

## SURFACE MINING INSPECTION REPORT




(See reverse side of each form page for completion instructions)

I. Mine Name (As Shown on Approved Reclamation Plan)	Inspection Date:	CA MINE ID# 91-
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II. Mine Operator		Telephone (   )
Onsite Contact Person		Telephone (   )
Mailing Address		
City	State	ZIP Code
E-mail Address (optional)		

III. Designated Agent		Telephone (   )
Mailing Address		
City	State	ZIP Code
E-mail Address (optional)		

IV. SMARA Lead Agency Name (City, County, BCDC, or SMGB)		
Inspector		Telephone (   )
Title	Organization	
Mailing Address		
City	State	ZIP Code
E-mail Address (optional)		

V. Does the operation have:	P	NR	No	Yes
A Permit to Mine				Permit # - Start and Expiration Dates
Vested Right to Mine				Year of Lead Agency determination
A Reclamation Plan				RP#                                      Date Approved
Reclamation Plan Amendment				RP Amendment # (as applies)      Date Approved or Status of Amendment
Has the Operator filed a Mining Operation Annual Report (Form MRRC-2) this Year? Check One: <input type="checkbox"/> Yes <input type="checkbox"/> No                                      Year of Most Recent Filed Annual Report:				

VI. Is this Operation on Federal Land? Check One: If "Yes," Provide One or Both of the Federal Mine Land Identification Numbers Below: <input type="checkbox"/> Yes <input type="checkbox"/> No	
California Mining Claim Number (CAMC#):	Latitude/Longitude at Mine Entrance (Decimal Degrees):
U.S. Forest Service or BLM Identification Number (Plan of Operations #) :	Status of Plan of Operations (Current/Expired/In Process):

**DISTRIBUTION:** Lead Agency sends copies of Inspection notice & completed MRRC-1 to operator, operator's designated agent, BLM or USFS (if required) & retains original.

# INSTRUCTIONS FOR COMPLETING SURFACE MINING INSPECTION REPORT

Form MRRC-1 (4/97) Page 1 (Rev. 07/13)

This report is intended to comply with the requirements of California's Surface Mining and Reclamation Act (SMARA – Public Resources Code Sections §§ 2710 et seq., and the associated California Code of Regulations found in Title 14, division 2, beginning at § 3500, hereinafter respectively "PRC" or "CCR") and specifically PRC § 2774(b) and CCR § 3504.5 for operations located on private land and/or partly or solely on Bureau of Land Management (BLM) and U.S. Forest Service (USFS) lands (Title 43, parts 3500, 3600, and 3800 of the Code of Federal Regulations). A Memorandum of Understanding between the U.S. Department of Interior, BLM; U.S. Department of Agriculture, USFS; the State of California, Department of Conservation; and the State Mining and Geology Board (SMGB), discusses implementation of SMARA on Federal lands in California that are under the jurisdiction of the BLM and/or the USFS.

As required by PRC § 2774(b) and CCR § 3504.5(g), Lead Agencies shall file an Inspection Notice that includes a statement regarding compliance with SMARA, a copy of this Surface Mining Inspection Report (MRRC-1) and any other supporting documentation with the Department within 30 days of completion of the inspection. The Lead Agency shall also forward a copy of the Inspection Notice, MRRC-1, and any supporting documentation to the operator.

BLOCK I: Enter the name of the Mining Operation, the date of the inspection, and the California Mine ID number.

BLOCK II: Enter the name of the Mine Operator, mailing address, phone number, name, and email address (optional) of the person to serve as the onsite contact.

BLOCK III: Enter the name, mailing address, phone number, and email (optional) of the Designated Agent who, under PRC § 2772(c)(1) and 2207(a)(1), will serve as a contact for any follow-up correspondence or discussions regarding the inspection or noted violations.

BLOCK IV: For "Lead Agency," enter the name of the certified SMARA Lead Agency that is conducting this inspection. Acceptable entries include the name of the city, county, Bay Conservation and Development Commission (BCDC), or State Mining and Geology Board (SMGB). For "Organization," enter the name of the agency, firm or other organization that employs the inspector.

BLOCK V: Check the appropriate boxes.

P	Pending (on appeal or awaiting approval by Lead Agency)
NR, No, Yes	Not required for this operation at the time this inspection was completed
	No
	Yes, supply information

Note: Where appropriate, to aid in determining when the lead agency recognized that the operation has vested mining rights, inspectors are advised to review older agency correspondence, minutes of lead agency hearings, including agendas and staff reports associated with approvals of any kind related to the mining operation.

BLOCK VI: Indicate if the operation is on federal Land; if operation is on federal land, include a California Mining Claim Number and/or a BLM/USFS Identification Number and Plan of Operations Number, if applicable. Give the status of the BLM/USFS Plan of Operations, as indicated. Give the latitude and longitude at the mine entrance in decimal degrees.

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## DISTRIBUTION INSTRUCTIONS:

One copy of the inspection notice and this completed Inspection Report (all pages) shall be given to the Mine Operator and the operator's designated agent by the lead agency (PRC Section 7374(b)).

The Lead Agency must retain the original copy of this Inspection Report and submit one copy of this Inspection Report, along with an original inspection report notice (PRC Subsection 2774(b)), within 30-days of the completion of the inspection, to:

Department of Conservation  
Office of Mine Reclamation  
801 K St MS 09-06 Sacramento, CA 95814-3529

If any part of the operation inspected is on BLM or USFS land, one copy of this Inspection Report should be forwarded to the appropriate BLM or USFS office.

## SURFACE MINING INSPECTION REPORT

<b>VII. Financial Assurance</b>		Inspection Date:	CA MINE ID#: 91-	
Type of Financial Assurance Mechanism(s)	Financial Assurance Mechanism Number(s)	Amount of Mechanism	Date of Expiration	Date of Lead Agency Approval of Mechanism
Total Amount of Mechanism(s)				
<input type="checkbox"/> Financial Assurance Mechanism Pending Review by Lead Agency? If yes, provide date submitted/explanation and amount of pending mechanism:				
Has there been a change of operator since last inspection? If yes provide the date of notice.  <input type="checkbox"/> Yes <input type="checkbox"/> No  Date of Change:	If yes, has the new operator posted a Financial Assurance Mechanism? <input type="checkbox"/> Yes <input type="checkbox"/> No  If not, describe status of new operators Financial Assurance Mechanism:		Does new operator's Notice of Change include a statement of responsibility for reclamation?  <input type="checkbox"/> Yes <input type="checkbox"/> No	

Date and Amount of Most Recent Approved Financial Assurance Cost Estimate:	Date: _____ Amount: _____
<input type="checkbox"/> Financial Assurance Cost Estimate Pending Review with Lead Agency?	Date Submitted/Explanation/Amount of pending estimate:
<input type="checkbox"/> Financial Assurance Cost Estimate Appealed by Operator?	Date Submitted to State Mining and Geology Board or Lead Agency for Appeal/Explanation:
<input type="checkbox"/> Other?	

# INSTRUCTIONS FOR COMPLETING SURFACE MINING INSPECTION REPORT

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**BLOCK VII:** Type of Financial Assurance Mechanism(s): Fill in the type of mechanism(s) that are on file. PRC § 3803 and SMGB Financial Assurance Guideline number 10 describe Surety Bonds, Trust Funds, or Irrevocable Letters of Credit as acceptable financial assurance mechanisms for non-governmental entity operators. For surface mining operations owned and operated by state and local government entities, Surety Bonds, Trust Funds, Irrevocable Letters of Credit, Pledges of Revenue, and Budget Set Aside are acceptable financial assurance mechanisms.

State the Financial Assurance Mechanism(s) document number(s). State the dollar amount of each Financial Assurance Mechanism(s) currently on file. State the date of expiration of the Financial Assurance Mechanism(s) currently on file. State the date of approval for the most recent lead agency approved Financial Assurance Mechanism(s) on file. State the total dollar amount of mechanisms held for reclamation.

Indicate if any Financial Assurance Mechanisms are pending review by the lead agency and the date and amount of submittal to the lead agency.

Indicate if there has been a change of operator of record since the last inspection and, if so, note the date the change occurred and whether the new operator has signed any document acknowledging reclamation responsibility under the approved reclamation plan and if the new operator has posted a Financial Assurance Mechanism. If a replacement Financial Assurance Mechanism has not been posted, indicate the status of the new operator's replacement Financial Assurance Mechanism. Per PRC § 2773.1(c) and Guideline number 19 of the SMGB's Financial Assurance Guidelines, when operatorship is transferred, "the original financial assurance must remain in effect until the lead agency has approved, following department review, the replacement assurances provided by the successor operator."

The Financial Assurance amount must be adjusted and approved annually to account for new lands disturbed by surface mining operations and lands to be disturbed in coming year, inflation, and reclamation of lands accomplished in accordance with the approved Reclamation Plan (PRC § 2773.1(a)(3) and SMGB Financial Assurance Guideline #16). In order to determine what adjustments, if any, are appropriate to the Financial Assurance Mechanism amount, each mine operator must submit annually a revision of the written Financial Assurance Cost Estimate to the Lead Agency (PRC § 3804(c)). Provide the date of the operator's most recent revision of the Financial Assurance Cost Estimate to the Lead Agency and where appropriate, provide a status of the pending Financial Assurance Cost Estimate. Provide the date and amount of the most recently approved Financial Assurance Cost Estimate.

Also indicate if the Financial Assurance Cost Estimate is under appeal to the lead agency or whether it has been appealed to State Mining and Geology Board as described in PRC § 2770(e).

Use the Financial Assurance "Other" and "Explanation" blocks to provide any other pertinent information regarding the status of Financial Assurance(s). If the operation does not have a sufficient Financial Assurance Cost Estimate and/or Financial Assurance Mechanism, explain in detail.

**DEPARTMENT OF CONSERVATION****OFFICE OF MINE RECLAMATION**

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**SURFACE MINING INSPECTION REPORT**

VIII. Non-SMARA facility operations conditions solely of local concern (e.g. hours of operation) do not need to be noted here. See Instructions for Block VIII on reverse side of page. <b>[Use separate sheet(s) where necessary. Refer to item numbers below]</b>		CA MINE ID # <b>91-</b>	
Potential Reclamation Plan Requirements:	List Reclamation Plan Requirements (Recommended to be filled out prior to field inspection)	Note Site Conditions and Compliance Issues (Note additional comments on Page 5 as necessary)	VN?
<b>1) General Information</b>			<input type="checkbox"/>
a) Permitted Mineral Product(s)			
b) Approved Production Amount (Annual/Gross)			
c) End Date of Operations Per RP			
d) Permit end date			
e) End Use			
<b>2) Boundaries</b>			<input type="checkbox"/>
a) Property Boundary			
b) Permit Boundary			
c) Rec. Plan Boundary (RPB)			
d) Setbacks			
<b>3) Slopes – Grading</b>			<input type="checkbox"/>
a) Fill Slopes – Note Condition of:			
i) Slopes – Working (max/current)			
ii) Slopes – Reclaimed			
iii) Compaction			
b) Cut Slopes – Note Condition of:			
i) Slopes – Working (max./current)			
ii) Slopes – Reclaimed			
<b>4) Erosion Control</b>			<input type="checkbox"/>
a) BMPs			
b) Grading			
c) Vegetation			
<b>5) Ponds</b>			<input type="checkbox"/>
a) Design – Function			
b) Capacity (area/depth/volume)			
c) Maintenance			
<b>6) Stream &amp; Wetland Protection</b>			<input type="checkbox"/>
a) Buffers (distance to channel)			
b) Berms (distance/length/height)			
c) Best Management Practices			
d) Drainage			
e) Grading & Slopes			
f) Stockpiles			
g) Stream Diversions			
<b>7) Sensitive Wildlife &amp; Plant Protection</b>			<input type="checkbox"/>
a) List Species			
b) Protection Measures			

# INSTRUCTIONS FOR COMPLETING SURFACE MINING INSPECTION REPORT

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## BLOCK VIII: INSTRUCTIONS FOR EACH DATA COLUMN:

**Potential Reclamation Plan Requirements** (Column 1): Under CCR § 3504.5(f), "Inspections may include, but shall not be limited to the following: the operation's horizontal and vertical dimensions, volumes of materials stored on the site; slope angles of stock piles, waste piles and quarry walls; potential geological hazards; equipment and other facilities; samples of materials; photographic or other electronic images of the operation; any measurements or observations deemed necessary by the inspector or the lead agency to ensure the operation is in compliance with Public Resources Code Chapter 9." Column 1 provides a list of items that may be included in the approved reclamation plan, either expressly or by reference as described in PRC § 2772(d), which may include conditions of approval, other permit requirements and supplementary documents, including environmental documents, prepared for the project pursuant to Division 13 (commencing with Section 21000).

It is not expected that all reclamation plans will include each item of Section VIII, or be limited to the items listed. Items in Column 1 that are not operative requirements in the reclamation plan may not need to be addressed by the inspection. Operative reclamation plan requirements not listed in Items 1 through 12 may be listed in Item 13, under "Other Reclamation Plan Requirements."

**Reclamation Plan Requirements** (Column 2): Prior to field inspection, it is recommended that the inspector review the approved reclamation plan and any amendments, as well as any other documents included by reference, including conditions of approval, other permit requirements and supplementary documents, such as environmental documents prepared for the project pursuant to Division 13 (commencing with Section 21000) that specifically relate to reclamation of the mine site. The most recently approved Financial Assurance Cost Estimate and any pending or ongoing enforcement actions should also be reviewed. Conditions of approval that relate to facility operations solely of local concern, such as hours of operation, noise, and dust control are not subject to the inspection.

Column 2 is intended to provide the inspector a place to match any items noted in Column 1 with those items included in the approved reclamation plan either expressly or by reference as described in PRC § 2772(d), which may include conditions of approval, other permit requirements and supplementary documents, including environmental documents prepared for the project pursuant to Division 13 (commencing with § 21000). Also note any Interim Management Plan (IMP) requirements where the mine is subject to an IMP pursuant to PRC § 2770(h).

Indicate the source document for the reclamation plan requirements at the end of the entry in parenthesis; i.e. (COA) (POO) (EIR) (WDR) (SWPPP), etc. Conditions of approval that relate to facility operations solely of local concern, such as hours of operation, noise, and dust control should not be included in Column 2. If items listed in Column 1 of Section VIII of the form are not included in the reclamation plan or other documents included by reference, write not applicable or "NA" in Column 2.

Specific reclamation requirements may not apply to an operation at the time of inspection, but they are important to be aware of to ensure current activity at the site will not prohibit reclamation in accordance with the approved reclamation plan.

A copy of the Surface Mining and Reclamation Act of 1975 and 1993 SMGB regulations may be obtained at <http://www.conservation.ca.gov/omr/lawsandregulations/Pages/SMARA.aspx>.

**Site Conditions and Compliance Issues** (Column 3): Describe current site conditions and compliance issues noted for both operating and reclaimed surfaces that pertain to the reclaimed condition of the mining site. Block IX is provided for additional space to describe site conditions and/or compliance issues. Attach additional sheets as necessary. Evaluations of slope stability and engineered compaction should be prepared by qualified professionals only. PRC § 2774(b) states "The lead agency may cause an inspection to be conducted by a state licensed geologist, state licensed civil engineer, state licensed landscape architect, or state licensed forester, who is experienced in land reclamation and who has not been employed by a surface mining operation within the jurisdiction of the lead agency in any capacity during the previous 12 months."

**VN?** (Column 4): Use this box to indicate if violations were noted for any of the specific items under the corresponding item group heading (e.g., Boundaries, Slopes-Grading, etc.) during field inspection of the site. Enter number of violations in the box.

**DEPARTMENT OF CONSERVATION****OFFICE OF MINE RECLAMATION**

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**SURFACE MINING INSPECTION REPORT**

VIII. Non-SMARA facility operations conditions solely of local concern (e.g. hours of operation) do not need to be noted here. See Instructions for Block VIII on reverse side of page. <b>[Use separate sheet(s) where necessary. Refer to item numbers below]</b>		CA MINE ID # <b>91-</b>				
Potential Reclamation Plan Requirements:	List Reclamation Plan Requirements (Recommended to be filled out prior to field inspection)	Note Site Conditions and Compliance Issues (Note additional comments on Page 5 as necessary)	VN?			
<b>8) Soil/Overburden Stockpile Management</b>			<input type="checkbox"/>			
a) Topsoil						
i) Location						
ii) Slope Stability						
iii) BMPs						
b) Overburden						
i) Location						
ii) Slope Stability						
iii) BMPs						
c) Topsoil Application						
i) Amendments						
ii) Depth						
iii) Moisture						
iv) Application Methods						
<b>9) Revegetation</b>						<input type="checkbox"/>
a) Test Plots						
b) Species Mix						
c) Density						
d) Percent Cover						
e) Species Richness						
f) Protection						
g) Success Monitoring						
h) Invasive Species Control						
<b>10) Structures</b>			<input type="checkbox"/>			
<b>11) Equipment</b>			<input type="checkbox"/>			
<b>12) Closure of Adits</b>			<input type="checkbox"/>			
<b>13) Other Reclamation Plan Requirements</b>			<input type="checkbox"/>			



<p>IX. List comments/description/sketches to support observations of mine site conditions, including violations. Where any violations are noted, list in numerical order, along with suggested corresponding corrective actions. Also describe preventative measures recommended by the inspector to avoid or remedy potential violations. Indicate if you have attached photos, sketches, and/or notice(s) of violation(s) or other documents to this form.</p> <p><b>(Add additional sheets as necessary)</b></p>	CA MINE ID #
	<b>91-</b>
	Inspection Date:
	Weather Code(s):
	Duration of Inspection:
	Start Time:
	End Time:
	Status of Mine Code(s):
	Status of Reclamation Code(s):
	Approximate Acreage Under Reclamation:
	Approximate Acreage the lead agency has determined reclaimed in accordance with the approved reclamation plan:
	Approximate Total Disturbed Acreage:

X. Number of Current Violations:	Inspectors Signature:	If inspector is a contractor for the lead agency give license type and number:
	Date Signed:	

# INSTRUCTIONS FOR COMPLETING SURFACE MINING INSPECTION REPORT

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## BLOCK IX

Inspectors may use the large open block for comments to describe violations, corresponding corrective actions, or preventative measure(s) suggested by the inspector to address noted violations or avoid potential violations, and to explain any limitations on the inspection conducted. The inspector can also use this space to describe the status of any pending or current enforcement actions. Separate violations that are the subject of existing enforcement actions from violations observed during the current inspection.

Enter California Mine ID Number and Date of Inspection.

Weather Codes: CR = Clear; CL = Cloudy; RN = Rain; SN = Snow; WD = Windy

For "Duration of Inspection," indicate the start and end times of the inspection (do not include travel time).

SMARA Status Codes (based on annual report and reported production under CCR § 3695, indicate the appropriate status code)

I = Idle (Per § 2727.1)

NP = Newly Permitted (must be no mining/disturbance)

AB = Abandoned (Per § 2770(h)(6))

NOP-NC = Not in operation, reclamation not completed

NOP-C = Not in operation, reclamation completed

If idle, indicate either the date operation became idle as defined by PRC Section 2727.1, the date an IMP was approved, or the status of any pending IMP.

Status of Reclamation Codes:

RN = Reclamation not begun

P = Post reclamation monitoring

R = Reclamation in progress

RC = Reclamation complete

Enter approximate acreage under reclamation (the number of acres actively being reclaimed in accordance with the approved reclamation plan).

Enter approximate acreage determined to be reclaimed in accordance with the approved reclamation plan by Lead Agency.

Enter approximate total disturbed acreage. This includes all acreage disturbed by the surface mining operation, as defined by PRC § 2729: "Mined Lands" includes the surface, subsurface, and ground water of an area in which surface mining operations will be, are being, or have been conducted, including private ways and roads appurtenant to any such area, land excavations, workings, mining waste, and areas in which structures, facilities, equipment, machines, tools or other materials or property which result from, or are used in, surface mining operations are located." This should include acreage under reclamation that has not been determined to be reclaimed in accordance with the approved reclamation plan by the Lead Agency.

Enter the total number of acres within or adjacent to the disturbance area of the operation disturbed pre-SMARA (disturbance before January 1, 1976, that has not had mining related disturbance after January 1, 1976).

Enter the disturbed acreage identified in the most recent Financial Assurance Cost Estimate (i.e., the disturbed acreage that was used to calculate the most recent Financial Assurance Cost Estimate.

Enter the date of the previous lead agency inspection and number of violations noted during that inspection.

Attendees: Provide the names and affiliations of parties in attendance at the inspection.

## BLOCK X:

Enter the number of violations noted during the inspection. Sign and date the Inspection Report. If the inspector is a consultant to the lead agency, include the inspector's certification (PE, PG, CEG, etc.) and license number, if applicable. The lead agency may cause an inspection to be performed by contracting with private consultants, specifically: state licensed geologist, state licensed civil engineer, state licensed landscape architect, or state licensed forester per § 2774(b).

## **Attachment A**

### **2014 Annual SMARA Inspection of the Stevens Creek Quarry County File 1253-94P-07P-14PAM State Mine ID #91-43-0007**

The 2014 annual SMARA inspection was conducted for 3 hours on the morning of September 11, 2014. In attendance were Marina Rush, Planner III, Jim Baker, County Geologist, and Jerry Guevarra, Supervising Construction Inspector, representing Santa Clara County, and Jason Voss and John Kolski, representing Stevens Creek Quarry. The mine was active (A) during the inspection. Reclamation (R) has begun in some areas. The weather during the inspection was clear (CR). The mine entrance is located near latitude 37° 17.785'N and longitude 122° 05.071'W.

#### **BACKGROUND**

The Stevens Creek Quarry has operated for more than 50 years in the Stevens Canyon area to the southwest of the City of Cupertino. The mine lies in a north-northwest trending canyon on the northeast of Monte Bello Ridge in the Santa Cruz Mountains. The access to the mine is off of Stevens Canyon Road, which runs along the west side of the Stevens Creek Reservoir and Stevens Creek County Park. Drainage from the mine flows east into Swiss Creek, which discharges into the reservoir. The current mining operations occur in two areas commonly referred to as "Parcel A" and Parcel "B." Parcel A encompasses 51 acres on the southeast side and Parcel B, encompassing a combined 96 acres on the northwest. The mine operations and reclamation plan encompass approximately 147 acres of a 167-acre site.

The Stevens Creek Quarry Reclamation Plan was amended in May 2009. Parcel A is the southeastern portion of the mine and was the earliest mined portion of the site. Today, mining continues on Parcel A, which also contains most of the operations offices, shops, and maintenance facilities. The County issued a Use Permit in 1996 for a concrete, asphalt, and soil recycling facility within Parcel A. The recycling operations are located north of the main office. In October 2002 the County Board of Supervisors approved a mediated agreement containing operational conditions and reclamation requirements on Parcel B. Both the 1996 and 2002 conditions are included in Appendix C of the 2009 Reclamation Plan Amendment.

Quarrying also occurs on Parcel B where the crushing, screening and sorting operations occupy the floor of the pit. Mining in Parcel B extracts primarily Franciscan greenstone for aggregate. The land to the north, east, and west sides of Parcel B is undeveloped land owned by Lehigh Southwest Cement Company.

A portion of the slopes along the northern mine boundary in Parcel A are cut to final grade consistent with the Reclamation Plan. These slopes have not been vegetated as required by the Reclamation Plan in part because stockpiles of recycled material are temporarily placed over the slope and partly because of the poor nutrient condition of the materials exposed in the cuts. Portions of the northern Parcel A slopes are vegetated with grasses for control of erosion. Minor active mining still takes place within Parcel A to achieve final reclamation grade along with the approved recycling operations.

## **SITE CONDITIONS**

The northeastern portion of Parcel A is used for mining and recycling concrete, asphalt and topsoil. Large stockpiles of these materials are placed along the northern portion of the parcel boundary and partially bury the finished mine slope. A large stockpile of topsoil made from various soils from offsite projects is being stored at the northeast corner of Parcel A. The northern edge of the topsoil stockpile is naturally re-vegetated and partially overlies the edge of the previous Parcel A quarry.

Re-vegetation of 2.4 sloped acres along the northern boundary of Parcel A remains ongoing. Two revegetation test plots were established on the slopes; trees and shrubs were stored in containers adjacent to the slopes to acclimate to the location. Trees that were planted on the slopes did not survive the acclimation period. The operator attempted to have the 2.4 acres planted in previous years; however, insufficient survival of the plants prevented final planting. The County recommends the operator consult with a qualified biologist or botanist to reconsider the plant choice for the location, taking into consideration the climate, soils, and slope of the land.

There are several stormwater drains spaced throughout Parcel A. These drains discharge into several small collection basins and eventually discharge offsite from a southeastern basin adjacent to the mine entrance. A series of small stormwater basins runs along the northern edge of the main mine access road to collect and filter runoff from the road and western portions of Parcel A. These basins eventually drain into the southeastern basin. The southeastern basin discharges south offsite into Swiss Creek, a small creek that drains directly into the Stevens Creek Reservoir. As previously reported, storm water from the quarry is stored in a series of settling basins that run along the southern boundary of Parcel A and B. Two of these basins are in Parcel A, the lowermost basin being the largest. Inspectors observed all the drains, collection basins, and settling basins were clean and in good working order.

Mining is conducted in Parcel B in a north-northwest trending quarry where Franciscan greenstone bedrock is extracted. Mining also continues on Parcel A. Inspectors observed that most of the equipment for crushing and sorting rock materials is located on the floor of the quarry in Parcel B. Excavation of the northeastern corner of Parcel B quarry is done to expand operations and mitigate an unstable highwall area. This expanded mining area removed a portion of the perimeter Pacific Gas and Electric Company power line access road. At the September, 2014 inspection, the operator informed the County that PG&E will replace the utility pole with two new poles east of location.

Vegetation test plot area, all vegetation appears to be dead.



Photo by Jim Baker, Sept. 11, 2014

Top of repaired slop (previous slump) along northern property line of Parcel A. This appears to have been completed properly.



Photo by Jim Baker, Sept. 2014

Looking west at high wall cuts. Localized slumping has occurred between benches that will be buried by fill during reclamation.



**Photo by Jim Baker, Sept. 11, 2014**

Looking down on northern slope of pit. Localized cracking and erosion rills have formed in the slope that will be cut back per the reclamation plan.



**Photo by Jim Baker, Sept. 11, 2014**

Open cracks in the road near the power pole that will be replaced indicate tension resulting from slope movement. The area will be cut down to allow runoff to flow to the east, that will also relieve some of the stress that the overburden is applying to the cut slope below.



**Photo by Jim Baker, Sept. 11, 2014**

Looking up at slumps in high wall cut slope on west side of pit.



Pond near plant appears to have adequate capacity.



Photo by Jim Baker, Sept. 11, 2014.

## **VIOLATIONS AND ISSUES OF CONCERN**

No SMARA violations were noted during the 2014 annual site inspection. The Stevens Creek Quarry is in compliance with SMARA.

## **AREAS OF CONCERN AND ISSUES TO MONITOR**

1. Mine operator should install test plots to test the revegetation plan, and consult with a botanist or qualified biologist to test for survival rates of the plant pallet.
2. The operator should hydroseed the un-vegetated portions of the buttress fill being placed in the northeast corner of the quarry and any bare road berms along the eastern and northern perimeter road as necessary to prevent erosion. This shall be re-checked and verified by the County during the next winterization inspection for bmp's.

3. The operator should submit photo documentation regarding the removal and replacement of the PG&E pole, in the northeast corner of Parcel B. Should also contact their consulting geologist to assess slope instability of this area and incorporate any recommendations made.

### **FINANCIAL ASSURANCE**

Santa Clara County received the financial assurance cost estimate (FACE) for the Stevens Creek quarry in July 2014. The FACE is under review by the County of Santa Clara. When the County certifies that the FACE is complete, County staff will forward under a separate cover letter the FACE to the Office of Mine Reclamation for its mandated 45-day review.

