

NEWHALL LAND

November 26, 2012

[Via electronic mail]

Mr. Samuel Unger, Executive Officer
California Regional Water Quality Control Board,
Los Angeles Region
320 West Fourth Street, Suite 200
Los Angeles, California 90013
losangeles@waterboards.ca.gov

RE: SUBMITTAL OF ANNUAL REPORT OUTLINE
NEWHALL LAND AND FARMING COMPANY
RESOURCE MANAGEMENT AND DEVELOPMENT PLAN
WDR Order No. R4-2012-0139 (File No. 11-168)

Dear Executive Officer Unger:

Transmitted herewith is the Annual Report outline as required by the Newhall Land & Farming Company Clean Water Act Section 401 Water Quality Certification and Waste Discharge Requirements (WDR) No. R4-2012-0139. The attached Annual Report outline is being submitted for Executive Officer review in accordance with the final order issued to Newhall Land under RWQCB cover letter dated September 27, 2012.

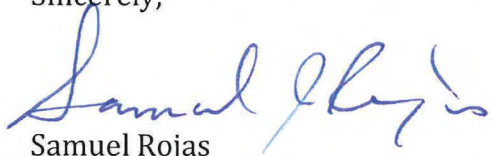
The attached outline captures all of the WDR Annual Report requirements into a format that we hope will facilitate future Executive Officer review of the compliance status of completed projects, projects currently under development, as well as, informing the EO on anticipated future projects. Requirements have been generally grouped by Construction, Maintenance, Compensatory Mitigation efforts, Ranch-wide Monitoring, Education / Outreach, and Recycled Water Use. Specific reporting requirements under each heading are also provided, with the expectation that each item in the Table of Content would be a separate response in the Annual Report. Please note that details for two items included in the Annual Report have a separate timeline for submittal of information to the Executive Officer. The two elements are the *Storm Drain and Receiving Water Monitoring Plan* and the *Geomorphology Monitoring Plan*, both of which are to be submitted for Executive Officer review and approval in the coming months.

I look forward to working with the Regional Board staff to finalize the attached Annual Report outline. As we do not anticipate RMDP project impacts to waters of the State during the initial Annual Report period (November 2012 thru February 2013), the initial Annual Report is not likely

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to contain substantive information. If amenable to the Executive Officer, we would like to focus the initial report, due April 1, 2013, on perfecting the Annual Report outline and developing standard formats for presenting summary information. Please feel free to contact Sam Rojas at (661) 255-4283 with any questions pertaining to this submittal.

Sincerely,




Samuel Rojas
Manager, Environmental Resources
The Newhall Land and Farming Company

Attachment: **Annual Report Outline** (WDR R4-2012-0139; File No. 11-168)

Certification:

"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 the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Executed on the 26th day of November, 2012 at 25124 Springfield Court, Suite 300, Valencia, California 91355.



(Signature)

Sr. Vice-President, Community Development

(Title)

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Executive Officer Sam Unger
Annual Report Outline (File No. 11-168)
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CC: Valerie CarrilloZara, Section 401 Program, LARWQCB
Aaron Allen, US Army Corps of Engineers
Karen Drewe, California Department of Fish and Game

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

ORDER No. R4-2012-0139

**CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION
AND WASTE DISCHARGE REQUIREMENTS (WDR) FOR:**

**NEWHALL LAND & FARMING COMPANY, PROPOSED RESOURCE
MANAGEMENT AND DEVELOPMENT PLAN AND SPINEFLOWER
CONSERVATION PLAN, SANTA CLARITA, LOS ANGELES COUNTY
(File No. 11-168)**

ANNUAL REPORT OUTLINE

**Prepared by: Newhall Land & Farming
Dated: November 21, 2012**

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Appendix A – CDFG MSAA Subnotification Form

Appendix B – CDFG MSAA Accounting Form

Appendix C – Compensatory Mitigation Monitoring Field Form

Appendix D – Site Activity Monitoring Report

EXECUTIVE SUMMARY

Provide an overall context for the report. This includes County Approval and overall Development status of each Newhall Ranch Village. This section would also discuss the relationship of this report to prior year reports and whether this report represents a 5 year review. Status of any permit amendments or plan approvals by the Executive Office (EO) would be discussed in the executive summary. A discussion of resolution of any non-compliance items would be presented as well.

1.0 INTRODUCTION

Background on the Newhall Ranch development project for context. In addition specific information describing the WDR would be presented, including a general summary of project restrictions, conditions and requirements. This section would also discuss the intended use of the Annual Report by the Executive Officer in reviewing Newhall Ranch development's compliance with the WDR.

2.0 RELATIONSHIP TO OTHER PERMITS

A description of other Regional Board approvals (eg., dewatering, NPDES, etc), Corps 404 Permit, CDFG MSA, and USFWS Biological Opinion related to the Newhall Ranch development would be presented. Conditions of the other approvals that overlap or augment requirements of the WDR would be discussed, primarily for those areas that reports or submittals used to document compliance with the other permits are being incorporated into this report. A summary of other permit approvals, construction notifications, construction approvals and authorizations, and approvals of mitigation plans issued by the other agencies would be included in this section. This section also provides opportunity to discuss any revisions, amendments, or updates to any of these other agency permits that may affect compliance with the WDR reporting requirements.

3.0 ORGANIZATION

The Annual Report has been organized to capture the reporting requirements of the WDR, with those requirements aggregated as follows:

- 1) RMDP Facility Construction
- 2) RMDP Facility Maintenance
- 3) RMDP Compensatory Mitigation
- 4) Newhall Ranch Santa Clara Tributary & River Monitoring
- 5) Education and Public Outreach Efforts
- 6) Summary or Recycled Water Use
- 7) Report Certification

4.0 WDR §3.2 Condition No. 2, Annual Project and Mitigation Monitoring Reporting

4.1 RMDP Construction Projects

4.1.1 Summary Completed Construction Projects - Prior Year

4.1.2 Date Construction or Major Work Completed – Prior Year

4.1.3 Status of Ongoing Construction Projects

4.1.4 Schedule to Complete Ongoing Construction Projects

4.1.5 Summary of Impacted Acreage & Volume of Vegetation Removed - Prior Year

4.1.6 Photo Documentation - Pre-, During, and Post- Project Conditions

4.1.7 Detailed Description of Completed Construction Projects - Prior Year

4.1.8 Completed and Ongoing Construction Project Boundary GPS Coordinates

4.1.9 Activities In or Adjacent to Flowing Waters – Prior Year

4.1.9.1 WDR §3.0 Condition No. 13, Water Quality Monitoring of Work Within or Adjacent to Streams

4.1.9.2 Summary results of water quality monitoring

4.1.9.3 Map of monitoring locations

4.1.10 Surface Water Diversions – Prior Year

4.1.10.1 WDR §3.0 Condition No. 14, Surface Water Diversion & Water Quality

4.1.10.2 Summary of water quality monitoring

4.1.10.3 Representative Photographs

4.1.10.4 Map of monitoring locations

4.1.11 Construction Dewatering Discharge- Prior Year

4.1.11.1 Summary of discharge water quality monitoring data

4.1.11.2 Map of discharge locations

4.1.11.3 Dates of discharge

4.1.11.4 Discharge volumes

4.1.12 BMP Installations Monitoring

4.1.12.1 *Narrative and photo documentation during and immediately after project activities*

4.1.12.2 *Photo documentation during storm events*

4.1.13 Evaluation of the Effectiveness of BMPs Utilized

4.1.13.1 *Field observations*

4.1.13.2 *Tabular and narrative summary of results*

4.1.14 Upcoming Construction Activities – Current Year

4.1.14.1 *Schedule of work*

4.1.14.2 *Summary of proposed impacts*

4.2 RMDP Maintenance Projects

4.2.1 Summary Status of Maintenance Projects – Prior Year

4.2.2 Schedule to Complete Ongoing Maintenance

4.2.3 Date Maintenance Projects Completed – Prior Year

4.2.4 Summary of Impacted Acreage – Prior Year

4.2.5 Detailed Description of Maintenance Activities – Prior Year

4.2.5.1 *Maintenance Area Boundary GPS Coordinates*

4.2.5.2 *Estimated Volume of Trash Removed*

4.2.5.3 *Estimated Volume of Sediment Removed*

4.2.6 Upcoming Maintenance Activities – Current Year

4.2.6.1 *Schedule of maintenance work*

4.2.6.2 *Summary of proposed impacts*

4.3 RMDP Compensatory Mitigation

4.3.1.1 Summary Status of All Compensatory Mitigation Projects - Initiated Prior Year.

4.3.2 Status of Ongoing Restoration and Compensatory Mitigation

4.3.2.1 List of completed and ongoing mitigation sites

4.3.2.2 List of appended "CDFG/Corps Annual Mitigation Monitoring Reports"

4.3.2.3 Overview of revegetation efforts and status of meeting performance criteria

4.3.2.4 Summary of completed CRAM and HARC evaluations

4.3.2.5 GPS coordinates outlining completed and ongoing mitigation sites

4.3.2.6 Photo documentation of pre-, during, and post-mitigation site conditions

4.3.2.7 Any other information stipulated in site specific Mitigation Plans (Corps & CDFG approved Plans)

4.3.2.8 Dates mitigation activities completed - prior year

4.3.2.9 Schedule to complete ongoing mitigation

4.3.3 Detailed Description of All Mitigation Implemented – To Date

4.3.3.1 Describe Status of Other Agreements (e.g., Mitigation Banking)

4.3.4 Describe Any Delays in the Mitigation Process – Prior Year

4.3.5 Upcoming Mitigation Activities

4.3.5.1 Summary of proposed mitigation site

4.3.5.2 Schedule of mitigation site implementation

4.3.5.3 GPS coordinates outlining upcoming mitigation sites

4.3.6 Compliance with CA Wetlands Conservation Policy Ensuring "No Overall Loss"

- 4.4 RMDP Newhall Ranch Tributary & River Monitoring Activities**
 - 4.4.1 Results of Storm Drain and Receiving Water Monitoring**
 - 4.4.1.1 Details to be addressed under separate plan to be developed and submitted for EO review within 6 months of WDR issuance*
 - 4.4.2 Results of Geomorphology Monitoring in Tributaries and Santa Clara River**
 - 4.4.2.1 Details to be addressed under separate plan to be developed and submitted for EO review within 6 months of WDR issuance
 - 4.4.3 Discussion of Exotic Plant Control Efforts (If Any)**
 - 4.4.4 Baseline Biological Surveys and Other Biological Information**
 - 4.4.5 Exotic / Invasive Wildlife Species Control Efforts**
 - 4.4.5.1 WDR §3.0 Condition 18, Invasive Aquatic Species Control*
 - 4.4.5.2 Tabulated Summary*
 - 4.4.5.3 Location Maps*
- 4.5 Description of All Education / Outreach Activities – Prior Year**
 - 4.5.1 WEAP Training (Contractors)**
 - 4.5.2 New Homeowner Education**
 - 4.5.3 Open Space& Trail Signage**
 - 4.5.4 LA County Flood Control District & Other Public Agency**
- 4.6 Volume of Treated Effluent Recycled From Newhall Ranch WRP**
 - 4.6.1 WDR §3.0 Condition No. 3, Recycled Water Use**

5.0 REPORT CERTIFICATION

APPENDIX A
CDFG MSAA Subnotification Form

FOR DEPARTMENT USE ONLY				
Date Received	Amount Received	Amount Due*	Date Complete	Subnotification No.
	\$	Pursuant to most recent Streambed Code 1600: http://www.dfg.ca.gov/habcon/1600/forms.html		1600-2004-0016-R5- [REDACTED]

STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
SUBNOTIFICATION OF LAKE OR STREAMBED ALTERATION
Newhall Land Resource Management and Development Plan MSA

This Subnotification form is being submitted in accordance with the State of California Department of Fish and Game Master Streambed Alteration Agreement Number **1600-2004-0016-R5** for the Newhall Land Resource Management and Development Plan, which states that prior to initiating any activities under the Agreement, notification to the Department shall be given on an individual project basis through the use of a Subnotification Form. The Subnotification is to describe the project review as either: **Verification/Consistency Review, Minor Amendment or Major Amendment Processing**. Any notification of transfers of authority for specific activities permitted by this Agreement from Newhall Land (Permittee) to 3rd Parties, state or local governmental agencies, or public utilities (Subpermittees) shall be included on the Subnotification Form, as appropriate.

Use of this Subnotification Form requires that the proposed project be located within the Newhall Land Resource Management and Development Plan study area, which describes a series of individual flood control, bank stabilization, bridge construction, storm drain outlet & inlet structures, and utility crossing projects along the Santa Clara River watershed from the Commerce Center Drive Bridge to the Ventura County Line, and along the lower portion of Castaic Creek in Los Angeles County, and Salt Creek in Los Angeles and Ventura Counties, California. The boundary of the RMDP is consistent with the Newhall Ranch Specific Plan area.

RMDP PROJECT DESIGNATION/NAME: _____

1. PERMITTEE/SUBPERMITTEE PROPOSING PROJECT

Name				
Business/Agency				
Street Address				
City, State, Zip				
Telephone		X	Fax:	Email

2. CONTACT PERSON (Complete only if different from permittee/subpermittee)

Name				
Business/Agency				
Street Address				
City, State, Zip				
Telephone		X	Fax:	Email

3. PROPERTY OWNER (Complete only if different from permittee/subpermittee)

Name				
Business/Agency				
Street Address				
City, State, Zip				
Telephone		X	Fax:	Email

NEWHALL RANCH RMDP SUBNOTIFICATION OF LAKE OR STREAMBED ALTERATION

4. PROJECT LOCATION

A. Description of project location					
B. Tributary affected by the project	<input type="checkbox"/> Santa Clara River / Castaic Creek <input type="checkbox"/> Chiquito <input type="checkbox"/> Lion <input type="checkbox"/> Long <input type="checkbox"/> San Martinez <input type="checkbox"/> Potrero <input type="checkbox"/> Salt <input type="checkbox"/> Other: _____		C. What water body is the river, stream, or lake tributary to:	Santa Clara River, Pacific Ocean	
D. County	Los Angeles	E. USGS 7.5 Minute Quad Map (check one)	<input type="checkbox"/> Newhall <input type="checkbox"/> Val Verde	Township	<input checked="" type="checkbox"/> 4N
				Range	<input type="checkbox"/> 16W <input type="checkbox"/> 17W
F. Meridian	<input checked="" type="checkbox"/> San Bernardino		G. Assessor's Parcel Number(s):		
H. Coordinates (if available, provide at least latitude/longitude or UTM coordinates and check appropriate boxes)					
Latitude/Longitude	Latitude:			Longitude:	
	<input checked="" type="checkbox"/> Degrees/Minutes/Seconds		Datum used:	<input checked="" type="checkbox"/> NAD 83, State Plane Zone V, Ft Coordinates	

5. PROJECT CATEGORY AND WORK TYPE (Check each box that applies)

<input type="checkbox"/>	Verification / Consistency Review	<input type="checkbox"/>	Minor Amendment Review	<input type="checkbox"/>	Major Amendment Review	<input type="checkbox"/>	Maintenance Notification
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PROJECT CATEGORY CONSTRUCTION	RMDP Project Section	NEW CONSTRUCTION	REPLACE EXISTING STRUCTURE	REPAIR/MAINTAIN EXISTING STRUCTURE
Bank stabilization – TRM/Buried Riprap/Bioengineering	6.1 .1 6.2 Table 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank stabilization Rip-rap temporary (vegetated) Rip-rap permanent	6.1.1 6.2 Table 6	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Bank stabilization – Gunite / grouted riprap/concrete	6.1.1 6.1.2 6.2 Table 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
River Bridge Crossing	6.1.2 6.3 Table 5 & 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tributary Crossing (Bridge)	6.1.2 6.2.3 Table 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tributary Crossing (Culvert)	6.2 Table 6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NEWHALL RANCH RMDP SUBNOTIFICATION OF LAKE OR STREAMBED ALTERATION

Tributary Converted to Buried Storm Drain	6.2 Table 6	<input type="checkbox"/>	N/A	N/A
PROJECT CATEGORY CONSTRUCTION (Cont)	RMDP Project Section	NEW CONSTRUCTION	REPLACE EXISTING STRUCTURE	REPAIR/MAINTAIN EXISTING STRUCTURE
Debris basin	6.6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diversion structure – Temp Channel / Cofferd Dam	NA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trail Crossing / Viewing Platforms	6.1.4 6.7.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storm drain outfall / Access ramp structure	6.1.6 6.7.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporary Stream Crossing / Haul Route	6.1.3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utility crossing Horizontal Directional Drilling Jack & bore (w/ microtunneling) Open trench Overhead / Suspended	6.5	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	N/A N/A <input type="checkbox"/> <input type="checkbox"/>	N/A N/A <input type="checkbox"/> <input type="checkbox"/>
PROJECT CATEGORY – URGENT MAINTENANCE / MITIGATION / OTHER ACTIVITIES		NEW CONSTRUCTION	REPLACE EXISTING STRUCTURE	REPAIR/MAINTAIN EXISTING STRUCTURE
Urgent Maintenance Notification	6.4 10.1	N/A	N/A	<input type="checkbox"/>
Geotechnical Investigations	6.7.3	<input type="checkbox"/>	N/A	N/A
Habitat enhancement – revegetation / mitigation / Exotic Invasive Species Control	7.0 8.0 10.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (<i>specify</i>) _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6. PROJECT DESCRIPTION

A. Construction Project - Attached Documents:

Project Description
 Exist. Veg/Land Use Maps
 Aerial w/Project Overlay
 Reference Figure(s) from RMDP
 Bio. Report
 Tree Inventory
 Protocol Survey Results
 Project Impact Analysis
 Ground Level Photos
 Diversion / Dewatering Plan
 Species Relocation Plan
 Construction Schedule
 SWPPP
 Plan Set
 Mitigation Plan
 Mitigation Cost Estimate & Security
 Post-Construction Flood Control Structures Maintenance Plan

NEWHALL RANCH RMDP SUBNOTIFICATION OF LAKE OR STREAMBED ALTERATION

Enclose diagrams, drawings, plans, and/or maps that provide all of the following: site specific construction details; the dimensions of each structure and/or extent of each activity in the bed, channel, bank or floodplain (permanent and temporary impacts depicted separately); an overview of the entire project area (i.e., "bird's-eye view") showing the location of each structure and/or activity, significant features, and where equipment/machinery will enter and exit the project area. Provide project description which characterizes the construction activities to occur, duration and timing of pertinent phases of construction (ie. clearing, excavation in jurisdictional areas, work hours, work season – bird nesting, wet weather/storm events). The Bio. Report shall include descriptions of existing vegetative communities, habitats and species that may be impacted by the covered activities (temporary and permanent impacts by habitat type).

B. Maintenance Activity – Is this a Maintenance Activity pursuant to the Appendix A of the RMDP Maintenance Manual?

Yes (*See below*)

No (*Skip to C*)

At a minimum, the submittal will include: a map showing the limits of maintenance area with current vegetation and proposed impacts; location and details of any required stream diversions; description of maintenance activities and maintenance schedule; species protection / relocation plans and any pertinent additional environmental protections measures; and description of post-maintenance restoration efforts, if any.

B1. Will Maintenance Activity comply with, and be consistent with, the General Measures? (check all that apply)

- Access, Work Zone Restrictions & Monitoring
- Night Work & Lighting Restrictions
- Sensitive Aquatic Species Avoidance/Mitigation
- Sensitive Bird Species Avoidance/Mitigation
- Sensitive Mammal & Reptile Species Avoidance/Mitigation
- Invasive Species Control
- Notification & Reporting

- | | |
|------------------------------|-----------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Provide justification for measures that do not apply and include an explanation of why measures will not be complied with, and submit proposed mitigation measures that are different than the maintenance manual.

B2. Maintenance Activity will comply with, and be consistent with, Feature Specific Measures? (check all that apply)

- Channel Clearing Near Bridges
- Removal of Vegetation From Rip-Rap
- Cleaning Storm Drain Outfalls
- Bridge Repair
- Repairs to Bank Protection
- Water Quality Treatment & Flow Attenuation Facilities
 - Extended Detention Basin
 - Vegetated Swales
 - Infiltration Facilities
 - Wetponds
 - Stormwater Wetland Basins
- Restored Tributaries
 - Culverts / Low Bridge
 - Grade Control Structures
 - Drop Structures

- | | |
|------------------------------|-----------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
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| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
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| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
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| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No |

For those activities checked as applicable but for which the Permittee / Subpermittee does not believe the activities will be consistent with the maintenance manual, include an explanation of why and include the Permittee / Subpermittee proposed mitigation measures that differ from the maintenance manual.

Note that it is expected that a detailed maintenance program will be developed for certain Water Quality Filters and Wetland Features. If applicable, attach the appropriate maintenance plan to the Notification.

B3. For all routine maintenance projects, specify heavy equipment to be used:

1. _____
2. _____
3. _____
4. _____

NEWHALL RANCH RMDP SUBNOTIFICATION OF LAKE OR STREAMBED ALTERATION

	5. _____
--	----------

C. Will activity involve any diversion, obstruction, extraction, or impoundment of the natural flow of a river, stream, or lake?	<input type="checkbox"/> Yes (Include Diversion Plan with elements described below)	<input type="checkbox"/> No (Skip to D)
---	---	---

C1. If a diversion, obstruction, extraction, or impoundment of the natural flow of a river, stream, or lake is anticipated, please complete the table below.

SEASON OF DIVERSION		Diversion Purpose (ie. Construction Dewatering / flowing water avoidance...)	Summary of potential Aquatic Species Impacts from Dewatering Drawdown or Diversion (stranding, over-bank flooding, flow regime, velocity change, relocation)
BEGINNING DATE (Month, Year)	ENDING DATE (Month, Year)		

C2. Specify the maximum instantaneous rate of withdrawal (using proposed equipment) in cubic feet per second (cfs) or gallons per minute (gpm): _____

C3. Diversion / Dewatering Plan shall include the following:
 1) location & schematic layout of dewatering system; 2) location / schematic layout of diversion channel; 3) location of discharge point to stream channel; 4) description / location(s) of beneficial re-use (Ag, dust control, infiltration); 5) aquatic species exclusion locations and monitoring program; 6) location of surface water monitoring (water elevation / water quality – visual turbidity, discoloration, and other RWQCB parameters); 7) location of any pre-discharge treatment systems; 8) Treatment process diagram(s); and 9) details and MSDS for treatment system chemicals.

D. Are any special status animals or plant species considered in RMDP, or habitat that could support such species, known to be present on or near the project site? (if species not discussed in RMDP are present, request consultation with Agencies)

Yes (List each species and/or describe the habitat below) No Unknown

Scientific Name	Common Name	Primary Habitat Association	Status Onsite or in Project Vicinity
1.			
2.			
3.			
4.			
5.			

D1. Will activity involve any species relocation, exclusion, or removal?	<input type="checkbox"/> Yes (Include Species Relocation Plan with elements described below)	<input type="checkbox"/> No (Skip to 7)
---	--	---

D2. Species relocation plans shall include the following:
 1) list of qualified personnel to perform relocation/trapping; 2) trapping methods; 3) point of reintroduction into natural environment; 4) exclusionary methods to prevent re-habitation of project site; and 5) notification and monitoring procedures and schedule.

7. PROJECT IMPACTS

A. Summarize impacts to the bed, channel, and bank of the river, stream, or lake, and the associated riparian habitat. The Bio. Report shall include a detailed analysis of impacts. Specify the dimensions of the modifications in length (linear feet) and area (square feet of acres) and the type and volume of material (cubic yards) that will be moved, displaced, or otherwise disturbed, if applicable.

Existing Plant Communities and Land Covers	Temporary Impacts (in acres/linear feet)	Permanent Impacts (in acres/linear feet)	Mitigation Proposed (in acres)	Mitigation Type (creation, invasive control, mitigation surplus)
Corps Jurisdictional Waters of the US				
Corps Jurisdictional Wetlands				

NEWHALL RANCH RMDP SUBNOTIFICATION OF LAKE OR STREAMBED ALTERATION

CDFG Jurisdictional Riparian Forest SCWRF CLOW / VOW				
CDFG Jurisdictional Riparian Scrub				
Non-Corps Freshwater Marsh				
Non-Corps Herbaceous Wetlands				
Non-Corps Ephemeral Stream Channel				
Non-Corps Intermittent Stream Channel				
Jurisdictional Area Total				
Other Native Vegetation Communities				
Other Non-Native Vegetation Communities				
Project Area Total				

B. Will the project affect any native trees greater than 3-in DBH? Yes (Include Tree Inventory) No

8. FINANCIAL SECURITY, LETTER OF CREDIT, SURETY BOND, OTHER GUARANTY OPTIONS, HABITAT MITIGATION

Is a Cost Estimate for Permanent Impact Mitigation Included?	<input type="checkbox"/> Yes	<input type="checkbox"/> No (check only if mitigation is to be provided through surplus mitigation credits)
Is a Cost Estimate for Temporary Impact Mitigation Included?	<input type="checkbox"/> Yes	<input type="checkbox"/> No (check only if mitigation is to be provided through mitigation bank credits)
Is a Cost Estimate for Compliance with RMDP Implementation Plan (IP) Measures Applicable to the Individual Project Included?	<input type="checkbox"/> Yes	<input type="checkbox"/> No (Provide documentation of reason financial security is not applicable to the project for each IP measure)

9. ASSOCIATED PERMITS

A. California Department of Fish & Game 2081 Take Permit	2081-2008-012-05 (SCP) 2081-2008-013-05 (Multi-Species)
B. U.S. Army Corps of Engineers Section 404 Permit	2003-01264-AOA
C. LA Regional Water Quality Control Board WDR/401 Cert	
D. U.S. Fish & Wildlife Service Biological Opinion	
E. SWRCB NPDES Permit (NOI)	
F. LARWQCB Dewatering Discharge Permit to Surface Water	
G. LARWQCB Dewatering Discharge Permit to Ground Water	
H. Other: _____	

10. ENVIRONMENTAL REVIEW

A. Has a project level draft or final document been prepared pursuant to the California Environmental Quality Act (CEQA), National Environmental Projection Act (NEPA), California Endangered Species Act (CESA) and/or federal Endangered Species Act (ESA)?
Existing CEQA/NEPA/CESA/ESA Documentation:
CEQA: Newhall Ranch Specific Plan SCH No. 2000011025; Lead Agency: CDFG; Contact: Karen Drewe, 1-858-467-4201
CEQA / NEPA: Newhall Ranch Resource Management and Development Plan and Spineflower Conservation Plan EIS/EIR SCH No. 2000011025; CEQA Lead Agency: CDFG; Contact: Karen Drewe, 1-858-467-4201

[Handwritten initials]

NEWHALL RANCH RMDP SUBNOTIFICATION OF LAKE OR STREAMBED ALTERATION

NEPA Lead Agency: USACOE; Contact: Aaron Allen, 1-805-585-2148

Incidental Take Permit No. 2081-2008-012-05: Newhall Ranch Spineflower Conservation Plan (SCP)

Incidental Take Permit No. 2081-2008-013-05: Newhall Ranch Resource Management and Development Plan (RMDP)

Biological Opinion:

Project Specific CEQA/NEPA/CESA/ESA Documentation (if applicable):

Yes

No (Provide explanation of why project is exempt or CEQA/NEPA/CESA/ESA status)

Project Specific CEQA/NEPA Documentation (List Document Type and attach electronic copy (as applicable):

B. State Clearinghouse Number		C. CEQA Lead Agency	
D. Contact Person		E. Telephone Number	

11. SIGNATURE

I hereby certify that to the best of my knowledge the information in this notification is true and correct and that I am authorized to sign this notification as, or in behalf of, the permittee or subpermittee, if Subnotification is being submitted by a 3rd party. I understand that if any information in this notification is found to be untrue or incorrect, the Department may suspend processing this notification or suspend or revoke any approval issued pursuant to the notification. I understand also that if any information in this notification is found to be untrue or incorrect and the project described in this notification has already begun, I may be subject to civil or criminal prosecution, and further that the permittee, or subpermittee if Subnotification is being submitted by a 3rd party, may be subject to civil or criminal prosecution. I understand that this notification applies only to the project(s) described. By signing below, Permittee, or subpermittee if Subnotification is being submitted by a 3rd party, is certifying that the project is consistent with the CEQA/NEPA documents, Incidental Take Permits, and Master Streambed Agreement for the Newhall Ranch Resource Management and Development Plan, including compliance with environmental protection measures for threatened and endangered species, water quality, and riparian habitat, or if this is a Minor or Major Amendment submittal, that adequate measures are being proposed to meet the criteria set forth in the Agreement for such approvals. The Subpermittee set forth below hereby agrees to comply with and be responsible for all conditions of the Agreement related to the covered activity that is being assigned to Subpermittee under the Agreement. For the covered activities assigned to the Subpermittee the Permittee will not be liable for violations, if any, of the Agreement related to the assigned activities, rather the Subpermittee will be solely liable for any such violations.

Signature of Applicant or Permittee/Subpermittee's Authorized Representative

Date

Print Name & Title

DEPARTMENT DECISION:

Approved: _____ Date _____

Title: _____

Disapprove: _____ Date _____

Title: _____

Specific Reason for Disapproval: _____

Signed:

Permittee Date

(as transferor/assignor with no future obligations, liabilities, or responsibilities for the specific project as described in this submittal)

APPENDIX B
CDFG MSAA Accounting Form

**Newhall Land Master Streambed Alteration Agreement
 CDFG 1600 Notification No. 1600-2004-0016-R5
 Newhall Ranch RMDP MSAA
 MITIGATION ACCOUNTING FORM**

Covered Drainages: SANTA CLARA RIVER, CASTAIC CREEK, POTRERO, LONG CANYON, LION CANYON, SAN MARTINEZ CANYON, CHIQUITO CANYON, SALT CREEK and OTHER MINOR TRIBUTARIES

Date: _____

- 1. As of this date _____ Planted _____ Acres of mitigation area.
- 2. As of this date _____ Removed _____ Acres of invasive species.
- 3. As of this date _____ Has _____ Acres Surplus Mitigation.

Specific mitigation areas have been designated by Subnotification project as follows:

<u>Project Description</u>	<u>MSAA Subnot. #</u>	<u>Mitigation Required (acres)</u>	<u>Mitigation Proposed Onsite (acres)</u>	<u>Surplus Mitigation To Be Applied (acres)</u>	<u>Mitigation Status & Remaining Surplus Mitigation Balance</u>

Permittee / Subpermittee

Signed: _____

Date

APPENDIX C

Compensatory Mitigation Monitoring Field Form

Date _____

Newhall Site _____

Stream Reach Number _____

Surveyor Initials _____

Assessment Area (AA) Number _____

Buffer Metrics (CRAM and LLFA)

1. *(office, verify in field)* Average Width of Buffer

> 100 m	1.0
60 - 100 m	0.75
30 - 60 m	0.50
<30 m	0.10
None	0.0

2. *(office, verify in field)* Buffer Condition

Area is characterized by natural, undisturbed upland with native vegetation and lack of invasive plants, lack of substrate disturbance, and lack of trash.	1.0
Buffer appears to have been moderately disturbed and may be characterized by presence of invasive plants, etc., (minor to moderate amounts of trash or debris visible); abandoned field; shrubland or buffer recently burned, but recoverable; dirt road crossing; or mowed, non-native ruderal.	0.75
Disced ruderal; dry-land farming; active agriculture.	0.50
Dirt road, not recoverable; residential; pastureland; landscaped park.	0.25
Buffer is highly disturbed, barren ground visible with highly compacted soils, moderate to high amounts of trash and other large debris; urban or industrial.	0.10
No buffer present.	0.0

3. *(office, includes sub-watershed outside AA)* Land Use/Land Cover

<5% of watershed/landscape with LULC types that increase N/P/H/S.	1.0
>5 and <15% of watershed/landscape with LULC types that increase N/P/H/S; or recently burned open space.	0.75
>15 and <30% of watershed/landscape with LULC types that increase N/P/H/S.	0.50
>30 and <50% of watershed/landscape with LULC types that N/P/H/S.	0.25
>50% of watershed/landscape with LULC types that increase N/P/H/S.	0.10

Hydrology Metrics (CRAM, LLFA, HGM)

4. *(office, includes sub-watershed outside AA)* Water Source

Water source derived from precipitation, groundwater and/or natural overland or tributary flow from catchments. No indications of artificial water sources.	1.0
Source of water is primarily natural; however, may receive occasional or small amounts of inflow from anthropogenic sources, such as urban runoff, seepage, agriculture or POTW discharge. Natural flow regime.	0.75
Source of water is primarily anthropogenic, and receives inflow from anthropogenic sources, such as urban runoff, seepage, agriculture or POTW discharge. Non-natural flow regime.	0.50
Primarily supported by direct irrigation, pumped water, artificially impounded water, or other artificial hydrology; may be perennial flow; channel incision present.	0.25
No natural or non-natural flows occur at the present time.	0.0

Date _____

Newhall Site _____

Stream Reach Number _____

Surveyor Initials _____

Assessment Area (AA) Number _____

5. (office, verify in field) Hydroperiod	
Subject to natural peak flows and base flow.	1.0
Peak flow relatively natural, but base flows altered either by augmentation or reduction; or Reach has recently burned, but is recoverable; temporary peak flows are anticipated.	0.75
Peak flows altered by upstream activities (augmentation or reduction), but base flows are relatively natural.	0.50
Assessment area is subject to alteration of both peak flow and base flow. Recoverable.	0.25
Assessment area is subject to alteration of both peak flow and base flow. Not recoverable.	0.10
6. (field) Floodplain Connection	
Adjacent to an unrestricted floodplain that is comprised of natural or open space lands or agricultural lands.	1.0
In most years, storm flows or storm surges can escape the active channel and access adjacent benches, riparian areas, or the marsh plain. However, unnatural levees, berms or adjacent land uses restricts the extent of overbank inundation; or naturally confined channel.	0.75
Moderate channel constriction, incision, bank armoring agricultural constraint, or adjacent road precludes water from accessing adjacent benches, riparian areas or the marsh plain, except in very high flows; however, access is still possible.	0.50
All overbank flow beyond the bankfull channel is contained within a defined conveyance or channel and cannot access adjacent riparian areas, benches or marsh plain.	0.25
Channel is channelized and contains concrete or rip-rap slopes/bottom.	0.0
7. (field) Surface Water Persistence and Recharge	
Evidence of surface water ponding/storage on floodplain for greater than one day (intermittent). Substrate porosity is such that runoff persists; floodplain has complex microtopographic relief; or perennially flowing/saturated; or adjacent wetlands.	1.0
Evidence of surface water ponding/storage on floodplain for greater than one day (intermittent). Floodplain has simple microtopographic relief. (Non-wetland floodplain).	0.75
Evidence of surface water ponding/storage for less than one day (ephemeral).	0.50
Assessment area provides no features for ponding/storing water. Variable is recoverable and sustainable through natural processes.	0.25
Assessment area provides no features for ponding/storing water. Variable is not recoverable and sustainable through natural processes under current conditions.	0.0
8. (field) Floodprone Area	
Floodprone area not modified by cultural processes. FPA > 2.0x bankfull width.	1.0
Floodprone area confined by artificial structure(s) or culturally accelerated channel incision is minimal; FPA > 2.0x bankfull width; disturbance affects one side of drainage; or naturally v-shaped channels for small drainages.	0.75
Floodprone area is artificially confined or culturally accelerated channel incision is present; FPA > 1.5x bankfull width; disturbance affects one side of drainage.	0.50
Floodprone area is artificially confined or culturally accelerated channel incision is present; FPA < 1.5x bankfull width; disturbance affects both sides of drainage; variable is recoverable through natural processes under current conditions.	0.25
Floodprone area is artificially confined or culturally accelerated channel incision is present; FPA < 1.5x bankfull width; disturbance affects both sides of drainage Variable is not recoverable through	0.10

Date _____

Newhall Site _____

Stream Reach Number _____

Surveyor Initials _____

Assessment Area (AA) Number _____

natural processes under current conditions.	
Floodprone area is completely modified by concrete and/or rip-rap; disturbance affects both sides of drainage; variable is not recoverable through natural processes under current conditions.	0.0
Habitat Metrics – Physical Structure Metrics (CRAM, LLFA, HGM)	
9. (field) Topographic Complexity	
Assessment area is dominated by a complex arrangement of micro and macro topographic features, such as meanders, bars, benches, secondary channels, backwaters, roots, pits, and ponds. Higher gradient systems may contain plunge-pool sequences.	1.0
Some macrotopographic features present, such as secondary channels; however, the complexity and interspersions of such features has been reduced by substrate alteration, flooding, grazing, trampling, or placement of fill material; or naturally v-shaped channel is a small drainage.	0.75
Assessment area consists of a single channel without macrotopographic features such as benches or secondary channels; however, the channel has microtopographic features such as bars, braiding, and presence of woody debris.	0.50
Assessment area consists of a single channel without macrotopographic features such as benches or secondary channels; however, the channel has microtopographic features such as bars, braiding, and presence of woody debris. Features may be the result of anthropogenic disturbance.	0.25
Assessment area consists of a uniform, straight channel with no substantive topographic features.	0.10
10. (field) Substrate Condition	
Soils in the assessment area or adjacent to the active channel are relatively intact, show evidence of surface organic matter accumulation, fallen trees, branches, and twigs or other coarse woody debris, decayed leaf litter, and a fine detritus of organic matter. Redoximorphic features may be visible within 30 cm of the surface; organic or clay layers may be present within the soil column (top 30cm).	1.0
Channel and adjacent benches are dominated by unconsolidated sand or other poorly formed native soils and/or bedrock outcrops. Substrate may exhibit moderate embeddedness or compaction; lack of organic layers in column; cattle may have had minor to moderate effects on sandy substrates.	0.75
Soils may exhibit some evidence of sparse organic litter or coarse woody debris. However, the assessment areas is mainly characterized by disturbed conditions, such as substantial filling, compaction, tilling, grazing, or similar activity, but appear recoverable with minimal intervention.	0.50
Soils are extremely compacted, dominated by imported fill or other predominantly upland (non-native) soils or have been deeply ripped, disced, or drained.	0.25
Channel is lined with concrete or rip-rap.	0.0
Habitat Metrics – Biotic Structure Metrics (CRAM, LLFA, HGM)	
11. (field) Vertical Biotic Structure	
Most of the Assessment Area supports 3 height classes of vegetation; T/S/H; may also include vine layer.	1.0
About half of the Assessment Area supports 3 vegetative strata and/or most is covered by at least 2 height classes.	0.75
Between one quarter and half of the assessment areas supports 3 vegetative height classes and/or at least half of the site support 2 height classes.	0.50

Date _____

Newhall Site _____

Stream Reach Number _____

Surveyor Initials _____

Assessment Area (AA) Number _____

Less than one quarter of the Assessment Area supports 3 height classes OR less than one-half supports 2 or more height classes OR only one height class is present.	0.25
12. (field) Interspersion and Zonation	
2 or more plant zones exist along most of the active channel or shoreline, plus various tributary channels, meander scars, paleo-channels, or other features, producing a complex mosaic of vegetation in overhead view (zones can include submerged or emergent vegetation).	1.0
2 or more plant zones exist along about half of the main active channel or shoreline, and along a few of the tributary channels and other topographic features.	0.75
2 or more plant zones are apparent along about one quarter to half of the main active channel or shoreline.	0.50
2 or more plant zones are apparent along less than one quarter of the active channel.; OR sparse shrubs occur in confined/ incised channel.	0.25
Unvegetated channel.	0.10
13. (field) Ratio of Native to Non-Native Plants	
75 – 100% of the plant species are native and no stratum is dominated by non-native species.	1.0
50 - < 75% of species are native and/or up to 25% of the strata present are dominated by non-native species.	0.75
25 - < 50% of species are native and/or up to 25% of the strata present are dominated by non-native species.	0.50
10 – < 25 % of species are native and/or up to 50% of the strata present are dominated by non-native species.	0.25
0 - < 10 % of species are native and/or up to 100% of the strata present are dominated by non-native species.	0.10
No vegetation present. Variable is not recoverable and sustainable through natural processes under current conditions.	0.0
14. (field, includes sub-watershed area outside of AA) Riparian Vegetation Condition	
Vegetation represents reference condition with no chronic disturbance or recovered from historical disturbance. Presence of areas disturbed through natural processes (i.e., fire and flood) do not detract from score.	1.0
Native vegetation recovering with minor chronic disturbance (i.e., grazing). Presence of areas disturbed through natural processes (i.e., fire and flood) do not detract from score. Invasive, exotic species may be present.	0.75
Native vegetation common and widespread with moderate grazing pressure. Presence of areas disturbed through natural processes (i.e., fire and flood) do not detract from score. Invasive, exotic species may be present.	0.50
Native vegetation localized with heavy grazing pressure. Presence of areas disturbed through natural processes (i.e., fire and flood) do not detract from score.	0.25
Native vegetation absent, area hardened (i.e., paved, urban, etc.) or graded. Restoration impractical and unlikely for economic or political reasons.	0.0
15. (office, verify in field, includes sub-watershed area outside of AA) Riparian Corridor Continuity	
<5% of riparian reach with gaps/breaks due to cultural alteration.	1.0
>5 and <15% of riparian reach with gaps/breaks due to cultural alteration.	0.75
>15 and <30% of riparian reach with gaps/breaks due to cultural alteration.	0.50
>30 and <50% of riparian reach with gaps/breaks due to cultural alteration.	0.25
>50% of riparian reach with gaps/breaks due to cultural alteration.	0.10

Date _____

Newhall Site _____

Stream Reach Number _____

Surveyor Initials _____

Assessment Area (AA) Number _____

Newhall Hybrid Functional Assessment Datasheet Notes - Riverine Wetlands Class

<p>Step 1. Establish reaches and Assessment Areas (AAs) on aerial imagery. Use table below to help delineate AAs.</p>
<p>Step 2. Complete and initial score for functions 1,2,3,4,5,6,8, and 20 on each AA in the office. Use the notes for these functions below. These initial scores will be verified and updated as required during the field visit.</p>
<p>Step 3. Conduct the field visit and score all functions in each AA. Use the notes for all functions below. Note that there are two broad sets of functions – those that are evaluated and scored inside the established AA only, and those that require you to assess function conditions within the AA as well as along the majority of the selected reach in which the AA occurs to arrive at a function score. For this reason, look at as much of the reach as time permits. Functions 4,5,8,11,18,19,20 and 21 require an evaluation outside of the AA boundaries, and may be the last ones you score in a reach.</p>

FEATURES USED TO DELINEATE RIVERINE AAs
<ul style="list-style-type: none"> • grade or water height control structures • weirs and other flow control structures • lotic-lentic transitions • natural falls • culverts • inlets and outlets (end-of-pipe discharges) • diversion ditches (brow ditches) • channel confluences • dams, levees, and banked road grades • uplands (<i>i.e.</i>, terrestrial breaks in floodplains, shorelines, riparian habitats) • open water areas broader than the wetlands (<i>i.e.</i>, wetlands on opposite shores of a large river) • major changes in degree of channel confinement, degradation, aggradation, slope, or bed form
FEATURES NOT USED TO DELINEATE RIVERINE AAs
<ul style="list-style-type: none"> • unpaved, unimproved single-lane roads • at-grade roads or Arizona crossings • bike paths and jogging trails at grade • equestrian trails • fences (unless designed to obstruct the movement of wildlife) • bare ground on the active floodplain or below the ordinary high water line • riffle – glide – pool transitions within a homogeneous reach of these features • spatial changes in land cover or land use along the wetlands border • property boundaries • state and federal jurisdictional boundaries
<p>Source: CRAM Version 3.0.</p>

1. Divide the perimeter of the AA into four sections, estimate the width of the buffer in each of the four sections up to 100m per side and calculate the mean buffer width.

Date _____

Newhall Site _____

Stream Reach Number _____

Surveyor Initials _____

Assessment Area (AA) Number _____

2. Assess vegetative cover, substrate condition, and indicators of disturbance. If buffer sides vary in condition, score each side and calculate mean buffer condition score.
3. Assess the percentage of the drainage basin with land use/land cover types having the potential to increase the nutrient, pesticide, hydrocarbon, or sediment loading in downstream surface waters upland areas adjacent to and upstream from the reach being assessed (stressors - secondary or tertiary treated water inputs, oil production platforms, agricultural fields, paved roads, *etc.*).
4. Assess the primary origin of water input to the assessment reach and the degree to which water input has been affected or is controlled by adjacent land use activities including upstream activities (stressors - septic tanks, outfalls, urban and agricultural runoff, *etc.*)
5. Assess evidence of diversions, flow augmentations, or upstream constrictions. Dams and other upstream impoundments impact the hydroperiod if they control more than 25% of the upstream drainage area of the AA or if they are close enough to the AA to substantially affect the magnitude or timing of inflows. Diversions affect hydroperiod if they routinely reduce either base flow or storm flow to the assessment reach by more than 15%. Constrictions of the active channel within 1 km (upstream) of the AA also alter hydroperiod.
6. Assess degree of channel incision and look for evidence of extent and vigor of inundation of banks or terraces and overbank flow including wrack, debris, fine sediment deposits, and evidence of ponding on benches/terraces adjacent to the stream channel. Consider channel depth, presence of natural or man-made levees, and stream bank condition.
7. Assess the potential for surface water storage including the adjacent floodplain (note presence/absence of any hydrophytic vegetation). Perennial streams and wetlands will generally score higher than ephemeral/intermittent streams unless significant modifications to stream features have occurred.
8. Assesses the extent to which the lateral spread of flood flows are impeded by channel and buffer modifications (stressors – excessive channel incision, concrete channels, , development of floodplain, berms, walls, cisterns,
9. Count the number of micro-topographic features that affect stream elevation or influence the path of water flowing along a transect line through the AA (hummocks, pools, debris jams, multiple incised channels of various depths, sediment bars, micro-terraces, *etc.*) Lower order riverine wetlands and ephemeral channels have less topographic complexity and subtle indicators including large rocks, middens, or accumulations of woody debris. Trampling, filling, burying or other alterations of topographic features indicate a degraded condition.
10. Assess the presence or absence of intact, unaltered soil that is regularly saturated/inundated and has an accumulation of organic matter or coarse litter. Look for sub-surface redoximorphic features (top 30 cm of substrate), ponding, or organic matter accumulation, and observe any pits, ponds, backwaters and the floodplain within the AA (good condition indicators - leaf litter accumulation, coarse woody debris, dried algal mats, algal coating on sand grains in the channel bed, organic streaking in the soil horizon, *etc.*). Excessive sediment deposition, filling, down cutting, trampling, or compaction will reduce the score.
11. Count the number of vegetation height classes within the AA (canopy = >3m, shrub = 3m to 1m, herb = >1m).

Date _____

Newhall Site _____

Stream Reach Number _____

Surveyor Initials _____

Assessment Area (AA) Number _____

- 12.** Assess the horizontal structure of the AA by counting the number of different kinds of plant patches (minimum patch size is generally 3m by 3m) including all standing vegetation. These patches correspond to the Keeler-Wolfe plant series mapped for the area and/or general biotic patch types (*e.g.*, grasses, forbs, shrubs, vines, short and tall deciduous trees, short and tall evergreen trees, short and tall sedges/rushes, emergent macrophyte beds, floating macrophytes). Each patch should signify a different elevation or distance away from the usual high water mark or contour and the transition from the wetlands to the adjacent uplands is the primary evaluation zone in dry systems. Plant zones may be discontinuous and can consist of more than one plant species, but some zones may be mono-specific. In most cases, one plant species dominates each zone. Evaluate the number of zones present and the degree of interspersion among these zones (from a hypothetical plan view).
- 13.** Briefly collect vegetation data in a 10 m X 50 m plot within the AA. Make separate lists of native and non-native herbs, shrubs and trees within the plot and use the ACOE 50/20 rule to determine dominant vegetation in each stratum if necessary. This data will also be used for steps 17 and 21.
- 14.** Observe the general condition of the riparian corridor (floodprone area) in the reach (stressors – undercutting, grazing, grading, herbicidal control, insect infestations, *etc.*).
- 15.** Estimate the percent of flood prone area along the main stem channel of the riparian reach occupied by native and non-native vegetation communities with adequate height and structure to allow faunal movement (*i.e.*, annual grassland with no shrub or tree component represents a corridor gap).

APPENDIX D

Site Activity Monitoring Report

SITE ACTIVITY MONITORING REPORT

Project: _____

Report No.: _____ **Job No.:** _____

Client: Newhall Land

Date: _____ **Time:** _____

Project Manager: _____

Date: _____ **Time:** _____

Contractor: _____

Date: _____ **Time:** _____

Client Rep: _____

Date: _____ **Time:** _____

Date: _____ **Time:** _____

Date: _____ **Time:** _____

Field Notes/Activities/Observations:

DATE - Monitor	Field Notes/Activities/Observations				
Site Activities	Construction Personnel Training - New training documentation attached (Y/N):				
	Description of Ongoing Major Site Activities -				
	Perimeter BMP Inspection -				
	General Site Conditions Inspection -				
	Inspection Concerns / Issues:				
Equipment On-Site	Excavation & Grading Equipment:				
	Description (Dozer/Loader/Excav/backhoe)	Unit # (if avail)	Leaking Oil (Y/N)	New On-Site (Y/N)	Invasive Species Check Date
	Dewatering System Equipment (if present):				
	Description (Pump/Tank/Pipe-Fittings)	Unit # (if avail)	Leaking Oil (Y/N)	New On-Site (Y/N)	Invasive Species Check Date
Construction Personnel Parking Area Daily Inspection:					
Contaminant	License #	Action Taken			
Leaking Fluids					
Mud Cake					

Issues Resolution	Status of Outstanding Site Condition Issues:

Additional Notes, Observations and Recommendations:

Distribution:

Signed: _____