federally and state endangered species, permanently decrease the recreational and aesthetic value of the Park, and displace recreational activities for a five-year period during which sediment removal is expected to be conducted.

Originally proposed as a 50-acre 1.67 mcy emergency sediment removal following the 2009 Station Fire, the Project was initially denied permits by a number of federal and state agencies, including the Regional Board. Letter from Samuel Unger, P.E., Executive Officer, California Regional Water Quality Control Board Los Angeles Region to Christopher Stone, Los Angeles County Flood Control District (Mar. 18, 2011).

In denying the Project’s December 1, 2010 application for a Clean Water Act (CWA) Section 401 Water Quality Certification, the Regional Board found that:

. . . we do not find that the potential significant impacts have been minimized to the fullest degree possible and we do not find an analysis of alternatives, which should include alternatives in terms the overall size of the project (the volume of materials to be removed and the acreage impacted) and the timing and staging of the impact. Alternatives need to be identified and adequately analyzed for a project, such as the one proposed, to proceed.

Moreover, the Regional Board requested that LACFCD “identify cleanout alternatives . . . other than ‘return to design capacity.’ . . . [and] identify cleanout alternatives which would minimize the 50-acre impact and identify alternatives for phasing the project to minimize impacts over time.

Finally, the Regional Board noted that a “total cleanout” alternative would then “permit LACFCD to not conduct work in this basis for the next ten to fifteen years.”

Five years later, despite virtually no change in the Reservoir’s situation, the Project has since ballooned into a massive 70-acre 2.4 mcy sediment removal project, exactly opposite to the Regional Board’s March 18, 2011 request. The Project’s initial large-scale sediment removal would occur over a five-year period, removing sediment from a 70-acre area and establish a permanent 52-acre maintenance area within Park requiring **annual ongoing sediment removal**.

The County claims that massive flooding of the surrounding downstream neighborhoods will occur without this Project despite the fact that the last large scale sediment removal even vaguely approaching the size of the Project occurred at the Project Site in 1995, where they removed a mere 0.19 mcy. This was in part due to improvements at the Dam in 1993 that significantly increased the Reservoir’s flood control capacity.

But now, with the ready availability of State grant funds and the revival of the long-dead Eaton Canyon Pipeline Project, the County has suddenly decided that it is necessary to restore the Reservoir to a flood control capacity that it has not maintained since 1935.

LACFCD’s own internal correspondences indicate that the amount of sediment removal proposed for the Project is unrelated to actual flood risk at the Dam. Email from Valerie De La Cruz, County of Los Angeles to Ramil Parial and Crystal Franco RE: FW: Devil’s Gate Report (March 30, 2011).

Commenters and general public opinion are strongly against the Project due to the County’s failure

to adequately justify the need for such a large sediment removal. As L.A. County Supervisor Yaroslavsky stated in voting against the Project on November 12, 2014:

I’m not satisfied with the answer. . . . I believe Mr. Czamanske deserves an answer and the rest of us do to that question we asked. What are the odds that if you went with the Pasadena alternative or any other alternative . . . you would have an overflow that would create . . . a major flood? . . . It’s a very legitimate question that they’re asking. County of Los Angeles Board of Supervisors, The Meeting Transcript of the Los Angeles County Board of Supervisors 191 (Nov. 12 2014)

This is in spite of the Project’s admitted significant environmental impacts on aesthetics, traffic, biological resources, public health, noise, and air quality. The Project will destroy over 70 acres of some of Southern California’s most precious wildlife habitat. It will send more than 400 trucks a day through a residential area around 15 preschool, elementary, middle and high school facilities and through residential streets and neighborhoods over 8 hours a day for 9 months of the year.

The County of Los Angeles Board of Supervisors (“**BOS**”) approved the Project and certified the Project’s California Environmental Quality Act, Cal Public Resources Code § 21000, *et seq* (“**CEQA**”) Final Environmental Impact Report (“**FEIR**”) on October 12, 2014.

Commenters filed a CEQA lawsuit challenging the Project’s approval by the BOS under the California Environmental Quality Act, Cal Public Resources Code § 21000, *et seq* (“**CEQA**”), County of Los Angeles Code, as well as Pasadena Municipal Code on December 11, 2014. *Arroyo Seco Foundation, et al v. County of Los Angeles, et al* (LASC Case No. BS152771), Notice To Responsible Agencies (filed Feb. 17, 2015).

The Permit Application has been pending with the Regional Board since May 18, 2015.

## **II. BACKGROUND ON THE CLEAN WATER ACT SECTION 404 DREDGE & FILL PERMIT**

The Clean Water Act, 33 U.S.C. § 1251, *et seq* (“**CWA**”) regulates discharges of pollutants into the waters of the United States and quality standards for surface waters. The CWA sets water quality standards for water bodies subject to federal jurisdiction as a “Water of the United States” as well as regulates the discharge of any pollutant from a point source into a Water of the United States.

However, in addition to regulating point sources of pollution as well as setting water quality standards for surface waters, the CWA regulates the discharge of dredged or fill material. Section 404 of the CWA, 33 U.S.C. § 1344, bars the discharge of dredged or fill material into a “Water of the United States” without a permit. Permits issued under Section 404 of the CWA, known as 404 Dredge and Fill Permits regulate the dredging and filling of wetlands, streambeds, and lakebeds for development, water resource projects, infrastructure development, and any other activity that involves the dredging and filling of riparian areas of a Water of the United States. Before receiving a

404 Permit, permittees must show that their activities comply with the Section 404(b)(1) Guidelines for Specification of Disposal Sites for Dredged or Fill Material, 40 C.F.R. pt. 230.

**III. BACKGROUND ON THE CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION.**

Federal agencies may not issue a 404 Permit unless the state or tribe where the discharge would occur has granted, granted with conditions or waived CWA Section 401 certification that the permitted activity will not or activity will not result will not result in discharges that do not comply with state water quality standards (“**401 Certification**”). 401 Certification is required for “[a]ny applicant for a Federal license or permit to conduct any activity . . . which may result in any discharge into the navigable waters. 33 U.S.C. § 1341(a)(1).

**IV. THE REGIONAL BOARD SHOULD APPLY THE REQUIREMENTS OF THE DEBRIS BASIN MAINTENANCE REGULATIONS TO THE COUNTY’S PERMIT APPLICATION.**

The Regional Board should impose the Debris Basin Maintenance Water Quality Certification as the Permit Application involves similar activities as those covered by the Debris Basin Maintenance Water Quality Certification. The Debris Basin Maintenance Water Quality Certification cover “removal of mud, rock and debris from 172 debris basins. Debris Basin Maintenance Water Quality Certification at 1.

The Regional Board is required to do so as the Project’s FEIR concludes that the Project will not result in violations of applicable water quality standards based upon the Regional Board’s regulations, noting that eventhough “[a] NPDES General Construction Permit will not be required . . . [in order to] to avoid sediment removal activities violating water quality standards, all removal activities will be conducted in general accordance with the LARWQCB regulations and LACDPW regulations.” FEIR at 181.

**a) The Permit Application Does Not Adopt Enforceable Turbidity Limits.**

Condition No. 20 of the Debris Basin Maintenance Water Quality Certification imposes enforceable numerical effluent limitations. In particular, the Water Quality Certification provides that “[d]ownstream TSS [(Total Suspended Solids)] shall be maintained at ambient levels. Where natural turbidity is between 0 and 50 . . . , increases shall not exceed 20% . . . .” Numerical effluent limitations, *monitoring*, and *reporting measures* should be adopted to ensure that the Project activities do not result in discharges exceeding those numerical effluent limitations should be imposed as a condition of certification for the Project.

**b) The Permit Application Allows For Wet Excavation.**

Condition No. 18 of the Water Quality Certification bars “wet excavation,” i.e. sediment removal activities below the “existing groundwater level.” Water Quality Certification at 3. The Regional

Board should bar wet excavations for the Project and require the County to determine “existing groundwater level[s]” on the Project Site.

The Project’s Permit Application does not address “wet excavation” and the possibility that the Project may pollute local groundwater resources. Given the depths that the Project proposes to excavate, there is a significant possibility that the Project may pollute local groundwater resources by excavating within the local groundwater table.

**c) The Permit Application Allows For Sediment Removal Activities During Rainfall Events.**

Condition No. 16 of the Water Quality Certification bars excavation activities during rainfall events, barring excavation activities “when site conditions would lead to excessive erosion” and moreover requiring “stabilization procedures” prior to rainfall events. Water Quality Certification at 3.

The Permit Application goes the exact opposite direction, allowing for excavation activities during rain events. Permit Application at 15. The Regional Board should bar the Project from committing excavation activities during rainfall events as well as require stabilization procedures prior to rainfall events.

**d) The Permit Application Does Not Protect Rare, Threatened Or Endangered Species.**

Condition No. 14 of the Water Quality Certification requires completion of a formal or informal consultation with responsible wildlife agencies before a Project can move forward. Water Quality Certification at 3.

The Permit Application is not conditioned upon completion of formal or informal consultation with responsible wildlife agencies. The Regional Board should condition granting the Permit Application upon completion of consultation and compliance with any conditions imposed as a result from responsible wildlife agencies.

**e) The Permit Application Does Not Require Monitoring Or Annual Reporting.**

Conditions Nos. 25 and 26 of the Water Quality Certification requires the County to submit an Annual Report as well as Annual Mitigation Monitoring Report to the Regional Board. Water Quality Certification at 5 – 6.

The Permit Application does not require any annual reporting. Annual reporting requirements should be imposed on the Project.

**V. Conclusion.**

Commenters request that at a minimum, the Regional Board adopt the Water Quality Certification conditions upon the Project. Moreover, Commenters reiterate their request that the Regional Board

1) deny the current Permit Application 2) conduct a public hearing on the Project, 3) find that the Permit Application is incomplete, 4) require that the Project apply for an NPDES General Construction Permit, 5) order the development of a Supplemental Environmental Impact Report to consider the Project’s impacts on water quality, and 6) impose waste discharge requirements.

Please contact my Office if you have any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read "Mitchell M. Tsai", is written over a horizontal line.

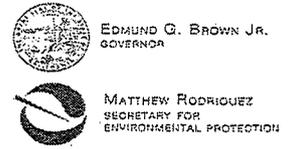
Mitchell M. Tsai  
Attorneys for Arroyo Seco Foundation &  
Pasadena Audubon Society

Attachments:

TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION FOR PROPOSED  
LOS ANGELES COUNTY DEBRIS BASIN MAINTENANCE PROJECT (172 BASINS)  
(Corps’ Project No. 2003-00411-BLR); and

SECTION 401 WATER QUALITY CERTIFICATION APPLICATION FORM.

**EXHIBIT A**



Los Angeles Regional Water Quality Control Board

Mr. Sree Kumar
Assistant Deputy Director
Los Angeles County Flood Control District
900 S. Fremont Avenue, Annex 2nd Floor
Alhambra, CA 91803

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED
No. 7008 1140 0002 8671 9479

TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION FOR PROPOSED LOS ANGELES COUNTY DEBRIS BASIN MAINTENANCE PROJECT (172 BASINS) (Corps' Project No. 2003-00411-BLR), LOS ANGELES COUNTY (File No. 02-144, 2015 RENEWAL)

Dear Mr. Kumar,

Regional Board staff has reviewed your request on behalf of Los Angeles County Flood Control District (LACFCD) for an amendment of the Clean Water Act Section 401 Water Quality Certification for the above-referenced project. This Certification shall supersede the previous 2011 Amendment and 2013 Extension.

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 Zara, Lead, Section 401 Program, at (213) 576-6759.

Samuel Unger
Samuel Unger, PE
Executive Officer

Sept. 1, 2015
Date

## DISTRIBUTION LIST

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Alhambra, CA 91803

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Jim Bartel  
U.S. Fish and Wildlife Service  
2730 Loker Avenue West  
Carlsbad, CA 92008

## ATTACHMENT A

### Project Information File No. 02-144 (2015 Renewal)

1. Applicant: Los Angeles County Flood Control District  
900 S. Fremont Avenue, Annex 2nd Floor  
Alhambra, CA 91803  
  
Phone: (626) 458-4145 Fax: (626) 458-4150
2. Applicant's Agent: Jemellee Cruz  
Los Angeles County Flood Control District  
900 S. Fremont Avenue, Annex 2nd Floor  
Alhambra, CA 91803  
  
Phone: (626) 458-4170 Fax: (626) 458-4150
3. Project Name: Maintenance of 172 Debris Basins
4. Project Location: Throughout Los Angeles County. All debris basins included in this Certification are listed in Attachment C.
5. Type of Project: Debris basin cleanouts and annual maintenance activities within 172 debris basins.
6. Project Purpose: The purpose of the proposed project is routine maintenance of 172 debris basins by the Los Angeles County Flood Control District (LACFCD). Debris accumulates in these basins during erosional storm events and decreases flood control capacity.

The project primarily includes periodic sediment excavation, land clearing, repair and maintenance of existing debris basin facility structures and appurtenances; fuel modification; annual mowing (either mechanically or by hand with hand tools); 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.

7. Project Description: Project activities will include the removal of mud, rock and debris from 172 debris basins. Vegetation which has been buried by sediment and debris will also be removed from within the basins. Sediment and vegetation removal may occur several times per year or following a single storm event.

The frequency of cleanouts will be dependent upon watershed conditions, including previous occurrence of brush fires and subsequent

## ATTACHMENT A

### Project Information File No. 02-144 (2015 Renewal)

vegetative recovery, occurrence and magnitude of winter rains. Capital flood designations are made according to LACFCD's standards using a 50-year rainfall event in mountainous saturated watersheds.

#### **REGULAR SEDIMENT REMOVAL:**

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

1. When the quantity of sediment in a debris basin has reached 25% capacity or more for non-burned watersheds.
2. 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.
3. Or, when cleanouts do not meet the above requirements, with prior approval from the Regional Board. Special circumstances may include compliance with vector control, California Division of the Safety of Dams (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.

#### **ONGOING MAINTENANCE:**

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

##### Structural integrity requirements:

LACFCD is required by DSOD to drain ponded water behind debris basins under the jurisdiction of the Department of Water Resources, and to clear vegetation from the dam structures 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-

## ATTACHMENT A

### Project Information File No. 02-144 (2015 Renewal)

DSOD jurisdictional debris basins will be in effect.

#### Fire hazard (fuel modification) maintenance:

Annual fire hazard (fuel modification) 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. In order to avoid impacts to nesting/breeding birds, qualified biologists will conduct nesting bird surveys prior to any clearing activities.

The other ongoing annual maintenance activities to correct deficiencies and maintain facilities at their originally designed pre-storm conditions include:

1. Annual mowing of vegetation within 25 percent capacity area of the basin;
2. Clearing vegetation and debris from the outlet towers and discharge conduits;
3. Maintaining 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);
4. In cases where a basin, in a non-burned watershed that has less than 25% capacity, has sufficient accumulated debris to require clearing around the outlet tower (i.e., greater than 5-feet deep from the bottom of the basin), sediment clearing around the tower to ensure a clean tower inlet. This sediment clearing will require excavating a 15-foot radius from the tower's outer surface to the basin bottom elevation. This bottom basin elevation will be as shown on the ultimate cut plan for that basin. At the outer circumference of the 15-foot cleared area, a 2:1 slope will be constructed to meet the existing debris surface. This will ensure that no material will fall against the tower during or after a storm event. Therefore, excavating will require additional vegetation and sediment removals, as necessary, to create a 2:1 slope from the top of the sediment to the bottom of the excavated area to operate a backhoe (or gradall) and provide access for a truck to remove the excavated debris.

## ATTACHMENT A

### Project Information File No. 02-144 (2015 Renewal)

5. 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);
6. Removing ponded water, trash, and invasive vegetation/weeds for vector control purposes (in compliance with requirements for vector control);
7. Annual fire hazard (fuel modification) vegetation clearing to comply with California Fire Code requirements;
8. Vector control spraying; and
9. Clearing of dam face and embankments.

#### **ADDITIONAL ACTIVITIES:**

LACFCD will perform the following one-time repairs and restoration of existing structures back to previously existing conditions, under this Certification.

On outlet towers which are not seismically designed up to DSOD regulations, a sloping tower may be installed. The sloping towers are needed until the outlet towers can be completely replaced. These sloping towers, consisting of corrugated steel pipes (CSP), will be drilled and connected to 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. 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 Wildlife (CDFW), LACFCD has been required to provide a vegetation management plan for the Wilson Debris Basin, which will allow for

## ATTACHMENT A

### **Project Information** **File No. 02-144 (2015 Renewal)**

vegetation clearing occurring in phases, rather than in its entirety. CDFW required LACFCD 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 and has been finalized and approved by CDFW.

#### Spinks Debris Basin

The maintenance area for the Spinks Debris basin will be modified to 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 CDFW, LACFCD 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, CDFW requires vegetation and sediment clearing in phases, rather than sediment cleanout in its entirety. CDFW is requiring LACFCD to demonstrate that with each phase of vegetation and 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 CDFW, LACFCD shall submit a copy to the Regional Board.

#### Englewild Debris Basin

## ATTACHMENT A

### Project Information File No. 02-144 (2015 Renewal)

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

8. Federal Agency/Permit: U.S. Army Corps of Engineers  
Regional General Permit No. 45 (Permit No. 2003-00411-BLR)
9. Other Required Regulatory Approvals: California Department of Fish and Wildlife  
CDFW SBAA 1600-2008-0290-R5 Section 1605 Long-Term Maintenance Agreement
10. California Environmental Quality Act (CEQA) Compliance: The proposed project is Categorical Exempt from CEQA pursuant to the CEQA Guidelines, Section 15301 (Existing Facilities).
11. Receiving Water/Designated Beneficial Uses: See Attachment D
12. 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.
12. Dredge Volume: None
13. Related Projects Implemented/to be Implemented by the Applicant: A Water Quality Certification for cleanout of 115 debris basins was issued to LACFCD on January 15, 2004, under File No. 02-144. A Water Quality Certification for cleanout of 159 debris basin cleanouts was issued on October 24, 2008, under File No. 02-144. The October 24, 2008 certification was amended in 2011 to authorize cleanout of 165 debris basins and was extended on October 1, 2013 until October 15, 2014.

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### Project Information File No. 02-144 (2015 Renewal)

This certification authorizes the cleanout of 172 debris basins, under File No. 02-144. Basins added into this Certification have previously been issued separate, individual, certifications.

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 (mow area/design contour) area, including areas within the 26% to 100% capacity area, slopes and areas in uplands shall be avoided;
- Vegetation and sediment clearing upstream of the debris basin with accumulation (deposition). The clearing limits will be within the original design contours for areas above the 25% contour area;
- The 26
- % 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; and shall be removed prior to any predicted rain event;
- 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.

15. Required  
Compensatory  
Mitigation:

LACFCD 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 CDFW.

The proposed debris maintenance activities will consist of over 185

## ATTACHMENT A

### Project Information File No. 02-144 (2015 Renewal)

acres of impact within the 25% mowing/design contour boundary line. Compensatory mitigation for most of these debris basins was conducted at the time the debris basin was established. However, in 2011, the LACFCD calculated an impact to 21.41 acres which had not had compensatory mitigation assessed. In order to assess the function and values of the debris basins in which mitigation would be required, LACFCD in conjunction with Bon Terra Consulting developed a ranking formula for each basin and the associated mitigation required (LACFCD Final Debris Basin Rankings, 08/10). 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 Wildlife (CDFW). The mitigation ratios utilized ranged from 5:1 to 1:1 (high-value impacts to low-value impacts).

Based upon the impact assessments, a total of 21.41 acres of compensatory mitigation was required by the Regional Board in 2011. Of these 21.41 acres, a total of 6.42 acres was preserved on-site and a total of 14.99 acres of off-site mitigation was required. A Final Mitigation Plan for the 14.99 acres was submitted and approved by the Regional Board in coordination with CDFW and ACOE.

In August 2011, LACFCD entered into an Enhancement Agreement with the Mountains Recreation and Conservation Authority (MRCA) such that MRCA, on behalf of LACFCD, provided 14.99 acres of mitigation. The mitigation cost was \$2.6 Million. The 14.99-acre mitigation was split into 10 acres of acquisition and 5 acres of restoration. MRCA continues to provide the annual mitigation report.

This Certification authorizes the cleanout of 172 debris basins. Basins added into this Certification since 2011 have previously been issued separate, individual certifications in which mitigation requirements for future maintenance impacts have been assessed and fulfilled.

## ATTACHMENT B

### Conditions of Certification File No. 02-144 (2015 Renewal)

#### 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' (ACOE) Section 404 Permit and the California Department of Fish and Wildlife's (CDFW) Streambed Alteration Agreement. **These documents shall be submitted prior to any discharge to waters of the State.**
2. The Applicant shall adhere to the most stringent conditions indicated with either this Certification, the CDFW's Streambed Alteration Agreement, or the ACOE Section 404 Permit.
3. The Applicant shall comply with all water quality objectives, prohibitions, and policies set forth in the *Water Quality Control Plan, Los Angeles Region (1994)*, as amended.
4. The Avoidance/Minimization activities proposed by the Applicant as described in Attachment A, No. 14, are incorporated as additional conditions herein.

## ATTACHMENT B

### Conditions of Certification File No. 02-144 (2015 Renewal)

5. 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 and shall be familiar with all conditions set forth.
6. 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 which leaks any substance that may impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of waters of the State.
7. All excavation, construction, or maintenance activities shall follow best management practices to minimize impacts to water quality and beneficial uses. Dust control activities shall be conducted in such a manner that will not produce downstream runoff.
8. No construction material, spoils, debris, or any other substances associated with this project that may adversely impact water quality standards, shall be located in a manner which may result in a discharge or a threatened discharge to waters of the State. Designated spoil and waste areas shall be visually marked prior to any excavation and/or construction activity, and storage of the materials shall be confined to these areas.
9. 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.
10. The Hazard Analysis and Critical Control Points (HACCP) Plan for Soft Bottom Channel Maintenance Activities within the Malibu and Santa Monica Canyon Watersheds dated April 1, 2010, shall continue to be implemented. The HACCP Plan shall be updated as necessary.
11. 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.
12. 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.

## ATTACHMENT B

### Conditions of Certification File No. 02-144 (2015 Renewal)

13. 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. 2011-0003-DWQ, for Aquatic Animal Invasive Species Control; 2011-0004-DWQ, for Spray Applications; 2011-0002-DWQ, for Vector Control; and 2013-0002-DWQ, for Weed Control.
14. 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.
15. No activities involving vegetation removal shall be executed between March 15th and August 15th of each year, unless a qualified biologist performs the required nesting bird survey(s) prior to start of work.
16. 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.
17. 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.
18. 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

## ATTACHMENT B

### Conditions of Certification File No. 02-144 (2015 Renewal)

Waste Discharge to this Regional Board, and obtain any necessary permits prior to discharging waste.

19. 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.
20. 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. 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)

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 as part of the Annual Monitoring Report. 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. 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%. 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.

## ATTACHMENT B

### Conditions of Certification File No. 02-144 (2015 Renewal)

21. 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.
22. LACFCD is not required to provide any additional compensatory mitigation for the proposed additional 14 new debris basins. The developers who previously built these facilities provided the required maintenance mitigation as part of obtaining maintenance permits prior to their transfer to LACFCD.
23. 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.
24. The Applicant shall include Geographical Positioning System (GPS) coordinates of the 5% and 25% capacity boundaries in decimal-degrees format, outlining the boundary of each of the project areas.
25. 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 a spreadsheet 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.

ATTACHMENT B

Conditions of Certification  
File No. 02-144 (2015 Renewal)

26. 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 discussion of any monitoring activities and exotic plant control efforts. Representative pre- and post-photographs from designated stations shall be included in the reports. The reports shall be submitted by June 30th of each year for a minimum period of **five (5) years** after planting or until mitigation success has been achieved.
27. All applications, reports, or information submitted to the Regional Board shall be signed:
- (a) For corporations, by a principal executive officer at least of the level of vice president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;
  - (b) For a partnership, by a general partner;
  - (c) For a sole proprietorship, by the proprietor;
  - (d) For a municipal, state, or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee; and
  - (e) A certified statement from the permittee or his/her representative that all conditions of this certification have been met shall be submitted once their project has been completed.
28. Each and any report submitted in accordance with this Certification shall contain the following completed declaration:

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

Executed on the \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_.

\_\_\_\_\_  
\_\_\_\_\_  
(Signature)  
(Title)"

## ATTACHMENT B

### Conditions of Certification File No. 02-144 (2015 Renewal)

29. All communications regarding this project and submitted to this Regional Board shall identify the Project File Number **02-144 (2015 Renewal)**. Submittals shall be sent to the attention of the 401 Certification Unit.
30. 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.
31. 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.
32. *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.
  - (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.

## ATTACHMENT B

### Conditions of Certification File No. 02-144 (2015 Renewal)

33. 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.

**ATTACHMENT C**

**Los Angeles County Flood Control District**

**172 Debris Basins (Master List)**

**RWQCB - 172 DEBRIS BASINS (Master) LIST**  
**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT (rev. 7-30-14)**

	FACILITY	ADDRESS	USGS	Hydrologic Unit No.	Watershed Boundry Dataset (WBD)	LATITUDE	LONGITUDE	UPSTREAM CANYON WATERCOURSE
1	Aliso	18100 San Fernando Mission Rd., Granada Hills	Oat Mountain	405.13	180701040403	34 16'33"	118 31'32"	Aliso Creek
2	Arbor Dell (MTD 207 U02)	5400 Arbor Dell Pl, Eagle Rock	Pasadena	405.25	180701050402	34 08'50"	118 11'30"	Unnamed
3	Auburn	700 Auburn Avenue, Sierra Madre	Mount Wilson	405.33	180701050302	34 10'26"	118 03'20"	Unnamed
4	Avenue S Retention Basin (PD 2136)	9300 Ave S, Littlerock	Little Rock	403.55	180701020107	34 33'25"	117 57'40"	Desert Wash
5	Avenue T-8 Retention Basin (PD 2103)	4880 Ave T-8, Palmdale	Palmdale	403.55	180701020107	34 32'00"	118 02'25"	Walnut Creek
6	Bailey	700 Oakcrest Dr., Sierra Madre	Mount Wilson	405.33	180701050302	34 10'19"	118 03'29"	Bailey Canyon
7	<b>Bakerton (MTD 1548) - &lt;NEW&gt;</b>	<b>28268 Bakerton Ave, Santa Clarita</b>	<b>Mint Canyon</b>	<b>403.51</b>	<b>180701020403</b>	<b>34°26'09"</b>	<b>118°27'47"</b>	<b>Santa Clara River</b>
8	Beatty	500 Sierra Madre Ave., Azusa	Azusa	405.42	180701060601	34 08'52"	117 33'37"	Beatty Canyon
9	Bell Creek	6950 Valley Circle Blvd, West Hills	Calabasas	405.21	180701050208	31 12'00"	118 39'20"	Bell Creek
10	Big Briar (PD 638)	5400 Haskell St, La Canada-Flintridge	Pasadena	405.32	180701050209	34 13'26"	118 11'57"	Unnamed
11	Big Dalton	1000 Glendora Mt. Rd., Glendora	Glendora	405.41	180701050303	34 09'19"	117 50'00"	Big Dalton Canyon
12	Blanchard	6400 Day St, Tujunga	Sunland	405.24	180701050207	34 15'10"	118 16'12"	Blanchard Canyon
13	Blue Gum	10320 Haines Canyon Ave, Tujunga	Sunland	405.25	180701050402	34 15'20"	118 16'30"	Blum Gum Canyon
14	<b>Bowie (MTD1647) - &lt;NEW&gt;</b>	<b>4519 Bowie Ave, Claremont</b>	<b>MT Baldy</b>	<b>405.53</b>	<b>180701060501</b>	<b>34 08' 46"</b>	<b>117 42' 04"</b>	<b>Chicken Canyon</b>
15	Brace (MTD 266)	3440 Brace Canyon Rd, Burbank	Burbank	405.21	180701050208	34 12'52"	118 19'19"	Brace Canyon
16	Bracemar (MTD 266)	3361 North Lamer St, Burbank	Burbank	405.21	180701050208	34 12'50"	118 19'26"	Unnamed
17	Bradbury	72 Bliss Cyn Rd., Bradbury	Azusa	405.41	180701050303	34 09'21"	117 58'02"	Bradbury Canyon
18	Bramhall	18909 Bramhall Ln, Rowland Heights	La Habra	405.41	180701050303	33 58'00"	117 52'30"	Vernon Channel
19	Brand	1700 Brand Park Dr, Glendale	Burbank	405.21	180701050208	34 11'03"	118 16'31"	Brand Cyn
20	Buena Vista	1165 Norumbega Dr, Monrovia	Azusa	405.41	180701050303	34 09'45"	117 58'40"	Unnamed
21	<b>Caitlyn Circle (MTD 1589) - &lt;NEW&gt;</b>	<b>1369 Caitlyn Circle, Westlake Village</b>	<b>Point Dume</b>	<b>404.24</b>	<b>180701040104</b>	<b>34°07'21"</b>	<b>118°51'09"</b>	<b>Unnamed</b>
22	Calle Robleda (PD1505)	4900 Calle Robleda, Agoura Hills	Calabasas	404.23/404.22	180701040102	34 08'15"	118 44'20"	Liberty Canyon
23	Camp Plenty (PD 354)	27950 Camp Plenty Rd, Canyon Country	Mint Canyon	403.51	180701020106	34 25'50"	118 28'30"	Unnamed
24	Cardiff (PD 2097)	22350 Cardiff Dr, Saugus	Newhall	403.51	180701020403	34 24'15"	118 37'30"	Unnamed
25	Carriage House	1600 Winding Way, Pasadena	Mount Wilson	405.31	180701050301	34 10'33"	118 04'07"	Unnamed
26	Carter	600 N. Baldwin Ave., Sierra Madre	Mount Wilson	405.33	180701050302	34 10'26"	118 02'58"	Unnamed
27	Cassara	11500 Christy Ave, Sylmar	Sunland	405.23	180701050105	34 16'44"	118 21'23"	Cassara Canyon
28	Chamberlain	1400 Chamberlain Rd., Pasadena	Pasadena	405.15	180701040702	34 10'07"	118 10'51"	Unnamed
29	Chandler	9900 Roscoe Blvd, Sun Valley	Burbank	405.21	180701050208	34 13'24"	118 20'41"	Chandler Canyon
30	Childs	1790 Allen Ave, Glendale	Burbank	405.21	180701050208	34 11'20"	118 16'43"	Childs Canyon
31	Cloud Creek (PD 891)	2978 Hawkridge Dr, La Crescenta	Pasadena	405.24	180701050207	34 14'49"	118 14'34"	Unnamed
32	Cloudcroft	3400 Cloudcroft Dr, Malibu	Topanga	405.13	180701040403	34 02'57"	118 34'12"	Parker Canyon
33	Contento (MTD 1221)	1042 Calle Contento, Glendale	Pasadena	405.21	180701050208	34 10'15"	118 13'15"	Sycamore Canyon Channel
34	Cooks	5025 Boston Ave, Glendale	Burbank	405.24	180701050207	34 14'49"	118 15'42"	Cooks Canyon
35	Cooks M1-A	5026 Boston Ave, Glendale	Burbank	405.24	180701050207	34 14'56"	118 15'38"	Cooks Canyon
36	Copper Hill Line "B" (PD 1386)	Copper Hill Dr & Buckhorn Ln, Saugus	Mint Canyon	403.51	180701020106	34 27'40"	118 29'50"	Unnamed
37	Cordoba (PD 2284)	30530 Gibraltar Pl, Castaic	Val Verde	403.51	180701020306	34 28'40"	118 38'40"	Unnamed

**RWQCB - 172 DEBRIS BASINS (Master) LIST**  
**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT (rev. 7-30-14)**

	FACILITY	ADDRESS	USGS	Hydrologic Unit No.	Watershed Boundry Dataset (WBD)	LATITUDE	LONGITUDE	UPSTREAM CANYON WATERCOURSE
38	Crescent Glen	200 N. Crescent Glen Dr., Glendora	Glendora	405.41	180701050303	34 08'30"	117 49'15"	Oak Park Drain System
39	Crestview	12 Crestview Ct., Duarte	Azusa	405.41	180701050303	34 09'12"	117 56'53"	Unnamed
40	Crystal Springs #1 (PD 2223)	27130 Crystal Springs Rd., Canyon Country	Mint Canyon	403.51	180701020106	34 24'25"	118 24'30"	Unnamed
41	Deer	1290 Beaudry Blvd., Glendale	Pasadena	405.24	180701050207	34 11'35"	118 14'27"	Deer Creek
42	Denivelle	7710 Denivelle Road, Tujunga	Sunland	405.21	180701050208	34 16'20"	118 17'59"	Unnamed
43	Devonwood	505 Devonwood Rd., Altadena	Pasadena	405.15	180701040702	34 12'25"	118 07'49"	Unnamed
44	Dry Canyon -- South Fork	22820 Mulholland Hwy, Calabasas	Canoga Park	405.21	180701050208	34 08'10"	118 37'25"	Unnamed
45	Dunsmuir	5145 Dunsmore Ave, Glendale	Burbank	405.24	180701050207	34 14'51"	118 15'07"	Dunsmore Canyon
46	Eagle	2700 Harmony Pl, La Crescenta	Pasadena	405.24	180701050207	34 14'07"	118 14'09"	Eagle & Goss Canyon
47	Elmwood	1260 East Elmwood Ave, Burbank	Burbank	405.21	180701050208	34 11'27"	118 17'07"	Elmwood Canyon
48	Emerald - East	4854 emerald Avenue, La Verne	Glendora	405.63	180701060501	34 07'38"	117 45'53"	Unnamed
49	Englewild	4700 Englewild Dr., Glendora	Glendora	405.41	180701050303	34 09'32"	117 50'52"	Englewild Canyon
50	Fair Oaks	300 Loma Alta Dr., Altadena	Pasadena	405.32	180701050209	34 12'12"	118 08'23"	Unnamed
51	Fern	3500 Chaney Trail, Altadena	Pasadena	405.32	180701050209	34 12'13"	118 08'51"	Chiquita Canyon
52	Fieldbrook	18566 Fieldbrook St., Rowland Heights	La Habra	405.41	180701050303	33 57'51"	117 53'39"	Unnamed
53	Ft. Tejon (PD 2101)	4800 Essex Dr, Palmdale	Palmdale	403.55	180701020107	34 33'15"	118 02'30"	Desert Wash
54	Fullerton (PD 2202-U2)	2300 Fullerton Rd., Rowland Heights	La Habra	405.41	180701050303	33 58'0"	117 53'30"	San Jose Creek
55	Garnet Canyon (PD 2176) - <Renamed from PD2176 Line 'A' DB>	29090 High Sierra Trail, Saugus	Newhall	403.51	180701020403	34°28'33"	118°31'15"	Unnamed
56	Golf Club	3065 E. Chevy Chase Dr, Glendale	Pasadena	405.24	180701050207	34 10'10"	118 12'11"	Sycamore Canyon
57	Gooseberry	1600 Crest Drive, Altadena	Chico Flat	405.31/405.32	180701050301	34 20'30"	118 07'15"	Gooseberry Creek
58	Gordon	1900 E. Foothill Blvd., Glendora	Glendora	405.41	180701050303	34 08'29"	117 49'42"	Gordon Canyon
59	Goss Inlet (PD 503)	2550 Rockdell St, La Crescenta	Pasadena	405.32	180701050209	34 14'15"	118 13'15"	Goss Canyon
60	Gould	800 Green Ln, La Canada-Flintridge	Pasadena	405.32	180701050209	34 12'54"	118 11'33"	Gould Canyon
61	Gould Upper (PD 655)	Cul De Sac of Lone Grove Wy, La Canada-Flintridge	Pasadena	405.32	180701050209	34 13'24"	118 11'33"	Gould Canyon
62	Green Hill #1 (PD 1974)	32200 Green Hill Dr, Castaic	Warm Springs	403.51	180701020306	34 30'00"	118 37'45"	Unnamed
63	Green Hill #2 (PD 1974)	28410 Avion Ct, Castaic	Warm Springs	403.51	180701020306	34 30'10"	118 37'50"	Unnamed
64	Greensbrier (PD 2495)	24800 Greensbrier Drive, Stevenson Ranch	Oat Mountain	403.51/405.21	180701020403	34°22'13"	118°35'35"	Dewitt Canyon
65	Halls	2100 Cross St, La Canada-Flintridge	Pasadena	405.24	180701050207	34 13'20"	118 13'15"	Hall Beckley Canyon
66	Harbor Blvd. (PD2202-U2)	3500 Harbor Blvd., Rowland Heights	La Habra	405.41	180701050303	35 58'00"	117 54'00"	San Jose Creek
67	Harrow	4800 Easley Canyon Rd., Glendora	Glendora	405.41	180701050303	34 09'23"	117 51'40"	Harrow Canyon
68	Harter Lane (PD 222)	5400 Harter Ln, La Canada-Flintridge	Pasadena	405.32	180701050209	34 13'30"	118 11'45"	Harter Canyon
69	Haven Way (MTD 1008)	3630 Haven Wy, Burbank	Burbank	405.21	180701050208	34 12'38"	118 19'09"	McClure Canyon
70	Hay	1235 El Vago St, La Canada-Flintridge	Pasadena	405.32	180701050209	34 13'26"	118 12'16"	Hay Canyon
71	Hazel Nut (PD 2488)	1900 Hazel Nut Ct, Agoura	Point Dume	404.24	180701040104	34 6'25"	118 47'17"	Unnamed
72	Hillcrest	1800 Hillcrest Ave, Glendale	Burbank	405.21	180701050208	34 10'43"	118 15'54"	Hillcrest & Sherer Canyon
73	Hillman	2332 Hillman Lane, Rowland Heights	La Habra	405.41	180701050303	33 58'30"	117 53'00"	San Jose Creek
74	Hipshot (PD 1683 U01)	31675 Hipshot Dr, Castaic	Newhall	403.51	180701020306	34 29'10"	118 37'30"	Unnamed
75	Hog	15455 Glenoaks Blvd, Sylmar	San Fernando	405.21	180701050208	34 19'50"	118 27'50"	Hog Canyon

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	FACILITY	ADDRESS	USGS	Hydrologic Unit No.	Watershed Boundry Dataset (WBD)	LATITUDE	LONGITUDE	UPSTREAM CANYON WATERCOURSE
76	Hook-East	9200 Sierra Madre Ave., Glendora	Azusa	405.41	180701050303	34 09'12"	117 52'35"	Unnamed
77	Hook-West	9201 Sierra Madre Ave., Glendora	Azusa	405.41	180701050303	34 09'13"	117 52'44"	Unnamed
78	Inverness	1377 Edgehill Place, Pasadena	Pasadena	405.32	180701050209	34 10'40"	118 10'51"	Unnamed
79	Irving (MTD 329)	940 Irving Dr, Burbank	Burbank	405.21	180701050208	34 12'26"	118 19'15"	Unnamed
80	Kinneloa-East	2300 Kinneloa Canyon Road	Mount Wilson	405.41	180701050303	34 10'59"	118 04'58"	Unnamed
81	Kinneloa-West	2300 Brambling Lane, Unincorporated	Mount Wilson	405.41	180701050303	34 11'04"	118 05'05"	Unnamed
82	Knoll (PD 2279)	28450 Knoll Ct, Castaic	Val Verde	403.51	180701020306	34 28'00"	118 38'00"	Unnamed
83	La Salle (PD 1358)	23700 La Salle Canyon Dr, Santa Clarita	Oat Mountain	403.51	180701020403	34 21'40"	118 33'00"	Unnamed
84	La Tuna	9050 La Tuna Canyon Rd, Sun Valley	Burbank	405.21	180701050208	34 14'12"	118 19'37"	La Tuna Canyon
85	<b>Laguna Retention Basin &lt;NEW&gt;</b>	<b>1255 Coporate Center Dr., Monterey Park</b>	<b>Los Angeles</b>	<b>405.15</b>	<b>180701040702</b>	<b>34 02' 47"</b>	<b>118 10' 04"</b>	<b>Unnamed</b>
86	Lannan	2701 Santa Anita Avenue, Sierra Madre	Mount Wilson	405.41	180701050303	34 10'56"	118 01'56"	Unnamed
87	Las Flores	3200 Rubio Canyon Rd., Altadena	Pasadena	405.41	180701050303	34 12'32"	118 07'32"	Las Flores Canyon
88	Las Lomas	50 Las Lomas Road, Duarte	Azusa	405.41	180701050303	34 09'14"	117 56'40"	Unnamed
89	Limekiln	10500 Tunney Ave, Los Angeles	Oat Mountain	405.21	180701050208	34 15'38"	118 33'25"	Limekiln Canyon
90	Lincoln	600 Loma Alta Drive, Altadena	Pasadena	405.32	180701050209	34 12'10"	118 09'22"	Unnamed/West Ravine Cyn
91	Linda Vista	3200 Linda Vista Rd, Glendale	Pasadena	405.24	180701050207	34 10'14"	118 11'54"	Unnamed
92	Little Dalton	110 Glendora Mountain Rd, Glendora	Glendora	405.41	180701050303	34 09'25"	117 50'14"	Little Dalton Canyon
93	Lopez Inlet	12000 Paxton St, Lake View Terrace	San Fernando	405.21	180701050208	34 17'30"	118 24'15"	Lopez Canyon
94	Maddock	400 Vineyard Avenue, Duarte	Azusa	405.43	180701060204	34 09'16"	117 57'03"	Maddock Canyon
95	May #1	13500 Fritz Ln, Sylmar	San Fernando	405.21	180701050208	34 19'52"	118 25'42"	May Canyon
96	May #2	13500 Fritz Ln, Sylmar	San Fernando	405.21	180701050208	34 19'48"	118 25'38"	Unnamed
97	Montana (MTD 510)	530 South Via Montana, Burbank	Burbank	405.21/405.24	180701050210	34 12'00"	118 17'25"	Story Canyon
98	Monument	23746 Monument Cyn Dr., Diamond Bar	San Dimas	405.41	180701050303	34 00'05"	117 48'10"	Unnamed
99	<b>Mount Baldy Upper (MTD1647) &lt;NEW&gt;</b>	<b>Mt. Baldy Rd (South of Fergus Falls)</b>	<b>Claremont</b>	<b>405.53</b>	<b>180701060501</b>	<b>34 09' 11"</b>	<b>117 41' 13"</b>	<b>Chicken Canyon</b>
100	<b>Mount Baldy Lower (MTD1647) &lt;NEW&gt;</b>	<b>Mt. Baldy Rd (South of Fergus Falls)</b>	<b>Claremont</b>	<b>405.53</b>	<b>180701060501</b>	<b>34 09' 07"</b>	<b>117 42' 17"</b>	<b>Chicken Canyon</b>
101	<b>Moon Dust (PD 2544) - &lt;NEW&gt;</b>	<b>29250 Moon Dust Ct, Saugus</b>	<b>Newhall</b>	<b>403.51</b>	<b>180701020403</b>	<b>34 28'38"</b>	<b>118 31'07"</b>	<b>Unnamed</b>
102	Morgan	2100 Vallant Street, Glendora	Glendora	405.24	180701050207	34 08'28"	117 49'10"	Morgan Canyon
103	Mountbatten (MTD 767 U02)	1150 Mountbatten Dr, Glendale	Pasadena	405.21/405.24	180701050210	34 10'39"	118 14'25"	Unnamed
104	Mull	1800 North Gordon Rd., Glendora	Glendora	405.41	180701050303	34 08'27"	117 49'36"	Mull Canyon
105	Mullally (PD 274)	2000 Manistee Dr, La Canada-Flintridge	Pasadena	405.24	180701050207	34 14'28"	118 13'14"	Mullally Canyon
106	Mustang (PD 2049)	32350 Mustang Dr, Castaic	Val Verde	403.51	180701020306	34 30'00"	118 38'00"	Unnamed
107	Nichols	1920 Nichols Canyon Rd, Los Angeles	Hollywood	405.24	180701050207	34 06'23"	118 21'31"	Nichols Canyon
108	<b>Newhall Ranch (MTD 1718) &lt;NEW&gt;</b>	<b>28400 Newhall Ranch Rd.</b>	<b>Newhall</b>	<b>403.51</b>	<b>180701020403</b>	<b>34 26' 32"</b>	<b>118 35' 25"</b>	<b>Unnamed</b>
109	Oak (MTD 864)	5324 Quail Canyon Rd, Glendale	Pasadena	405.24	180701050207	34 14'40"	118 14'45"	Unnamed
110	Oak Park	2357 Oak Park Rd., Glendora	Glendora	405.41	180701050303	34 08'30"	117 49'15"	Oak Park Drain System
111	Oakdale (PD 2389)	26500 Oakdale Canyon Ln, Canyon Country	Minif Canyon	403.51	180701020106	34 23'52"	118 27'17"	Unnamed
112	Oakglade	900 Ridgeside Drive, Monrovia	Azusa	405.41	180701050303	34 10'25"	117 59'39"	Unnamed

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	FACILITY	ADDRESS	USGS	Hydrologic Unit No.	Watershed Boundry Dataset (WBD)	LATITUDE	LONGITUDE	UPSTREAM CANYON WATERCOURSE
113	Oakmont (MTD 806)	2940 Oakmont View Dr, Glendale	Pasadena	405.24	180701050207	34 12'14"	118 14'23"	Unnamed
114	Oliver	11300 Dominica Ave, Lake View Terrace	Sunland	405.21	180701050208	34 16'34"	118 20'52"	Oliver Canyon
115	Padua Upper (MTD1647) <NEW>	Padua Ave./South of Applachian Ave.	Claremont	405.44	180701060401	34 09' 11"	117 41' 38"	Chicken Canyon
116	Padua Middle (MTD1647) <NEW>	Padua Ave./South of Applachian Ave.	Claremont	405.44	180701060401	34 09' 07"	117 41' 53"	Chicken Canyon
117	Padua Lower (MTD1647) <NEW>	Padua Ave./South of Applachian Ave.	Claremont	405.44	180701060401	34 09' 00"	117 41' 53"	Chicken Canyon
118	Pickens	4628 Briggs St, La Crescenta	Pasadena	405.24	180701050207	34 13'16"	118 13'43"	Pickens Canyon
119	Pinelawn (PD 1053)	2850 Pinelawn Dr, La Crescenta	Pasadena	405.24	180701050207	34 13'16"	118 13'43"	Unnamed
120	Rolling Ridge (PD 2176) <NEW>	22050 Rolling Ridge Dr, Santa Clarita	Newhall	403.51	180701020403	34 23'24"	118 31'24"	Unnamed
121	Rowley	10720 Las Lunitas Ave., Tujunga	Sunland	405.24	180701050207	31 15'50"	118 17'25"	Rowley Canyon
122	Rowley Upper	10890 Amidon Pl, Tujunga	Sunland	405.24	180701050207	34 16'05"	118 17'08"	Rowley Canyon
123	Royal Terminus (PD 1920)	28410 Royal Rd, Castaic	Newhall	403.51	180701020306	34 29'30"	118 37'45"	Unnamed
124	Rubio	3200 Rubio Canyon Rd., Altadena	Mt. Wilson	405.41	180701050303	34 11'56"	118 07'19"	Rubio Canyon
125	Ruby Lower	300 Scenic Drive, Monrovia	Azusa	405.41	180701050303	34 09'51"	117 39'54"	Ruby Canyon
126	Saddleback #1 (PD 2247)	15230 Saddleback Rd, Santa Clarita	Mint Canyon	403.51	180701020106	34 23'30"	118 24'00"	Unnamed
127	Saddleback #2 (PD 2247)	15200 Saddleback Rd, Santa Clarita	Mint Canyon	403.51	180701020106	34 24'00"	118 24'00"	Unnamed
128	Saddleback #3 (PD 2247)	15200 Saddleback Rd, Santa Clarita	Mint Canyon	403.51	180701020106	34 23'30"	118 24'00"	Unnamed
129	Sagecrest (PD 2537) - <NEW>	30050 & 30062 Sagecrest Way, Castaic	Val Verde	403.41	180701020403	34 27' 45"	118 40'2"	Unnamed
130	Santa Anita	2000 Oak Place, Arcadia	Mount Wilson	405.33	180701050302	34 10'14"	118 01'16"	Santa Anita Canyon
131	Sawpit	700 North Canyon Road, Monrovia	Azusa	405.41	180701050303	34 10'05"	117 59'05"	Sawpit/Monrovia/Spanish Cyn
132	Schoolhouse	14500 Olive View Dr, Sylmar	San Fernando	405.22	180701050205	34 19'32"	118 27'29"	Schoolhouse Canyon
133	Schwartz	9825 Foothill Blvd, Sylmar	Sunland	405.21	180701050208	34 16'32"	118 20'32"	Schwartz Canyon
134	Shadow (PD 2099)	29000 Shadow Valley Ln, Saugus	Mint Canyon	403.51	180701020106	34 28'12"	118 29'24"	Unnamed
135	Shields	5300 La Crescenta Ave, La Crescenta	Pasadena	405.24	180701050207	34 14'23"	118 14'22"	Shields Canyon
136	Shields Upper (PD 769)	5670 Pine Cone Rd, La Crescenta	Pasadena	405.24	180701050207	34 14'52"	118 14'15"	Shields Canyon
137	Sierra Madre Dam	900 Brookside Lane, Sierra Madre	Mount Wilson	405.31	180701050301	34 10'34"	118 02'31"	Little Santa Anita Canyon
138	Sierra Madre Villa	1150 Sierra Madre Villa Ave., Pasadena	Mount Wilson	405.33	180701050302	34 10'16"	118 04'36"	Pasadena Glen/Hastings Cyn
139	Skyridge (MTD 1317)	5190 Sky Ridge Dr, Glendale	Burbank	405.21	180701050208	34 14'50"	118 15'40"	Unnamed
140	Sloan (PD 1726)	5850 Sloan Pl, Calabasas	Calabasas	404.22	180701040103	34 10'10"	118 41'45"	Gates Canyon
141	Snover	5250 Escalante Dr, La Canada-Flintridge	Pasadena	405.32	180701050209	34 13'48"	118 13'22"	Snover Canyon
142	Sombrero	Cul De Sac of Sombrero Cyn Rd, Sylmar	San Fernando	405.22	180701050205	34 19'52"	118 28'07"	Sombrero Canyon
143	Spinks	17 Woodlyn Land, Bradbury	Azusa	405.41	180701050303	34 09'06"	117 37'42"	Spinks Canyon
144	Starfall (PD 1081)	2700 Starfall Dr, La Crescenta	Pasadena	405.24	180701050207	34 14'47"	118 14'11"	Eagle Canyon
145	Stetson	13877 Glenoaks Blvd, Sylmar	San Fernando	405.22	180701050205	34 19'41"	118 28'27"	Unnamed
146	Stevenson Ranch (PD 2528)	25305 Pico Canyon Rd, Stevenson Ranch	Newhall	403.51	180701020403	34 22'53"	118 34'56"	Pico Canyon
147	Stough	1150 Walnut Ave, Burbank	Burbank	405.21	180701050208	34 12'00"	118 18'09"	Stough Canyon
148	Stratford (PD 2097)	25450 Stratford Dr, Saugus	Newhall	403.51	180701020403	34 24'00"	118 37'40"	Oakdale Canyon
149	Sturtevant	500 Lotus Lane, Sierra Madre	Mount Wilson	405.33	180701050302	34 10'18"	118 02'22"	Unnamed
150	Sullivan	2200 Queensferry Rd, Los Angeles	Topanga	405.13	180701040403	34 04'24"	118 30'26"	Sullivan Canyon

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	FACILITY	ADDRESS	USGS	Hydrologic Unit No.	Watershed Boundry Dataset (WBD)	LATITUDE	LONGITUDE	UPSTREAM CANYON WATERCOURSE
151	Sunnyside	4100 Park Vista Dr., Pasadena	Mount Wilson	405.33	180701050302	34 10'26"	118 03'52"	Unnamed
152	Sunset Canyon-Deer Canyon	1270 Country Club Dr, Burbank	Burbank	405.21	180701050208	34 12'05"	118 17'10"	Deer Canyon
153	Sunset Lower	455 Country Club Dr, Burbank	Burbank	405.21	180701050208	34 11'09"	118 17'04"	Sunset Canyon
154	Sunset Upper	1500 Country Club Dr, Burbank	Burbank	405.21	180701050208	34 12'18"	118 17'03"	Sunset Canyon
155	Thousand Oaks (PD 1726)	25800 Thousand Oaks Blvd, Calabasas	Calabasas	404.22	180701040103	34 10'00"	118 41'50"	Unnamed
156	Turnbull	13600 Turnbull Canyon Road, Whittier	Whittier	405.41	180701050303	33 59'15"	118 01'35"	Turnbull Canyon
157	Valley Glen (PD 2537) - <NEW>	30005 & 30015 Valley Glen St., Castaic	Val Verde	403.41	180701020403	34 27' 50"	118 40' 19"	Unnamed
158	Verdugo	3500 La Crescenta Ave, Glendale	Pasadena	405.24	180701050207	34 12'06"	118 14'09"	Verdugo Wash
159	Victoria (PD 2275)	28632 Victoria Rd, Castaic	Whittier Peak	403.42	180701020603	34 30'20"	118 38'10"	Unnamed
160	Ward	3145 Markridge Rd, Glendale	Pasadena	405.24	180701050207	34 14'39"	118 14'52"	Ward Canyon
161	Wedgewood (PD 2467)	Cul De Sac of W. Wedgewood Ct, Castaic	Newhall	403.51	180701020306	34 28'00"	118 37'10"	Villa Canyon
162	Wellington (PD 2202 UIII)	1792 Harbor Blvd, La Habra heights	La Habra	405.41	180701050303	33 57' 26"	117 55' 13"	Unnamed
163	West Ravine	3600 Chaney Trail, Altadena	Pasadena	405.32	180701050209	34 12'18"	118 08'51"	Unnamed
164	Westridge	1000 Westridge Avenue, Glendora	Glendora	405.41	180701050303	34 09'01"	117 52'15"	Unnamed
165	Whitney (PD 2444)	30530 Whitney Dr, Castaic	Val Verde	403.51	180701020306	34 28'30"	118 38'30"	Villa Canyon
166	Wilbur	19000 Nordhoff Ave, Northridge	Canoga Park	405.21	180701050208	34 13'45"	118 32'45"	Allso & Wilbur Canyon
167	Wildwood (PROJ 1222)	23145 Davey Ave, Newhall	Oat Mountain	403.51	180701020403	34 22'06"	118 31'56"	Wildwood Canyon
168	William S. Hart Park (RDD 341)	22900 Market St, Newhall	Oat Mountain	403.51	180701020403	34 22'27"	118 31'42"	Unnamed
169	Wilson	14301 Saranac Dr, Sylmar	San Fernando	405.21	180701050208	34 19'46"	118 26'41"	Wilson Canyon
170	Winery	1409 El Vago St, La Canada-Flintridge	Pasadena	405.32	180701050209	34 13'30"	118 12'33"	Winery Canyon
171	Yucca (PD 2157)	30570 Yucca Pl, Castaic	Newhall	403.51	180701020306	34 28'12"	118 37'12"	Unnamed
172	Zachau	10905 Sevenhills Dr, Tujunga	Sunland	405.23	180701050105	34 16'02"	118 17'25"	Zachau Canyon

Label:

Text	Facilities added or name changed since 2008
Text	Current facilities

## ATTACHMENT D

Los Angeles County Flood Control District  
172 Debris Basins, Beneficial Uses

**RWQCB - 172 DEBRIS BASINS Beneficial Uses**  
**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT (rev. 7-30-14)**

	FACILITY	Beneficial Uses	Watershed Boundry Dataset (WBD)	UPSTREAM CANYON WATERCOURSE
1	Aliso	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701040403	Aliso Creek
2	Arbor Dell (MTD 207 U02)	MUN, REC-1, and WARM	180701050402	Unnamed
3	Auburn	MUN, GWR, REC-1, REC-2, WARM, WILD and RARE	180701050302	Unnamed
4	Avenue S Retention Basin (PD 2136)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, and RARE;	180701020107	Desert Wash
5	Avenue T-8 Retention Basin (PD 2103)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, and RARE	180701020107	Walnut Creek
6	Bailey	MUN, GWR, REC-1, REC-2, WARM, WILD and RARE	180701050302	Bailey Canyon
7	Bakerton (MTD 1548) - <NEW>	MUN, IND, PDOC, AGR, GWR, FRSH, POW, REC-1, REC-2, WARM, COLD, WILD, MIGR, SPWN, and W	180701020403	Santa Clara River
8	Beatty	MUN, IND, PROC, AGR, GWR, REC-1, REC-2, WARM, COLD, WILD and RARE	180701060601	Beatty Canyon
9	Bell Creek	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050208	Bell Creek
10	Big Briar (PD 638)	MUN, IND, PROC, GWR, REC-1, REC-2, WARM, COLD, WILD and WET	180701050209	Unnamed
11	Big Dalton	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Big Dalton Canyon
12	Blanchard	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Blanchard Canyon
13	Blue Gum	MUN, GWR, REC-1, REC-2, WARM, WILD and RARE	180701050402	Blum Gum Canyon
14	Bowie (MTD1647) - <NEW>	MUN, GWR, REC-1, REC-2, WARM, WILD	180701060501	Chicken Canyon
15	Brace (MTD 266)	MUN, REC-1, REC-2, WARM, and WILD	180701050208	Brace Canyon
16	Bracemar (MTD 266)	MUN, REC-1, REC-2, WARM, and WILD	180701050208	Unnamed
17	Bradbury	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Bradbury Canyon
18	Bramhall	MUN, GWR, REC1, REC2, WARM, WILD, BIOL, RARE, and WET	180701050303	Vernon Channel
19	Brand	MUN, REC-1, REC-2, WARM, and WILD	180701050208	Brand Cyn
20	Buena Vista	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Unnamed
21	Caitlyn Circle (MTD 1589) - <NEW>	MUN, IND, PDOC, AGR, GWR, FRSH, POW, REC-1, REC-2, WARM, COLD, WILD, MIGR, SPWN, and W	180701040104	Unnamed
22	Calle Robleda (PD1505)	MUN, REC1, REC2, WARM, COLD, WILD, RARE, MIGR and SPWN	180701040102	Liberty Canyon
23	Camp Plenty (PD 354)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD, RARE and WET	180701020106	Unnamed
24	Cardiff (PD 2097)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD, RARE and WET	180701020403	Unnamed
25	Carriage House	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050301	Unnamed
26	Carter	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050302	Unnamed
27	Cassara	MUN, GWR, REC-1, REC-2, WARM, COLD, WILD and RARE	180701050105	Cassara Canyon
28	Chamberlain	MUN, REC-1, REC-2, WARM, and WILD	180701040702	Unnamed
29	Chandler	MUN, REC-1, REC-2, WARM, and WILD	180701050208	Chandler Canyon
30	Childs	MUN, REC-1, REC-2, WARM, and WILD	180701050208	Childs Canyon
31	Cloud Creek (PD 891)	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Unnamed
32	Cloudcroft	MUN, REC-1, REC-2, WARM, and WILD	180701040403	Parker Canyon
33	Contento (MTD 1221)	MUN, IND, GWR, REC1, REC2, WARM, WILD, WET	180701050208	Sycamore Canyon Channel
34	Cooks	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Cooks Canyon
35	Cooks M1-A	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Cooks Canyon
36	Copper Hill Line 'B' (PD 1386)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, COLD, WILD, SPWN and WET	180701020106	Unnamed
37	Cordoba (PD 2284)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, and RARE	180701020306	Unnamed
38	Crescent Glen	MUN, GWR, REC1, REC2, WARM, and WILD	180701050303	Oak Park Drain System
39	Crestview	MUN, GWR, REC-1, REC-2, WARM, WILD, and WET	180701050303	Unnamed
40	Crystal Springs #1 (PD 2223)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, and RARE	180701020106	Unnamed
41	Deer	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Deer Creek
42	Deniville	MUN, GWR, REC-1, REC-2, WARM, COLD WILD, and RARE	180701050208	Unnamed

**RWQCB - 172 DEBRIS BASINS Beneficial Uses**  
**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT (rev. 7-30-14)**

	FACILITY	Beneficial Uses	Watershed Boundry Dataset (WBD)	UPSTREAM CANYON WATERCOURSE
43	Devonwood	MUN, REC-1, REC-2, WARM, and WILD	180701040702	Unnamed
44	Dry Canyon - South Fork	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701080208	Unnamed
45	Dunsmuir	MUN, IND, PROC, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Dunsmore Canyon
46	Eagle	MUN, IND, PROC, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Eagle & Goss Canyon
47	Elmwood	MUN, REC-1, REC-2, WARM, and WILD	180701060208	Elmwood Canyon
48	Emerald - East	MUN, GWR, FRSH, REC-1, REC-2, WARM, and WILD	180701060501	Unnamed
49	Englewild	MUN, REC-1, REC-2, WARM, and WILD	180701050303	Englewild Canyon
50	Fair Oaks	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050209	Unnamed
51	Fern	UN, GWR, REC-1, REC-2, WARM, and WILD	180701050209	Chiquita Canyon
52	Fieldbrook	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Unnamed
53	Ft. Tejon (PD 2101)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD and RARE	180701020107	Desert Wash
54	Fullerton (PD 2202-U2)	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050303	San Jose Creek
55	Garnet Canyon (PD 2176)	MUN, IND, PDOC, AGR, GWR, FRSH, POW, REC-1, REC-2, WARM, COLD, WILD, MIGR, SPWN, and W	180701020403	Unnamed
56	Golf Club	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050207	Sycamore Canyon
57	Gooseberry	MUN, GWR, REC1, REC2, WARM and WILD	180701050301	Gooseberry Creek
58	Gordon	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701060303	Gordon Canyon
59	Goss Inlet (PD 503)	MUN, IND, PROC, GWR, REC1, REC2, WARM, COLD, WILD and WET	180701050209	Goss Canyon
60	Gould	MUN, IND, PROC, GWR, REC1, REC2, WARM, COLD, WILD and WET	180701050209	Gould Canyon
61	Gould Upper (PD 655)	MUN, IND, PROC, GWR, REC-1, REC-2, WARM, COLD, WILD and WET	180701050209	Gould Canyon
62	Green Hill #1 (PD 1974)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, and RARE	180701020306	Unnamed
63	Green Hill #2 (PD 1974)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD, and RARE	180701020306	Unnamed
64	Greensbrier (PD 2495)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD and RARE	180701020403	Dewitt Canyon
65	Halls	MUN, IND, PROC, GWR, REC-1, REC-2, WARM, and WILD;	180701060207	Hall Beckley Canyon
66	Harbor Blvd. (PD2202-U2)	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050303	San Jose Creek
67	Harrow	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Harrow Canyon
68	Harter Lane (PD 222)	MUN, IND, PROC, GWR, REC1, REC2, WARM, COLD, WILD and WET	180701050209	Harter Canyon
69	Haven Way (MTD 1008)	MUN, REC-1, REC-2, WARM, and WILD	180701050208	McClure Canyon
70	Hay	MUN, IND, PROC, GWR, REC-1, REC-2, WARM, COLD, WILD and WET	180701050209	Hay Canyon
71	Hazel Nut (PD 2488)	MUN, GWR, REC1, REC2, WARM, WILD, and WET	180701040104	Unnamed
72	Hillcrest	MUN, REC-1, REC-2, WARM, and WILD	180701050208	Hillcrest & Sherer Canyon
73	Hillman	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050303	San Jose Creek
74	Hipshot (PD 1683-U01)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD and RARE	180701020306	Unnamed
75	Hog	MUN, GWR, REC-1, REC-2, WARM, COLD and WILD	180701050208	Hog Canyon
76	Hook-East	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Unnamed
77	Hook-West	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Unnamed
78	Inverness	MUN, IND, PROC, GWR, REC-1, REC-2, WARM, COLD WILD, and WET	180701050209	Unnamed
79	Irving (MTD 329)	MUN, REC-1, REC-2, WARM, and WILD	180701050208	Unnamed
80	Kinneloa-East	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Unnamed
81	Kinneloa-West	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Unnamed
82	Knoll (PD 2279)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD, and RARE	180701020306	Unnamed
83	La Salle (PD 1358)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD, RARE and WET	180701020403	Unnamed
84	La Tuna	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050208	La Tuna Canyon

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	FACILITY	Beneficial Uses	Watershed Boundry Dataset (WBD)	UPSTREAM CANYON WATERCOURSE
85	Laguna Retention Basin <NEW>	MUN, IND, GWR, REC-1, REC-2, WARM, WILD	80701050402	Unnamed
86	Lanran	MUN, GWR, REC-1, REC-2, WARM, WILD and RARE;	180701050303	Unnamed
87	Las Flores	MUN, GWR, REC-1, REC-2 and WARM	180701050303	Las Flores Canyon
88	Las Lomas	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050303	Unnamed
89	Limekiln	MUN, GWR, REC-1, REC-2, WARM and WILD	180701060208	Limekiln Canyon
90	Lincoln	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050209	Unnamed/West Ravine Cyn.
91	Linda Vista	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050207	Unnamed
92	Little Dalton	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050303	Little Dalton Canyon
93	Lopez Inlet	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050208	Lopez Canyon
94	Maddock	MUN, GWR, REC-1, REC-2, WARM and WILD	180701060204	Maddock Canyon
95	May #1	MUN, GWR, REC-1, REC-2, WARM, WILD and RARE	180701050208	May Canyon
96	May #2	MUN, GWR, REC-1, REC-2, WARM, WILD and RARE	180701050208	Unnamed
97	Montana (MTD 510)	MUN, IND, GWR, REC-1, REC-2, WARM and WILD	180701050210	Story Canyon
98	Monument	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050303	Unnamed
99	Mount Baldy Upper (MTD1647) <NEW>	MUN, GWR, REC-1, REC-2, WARM and WILD	180701060501	Chicken Canyon
100	Mount Baldy Lower (MTD1647) <NEW>	MUN, GWR, REC-1, REC-2, WARM and WILD	180701060501	Chicken Canyon
101	Moon Dust (PD 2544) - <NEW>	MUN, IND, PDOC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD and RARE	180701020403	Unnamed
102	Morgan	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050207	Morgan Canyon
103	Mounitbatten (MTD 787 U02)	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050210	Unnamed
104	Mull	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050303	Mull Canyon
105	Mullally (PD 274)	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050207	Mullally Canyon
106	Mustang (PD 2049)	MUN, IND, PDOC, AGR, GWR, FRSH, POW, REC-1, REC-2, WARM, COLD, WILD, MIGR, SPWN and WE	180701020306	Unnamed
107	Nichols	MUN, REC-1, REC-2, WARM and WILD	180701050207	Nichols Canyon
108	Newhall Ranch (MTD 1718) <NEW>	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD and RARE	180701020403	Unnamed
109	Oak (MTD 864)	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Unnamed
110	Oak Park	MUN, GWR, REC1, REC2, WARM and WILD	180701050303	Oak Park Drain System
111	Oakdale (PD 2389)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, COLD, WILD, SPWN and WET	180701020106	Unnamed
112	Oakglade	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Unnamed
113	Oakmont (MTD 806)	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Unnamed
114	Oliver	MUN, GWR, REC-1, REC-2, WARM, COLD and WILD	180701050208	Oliver Canyon
115	Padua Upper (MTD1647) <NEW>	MUN, GWR, REC-1, REC-2, WARM, COLD, WILD and WET	180701060401	Chicken Canyon
116	Padua Middle (MTD1647) <NEW>	MUN, GWR, REC-1, REC-2, WARM, COLD, WILD and WET	180701060401	Chicken Canyon
117	Padua Lower (MTD1647) <NEW>	MUN, GWR, REC-1, REC-2, WARM, COLD, WILD and WET	180701060401	Chicken Canyon
118	Pickens	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Pickens Canyon
119	Pinelawn (PD 1053)	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Unnamed
120	Rolling Ridge (PD 2176) <NEW>	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD, RARE and WET	180701020403	Unnamed
121	Rowley	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Rowley Canyon
122	Rowley Upper	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050207	Rowley Canyon
123	Royal Terminus (PD 1920)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD and RARE	180701020306	Unnamed
124	Rubio	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Rubio Canyon
125	Ruby Lower	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050303	Ruby Canyon

**RWQCB - 172 DEBRIS BASINS Beneficial Uses**  
**LOS ANGELES COUNTY FLOOD CONTROL DISTRICT (rev. 7-30-14)**

	FACILITY	Beneficial Uses	Watershed Boundry Dataset (WBD)	UPSTREAM CANYON WATERCOURSE
126	Saddleback #1 (PD 2247)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD and RARE	180701020106	Unnamed
127	Saddleback #2 (PD 2247)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD and RARE	180701020106	Unnamed
128	Saddleback #3 (PD 2247)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD and RARE	180701020106	Unnamed
129	Sagecrest (PD 2537) - <NEW>	MUN, IND, PROC, AGR, FRSH, REC-1, REC-2, WARM, COLD, WILD, RARE and SPWN	180701020403	Unnamed
130	Santa Anita	MUN, GWR, REC-1, REC-2, WARM, WILD and RARE	180701050302	Santa Anita Canyon
131	Sawpit	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050303	Sawpit/Monrovia/Spanish Cyn
132	Schoolhouse	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050205	Schoolhouse Canyon
133	Schwartz	MUN, GWR, REC-1, REC-2, WARM, COLD and WILD	180701050208	Schwartz Canyon
134	Shadow (PD 2099)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, COLD, WILD, SPWN and WET	180701020106	Unnamed
135	Shields	MUN, IND, PROC, GWR, REC-1, REC-2, WARM and WILD	180701050207	Shields Canyon
136	Shields Upper (PD 769)	MUN, IND, PROC, GWR, REC-1, REC-2, WARM and WILD	180701050207	Shields Canyon
137	Sierra Madre Dam	MUN, IND, PROC, GWR, REC-1, REC-2, WARM and WILD	180701050301	Little Santa Anita Canyon
138	Sierra Madre Villa	MUN, GWR, REC-1, REC-2, WARM, and WILD;	180701050302	Pasadena Glen/Hastings Cyn
139	Skyridge (MTD 1317)	MUN, IND, GWR, REC1, REC2, WARM, WILD and WET	180701050208	Unnamed
140	Sloan (PD 1726)	MUN, REC-1, REC-2, WARM, COLD, WILD, MIGR, SPWN and WET	180701040103	Gates Canyon
141	Snover	MUN, IND, PROC, GWR, REC-1, REC-2, WARM and WILD	180701050209	Snover Canyon
142	Sombrero	MUN, GWR, REC-1, REC-2, WARM, COLD, WILD, RARE, SPWN and WET	180701050205	Sombrero Canyon
143	Spinks	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050303	Spinks Canyon
144	Starfall (PD 1081)	MUN, GWR, REC-1, REC-2, WARM, COLD and WILD	180701050207	Eagle Canyon
145	Stetson	MUN, GWR, REC-1, REC-2, WARM, COLD, WILD, RARE, SPWN and WET	180701050205	Unnamed
146	Stevenson Ranch (PD 2528)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, WILD and RARE	180701020403	Pico Canyon
147	Stough	MUN, REC-1, REC-2, WARM and WILD	180701050208	Stough Canyon
148	Stratford (PD 2097)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD, RARE and WET	180701020403	Oakdale Canyon
149	Sturtevant	MUN, GWR, REC-1, REC-2, WARM, WILD and RARE	180701050302	Unnamed
150	Sullivan	MUN, REC-1, REC-2, WARM and WILD	180701040403	Sullivan Canyon
151	Sunnyside	MUN, GWR, REC-1, REC-2, WARM, and WILD	180701050302	Unnamed
152	Sunset Canyon-Deer Canyon	MUN, REC-1, REC-2, WARM and WILD	180701050208	Deer Canyon
153	Sunset Lower	MUN, REC-1, REC-2, WARM and WILD	180701050208	Sunset Canyon
154	Sunset Upper	MUN, REC-1, REC-2, WARM and WILD	180701050208	Sunset Canyon
155	Thousand Oaks (PD 1726)	MUN, REC-1, REC-2, WARM, COLD, WILD, MIGR, SPWN and WET	180701040103	Unnamed
156	Turnbull	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050303	Turnbull Canyon
157	Valley Glen (PD 2537) - <NEW>	MUN, IND, PROC, AGR, FRSH, REC-1, REC-2, WARM, COLD, WILD, RARE and SPWN	180701020403	Unnamed
158	Verdugo	MUN, GWR REC-1, REC-2, WARM and WILD	180701050207	Verdugo Wash
159	Victoria (PD 2275)	MUN, IND, PROC, AGR, GWR, FRSH, REC1, REC2, WARM, COLD, WILD, RARE and WET	180701020603	Unnamed
160	Ward	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050207	Ward Canyon
161	Wedgewood (PD 2467)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD and RARE	180701020306	Villa Canyon
162	Wellington (PD 2202 Ujll)	MUN, REC1, REC2, WARM, WILD and WET	180701050303	Unnamed
163	West Ravine	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050209	Unnamed
164	Westridge	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050303	Unnamed
165	Whitney (PD 2444)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD and RARE	180701020306	Villa Canyon
166	Wilbur	MUN, GWR, REC-1, REC-2, WARM and WILD	180701050208	Aliso & Wilbur Canyon
167	Wildwood (PROJ 1222)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM and WILD	180701020403	Wildwood Canyon

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	FACILITY	Beneficial Uses	Watershed Boundry Dataset (WBD)	UPSTREAM CANYON WATERCOURSE
168	William S. Hart Park (RDD 341)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM and WILD	180701020403	Unnamed
169	Wilson	MUN, GWR, REC-1, REC-2, WARM, WILD and RARE	180701050208	Wilson Canyon
170	Winery	MUN, IND, PROC, GWR, REC-1, REC-2, WARM and WILD	180701050209	Winery Canyon
171	Yucca (PD 2157)	MUN, IND, PROC, AGR, GWR, FRSH, REC-1, REC-2, WARM, WILD and RARE	180701020306	Unnamed
172	Zachau	MUN, GWR, REC-1, REC-2, WARM, WILD and RARE	180701050105	Zachau Canyon
Label:	Text	Facilities added since 2008		
	Text	Current facilities		

Municipal and Domestic Supply MUN  
 Industrial Service Supply IND  
 Industrial Process Supply PROC  
 Ground Water Recharge GWR  
 Warm Freshwater Habitat WARM  
 Wildlife Habitat WILD  
 Rare, Threatened or Endangered Species RARE  
 Migration of Aquatic Organisms MIGR  
 Spawning, Reproduction Early Development SPAWN  
 Wetland Habitat WET  
 Water Contact Recreation REC-1  
 Non-water Contact Recreation REC-2

**EXHIBIT B**

**Los Angeles Regional Water Quality Control Board**

**1. SECTION 401 WATER QUALITY CERTIFICATION APPLICATION FORM**

Applications for Water Quality Certification shall be filed in accordance with Sections 3830 through 3869 of Title 23 of the California Code of Regulations. An initial deposit of **\$1,097.00** must accompany all applications. Please include a check made out to the State Water Resources Control Board. The schedule of fees can be found at:

[http://www.waterboards.ca.gov/losangeles/water\\_issues/programs/401\\_water\\_quality\\_certification/](http://www.waterboards.ca.gov/losangeles/water_issues/programs/401_water_quality_certification/).

**Failure to submit this fee deposit will make this application incomplete. Submit your completed application form to the address above, Attn: 401 Certification Staff.** Attach additional sheets as necessary.

**1. APPLICANT/AGENT INFORMATION**

a) Applicant: Los Angeles County Flood Control District	b) Agent/Consultant*:
Main Contact: Christopher Stone	Main Contact: Kenneth Zimmer
Address: 900 S. Fremont Ave., Alhambra, CA 91803	Address: 900 S. Fremont Ave., Alhambra, CA 91803
Email: cstone@dpw.lacounty.gov	Email: kzimmer@dpw.lacounty.gov
Phone No. (626) 458-6100	Phone No. (626) 458-6188
Fax No. (626) 979-5436	Fax No. (626) 979-5436

\*Complete only if applicable

**2. PROJECT DESCRIPTION**

a) Project Title:  
Devil's Gate Reservoir Sediment Removal and Management Project

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b) Purpose/Goal:

The Station Fire started on August 26, 2009 in the Angeles National Forest near the United States Forest Service ranger station on the Angeles Crest Highway (State Highway 2) and burned over 160,000 acres before containment on October 16, 2009. Approximately 100 percent of the undeveloped watershed tributary to Devil's Gate Dam was burned. On average, a watershed will take five years or more to recover from a forest fire burn. During this time, increased amounts of debris production occur from the denuded ground surface. The storms that occurred in the two wet seasons after the fire increased sediment accumulation in the reservoir by approximately 1.3 million cubic yards (MCY), reducing the available capacity. In October 2010, the California Department of Water Resources Division of Safety of Dams recommended that sediment buildup behind the dam should be removed as well as the vegetation growth.

The Los Angeles County Flood Control District (District) must remove sediment that has accumulated behind the dam to restore the capacity of Devil's Gate Reservoir, and to minimize the level of flood risk to downstream communities

along the Arroyo Seco. The downstream areas of potential flooding during a Capital Flood event include over 440 properties with residential and/or commercial structures, as well as several sections of roadway, of which the 110 Freeway is of particular concern. In its current condition, the reservoir no longer has the capacity to safely contain another major debris event and the outlet works have a risk of becoming clogged and inoperable. The Dam's outlet works are depicted in Attachment D – Devil's Gate Dam Profile.

Too much sediment accumulation in the reservoir can affect the ability of the outlet works to function correctly and can potentially reduce the available reservoir capacity below acceptable levels necessary for flood control storage or to safely contain future sediment inflow. Due to the sediment deposited in the reservoir from the storms after the 2009 Station Fire, the current available capacity for Devil's Gate Reservoir is 1.3MCY, which is less than the amount of sediment that we calculated could enter the reservoir during one major storm event.

c) Project Activities: (Attach additional sheets as necessary)

*Please provide a detailed explanation of all project activities. Include information such as: avoidance and minimization measures for project impacts; alternatives analysis; project activity impacts to waterbodies and/or water quality; and implementation of Low Impact Development (LID) strategies.*

*\*Please note that the Regional Board will not allow stormwater treatment facilities to be placed within waters of the United States\**

The purpose of the project is to remove 2.4 MCY of sediment to restore the capacity of the reservoir and establish a reservoir configuration and management system to maintain the flood control capacity of the reservoir. Activities include:

I. INITIAL SEDIMENT REMOVAL

1. Excavation Area

Project excavation limits and reservoir configuration are shown in Attachment E – Work Plan Map. To facilitate storm flows, a gradient conducive to sediment transport will be used in the constricted area of the basin. The basin will be excavated to an elevation of approximately 986 feet at the face of the dam, sloping up to a 995-foot elevation where the basin constricts while sloping up to a 1,040-foot elevation, widens, and continues to slope up to a 1,060-foot elevation at approximately 4,700 feet north of the dam. The approved project boundary is 70.81 acres. Within the project boundary is a jurisdictional area of 37.8 acres of jurisdictional resources which will be impacted and require mitigation, shown in Attachment F – Jurisdictional Resources Impacts Map.

All project activities will be within the 70.81 acres, as shown in Attachment E, and no waters of the United States will be impacted outside of the project boundary. Excavation will not include the Oak Grove area of Hahamongna Park on the west side of the basin, outlined in Attachment F, or the City of Pasadena's spreading grounds on the east side of the basin. The proposed contours, profile, and cross sections can be seen in Attachment G – Design Plans.

2. Vegetation Removal

Historically, as storm events have deposited sediment in the reservoir, native and non-native vegetation have become established in the sediment. During subsequent storm events, some of the vegetation and trees have either been washed out by storm flows, submerged when the reservoir level rises, or buried under sedimentation. Despite the dynamic changes to water elevation and flows in the reservoir, mature Black Willow trees, Riversidean Alluvial Fan Sage Scrub, Mule Fat Scrub, and

riparian vegetation have grown in the reservoir. During the storm events following the 2009 Station Fire, a large portion of the reservoir vegetation was buried in sediment; however, significant amounts of vegetation, including numerous mature willow trees, remain intact.

In order to excavate sediment from the reservoir, trees and vegetation growing within the 70.81 acres excavation area, or where access roads are located, will need to be removed. In the areas where excavation will not take place, including the western side of the reservoir, vegetation will not be removed. Vegetation and organic debris will be separated from the sediment and hauled to Scholl Canyon Landfill located in the City of Glendale.

Initial vegetation removal is estimated to take place in fall 2015, after bird nesting season. In the subsequent years of sediment removal, it is anticipated that vegetation and organic debris will be hauled to Scholl Canyon Landfill during the first week of removal activities which will start in April of each year.

3. Sediment Removal

The project excavation activities will remove approximately 2.4 MCY of current excess sediment in the reservoir, in addition to any additional sediment received during the project. The accumulated sediment will be excavated within the 70.81 acres shown in Attachment E.

Sediment removal activities are anticipated to take place during the drier months, April 15 until December, with a maximum annual sediment removal amount of 800,000 cubic yards (CY).

Depending on the moisture content of the sediment removed, the sediment may need to be stockpiled to allow it to dry. If drying is required, sediment will be stockpiled on-site within the excavation limits.

Excavated sediment from the reservoir will be trucked off-site to existing disposal site locations, which are currently available to accept the sediment. Trucks will travel and place sediment at one of the following primary disposal site locations: the Waste Management Facility in Azusa, the Vulcan Materials Reliance Facility in Irwindale, or the Manning Pit Sediment Placement Site (SPS) in Irwindale. Secondary disposal sites are the facilities in Sun Valley (Sheldon Pit, Sun Valley Fill Site, Bradley Landfill, and Boulevard Pit).

4. Construction Summary

Excavation and removal of the 2.4 MCY of sediment will only occur Monday through Friday during the dry season (from April 15 until December barring storm events). On-site excavation activities will take place between the hours of 7:00 a.m. and 6:00 p.m. Standard Time and between 7:00 a.m. and 7:00 p.m. Daylight Savings Time. Hauling will occur from 7:00 a.m. to 3:30 p.m., Monday through Friday.

Construction equipment will include, but not be limited to, approximately four front loaders with four-yard buckets, two bulldozers, one excavator, one grader, one water truck, and two tender trucks. Coarse material may need to be processed through the sorters and crushers to be hauled off-site.

The trucks expected to be used for sediment transport are double dump trucks, each with a capacity of approximately 18 CY of sediment. The trucks are anticipated to haul up to an estimated 7,650 CY per day. Removal of sediment, vegetation, trees, and organic debris is expected to require an average of

50 trucks round trips per hour, with a maximum of 425 truck round trips per day during excavation activities.

The reservoir access roads can be seen in Attachment H-1. As part of the project, the existing western access road and the upgraded eastern access road will be improved with new ramps to allow for truck traffic in and out of the reservoir. Trucks will enter the reservoir via the upgraded reservoir access road located on the east side of the reservoir. After rehabilitation and minor improvements to the existing west side reservoir access road, trucks will exit the reservoir via this road. Both the eastern and western access roads will allow for one-way truck traffic. The eastern access road will now allow for traffic to enter the reservoir directly from Oak Grove Drive, as opposed to using La Cañada Verdugo Road, which is the current route for reservoir access. The existing western access road is currently unpaved, and the portion of this access road north of the West Rim Trail to the reservoir will be widened, but remain unpaved. The portion of this access road from Oak Grove Drive to the West Rim Trail will need to be widened and paved. Empty trucks will be staged within the project site. Trucks will be prohibited from staging on city streets. Photos of the existing access and maintenance roads can be seen in Attachment I.

During the period that school is in regular session, from 7:00 a.m. to 10:00 a.m., trucks will access the project site from I-210 by exiting at Windsor Avenue/Arroyo Boulevard, turning north at Windsor Avenue, turning left onto northbound Oak Grove Drive, and then entering the eastern reservoir access road. Loaded trucks will exit the reservoir on the western access road, turning left onto southbound Oak Grove Drive, then right onto southbound Windsor Avenue, and then to I-210 eastbound to disposal sites in Azusa and Irwindale or to I-210 westbound to disposal sites in Sun Valley. This route is shown in Attachment H-2.

During the period that school is in regular session, from 10:00 a.m. to the end of the work day, trucks will access the project site from I-210 by exiting at Windsor Avenue/Arroyo Boulevard, turning north at Windsor Avenue, turning left onto northbound Oak Grove Drive, and then entering the eastern reservoir access road. Loaded trucks will exit the reservoir on the western access road, turning right onto northbound Oak Grove Drive, then left onto westbound Berkshire Place, and then to I-210 eastbound to disposal sites in Azusa and Irwindale or to I-210 westbound to disposal sites in Sun Valley. This route is shown in Attachment H-3.

During the period that school is not in regular session, the entire work day, trucks will access the project site from I-210 by exiting at Berkshire Place, turning east at Berkshire Place, turning right onto southbound Oak Grove Drive, and then entering the eastern reservoir access road. Loaded trucks will exit the reservoir on the western access road, turning right onto northbound Oak Grove Drive, then left onto westbound Berkshire Place, and then to I-210 eastbound to disposal sites in Azusa and Irwindale or to I-210 westbound to disposal sites in Sun Valley. This route is shown in Attachment H-4.

The sediment disposal truck routes to Irwindale/Azusa disposal sites, Sun Valley disposal sites, and Scholl Canyon Landfill are shown in Attachments H-5 through H-10.

As a part of annual routine dam operations, the reservoir will be empty prior to the start of any project activities within the reservoir.

To reduce potential impacts to erosion and water quality, the project will be conducted in accordance with applicable standards and Best Management Practices (BMPs). The project will also conform to the requirements in the latest edition of the Public Works "Construction Site Best Management

Practices Manual” (BMP Manual). The following environmental safeguards will be implemented as part of the project:

- No project equipment-related materials (i.e. waste, spills, or residue) shall be discharged from the runoff site to streets, drainage facilities, receiving waters, or adjacent property by wind or runoff.
- Nonstorm water runoff from equipment, vehicle washing, or any other activity shall be contained within the project site using appropriate BMPs.
- Debris generated from construction activities shall be properly contained.
- Grading will be scheduled so the majority of the work in the reservoir is completed during the dry season or during clear weather forecasts. Erosion susceptible slopes resulting from project activities shall be protected through design/construction techniques such as proper grading, planting, covering, or other BMPs.
- If the project may be active during rain events, the Contractor shall prepare an accumulated precipitation procedure (APP) for review and approval by the District Engineer before any discharge from the project. The APP shall describe the location of proposed discharges, the BMPs to prevent pollution, and the actual equipment to be used. The APP shall be prepared and submitted in accordance with BMP NS-2 and the Public Works BMP Manual Section 7.

## II. RESERVOIR MAINTENANCE

### 1. Excavation Area

The initial sediment removal is designed to result in a reservoir configuration which facilitates future routine annual management and sediment removal. Once the initial sediment removal phase has been completed, the designated maintenance area will be annually maintained to the 52.57 acre permanent impact boundary, shown shaded in blue in Attachment E. The reservoir will be managed through vegetation maintenance and sediment excavation/trucking off-site. The purpose of the annual maintenance activities is to reduce buildup of sediment in the reservoir maintenance area and eliminate or substantially reduce the need for future large-scale sediment removal.

All maintenance activities will be within the 52.57 acres, as shown in Attachment E, and no waters will be impacted outside of the project boundary during reservoir maintenance. Excavation will not include the Oak Grove area of Hahamongna Park on the west side of the basin, outlined in Attachment F, the City of Pasadena’s spreading grounds on the east side of the basin, or the area of the reservoir outside the excavation limits as shown in Attachment E.

### 2. Vegetation Removal

Vegetation within this reservoir management footprint will be mowed or removed and grubbed annually, in the late summer or early fall. All vegetation and sediment outside the reservoir management footprint, as shown in green on Attachment E, will be allowed to naturally re-establish, be enhanced through mitigation, and/or will remain in place. As with the initial sediment removal, all vegetation and organic debris will be separated from the sediment and hauled to Scholl Canyon Landfill located in the City of Glendale.

3. Sediment Removal

Based on past storm events, it is estimated that typically 13,000 CY of sediment will be required to be excavated and trucked off-site annually. Based on an estimated removal of a maximum of 4,800 CY per day, it is expected this will occur over an estimated two-week period, Monday through Friday.

Moderately large sediment deposits have the potential to occur during a storm season, but it is anticipated that even with this type of event, the newly deposited sediment could be removed in one season. A moderately large sediment removal event, anticipated to involve around 170,000 CY, could take place over an estimated 12-week period during the late summer/early fall following the vegetation maintenance.

4. Construction Summary

These maintenance activities will occur Monday through Friday in the late summer or early fall. Removal of the sediment, vegetation, trees, and organic debris is expected to require an average of 50 truck round trips per hour, with a maximum of 300 truck round trips per day during maintenance excavation activities. Sediment excavation/trucking off-site will use the same methods and trucking routes as the initial sediment removal activities.

Please see Section 4.6.1 of the Final Environmental Impact Report (EIR), Attachment J, for detailed information on the future Reservoir Management.

III. REMOVAL OF MATERIAL AT JOHNSON FIELD

The Interim Measures Project (IMP) is currently underway to reduce downstream flood risk. IMP activities included minor dam modifications to help keep debris from plugging the outlet works, and removal of up to 25,000 CY of sediment is allowed per year from the dam face until the Devil's Gate Sediment Removal and Management Project commences. Starting in 2011, sediment has been removed from the dam face annually and placed at Johnson Field, a nearby unused sports field.

In addition to the sediment excavated as part of the project, sediment stockpiled at Johnson Field from the IMP will also be removed.

IV. ALTERNATIVES/AVOIDANCE

As a part of the California Environmental Quality Act (CEQA) process, several alternatives to the originally proposed project were analyzed in the EIR, see Attachment J. Several additional alternatives were considered but were rejected due to their failure to meet basic project objectives, feasibility, and/or inability to avoid significant environmental impacts. The project described above to be implemented was determined to be the Environmentally Superior Alternative in the EIR (Alternative 3).

Alternatives considered in the EIR included several different removal configurations, amounts of sediment to be removed, removal methods, and haul routes. Section 4 in the EIR analyzes the different project alternatives and the ability of each alternative to reduce or avoid significant adverse environmental impacts while achieving the project objectives. Of the alternatives, Alternative 3 is the Environmentally Superior Alternative and satisfactorily meets the project objectives. While Alternative 3 does not have the least impacts across all issue areas, it does have substantially reduced impacts in comparison to most other alternatives. For this

reason, Alternative 3 was chosen as the project alternative to implement for the project.

Under the project, excavation will not include the Oak Grove area of Hahamongna Park on the west side of the basin, outlined in Attachment F, the City of Pasadena's spreading grounds on the east side of the basin, or the area of the reservoir outside the excavation limits as shown in Attachment E. The project configuration proposes the least amount of sediment to be removed out of all alternatives, and will impact the smallest footprint. The excavation configuration under this alternative ensures that the project area and its surroundings are left with proper drainage characteristics and capable of handling future anticipated sedimentation. These features will help to avoid and minimize potential losses to waters of the United States.

Project activities do not include constructing impervious surfaces in the reservoir, thereby increasing stormwater runoff from the site, and therefore Low Impact Development strategies are not applicable.

#### V. MITIGATION MEASURES

Impacts to jurisdictional waters were calculated within the project site. The jurisdictional acreages for United States Army Corps of Engineers (USACE), Regional Water Quality Control Board (RWQCB), and California Department of Fish and Wildlife (CDFW) for waters and vegetation impacts specific to the project's footprint are listed in Table 1, and are included in the Attachment K – Jurisdictional Delineation for the originally proposed project. In order to mitigate for potential impacts caused by the project, eight mitigation measures have been proposed. These mitigation measures are intended to reduce all impacts to the jurisdictional waters and biological resources on-site to less than significant. The District will collaborate with USACE, RWQCB, and CDFW to finalize appropriate mitigation details.

MM BIO – 1: A qualified biologist monitor shall be present during initial ground- or vegetation-disturbing project-related activities. Following initial project-related activities, a qualified monitoring biologist shall be present as necessary to maintain the implemented protection measures and monitor for additional species in harm's way.

MM BIO – 2: Within 90 days prior to ground-disturbing activities, a sensitive species educational briefing shall be conducted by a qualified biologist for construction personnel. The biologist will identify all sensitive resources that may be encountered on-site, and construction personnel will be instructed to avoid and report any sightings of sensitive species to District or the monitoring biologist. Educational briefings shall be repeated annually for the duration of the sediment removal.

MM BIO – 3: Within 90 days prior to ground-disturbing activities, a preconstruction survey shall be conducted by a qualified biologist for the presence of any sensitive species in harm's way, including coast range newt, the southwestern pond turtle, and the two-striped garter snake. If sensitive species are observed in harm's way, the qualified biologist will develop and implement appropriate protection measures for that species. These protection measures shall include, as appropriate, redirecting the species, construction of exclusionary devices (e.g., fencing), or capture/relocation outside the work area. Preconstruction Surveys shall be repeated annually for the duration of the sediment removal.

MM BIO – 4: The District, in consultation with a qualified biologist, will employ bird exclusionary measures (e.g., mylar flagging) prior to the start of bird breeding season to prevent birds from nesting within established boundaries of the project.

Prior to commencement of sediment removal activities within bird breeding season (March 1 through August 31), a preconstruction bird nesting survey shall be conducted by a qualified biologist for the presence of any

nesting bird within 300 feet of construction work area. The surveys shall be conducted 30 days prior to the disturbance of suitable nesting habitat by a qualified biologist with experience in conducting nesting bird surveys. The surveys shall continue on a weekly basis, with the last survey being conducted no more than three days prior to the initiation clearance/construction work. Preconstruction surveys shall be repeated annually for the duration of the sediment removal.

If an active nest is found, the qualified biologist will develop and implement appropriate protection measures for that nest. These protection measures shall include, as appropriate, construction of exclusionary devices (e.g., netting) or avoidance buffers. The biologist shall have the discretion to adjust the buffer area as appropriate based on the proposed construction activity, the bird species involved, and the status of the nest and nesting activity; but it shall be no less than 30 feet. Work in the buffer area can resume once the nest is determined to be inactive by the monitoring biologist.

MM BIO – 5: Within 30 days prior to commencement of vegetation or structure removal activities, a preconstruction bat survey shall be conducted by a qualified biologist for the presence of any roosting bats. If either a maternity roost or hibernacula (structures used by bats for hibernation) is present, a qualified biologist will develop and implement appropriate protection measures for that maternity roost or hibernacula. These protection measures shall include, as appropriate, safely evicting non-breeding bat hibernacula, establishment of avoidance buffers, or replacement of roosts at a suitable location.

MM BIO – 6: Riversidean Alluvial Fan Sage Scrub habitat shall be restored and/or enhanced at a 1:1 ratio by acreage. Areas shall be mapped using aerial photographs.

MM BIO – 7: Within 90 days prior to ground-disturbing activities, a qualified biologist shall conduct a tree survey within the project footprint to identify trees that will be removed or potentially affected by the project and trees that can be avoided. The District will replace trees that cannot be avoided. The replacement of trees is expected to be up to 1:1 by acreage. The biological monitor shall implement measures to protect the root zone of oak trees that may be impacted immediately adjacent to the project site and along access roads.

MM BIO – 8: A combination of on-site and off-site habitat restoration, enhancement, and exotic removal shall be implemented by the District at a 1:1 ratio for impacted sensitive habitat and jurisdictional waters. Habitat restoration/enhancement shall include use of willow cuttings and exotic species removal. Ruderal habitats within the basin shall be utilized whenever possible as mitigation sites. This mitigation measure shall be monitored for success for five years following implementation. A report of the monitoring results shall be submitted annually, during the five years following implementation, to resource agencies as required by the Section 401 Certification, Section 404 Permit, and a Streambed Alteration Agreement.

With the implementation of these mitigation measures, the project under sediment removal would result in a less than significant impact to:

- Jurisdictional waters
- Candidate, sensitive, or special status species
- Sensitive habitats
- Riparian habitats

d) Proposed Schedule (Start-up, duration, and completion dates):

Sediment removal will occur between fall 2015 and fall 2020; however sediment removal could potentially have a shorter duration. The maximum annual amount of sediment to be removed is 800,000 CY. Excavation and associated activities within the reservoir area are expected to take place during drier months, from April to December, Monday through Friday (except on holidays and days of major Rose Bowl events), as weather permits. During drier years, work could potentially start earlier and/or continue later. On-site excavation activities will take place between the hours of 7:00 a.m. and 6:00 p.m. Standard Time and between 7:00 a.m. and 7:00 p.m. Daylight Savings Time. Sediment trucking activities will take place Monday through Friday between 7:00 a.m. and 3:30 p.m. Reservoir management activities will take place under the same hours Monday through Friday.

**3. FEDERAL LICENSES/PERMITS**

a) Federal Agency(ies)/File Number(s): U.S. Army Corps of Engineers Representative: Bonnie Rogers  
 U.S. Army Corps of Engineers Pending Other \_\_\_\_\_

File No.(s) SPL-2014-00591

b) Permit Type(s) (please provide permit number(s):

Nationwide Permit No.(s) \_\_\_\_\_ Regional General Permit No.(s) \_\_\_\_\_

Individual Permit X Other \_\_\_\_\_

c) Does the project require any Federal Application(s), Notification(s) or Correspondence?

Yes X (attach copy(ies)) No \_\_\_\_\_ (Attach detailed explanation)

**4. OTHER LICENSES/PERMITS/AGREEMENTS**

a) Please list all other required regulatory approvals (submit final or draft copy if available):

Agency	Agency Representative	License/Permit/Agreement	Approval Date
CA Department of Fish and Wildlife	Matt Chirdon	Streambed Alteration Agreement	Pending
US Army Corps of Engineers	Bonnie Rogers	Individual Permit	Pending

b) Does the project require a Federal Energy Regulatory Commission (FERC) license or amendment to a FERC license?

No X Yes\_\_ (Attach application copy)

**5. CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)**

Indicate CEQA Document (submit final or draft copy\*) and Lead Agency:

Categorical Exemption\_\_ Negative Declaration\_\_ Environmental Impact Report X

Has the document been certified/approved, or has a Notice of Exemption been filed? Yes

If yes, date of approval/filing November 12, 2014 If no, expected approval/filing date: \_\_\_\_\_

Lead Agency Los Angeles County Flood Control District

\*Note, ample time must be provided to the certifying agency to properly review a final copy of valid CEQA documentation before certification can occur.

**6. PROJECT SITE DESCRIPTION (INCLUDES AREAS OUTSIDE OF U.S. WATERS)**

a) Project Location (Attach map of suitable quality and detail):

City or Area Pasadena County Los Angeles

b) Longitude/Latitude

[Information regarding submittal of longitude and latitude coordinates can be found at :  
<http://www.swrcb.ca.gov/~rwqcb4/html/meetings/401wqc.html>]

**[A minimum of eight (8) coordinates** – All project areas or zones must be delineated with enough waypoints to accurately depict polygons or polylines with at least two (2) points per line segment.]

(Decimal-Degrees) <u>34.185203°, -118.173020°</u>	(Decimal-Degrees) <u>34.195989°, -118.167466°</u>
(Decimal-Degrees) <u>34.198354°, -118.166853°</u>	(Decimal-Degrees) <u>34.198788°, -118.168473°</u>
(Decimal-Degrees) <u>34.198016°, -118.171391°</u>	(Decimal-Degrees) <u>34.195793°, -118.173550°</u>
(Decimal-Degrees) <u>34.187268°, -118.178801°</u>	(Decimal-Degrees) <u>34.185726°, -118.176779°</u>
(Decimal-Degrees) <u>34.185112°, -118.175594°</u>	

Township/Range:

Township: 1N

Range: 12W

c) Total Project Size:

70.81 Acres\* N/A linear feet (if appropriate)

d) Area Type/Description (check as appropriate):

Urban _____	Residential _____	Recreation _____
Agriculture _____	Open Space _____	Wildlife Corridor _____
Migratory Pathway _____	Spawning Habitat _____	
Threatened/Endangered Species Habitat _____	Other <u>Reservoir</u>	

\*This information is required.

## 7. IMPACTED WATER BODIES

a) Name(s) of Receiving Water Body(ies)\*:

Arroyo Seco, tributary to the Los Angeles River

b) Indicate in ACRES and LINEAR FEET (where appropriate) the proposed **waters of the United States** to be impacted by any discharge other than dredging, and identify the impacts(s) as permanent and/or temporary for each water body type listed below:

Jurisdictional Wetland:	<u>      N/A      </u> permanent,	<u>      N/A      </u> temporary ACRES
	<u>      N/A      </u> permanent,	<u>      N/A      </u> temporary LINEAR FEET
Streambed (vegetated):	<u>      N/A      </u> permanent,	<u>      N/A      </u> temporary ACRES
	<u>      N/A      </u> permanent,	<u>      N/A      </u> temporary LINEAR FEET
Streambed (unvegetated):	<u>      N/A      </u> permanent,	<u>      N/A      </u> temporary ACRES
	<u>      N/A      </u> permanent,	<u>      N/A      </u> temporary LINEAR FEET
Lake/Reservoir:	<u>      24.2      </u> permanent,	<u>      13.6      </u> temporary ACRES
	<u>      N/A      </u> permanent,	<u>      N/A      </u> temporary LINEAR FEET
Ocean/Estuary/Bay:	<u>      N/A      </u> permanent,	<u>      N/A      </u> temporary ACRES
	<u>      N/A      </u> permanent,	<u>      N/A      </u> temporary LINEAR FEET
Isolated waters:	<u>      N/A      </u> permanent,	<u>      N/A      </u> temporary ACRES
	<u>      N/A      </u> permanent,	<u>      N/A      </u> temporary LINEAR FEET

Please explain exactly how waters will be impacted by proposed project activities.

(Attach additional sheets as necessary)

The purpose of the project is to remove 2.4 MCY of sediment to restore the sediment capacity of the reservoir and establish a reservoir configuration and management system to maintain the flood control capacity of the reservoir. Waters will be impacted in the following ways:

### I. ACREAGE

#### 1. Total Acreage (70.81 acres)

The final configuration will involve approximately 70.81 acres of the reservoir. The project excavation activities will remove approximately 2.4 MCY of current excess sediment from this area, any additional sediment received during the project, and the stockpiled sediment at Johnson Field.

#### 2. Jurisdictional Resource Acreage (37.8 acres)

Within the jurisdictional area, 37.8 acres of jurisdictional resources (wetlands and non-wetland waters of the US) will be impacted and require mitigation.

### II. IMPACTS

#### 1. Permanent Resources Impacts (24.2 acres)

Of the jurisdictional impact acres, 24.2 acres of resources will be permanently impacted as they are within the reservoir management area, which will be maintained annually through vegetation clearing and sediment excavation/trucking off-site. Vegetation within the reservoir management footprint will be mowed or removed and grubbed annually.

2. Temporary Resources Impacts (13.6 acres)

13.6 acres of resources will be temporarily impacted as they are outside of the future maintenance area and will only be impacted during the initial 3-5 years of sediment removal. All vegetation and sediment outside the reservoir management footprint will be allowed to naturally re-establish and/or remain in place.

c) Indicate in CUBIC YARDS the volume of Dredged material to be discharged in waters of the United States:

No dredged material will be discharged into the waters of the United States

d) Indicate type(s) of material proposed to be discharged in waters of the United States:

N/A

\*All receiving water bodies must be identified in the *Water Quality Control Plan, Los Angeles Region* (Basin Plan). Any unnamed/unidentified waters must be extended to an identifiable tributary.

**8. COMPENSATORY MITIGATION**

a) Indicate in ACRES and LINEAR FEET (where appropriate) the total quantity of **waters of the United States**

proposed to be Created, Restored and/or Enhanced for purposes of providing Compensatory Mitigation:

Water Body Type	Created	Restored	Enhanced
Jurisdictional Wetland			
Streambed (vegetated)			
Streambed (unvegetated)			
Lake/Reservoir		37.8 Acres	
Ocean/Estuary/Bay			

Please describe mitigation activities proposed (Attach additional sheets as necessary).

A combination of onsite and offsite habitat restoration, enhancement, and exotic removal shall be implemented by District at a 1:1 ratio for impacted sensitive habitat and jurisdictional waters. Habitat restoration/enhancement shall include use of willow cuttings and exotic species removal. Non-native, weedy habitats within the basin shall be utilized whenever possible as mitigation sites. This mitigation measure shall be monitored for success for five years following implementation. A report of the monitoring results shall be submitted annually, during the five years following implementation, to resource agencies as required by the Section 401 Certification, Section 404 permit, and a Streambed Alteration Agreement.

The District is currently in discussion with environmental consultants and other stakeholders to work toward an acceptable Compensatory Mitigation Plan. Several alternatives are being investigated and proposals for feasible options will be submitted as soon as available. The District will collaborate with RWQCB to finalize appropriate mitigation details.

b) If contributing to a Mitigation or Conservation Bank, indicate the agency, dollar amount, acreage, and water body type (omit if not applicable):

Conservation Agency \_\_\_\_\_

\$ \_\_\_\_\_ for \_\_\_\_\_ acres of \_\_\_\_\_ (water body type)

How many acres of this qualify as waters of the United States?

c) Other Mitigation (omit if not applicable):

How many acres of this qualify as waters of the United States?

d) Location of Compensatory Mitigation Site(s) (Attach map of suitable quality and detail):

City or Area \_\_\_\_\_ County \_\_\_\_\_

Longitude/Latitude (Decimal-Degrees) \_\_\_\_\_

[A minimum of eight (8) coordinates]

**9. OTHER ACTIONS/BEST MANAGEMENT PRACTICES (BMPs)**

Briefly describe other actions/BMPs to be implemented to Avoid and/or Minimize impacts to waters of the United States, including SUSMPs/Low Impact Development (LID), habitat preservation, erosion control measures, project scheduling, flow diversions, etc.

Project avoidance and minimization measures are detailed in the Alternatives/Avoidance and Mitigation Measures Sections in Attachment A – Project Description.

As a part of annual routine dam operations, the reservoir will be empty prior to the start of any project activities. Currently, due to the high volume of sediment in the reservoir, flows moving through the reservoir and dam outlets are extremely turbid. Construction activities are not expected to increase these levels.

To reduce potential impacts to erosion and water quality, the project would be conducted in accordance with applicable standards and BMPs. The project will also conform to the requirements in the latest edition of the Public Works BMP Manual. The following environmental safeguards will be implemented as part of the project:

- No project equipment-related materials (i.e. waste, spills, or residue) shall be discharged from the runoff site to streets, drainage facilities, receiving waters, or adjacent property by wind or runoff.
- Nonstorm water runoff from equipment, vehicle washing, or any other activity shall be contained within the project site using appropriate BMPs.
- Debris generated from construction activities shall be properly contained.
- Grading will be scheduled so the majority of the work in the reservoir is completed during the dry season or during clear weather forecasts. Erosion susceptible slopes resulting from project activities shall be protected through design/construction techniques such as proper grading, planting, covering, or other BMPs.
- If the project may be active during rain events, the Contractor shall prepare an APP for review and approval by the District Engineer before any discharge from the project. The APP shall describe the location of proposed discharges, the BMPs to prevent pollution, and the actual equipment to be used. The APP shall be prepared and submitted in accordance with BMP NS-2 and the Public Works BMP Manual Section 7.

**10. PAST/FUTURE PROPOSALS BY THE APPLICANT**

Briefly list/describe any projects carried out in the last 5 years or planned for implementation in the next 5 years that are in any way related to the proposed activity or may impact the same receiving body of water. Include estimated adverse impacts.

Sediment removal from Devil's Gate Dam and Reservoir is a regular maintenance activity that has occurred historically and will continue as needed in the future. The District intends to continue regular maintenance of this flood control facility to ensure proper functioning of the flood control system in accordance with its original design to protect the public and prevent damage and loss of life. Once sediment removal is complete for this project, annual maintenance will commence within the maintenance footprint (as shown in blue in Attachment E – Work Plan Map).

The annual Interim Measures Project (IMP) is currently underway to reduce downstream flood risk. IMP activities included minor dam modifications to help keep debris from plugging the outlet works, and removal of up to 25,000 CY of sediment is allowed per year from the dam face until the project associated with the EIR is started. In 2011, 13,000 CY was removed from the dam face and placed at Johnson Field, a nearby unused sports field. In 2012, approximately 1,525 CY of sediment and 420 CY of green waste were removed from the dam face and hauled to Johnson Field and Scholl Canyon Landfill, respectively. In 2013, approximately 1,200 CY of sediment and 130 CY of green waste were removed from the dam face and hauled to Johnson Field and Scholl Canyon Landfill, respectively. In 2014, approximately 600 CY of sediment and 100 CY of green waste were removed from the dam face and hauled to Johnson Field and Scholl Canyon Landfill, respectively.

Devil's Gate Water Conservation Project is currently in the conceptual design phase. The project includes installing a pump and intake on the upstream face of Devil's Gate Dam. A 5-mile pipeline will be constructed from the pump easterly to Eaton Wash.

\_\_\_\_\_  
Applicant's Signature  
(Agent may not sign for Applicant)

\_\_\_\_\_  
Date

**Should you have any questions regarding the water quality certification process, please contact Ms. Valerie Carrillo (213) 576-6759 or Mr. Dana Cole (213) 576-5733.**