

LOS ANGELES DISTRICT
U.S. ARMY CORPS OF ENGINEERS

DEPARTMENT OF THE ARMY PERMIT

Permittee: This Regional General Permit applies to:

- (1) the Los Angeles County Department of Public Works (LACDPW) at their 161 sediment entrapment facilities (see Figure 1 and Table 1); and
- (2) other applicants within Los Angeles County and additional LACDPW projects. With additional requirements, the U. S. Army Corps of Engineers, Los Angeles District Regulatory Branch (Corps) will also consider requests for maintenance and sediment removal, at other sediment entrapment sites and by other applicants within Los Angeles County (see Special Condition A).

Permit Number: SPL-2003-00411-KW

Issuing Office: Los Angeles District

Note: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official acting under the authority of the commanding officer.

Project Description

The District Engineer, Los Angeles District U.S. Army Corps of Engineers hereby reissues Regional General Permit (RGP) No. 45.

This regional general permit (RGP) authorizes sediment removal and maintenance of soft bottomed sediment entrapment basins, access roads, and other appurtenances such as, but not limited to the following: inlet chutes, trash racks, facing slabs, gage boards, slow and down drains, outlet towers, and a small channel and area around the outlet tower as described below.

(1) This RGP authorizes sediment removal under the following two situations:

- (A) when the quantity of sediment in a sediment entrapment basin has reached 25% capacity or more, as identified in the permit application.

- (B) when a sediment entrapment basin has reached 5% or more of the basin's capacity and more than 20% of the watershed of the sediment entrapment basin has burned within the previous 5 years.

Maintenance of these facilities usually involves excavation, fill, and land clearing activity. Occasionally, such removal may involve non-mechanical means such as hand clearing. But, in almost all cases, the work is performed within existing and defined right-of-way easements. The sediment/debris removal operation at any one basin may occur infrequently (once every few years), several times during a storm season, or several times during and following a single storm event, depending upon the size of the sediment control facility, amount or intensity of the rains, and amount of sediment/debris produced by the watershed.

(2) This RGP authorizes maintenance (including reconstruction) of existing access roads to sediment basins covered by the RGP provided that the footprint does not change and the width and length of the road are the minimum necessary to access the sediment removal. Reconstruction and maintenance of fences and other appurtenances are also authorized.

(3) This RGP also authorizes maintenance, for basins covered by the RGP, of a small (no more than 10 feet wide) entrainment channel and a 15 foot wide area immediately around outlet towers to prevent clogging and direct the low flow discharge to the outlet tower.

(4) The RGP authorizes the removal of vegetation on the upstream and downstream jurisdictional faces of the sediment retention dam and abutments as necessary to comply with dam safety requirements of the California Department of Water Resources, Division of Safety of Dams or to ensure the integrity of the embankment.

(5) This RGP authorizes weed control that is consistent with the terms and conditions of Regional General Permit No. 41, with no further review by the Corps of Engineers, and normal weed removal above the 25%-capacity area for fire control.

DEFINITIONS AND ACRONYMS FOR PURPOSES OF THIS RGP

Definitions:

Sediment Entrapment (debris) Basin - Sediment entrapment basin is a more accurate term than debris basin, but both are used synonymously in this document. A sediment entrapment basin is an engineered structure designed to capture sediments (i.e. mud, silt, sand, soil, rock, and dislodged vegetation), eroded from the steep hillside watershed above, before they can enter and block the downstream flood control systems. These basins are located at or near the canyon mouth. For example, in Los Angeles County the vast majority of the basins are located along the foothill areas at the base of the San Gabriel Mountains and Verdugo Hills. For the purposes of this RGP, a sediment entrapment basin is assumed to have a "soft bottom", i.e., a natural bottom as opposed to a concrete bottom (Maintenance of existing concrete bottom basins is exempt from regulation.).

Capital Flood - Capital flood designations within Los Angeles County are made according to County of Los Angeles Department of Public Works standards. In layman terms, for a

mountain watershed, a capital flood is the runoff from a 50-year rainfall storm event falling on a saturated watershed.

25%- and 100%-Capacity Areas and Lines - The current LACDPW design capacity for a basin is equal to the volume of sediment produced by a capital flood. The amount of sediment expected from a capital flood depends on the characteristics of the watershed above and rainfall data for the area. (LACDPW is currently in the process of bringing their existing sediment entrapment basins to "design" standards.) The area occupied by the sediment expected from a capital flood is determined by the basin topography.

Design Capacity - The total volume of sediment expected to be contained by a sediment entrapment basin when it is full.

25% Capacity - One fourth of the design capacity.

25%-Capacity Area - The area occupied by the entrapped sediment and debris when the basin is one-fourth full.

25%-Capacity Line - The outline (on the surrounding hillside or side slopes) of the area estimated to be inundated with water, sediment and debris when the basin is 25% full.

100% Capacity - Same as design capacity.

100%-Capacity Area - The area occupied by the entrapped sediment and debris when the basin is full.

100%-Capacity Line - The outline (on the surrounding hillside or side slopes) of the area expected to be inundated with water, sediment and debris when the basin is full.

Perennial Stream - For the purposes of this RGP, a perennial stream is a stream in which water on the surface of the basin flows year round from the upstream side of the basin or canyon mouth to water/sediment control structure (usually a dam).

Acronyms

CDFG - California Department of Fish and Game

Corps - U. S. Army Corps of Engineers, Los Angeles District Regulatory Division

FWS - U. S. Fish and Wildlife Service

ACNE - Implementation Without Conditions Notification

LACDPW - Los Angeles County Department of Public Works

RGP - Regional General Permit

RWQCB - Regional Water Quality Control Board

SPS - Sediment Placement Site

PERMIT CONDITIONS:

General Conditions:

1. The time limit for completing the authorized activity ends on **October 15, 2014**. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification from this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. The Los Angeles Regional Water Quality Control Board (RWQCB) has issued a 401 Certification (02-144) for the LACDPW projects which is valid until October 23, 2013. LACDPW shall comply with the conditions specified in the 401 Certification.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure it is being or has been accomplished according to the terms and conditions of your permit.

Special Conditions

A. Prospective permittees for projects other than those listed in Table 1 -

Applicants/prospective permittees for projects other than those listed in Table 1 or for enlarging sites in Table 1 shall initially submit a "complete notification package" to the Corps that includes the following information:

1. Name, address, and telephone number of the applicant/prospective permittee;
2. Location of the proposed project, including a vicinity map;
3. Project purpose such as sediment removal, road maintenance, entrapment channel maintenance, etc. or all of the above;

4. Citation of this RGP;

5. Other information: a) a brief description of the proposed project, b) the extent of work being proposed, c) latitude and longitude, d) a copy of the US Geological Survey 7 1/2 minute quadrangle map showing the watershed of the proposed sediment entrapment basin, e) a plan view or drawing of the sediment entrapment facility with the 25%- and 100%- full capacity contour clearly demarcated, f) names of the drainages from the basin to the drainage which enters the Pacific Ocean, g) whether the drainage at the sediment entrapment basin is ephemeral, intermittent, or perennial, h) acreage and volumes of the 25%- and 100%-capacity areas, i) a discussion of the 5%-capacity area; (Note: 25% and 100%- lines may be approximate.)

6. A copy of a letter to the State Historic Preservation Office (SHPO) inquiring about the presence or absence of listed and/or eligible sites for listing in the National Historic Register in the proposed project area that may be affected by the proposed activity;

7. A copy of a letter to the U.S. Fish and Wildlife Service (FWS) inquiring about the presence or absence of any federally listed endangered or threatened species or designated critical habitat in the proposed project area that may be affected by the proposed activity;

8. A migratory bird and endangered species survey. If initial construction work for a proposed sediment entrapment facility must occur between March 15 and August 15, a migratory bird and endangered species survey must be initiated during the appropriate season and be submitted to the Corps and FWS. Survey personnel, timing, and protocol shall be coordinated and approved by the Corps in consultation with FWS prior to initiation of the regulated activity to insure appropriate survey results;

9. A 401 Water Quality Certification, WDR's, or waiver from the Regional Water Quality Control Board (RWQCB). A complete application for the proposed activity should be submitted simultaneously to the RWQCB. The 401 Water Quality Certification, WDR's, or waiver from the RWQCB shall be obtained and submitted to the Corps prior to final project verification by the Corps under this RGP;

10. The standard individual permit application form (Form ENG 4345) may be used as the notification but must clearly indicate that it is a RGP notification, and must include all of the information mentioned above. Work may not commence until verification of compliance with this RGP is received from the Corps, or forty-five days have passed since the Corps received a complete notification package;

11. Once an applicant receives verification that maintenance/cleanout of their sediment entrapment facility meets the requirements for this RGP, the applicant may thereafter follow the conditions listed under Special Condition B below for verified RGP holders.

B. Maintenance Operations for Sediment Retention Basins for which the Corps has Verified Use of this RGP (Table 1).

1. The permittee shall maximize avoidance of any natural areas above the 25% capacity area including areas within the 25%- to 100%-capacity area, slopes, and areas in uplands. The 25%- to

100%- capacity area shall not be disturbed by any means unless approved exotic species removal is occurring or sediment deposition has occurred in that area such that sediment must be removed to restore capacity. Within the 25%-to 100%-capacity area, willows, oaks, and sycamores shall not be disturbed unless 90% of their height has been inundated by sediment. To the maximum extent practicable, with the exception of small entrainment channels and outlet tower clearing, native riparian vegetation shall be avoided in all areas while still maintaining basin capacities. Except during rainfall events, until such time as a training program is developed and implemented (see special condition No. 8), flagging will be installed around the outside perimeter of the work area prior to initiation of work. (Standard herbaceous weed control activities for fire prevention outside of the 25%-capacity area are exempted from the flagging requirement.)

2. Sediment removal in all sediment entrapment basins will occur between August 16 and March 15 of any given storm season unless prior approval is received from the Corps, in consultation with the FWS. Work in progress on March 15th will continue uninterrupted for two weeks or until completed, whichever is shorter.

In sediment entrapment basins where the 25%-capacity area is greater than 3 acres in size, pre-cleanout migratory bird and endangered species surveys must be completed semi-annually by a Corps approved biologist(s) during appropriate seasons for potential species of concern. Depending on the status of the habitat the Corps of Engineers may waive the requirement. Alternatively, the Corps of Engineers may require additional protocol surveys for specific federally endangered or threatened species if submitted biological surveys indicate the possibility of the presence of such species. The completed report must be submitted to the Corps and FWS for approval prior to cleanout.

3. No activity is authorized under this RGP which is likely to jeopardize the continued existence of a threatened or endangered species or species proposed for such designation, as identified under the Federal Endangered Species Act. Nor is activity authorized which is likely to destroy or adversely modify the critical habitat of such species. Federal Agencies should follow their own procedures for complying with the Endangered Species Act. Non-federal permittees shall notify the District Engineer if any listed species or critical habitat might be affected or is in the vicinity of the project. The permittee shall not begin work on the activity until notified by the District Engineer that the requirements of the Endangered Species Act have been satisfied and that the activity is authorized. Information on the location of threatened and endangered species and their critical habitat can be obtained from the U.S. Fish and Wildlife Service and National Marine Fisheries Service.

4. No activity is authorized which may adversely affect historic properties listed, or eligible for listing, in the National Register of Historic Places until the District Engineer has complied with the provisions of 33 CFR 325, Appendix C. The prospective permittee must notify the District Engineer if the authorized activity may affect any historic properties listed, determined to be eligible, or which the prospective permittee has reason to believe may be eligible for listing on the National Register of Historic Places. The prospective permittee shall not begin the activity until notified by the District Engineer that the requirements of the National Historic Preservation Act have been satisfied and that the activity is authorized. Information on the location and existence of historic resources can be obtained from the State Historic Preservation Office and the National Register of Historic Places (see 33 CFR 330.4(g)). Federal permittees should follow their own

procedures for compliance with the requirements of the National Historic Preservation Act and other Federal historic preservation laws.

5. No mechanized equipment, rubber-tired or track vehicles, or other materials shall be stored in waters of the United States including wetlands, or within the 100%-capacity line or adjacent native habitat. Equipment shall be stored in previously disturbed areas.

6. All appropriate Best Management Practices must be used to preclude increased turbidity and to ensure that road construction does not restrict or impede the passage of normal or expected high flows.

7. This RGP cannot be used where herbicides have been used on native species within the 100%-capacity line or adjacent native habitat.

8. The permittee operating under this RGP shall maintain copies of the terms and conditions of this RGP on each site and will provide training to all personnel doing work on a site to insure that the conditions are implemented.

9. The permittee operating under this RGP shall develop a training program for field personnel performing activities regulated under this RGP and their managers, planning personnel, and other appropriate managers and staff. The training program shall cover Best Management Practices including management oriented for water quality, management oriented for wildlife, native flora and fauna expected on the site and mechanisms for avoidance, a discussions of nesting season, native plants vs. invasive weeds, and endangered species protocol. The training program shall be developed in coordination with the Corps, EPA, RWQCB, FWS, and CDFG (California Department of Fish and Game) and be approved by the Corps. Appropriate personnel (see above) shall receive training prior to September 15, 1998. Certification that said training has been completed shall be transmitted to Corps Regulatory prior to September 1, 1998. Invasive weeds to be considered are those listed in RGP 41, i.e. giant reed, salt cedar, tree tobacco, castor bean, Russian thistle, star thistle, artichoke thistle, thistle, pampas grass, fountain grass, or cocklebur. Smaller weeds that might be considered for sensitive removal to control fire are mustards, introduced annual grasses, sweet clover, and some composites such as ox tongue.

10. This condition is a result of site inspections of specific LACDPW basins. Mention of basins in this condition does not eliminate any Proposed General Condition or Special Condition for the Table 1 basins or any other basins.

Big Dalton - LACDPW shall a) clean between August 15th and November 15th; and b) leave major trees where at all possible, even when cleaning within the 25%-100% area.

Englewild - same as Big Dalton

Hook East - LACDPW shall avoid habitat on side slopes.

Sawpit - LACDPW shall avoid tributaries entering the debris basin unless they are inundated with sediment.

Santa Anita - LACDPW shall a) clean between August 15th and November 15th, and b) avoid existing large willows near the dam on both sides of the basin. Willows on the upstream dam face may be removed for dam safety purposes.

Mullally - An exception will be made for Mullally Debris Basin. Mullally may be cleaned when at 5% capacity regardless of the condition of the upstream watershed. This exception is due to the fact that Mullally is significantly undersized at this time. Should the facility be redesigned, LACDPW shall consult with the Corps on the proposed capacity in order to allow area for riparian vegetation to develop. This special condition will be void if the basin is redesigned and built.

11. The permittee shall dispose of all excavated sediment and debris at a legal disposal point. Disposal of sediment on adjacent native habitat areas, State or federal "waters" is prohibited.

12. If the permittee proposes to remove any native vegetation beyond those areas cited above, the permittee shall submit a request to the Corps with an accompanying letter from Dam Safety stating the need and reasons for the additional vegetation removal. The permittee shall not initiate any removal of native vegetation beyond those areas cited above unless the Corps of Engineers has provided written approval for the additional vegetation removal.

C. Emergency Sediment Removal without Condition(s) - Emergency situations are those situations where a basin has filled more rapidly than expected and must be cleared in response to a public safety need. In the event that any emergency sediment removal is to be implemented without use of any of the Special Conditions above:

1. The permittee must notify, in advance, the Regulatory Division, Los Angeles Section Chief, or the Senior Project Manager for Los Angeles County by telephone or voice mail, (213-452-3414, 213-452-3290, respectively) of the project, location, the condition(s) that will not be implemented, and the reason for the action without conditions;

2. The permittee must submit an Implementation Without Conditions Notice (ACNE) to the Corps within three working days to obtain approval of the work, or to obtain remediation measures for the work. The ACNE shall be submitted on pink paper and include a brief summary of activities that occurred including the location, the condition that was not implemented, and justification for implementation without condition. If the corps and permittee disagree on whether and emergency existed, the Corps will confer with the permittee prior to making a final decision.

D. Non-emergency sediment removal without Condition(s) - In the event that any non-emergency sediment removal is proposed to be implemented without any of the Special Conditions in B above, the permittee shall notify the Corps and receive prior approval.

This RGP does not preclude the use of other Nationwide Permits (33 CFR Part 330 Appendix A) provided that the project meets the terms and conditions for the Nationwide Permits, including a 401 water quality certification and Coastal Commission consistency determination, if appropriate.

Further Information:

1. Congressional Authorities. You have been authorized to undertake the activity described above pursuant to:

() Section 10 of the River and Harbor Act of 1899 (33 U.S.C. 403).

(X) Section 404 of the Clean Water Act (33 U.S.C. 1344).

() Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data. The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

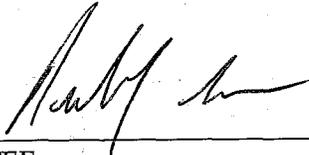
b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measure ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions: General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give you favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.



PERMITTEE

10/15/09

DATE

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.



Daniel P. Swenson
Chief, Los Angeles Section
Regulatory Division

10/15/09

DATE

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

TRANSFEREE

DATE

Los Angeles County Department of Public Works
161 DEBRIS BASINS ALONG STREAMS/CHANNELS (revised 8-17-09)

Focused biosurvey by BonTerra (E) Enlarged Debris Basin		21 Critical Debris Basins Permitted		* Permitted for Sediment Removal due to Burned Watersheds		*** To Be Added to Amendment Permit		** SPINKS DB - New Maintenance Area							
FACILITY NAME	ESTIMATED MOWING AREA (SQ FT)	ESTIMATED MOWING AREA (ACRES)	ESTIMATED AREA @ 25% CAPACITY (SQ FT)	ESTIMATED AREA @ 25% CAPACITY (ACRES) 2007	ESTIMATED AREA @ 25% CAPACITY (ACRES) 2009	ESTIMATED AREA @ 100% CAPACITY (SQ FT)	ESTIMATED AREA @ 100% CAPACITY (ACRES)	Maximum Capacity CY	NAME OF USGS 1:24,000 QUAD	LATITUDE (FROM USGS 1:24,000 QUAD)	LONGITUDE (FROM USGS 1:24,000 QUAD)	THOMAS GUIDE PG & GRID (1992+)	UPSTREAM CANYON WATERCOURSE	MAINT. AREA	
1	ALISO	92815	2.1	124043	2.85	2.85	245600	5.6	41700.0	OAT MOUNTAIN	34°16'33"	118°31'32"	501-A1	ALISO CYN	WEST
2	ARBOR DELL (E)	6755	0.2	13805	0.3	0.32	25886	0.6	12400.0	PASADENA	34°08'50"	118°11'30"	565-C4	UNNAMED	WEST
3	AUBURN (E)	33376	0.8	40390	0.9	0.93	67136	1.5	38500.0	MT WILSON	34°10'26"	118°03'20"	567-A1	UNNAMED	EAST
4	BAILEY	50279	1.2	69163	1.6	1.74	218376	5.0	128800.0	MT WILSON	34°10'19"	118°03'39"	566-J1	BAILEY CYN	EAST
5	BEATTY	104592	2.4	56367	1.3	2.40	245156	5.6	51000.0	AZUSA	34°08'52"	117°53'57"	569-A4	BEATTY CYN	EAST
6	BIG DALTON *	254976	5.9	106259	2.4	6.46	513034	11.8	58000.0	GLENDORA	34°09'19"	117°50'00"	569-H2	BIG DALTON CYN	EAST
7	BIG BRIAR	1729	0.0	3239	0.1	0.07	6740	0.2	2600.0	PASADENA	34°13'28"	118°11'57"	535-B1	UNNAMED	WEST
8	BLANCHARD	22134	0.5	33893	0.8	0.78	75460	1.7	74500.0	SUNLAND	34°15'10"	118°16'12"	504-C4	BLANCHARD CYN	WEST
9	BLUE GUM	18391	0.4	31057	0.7	0.71	49848	1.1	39600.0	SUNLAND	34°15'20"	118°16'30"	504-B4	BLUE GUM CYN	WEST
10	BRACE (E)	23306	0.5	36801	0.8	0.84	59105	1.4	30300.0	BURBANK	34°12'52"	118°19'19"	533-F2	BRACE CYN	WEST
11	BRACEMAR	2260	0.1	4281	0.1	0.10	5844	0.1	700.0	BURBANK	34°12'50"	118°19'26"	533-F2	UNNAMED	WEST
12	BRADBURY	105742	2.4	97504	2.2	2.43	201988	4.6	66700.0	AZUSA	34°09'21"	117°58'02"	568-B3	BRADBURY CYN	EAST
13	BRAND *	67673	1.6	97240	2.2	2.23	147725	3.4	165000.0	BURBANK	34°11'03"	118°16'31"	534-B6	BRAND CYN	WEST
14	BUENA VISTA	20317	0.5	8039	0.2	0.47	56991	1.3	21800.0	AZUSA	34°09'45"	117°58'40"	568-A2	UNNAMED	EAST
15	CARRIAGE HOUSE	4832	0.1	95390	0.8	0.18	35429	0.8	6100.0	MT WILSON	34°10'33"	118°04'07"	536-H7	UNNAMED	EAST
16	CARTER (E)	10473	0.2	12567	0.3	0.33	42673	1.0	27700.0	MT WILSON	34°10'28"	118°02'58"	537-A7	UNNAMED	EAST
17	CASSARA	13408	0.3	23669	0.5	0.54	43842	1.0	37000.0	SUNLAND	34°16'44"	118°21'23"	503-B1	CASSARA CYN	WEST
18	CHAMBERLAIN	6891	0.2	2477	0.1	0.17	23704	0.5	7018.0	PASADENA	34°10'07"	118°10'51"	565-D1	UNNAMED	EAST
19	CHANDLER	10263	0.2	20468	0.5	0.47	38682	0.9	14666.0	BURBANK	34°13'24"	118°20'41"	533-C1	CHANDLER CYN	WEST
20	CHILDS *	18757	0.4	42447	1.0	0.97	88755	2.0	50400.0	BURBANK	34°11'20"	118°16'43"	534-B6	CHILDS CYN	WEST
21	CLOUD CREEK	4159	0.1	8673	0.2	0.20	15276	0.4	14800.0	PASADENA	34°14'49"	118°14'34"	504-F5	UNNAMED	WEST
22	CLOUDCROFT	16075	0.4	16075	0.4	0.37	37073	0.9	34700.0	TOPANGA	34°02'57"	118°34'12"	630-E4	PARKER CYN	SOUTH
23	COOKS***	8294	0.2	16679	0.4	0.41	32934	0.8	85600.0	BURBANK	34°14'49"	118°15'42"	504-D5	COOKS CYN	WEST
24	COOKS M-1A***	4513	0.1	10953	0.2	0.26	20611	0.5	33700.0	BURBANK	34°14'56"	118°15'38"	504-D5	COOKS CYN	WEST
25	CRESTVIEW	1947	0.0	10550	0.2	0.24	18984	0.4	9000.0	AZUSA	34°09'12"	117°56'53"	568-D3	UNNAMED	EAST
26	DEER	37200	0.9	62191	1.4	1.43	88288	2.0	55800.0	PASADENA	34°11'35"	118°14'27"	534-F5	DEER CR	WEST
27	DENVILLE	12135	0.3	18631	0.4	0.43	41055	0.9	8200.0	SUNLAND	34°16'20"	118°17'59"	503-J1	UNNAMED	WEST
28	DEVONWOOD (E)	7176	0.2	2727	0.1	0.18	22897	0.5	10800.0	PASADENA	34°12'25"	118°07'49"	536-A3	UNNAMED	EAST
29	DRY CANYON - SOUTH FORK	5665	0.1	11128	0.3	0.26	22759	0.5	7900.0	CANOGA PARK	34°08'10"	118°37'25"	559-G7	UNNAMED	WEST
30	DUNSMUIR	36983	0.8	58893	1.3	1.31	113264	2.6	101900.0	BURBANK	34°14'51"	118°15'07"	504-E5	DUNSMUIR CYN	WEST
31	EAGLE	21210	0.5	25517	0.7	0.68	47838	1.1	62400.0	PASADENA	34°14'07"	118°14'09"	504-G6	EAGLE/GOSS CYN	WEST
32	ELMWOOD	25420	0.6	60742	1.4	1.39	97842	2.2	66400.0	BURBANK	34°11'27"	118°17'07"	534-A6	ELMWOOD CYN	WEST
33	EMERALD-EAST	34075	0.8	31580	0.7	0.79	95882	2.2	17000.0	GLENDORA	34°07'38"	117°45'53"	570-G8	UNNAMED	EAST
34	ENGLEWILD *	37163	0.9	24781	0.6	0.85	59972	2.2	58000.0	GLENDORA	34°09'32"	117°50'52"	569-G2	ENGLEWILD CYN	EAST
35	FAIR OAKS	35070	0.8	31559	0.7	0.91	52379	1.2	23900.0	PASADENA	34°12'12"	118°08'23"	535-J3	UNNAMED	EAST
36	FERN (E)	12826	0.3	10959	0.3	0.29	57202	1.3	43200.0	PASADENA	34°12'13"	118°08'51"	535-H3	CHIQUITA CYN	EAST
37	FIELDBROOK	22106	0.5	28745	0.7	1.14	37651	1.0	11000.0	LA HABRA	33°57'51"	117°53'39"	709-B1	UNNAMED	EAST
38	GOLF CLUB DRIVE	7324	0.2	12755	0.3	0.29	23312	0.5	14700.0	PASADENA	34°10'10"	118°12'11"	565-B1	SYCAMORE CYN	WEST
39	GORDON * (E)	21073	0.5	15694	0.4	0.55	65933	1.5	33100.0	GLENDORA	34°08'29"	117°49'42"	569-J4	GORDON CYN	EAST
40	GOULD	31444	0.7	44319	1.0	1.02	126388	2.9	49600.0	PASADENA	34°12'54"	118°11'33"	535-C2	GOULD CYN	WEST
41	GOULD UPPER	2717	0.1	4524	0.1	0.10	9137	0.2	52000.0	PASADENA	34°13'24"	118°11'33"	535-C1	GOULD CYN	WEST
42	HALLS (E)	92712	2.1	60527	1.4	2.13	121368	2.8	89400.0	PASADENA	34°19'20"	118°13'15"	534-J1	HALL BECKLEY CYN	WEST
43	HARROW	61899	1.4	30785	0.7	0.32	131321	3.0	65392.0	GLENDORA	34°09'23"	117°51'40"	569-E3	HARROW CYN	EAST
44	HAVEN WAY	49108	1.1	85008	1.8	1.84	157596	3.6	34416.0	BURBANK	34°12'38"	118°19'09"	533-G3	MCCLURE CYN	WEST
45	HAY (E)	16257	0.4	27019	0.6	0.62	41830	1.0	34400.0	PASADENA	34°13'26"	118°12'16"	535-B1	HAY CYN	WEST
46	HILLCREST	34419	0.8	42273	1.0	1.04	123171	2.8	57800.0	BURBANK	34°10'43"	118°15'54"	534-D7	HILLCREST/SHERER CYN	WEST
47	HOG	50165	1.2	64308	1.5	1.32	99881	2.3	38600.0	SAN FERNANDO	34°19'50"	118°27'50"	481-H1	HOG CYN	WEST
48	HOOK EAST (E)	21255	0.5	38990	0.8	0.85	50164	1.2	33900.0	AZUSA	34°09'12"	117°52'35"	569-C3	UNNAMED	EAST
49	HOOK WEST (E)	39918	0.9	39267	0.9	1.13	74422	1.7	33700.0	AZUSA	34°09'13"	117°52'44"	569-C3	UNNAMED	EAST
50	INVERNESS	8663	0.2	8849	0.2	0.20	17617	0.4	3300.0	PASADENA	34°10'40"	118°10'51"	535-F7	UNNAMED	EAST
51	IRVING DRIVE	1431	0.0	2025	0.0	0.05	3730	0.1	1200.0	BURBANK	34°12'28"	118°19'15"	533-F3	UNNAMED	WEST
52	KINNELOA-EAST (E)	9741	0.2	21112	0.5	0.84	44510	1.0	36000.0	MT WILSON	34°10'59"	118°04'58"	536-G6	UNNAMED	EAST
53	KINNELOA-WEST (E)	14096	0.3	23081	0.5	0.55	48257	1.1	35000.0	MT WILSON	34°11'04"	118°05'05"	536-F6	UNNAMED	EAST
54	LA TUNA	265533	6.1	341858	7.8	7.88	656988	15.1	495300.0	BURBANK	34°14'12"	118°19'37"	503-E6	LA TUNA CYN	WEST
55	LANNAN	68858	1.6	28646	0.7	0.64	92736	2.1	41400.0	MT WILSON	34°10'21"	118°01'56"	567-C1	UNNAMED	EAST
56	LAS FLORES	21970	0.5	23122	0.5	0.49	72412	1.7	54800.0	PASADENA	34°12'05"	118°07'32"	536-B4	LAS FLORES CYN	EAST
57	LAS LOMAS (E)	10607	0.2	17117	0.4	0.49	38289	0.9	17000.0	AZUSA	34°09'14"	117°55'40"	568-D3	UNNAMED	EAST
58	LIMEKILN	348410	8.0	393222	9.0	9.90	576697	13.2	171600.0	OAT MOUNTAIN	34°15'38"	118°33'25"	500-F4	LIMEKILN CYN	WEST
59	LINCOLN	22504	0.5	41836	1.0	0.96	90283	2.1	44000.0	PASADENA	34°12'10"	118°09'22"	535-G4	UNNAMED/WEST Ravine CYN	EAST
60	LINDA VISTA	4531	0.1	6161	0.1	0.14	17524	0.4	3200.0	PASADENA	34°10'14"	118°11'54"	565-B1	UNNAMED	WEST
61	LITTLE DALTON *	229076	5.3	163596	3.8	5.56	570987	13.1	627000.0	GLENDORA	34°09'25"	117°50'14"	569-H2	LITTLE DALTON CYN	EAST
62	MADDOCK	53742	1.2	42206	1.0	1.29	110920	2.5	45000.0	AZUSA	34°09'16"	117°57'03"	568-D3	MADDOCK CYN	EAST
63	Marston/Panagon	8712	0.2			0.71	33105	0.8	6100.0	NEWHALL	34 4591	118 5250	4460-J4	BOUCQUET CYN	WEST
64	MAY NO 1	91703	2.1	78737	1.8	2.37	196301	4.5	64000.0	SAN FERNANDO	34°19'52"	118°25'42"	482-C1	MAY CYN	WEST
65	MAY NO 2	13620	0.3	22078	0.5	0.51	44857	1.0	10000.0	SAN FERNANDO	34°19'48"	118°25'38"	482-C1	UNNAMED	WEST
66	MONUMENT	18790	0.4	19245	0.4	0.46	33928	0.8	6800.0	SAN DIMAS	34°07'05"	117°48'10"	680-C2	UNNAMED	EAST
67	MORGAN * (E)	36112	0.8	54242	1.2	1.25	133372	3.1	79100.0	GLENDORA	34°08'28"	117°49'10"	570-A4	MORGAN CYN	EAST
68	MOUNTBATTEN (E)	4036	0.1	6831	0.2	0.16	10455	0.2	1400.0	PASADENA	34°10'39"	118°14'25"	534-G7	UNNAMED	WEST
69	MULL *	12046	0.3	15676	0.4	0.37	33211	0.8	20150.0	GLENDORA	34°08'27"	117°49'38"	569-J4	MULL CYN	EAST
70	MULLALLY	9309	0.2	7486	0.2	0.25	21684	0.5	14000.0	PASADENA	34°14'28"	118°13'14"	504-J6	MULLALLY CYN	WEST
71	NICHOLS	44078	1.0	44078	1.0	1.01	58906	1.4	16858.0	HOLLYWOOD	34°06'23"	118°21'31"	593-B3	NICHOLS CYN	SOUTH
72	OAK (E)	10510	0.2	20055	0.5	0.50	41930	1.0	16856.0	PASADENA	34°14'40"	118°14'48"	504-F5	UNNAMED	WEST

Los Angeles County Department of Public Works
161 DEBRIS BASINS ALONG STREAMS/CHANNELS (revised 8-17-09)

Focused biosurvey by BonTerra 21 Critical Debris Basins Permitted		(E) Enlarged Debris Basin * Permitted for Sediment Removal due to Burned Watersheds		** To Be Added to Amendment Permit ** SPINKS DB - New Maintenance Area											
FACILITY NAME	ESTIMATED MOWING AREA (SQ FT)	ESTIMATED MOWING AREA (ACRES)	ESTIMATED AREA @ 25% CAPACITY (SQ FT)	ESTIMATED AREA @ 25% CAPACITY (ACRES) 2007	ESTIMATED AREA @ 25% CAPACITY (ACRES) 2009	ESTIMATED AREA @ 100% CAPACITY (SQ FT)	ESTIMATED AREA @ 100% CAPACITY (ACRES)	Maximum Capacity CY	NAME OF USGS 1:24,000 QUAD	LATITUDE (FROM USGS 1:24,000 QUAD)	LONGITUDE (FROM USGS 1:24,000 QUAD)	THOMAS GUIDE PG & GRID (1992+)	UPSTREAM CANYON WATERCOURSE	MAINT. AREA	
73	OAKGLADE (E)	9513	0.2	19191	0.4	0.44	21812	0.5	14900.0	AZUSA	34°10'25"	117°59'39"	567-H1	UNNAMED	EAST
74	OAKMONT VIEW DRIVE	4575	0.1	8094	0.2	0.19	15055	0.3	3400.0	PASADENA	34°12'14"	118°14'23"	534-G4	UNNAMED	WEST
75	OLIVER	56325	1.3	58251	1.3	1.57	111935	2.6	32100.0	SUNLAND	34°16'34"	118°20'52"	503-C1	OLIVER CYN	WEST
76	PICKENS	31058	0.7	58222	1.3	1.34	104834	2.4	131400.0	PASADENA	34°13'16"	118°13'43"	534-H1	PICKENS CYN	WEST
77	PINELAWN	3399	0.1	5630	0.1	0.13	8977	0.2	3200.0	PASADENA	34°14'50"	118°14'27"	504-F5	UNNAMED	WEST
78	ROWLEY (UPPER)	21215	0.5	30660	0.7	0.60	62525	1.4	28800.0	SUNLAND	34°16'05"	118°17'08"	504-A2	ROWLEY CYN	WEST
79	ROWLEY	34690	0.8	47049	1.1	1.08	102545	2.4	37700.0	SUNLAND	34°15'50"	118°17'26"	504-A3	ROWLEY CYN	WEST
80	RUBIO (E)	62282	1.4	64138	1.5	1.76	217629	5.0	148040.0	MT.WILSON	34°11'56"	118°07'19"	536-B4	RUBIO CYN	EAST
81	RUBY (LOWER) (E)	25644	0.6	44199	1.0	1.04	68776	1.6	40200.0	AZUSA	34°09'51"	117°59'54"	567-G2	RUBIO CYN	EAST
82	FYE	82764	1.9				150718	3.5	19100.0	NEWHALL	34°26'26"	118°34'36"	4460-C7	UNNAMED	WEST
83	SANTA ANITA**	221925	5.1	211939	4.9	5.63	795676	18.3	394600.0	MT.WILSON	34°10'14"	118°01'16"	567-E1	SANTA ANITA CYN	EAST
84	SAWPIIT**	149136	3.4	187515	4.3	4.89	530196	12.2	635700.0	AZUSA	34°10'05"	117°59'29"	567-H1	SAWPIIT/MONROVIA/SPANISH CYN	EAST
85	SCHOOLHOUSE	38894	0.8	56911	1.3	1.31	117705	2.7	67700.0	SAN FERNANDO	34°19'32"	118°27'29"	481-H1	SCHOOLHOUSE CYN	WEST
86	SCHOLL	21780	0.5				74052	1.7	9300.0	PASADENA	34°09'12"	118°12'03"	565-B4	SCHOLL CYN	WEST
87	SCHWARTZ	20167	0.5	30182	0.7	0.69	87872	2.0	45400.0	SUNLAND	34°16'32"	118°20'32"	503-D1	SCHWARTZ CYN	WEST
88	SHIELDS (UPPER)	5934	0.1	14465	0.3	0.33	33760	0.8	5600.0	PASADENA	34°14'52"	118°14'15"	504-G5	SHIELDS CYN	WEST
89	SHIELDS	16677	0.4	26783	0.6	0.61	41724	1.0	34800.0	PASADENA	34°14'23"	118°14'22"	504-F8	SHIELDS CYN	WEST
90	SIERRA MADRE DAM	50330	1.2	61000	1.4	1.10	130123	3.0	152000.0	MT.WILSON	34°10'34"	118°02'31"	537-B7	LITTLE SANTA ANITA CYN	EAST
91	SIERRA MADRE VILLA	368444	8.5	54448	1.2	8.68	709471	16.3	402250.0	MT.WILSON	34°10'16"	118°04'36"	566-G1	PASADENA GLENHASTINGS CYN	EAST
92	SNOVER	18942	0.4	42878	1.0	0.98	70588	1.6	23400.0	PASADENA	34°1348"	118°13'22"	504-H7	SNOVER CYN	WEST
93	SOMBRERO	78676	1.8	96362	2.2	2.21	153487	3.5	23400.0	SAN FERNANDO	34°19'52"	118°28'07"	481-G1	SOMBRERO CYN	WEST
94	SPINKS**	100624	2.3	53928	1.2	1.48	189590	4.4	59200.0	AZUSA	34°09'06"	117°57'42"	568-C3	SPINKS CYN	EAST
95	STARFALL	15165	0.3	22560	0.5	0.52	40386	0.9	14900.0	PASADENA	34°1447"	118°14'11"	504-G5	EAGLE CYN	WEST
96	STETSON	47446	1.1	65588	1.5	1.51	112533	2.6	41300.0	SAN FERNANDO	34°1941"	118°28'27"	481-F1	UNNAMED	WEST
97	STOUGH	80009	1.8	103919	2.4	2.39	140167	3.2	181200.0	BURBANK	34°12'00"	118°18'09"	533-H4	STOUGH CYN	WEST
98	STURTEVANT	1943	0.0	965	0.0	0.04	9657	0.2	1400.0	MT.WILSON	34°10'18"	118°02'22"	567-C1	UNNAMED	EAST
99	SULLIVAN	51085	1.2	51355	1.2	1.18	105902	2.4	51000.0	TOPANGA	34°04'24"	118°30'26"	631-C1	SULLIVAN CYN	SOUTH
100	SUNNYSIDE	4334	0.1	5297	0.1	0.12	18430	0.4	5000.0	MT.WILSON	34°10'26"	118°03'52"	535-J7	UNNAMED	EAST
101	SUNSET (LOWER)	68772	1.6	85931	2.0	2.10	182325	4.2	160600.0	BURBANK	34°1145"	118°17'44"	533-J5	SUNSET CYN	WEST
102	SUNSET (UPPER)	14306	0.3	21801	0.5	0.50	48018	1.1	15900.0	BURBANK	34°12'18"	118°17'03"	534-A4	SUNSET CYN	WEST
103	SUNSET CANYON-DEER	2861	0.1	5326	0.1	0.12	18693	0.4	5000.0	BURBANK	34°12'05"	118°17'10"	534-A4	DEER CYN	WEST
104	TURNBULL	28433	0.7	28433	0.7	0.65	59128	1.4	21600.0	WHITTIER	33°59'15"	118°01'35"	677-E5	TURNBULL CYN	SOUTH
105	VERDUGO	124332	2.9	156881	3.6	3.60	233566	6.7	131000.0	PASADENA	34°12'08"	118°14'09"	534-G4	VERDUGO WASH	WEST
106	WARD	11382	0.3	18233	0.4	0.42	32049	0.7	12400.0	PASADENA	34°1439"	118°14'52"	504-F5	WARD CYN	WEST
107	WEST RAVINE	28392	0.7	28509	0.7	0.80	67692	1.6	39212.0	PASADENA	34°12'18"	118°08'51"	535-H3	UNNAMED	EAST
108	WESTRIDGE (E)	4222	0.1	6287	0.1	0.16	10517	0.2	1400.0	GLENDORA	34°09'01"	117°52'15"	569-D3	UNNAMED	EAST
109	WILDWOOD	29884	0.7	39386	0.9	0.90	59563	1.3	22500.0	OAT MOUNTAIN	34°22'06"	118°31'56"	4840-J3	UNNAMED	WEST
110	WILLIAM S HART PARK	6178	0.1	13783	0.3	0.32	21191	0.5	2400.0	OAT MOUNTAIN	34°22'27"	118°31'42"	4840-J2	UNNAMED	WEST
111	WILSON	84356	1.9	118470	2.7	2.72	386819	8.9	313100.0	SAN FERNANDO	34°1946"	118°26'41"	482-A1	WILSON CYN	WEST
112	WINERY	28878	0.7	34070	0.8	0.82	60260	1.4	29200.0	PASADENA	34°13'30"	118°12'33"	535-A1	WINERY CYN	WEST
113	ZACHAU	30972	0.7	41335	0.9	0.95	86408	2.0	38600.0	SUNLAND	34°16'02"	118°17'25"	504-A2	ZACHAU CYN	WEST
114	WILBUR (Special Structure)	70331	1.6	81864	1.9	1.88	98546	2.3	5000.0	CANOGA PARK	34°13'55"	118°32'45"	500-G7	ALISO/WILBUR CR	WEST
115	BELL CREEK	76060	1.7	118444	2.6	2.61	188174	3.9	17000.0	CALABASAS	34°12'00"	118°39'20"	529-D5	BELL CR	WEST
116	BRAMHALL	40002	0.9	39184	0.9	0.79	80878	1.9	20170.0	LA HABRA	33°58'00"	117°52'30"	709-C1	VERNON CHANNEL	EAST
117	CALLE ROBLEDA - PD1505	6335	0.1	7978	0.2	0.15	17891	0.4	7100.0	CALABASAS	34°08'15"	118°44'20"	558-D6	LIBERTY CYN	WEST
118	CONTENTO DB - MTD 1221	6431	0.1	11351	0.3	0.25	28676	0.7	6890.0	PASADENA	34°10'15"	118°13'15"	564-J2	SYCAMORE CYN CHANNEL	WEST
119	CRESCENT GLEN	4905	0.1	15092	0.3	0.35	44408	1.0	18500.0	GLENDORA	34°08'30"	117°49'15"	570-A5	OAK PARK DRAIN SYS.	EAST
120	FULLERTON (PD2202-U2)	50049	1.1	55588	1.3	1.30	74731	1.7	18676.0	LA HABRA	33°58'00"	117°53'30"	708-H1	SAN JOSE CR	EAST
121	GOOSEBERRY	17492	0.4	20460	0.5	0.57	77070	1.8	33857.0	CHILAO FLAT	34°20'30"	118°07'15"	536-B5	GOOSEBERRY CR	EAST
122	GOSS INLET - PD655B	21565	0.5	23996	0.6	0.55	37444	0.9	5400.0	PASADENA	34°14'15"	118°13'15"	535-C1	GOSS CYN	WEST
123	HARBOR BLVD (PD2202-U2)	21123	0.5	25664	0.6	0.59	54560	1.3	10749.0	LA HABRA	33°58'00"	117°54'00"	708-J1	SAN JOSE CR	EAST
124	HARTER LANE - PD22	10355	0.2	14059	0.3	0.32	36517	0.8	9600.0	PASADENA	34°13'30"	118°11'45"	535-C1	HARTER CYN	WEST
125	HAZEL NUT DB (PD 2488)	15343	0.4	10803	0.2	0.44	18241	0.4	5621.0	POINT DUME	34°6'25"	118°47'17"	587-G4	LA SIERRA CYN	WEST
126	HILLMAN	9814	0.2	17385	0.4	0.41	43419	1.0	9652.0	LA HABRA	33°58'30"	117°53'00"	679-C7	SAN JOSE CR	EAST
127	LOPEZ INLET	51342	1.2	57297	1.3	1.29	70514	1.6	13000.0	SAN FERNANDO	34°17'30"	118°24'15"	482-A4	LOPEZ CYN	WEST
128	MTD 0510 MONTANA	9452	0.2	12790	0.3	0.29	23517	0.5	7600.0	BURBANK	34°12'00"	118°17'25"	534-A5	BURBANK EASTERN SYS.	WEST
129	MTD 1317-SKYRIDGE	6372	0.1	13663	0.3	0.31	29597	0.7	9800.0	BURBANK	34°14'50"	118°15'40"	504-D4	COOKS CYN	WEST
130	OAK PARK	8651	0.2	21625	0.5	0.50	41549	1.0	6200.0	GLENDORA	34°08'30"	117°49'15"	570-A5	OAK PARK DRAIN SYS.	EAST
131	PD 2099 SHADOW	19755	0.5	26257	0.6	0.60	68805	1.6	6980.0	MINT CANYON	34°28'12"	118°29'24"	4461-E3	BOUQUET CYN	WEST
132	PD 2157 YUCCA	10588	0.2	12958	0.3	0.30	35239	0.6	11790.0	NEWHALL	34°28'12"	118°37'12"	4459-G2	CASTAIC CR	WEST
133	PD 2176 LINE "A"	8686	0.2	17408	0.4	0.40	37431	0.9	8930.0	NEWHALL	34°23'24"	118°31'48"	4451-A6	SANTA CLARA RIVER	WEST
134	PD 2444 WHITNEY	48917	1.1	64070	1.5	1.45	145739	3.3	10049.0	VAL VERDE	34°28'30"	118°38'30"	4459-E2	CASTAIC CR	WEST
135	PD 2247 SADDLEBACK #1	9611	0.2	16611	0.4	0.47	34690	0.8	11865.0	MINT CANYON	34°23'30"	118°24'00"	4552-E5	IRON CYN	WEST
136	PD 2247 SADDLEBACK #2	26217	0.6	39100	0.9	0.87	68308	1.6	22900.0	MINT CANYON	34°23'30"	118°24'00"	4552-E5	IRON CYN	WEST
137	PD 2247 SADDLEBACK #3	34576	0.8	50893	1.2	1.10	93828	2.2	44000.0	MINT CANYON	34°23'30"	118°24'00"	4552-E5	IRON CYN	WEST
138	PD 2275 VICTORIA	11503	0.3	18888	0.4	0.43	42817	1.0	14500.0	WHITAKER PEAK	34°30'20"	118°38'10"	4369-E5	VIOLIN CYN	WEST
139	PD 2279 KNOLL DB	10593	0.2	19337	0.4	0.58	45745	1.1	10160.0	VAL VERDE	34°28'30"	118°38'00"	4459-F2	CASTAIC CR	WEST
140	PD 2467 WEDGEWOOD	23154	0.7	44148	1.0	1.01	84798	1.9	8188.0	NEWHALL	34°28'00"	118°37'10"	4459-H3	CASTAIC CR	WEST
141	PD1358-LA SALLE	18998	0.4	25066	0.6	0.58	47568	1.1	14900.0	OAT MOUNTAIN	34°21'40"	118°33'00"	4640-G4	SANTA CLARA RIVER	WEST
142	PD1386-COPPER HILL LINE "B"	49142	1.1	28765	0.7	1.24	67707	1.8	7900.0	MINT CANYON	34°27'40"	118°29'50"	4461-C4	BOUQUET CYN	WEST
143	PD1683-HIPSHOT#1	8477	0.2	8965	0.2	0.22	18974	0.4	5300.0	NEWHALL	34°29'10"	118°37'30"	4369-F6	CASTAIC CREEK	WEST
144	PD1920-ROYAL TERMINUS	14099	0.3	19248	0.4	0.44	33637	0.8	6190.0	NEWHALL	34°29'30"	118°37'45"	4369-F6	VIOLIN CYN	WEST

Los Angeles County Department of Public Works
161 DEBRIS BASINS ALONG STREAMS/CHANNELS (revised 8-17-09)

Focused biosurvey by BonTerra		(E) Enlarged Debris Basin		*** To Be Added to Amendment Permit											
21 Critical Debris Basins Permitted		* Permitted for Sediment Removal due to Burned Watersheds		** SPINKS DB - New Maintenance Area											
FACILITY NAME	ESTIMATED MOWING AREA (SQ FT)	ESTIMATED MOWING AREA (ACRES)	ESTIMATED AREA @ 25% CAPACITY (SQ FT)	ESTIMATED AREA @ 25% CAPACITY (ACRES) 2007	ESTIMATED AREA @ 25% CAPACITY (ACRES) 2009	ESTIMATED AREA @ 100% CAPACITY (SQ FT)	ESTIMATED AREA @ 100% CAPACITY (ACRES)	Maximum Capacity CY	NAME OF USGS 1:24,000 QUAD	LATITUDE (FROM USGS 1:24,000 QUAD)	LONGITUDE (FROM USGS 1:24,000 QUAD)	THOMAS GUIDE PG & GRID (1992+)	UPSTREAM CANYON WATERCOURSE	MAINT AREA	
145	PD1974-GREEN HILL # 1	19398	0.4	23033	0.5	0.64	63678	1.5	14400.0	WARM SPRINGS	34 30'00"	118 37'45"	4369-F5	VIOLIN CYN	WEST
146	PD1974-GREEN HILL # 2	7531	0.2	10584	0.2	0.24	34304	0.8	8054.0	WARM SPRINGS	34 30'10"	118 37' 50"	4369-F5	VIOLIN CYN	WEST
147	PD2049-MUSTANG	15484	0.4	27981	0.6	0.71	45696	1.0	21807.0	VAL VERDE	34 30'00"	118 38'00"	4369-F5	VIOLIN CYN	WEST
148	PD2097-CARDIFF	34312	0.8	51182	1.2	1.76	91630	2.1	15880.0	NEWHALL	34 24'15"	118 37'30"	4550-J5	SANTA CLARA RIVER	WEST
149	PD2097-STRATFORD	74053	1.7	60180	1.4	2.01	125471	2.9	13985.0	NEWHALL	34 24'00"	118 37'40"	4550-J5	SANTA CLARA RIVER	WEST
150	PD2101-FT. TEJON RD BASIN	36832	0.8	49778	1.1	1.14	59869	1.4	19036.0	PALMDALE	34 33'15"	118 02'30"	4287-A4	DESERT AREA	WEST
151	PD2103-AVE T-8 RET BASIN	6170	0.1	9512	0.2	0.21	17093	0.4	11600.0	PALMDALE	34 32'00"	118 02'25"	4287-A7	WALNUT CREEK	WEST
152	PD2136-AVE S RET BASIN	78549	1.8	144121	3.3	3.31	277481	6.4	54530.0	LITTLE ROCK	34 33'25"	117 57'40"	4288-A3	ANTELOPE VALLEY	WEST
153	PD2223-CRYSTAL SPRINGS # 1	5022	0.1	9196	0.2	0.21	16556	0.4	5521.0	MINT CANYON	34 24'25"	118 24'30"	4552-E4	SAND CYN	WEST
154	PD2284-CORDOBA	237222	5.4	325154	7.5	0.37	518007	11.9	5366.0	VAL VERDE	34 28'40"	118 38'40"	4459-E2	HASLEY CYN	WEST
155	PD2389-OAKDALE	48635	1.1	71452	1.6	1.72	114470	2.6	26298.0	MINT CANYON	34 23' 52"	118 27'17"	4551-J-5,6	BOUJOUET CYN	WEST
156	PD354-CAMP PLENTY	15102	0.3	20105	0.5	0.46	41672	1.0	7100.0	MINT CANYON	34 25'50"	118 28'30"	4551-F1	SANTA CLARA RIVER	WEST
157	SLOAN - PD1726	13897	0.3	18937	0.4	0.45	33585	0.8	6420.0	CALABASAS	34 10'10"	118 41'45"	558-A3	LAS VIRGENES	WEST
158	THOUSAND OAKS -PD1726	32553	0.7	37338	0.9	1.02	78683	1.8	7720.0	CALABASAS	34 10'00"	118 41'50"	559-A3	LAS VIRGENES	WEST
159	GREENSBRIER DB-PD2495	35,284	0.83	49223		1.13	87,728	2	44,530	NEWHALL	34 22' 12"	118 35' 38"	4640-C4	PICO CANYON	WEST
160	STEVENSON RANCH DB-PD 2528	144,123	3.3	173032		4.11	239,303	5.5	165,000	NEWHALL	34 22' 58"	118 34' 51"	4640-C1	PICO CANYON	WEST
161	WELLINGTON DB-PD2202-UNIT B	16552	0.38	21344		0.49	33105	0.76	6,700	LAHABRA	33 57' 27"	117 55' 10"	708-H2	SAN JOSE CREEK	SOUTH