
Central Valley Regional Water Quality Control Board

29 April 2016

Peter Dwelley
Stoneridge Quarry, LLC
7423 Fair Oaks Boulevard, #10
Carmichael, CA 95608

CERTIFIED MAIL
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***CLEAN WATER ACT §401 TECHNICALLY CONDITIONED WATER QUALITY
CERTIFICATION; STONERIDGE QUARRY, LLC, STONERIDGE QUARRY PROJECT
(WDID#5B34CR00050), SACRAMENTO COUNTY***

This Order responds to the 23 May 2012 application submitted by Stoneridge Quarry, LLC (Applicant) for the Water Quality Certification of the Stoneridge Quarry Project (Project). This Certification provides coverage for permanent impacts to 10.771 acres of waters of the United States.

This Order serves as certification of the United States Army Corps of Engineers' Individual Permit (SPK-2008-00444) under § 401 of the Clean Water Act, and a Waste Discharge Requirement under the Porter-Cologne Water Quality Control Act and State Water Board Order 2003-0017-DWQ.

WATER QUALITY CERTIFICATION STANDARD CONDITIONS:

1. This Order serves as a Water Quality Certification (Certification) action that is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to § 13330 of the California Water Code and § 3867 of the California Code of Regulations.
2. This Certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to § 3855(b) of the California Code of Regulations, and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any non-denial Certification action shall be conditioned upon total payment of the full fee required under § 3860(c) of the California Code of Regulations.

4. This Certification is no longer valid if the Project (as described) is modified, or coverage under § 404 of the Clean Water Act has expired.
5. All reports, notices, or other documents required by this Certification or requested by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) shall be signed by a person described below or by a duly authorized representative of that person.
 - (a) For a corporation: by a responsible corporate officer such as: 1) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function; 2) any other person who performs similar policy or decision-making functions for the corporation; or 3) the manager of one or more manufacturing, production, or operating facilities if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - (b) For a partnership or sole proprietorship: by a general partner or the proprietor.
 - (c) For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official.
6. Any person signing a document under Standard Condition number 5 shall make the following certification:

"I certify 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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

TECHNICAL CERTIFICATION CONDITIONS:

In addition to the above standard conditions, the Applicant shall satisfy the following:

1. The Applicant shall notify the Central Valley Water Board in writing seven (7) days in advance of the start of any work within waters of the United States.
2. Except for activities permitted by the United States Army Corps of Engineers under § 404 of the Clean Water Act, soil, silt, or other organic materials shall not be placed where such materials could pass into surface water or surface water drainage courses.
3. The Applicant shall maintain a copy of this Certification and supporting documentation (Project Information Sheet) at the Project site during construction for review by site personnel and agencies. All personnel (employees, contractors, and subcontractors) performing work on the proposed Project shall be adequately informed and trained regarding the conditions of this Certification.

4. The Applicant shall perform surface water sampling¹:
- when performing any in-water work;
 - in the event that Project activities result in any materials reaching surface waters; or
 - when any activities result in the creation of a visible plume in surface waters.

The sampling requirements in Table 1 shall be conducted upstream out of the influence of the Project, and 300 feet downstream of the work area. The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff.

Table 1:

Parameter	Unit	Type of Sample	Minimum Sampling Frequency	Required Analytical Test Method
Turbidity	NTU	Grab ⁽¹⁾	Every 4 hours during in-water work	(2, 4)
Settleable Material	mL/L	Grab ⁽¹⁾	Every 4 hours during in-water work	(2)
Visible construction related pollutants ⁽³⁾	Observations	Visual Inspections	Continuous throughout the construction period	—
Temperature	°F (or as °C)	Grab ⁽¹⁾	Every 4 hours during in-water work	(2, 4)
pH	Standard Units	Grab ⁽¹⁾	Every 4 hours during in-water work	(2, 4)
Dissolved Oxygen (DO)	mg/L & % saturation	Grab ⁽¹⁾	Every 4 hours during in-water work	(2, 4)

⁽¹⁾ Grab samples shall not be collected at the same time each day to get a complete representation of variations in the receiving water.

⁽²⁾ Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Central Valley Water Board staff.

⁽³⁾ Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.

⁽⁴⁾ A hand-held field meter may be used, provided the meter utilizes a USEPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.

Surface water sampling shall occur at mid-depth. A surface water monitoring report shall be submitted within two weeks of initiation of in-water construction, and every two weeks thereafter. In reporting the sampling data, the Applicant shall arrange the data in tabular form so that the sampling locations, date, constituents, and concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the Project complies with Certification requirements. The report shall include surface water sampling results, visual observations, and identification of the turbidity increase in the

¹ Sampling is not required in wetlands, where the entire wetland is being permanently filled; provided there is no outflow connecting the wetland to surface waters.

receiving water applicable to the natural turbidity conditions specified in the turbidity criteria below.

If no sampling is required, the Applicant shall submit a written statement stating, "No sampling was required" within two weeks of initiation of in-water construction, and every two weeks thereafter.

5. The Central Valley Water Board adopted a *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised June 2015 (Basin Plan) that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. Turbidity and settleable matter limits are based on water quality objectives contained in the Basin Plan and are part of this Certification as follows:

- a) Activities shall not cause turbidity increases in surface water to exceed:
 - i. where natural turbidity is less than 1 Nephelometric Turbidity Units (NTUs), controllable factors shall not cause downstream turbidity to exceed 2 NTUs;
 - ii. where natural turbidity is between 1 and 5 NTUs, increases shall not exceed 1 NTU;
 - iii. where natural turbidity is between 5 and 50 NTUs, increases shall not exceed 20 percent;
 - iv. where natural turbidity is between 50 and 100 NTUs, increases shall not exceed 10 NTUs; and
 - v. where natural turbidity is greater than 100 NTUs, increases shall not exceed 10 percent.

Appropriate averaging periods may be applied, provided that beneficial uses will be fully protected.

- b) Activities shall not cause settleable matter to exceed 0.1 mL/L in surface waters as measured in surface waters within 300 feet downstream of the Project or within the work area.

- 6. The Applicant shall notify the Central Valley Water Board immediately if the above criteria for turbidity, settleable matter, or other water quality objectives are exceeded.
- 7. In-water work shall occur during periods of no flow and no precipitation. The Applicant shall perform surface water sampling in accordance with Technical Certification Condition No. 4, if any of the following conditions occur: 1) in-water work is conducted during an unanticipated flow event; 2) Project activities result in any materials reaching surface waters; or 3) Project activities result in the creation of a visible plume in surface waters.
- 8. Activities shall not cause visible oil, grease, or foam in the receiving water.
- 9. Refueling of equipment within the floodplain or within 300 feet of the waterway is prohibited. If critical equipment must be refueled within 300 feet of the waterway, spill prevention and countermeasures must be implemented to avoid spills. Refueling areas shall be provided

with secondary containment including drip pans and/or placement of absorbent material. No hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, or other construction-related potentially hazardous substances should be stored within a floodplain or within 300 feet of a waterway. The Applicant must perform frequent inspections of construction equipment prior to utilizing it near surface waters to ensure leaks from the equipment are not occurring and are not a threat to water quality.

10. The Applicant shall develop and maintain onsite a project-specific Spill Prevention, Containment and Cleanup Plan outlining the practices to prevent, minimize, and/or clean up potential spills during construction of the Project. The Plan must detail the Project elements, construction equipment types and location, access and staging and construction sequence.
11. Raw cement, concrete (or washing thereof), asphalt, drilling fluids, lubricants, paints, coating material, oil, petroleum products, or any other substances which could be hazardous to fish and wildlife resulting from or disturbed by project-related activities, shall be prevented from contaminating the soil and/or entering waters of the United States.
12. Silt fencing, straw wattles, or other effective management practices must be used along the construction zone to minimize soil or sediment along the embankments from migrating into the waters of the United States through the entire duration of the Project.
13. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the Project area.
14. All areas disturbed by Project activities shall be protected from washout and erosion.
15. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.
16. Hydroseeding shall be performed with California native seed mix.
17. All materials resulting from the Project shall be removed from the site and disposed of properly.
18. This Certification does not allow permanent water diversion of flow from the receiving water. This Certification is invalid if any water is permanently diverted as a part of the project.
19. If unanticipated discharges to waters of the United States and/or soil occur, the Applicant shall notify the Central Valley Water Board staff in writing within 5 calendar days of the occurrence. Unanticipated discharges may include, but are not limited to, any construction materials, hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, raw cement, concrete, asphalt, paint, coating material, drilling fluids, or other construction-related, potentially hazardous substances.
20. The Applicant shall obtain coverage under the NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities Order No. 2009-0009-DWQ for discharges to surface waters comprised of storm water associated with

construction activity, including, but not limited to, demolition, clearing, grading, excavation, and other land disturbance activities of one or more acres, or where projects disturb less than one acre, but are part of a larger common plan of development that in total disturbs one or more acres.

21. The Applicant shall obtain coverage under the NPDES General Permit for Storm Water Discharges Associated with Industrial Activities Order No. CAS000001 for discharges to surface or ground waters associated with mining activities where projects disturb less than one acre, but are part of a larger common plan of development that in total disturbs one or more acres.
22. If temporary surface water diversions are anticipated, the Applicant shall develop and maintain on-site a Surface Water Diversion Plan. The Plan must be developed prior to initiation of any water diversions. The Plan shall include the proposed method and duration of diversion activities. The Plan must be consistent with this Certification and must be made available to the Central Valley Water Board staff upon request.
23. When work in a flowing stream is unavoidable and any dam or other artificial obstruction is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream, to maintain beneficial uses of waters of the State below the dam. Construction, dewatering, and removal of temporary cofferdams shall not violate Technical Certification Condition 5 of this Certification.
24. Any temporary dam or other artificial obstruction constructed shall only be built from clean materials such as sandbags, gravel bags, water dams, or clean/washed gravel which will cause little or no siltation. Stream flow shall be temporarily diverted using gravity flow through temporary culverts/pipes or pumped around the work site with the use of hoses.
25. The discharge of petroleum products, any construction materials, hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, raw cement, concrete, asphalt, paint, coating material, drilling fluids, or other construction-related potentially hazardous substances to surface water and/or soil is prohibited. In the event of a prohibited discharge, the Applicant shall notify the Central Valley Water Board Contact within 24-hours of the discharge.
26. The Applicant shall apply for a name change or amendment to this Certification should any of the following occur: a) a change in the ownership of all or any portion of the Project; b) any change in the Project description; c) any change involving discharge amounts, temporary impacts, or permanent impacts; or d) amendments, modifications, revisions, extensions, or changes to the United States Army Corps of Engineers' Individual Permit, the United States Fish and Wildlife Service decision document, or the California Department of Fish and Wildlife Streambed Alteration Agreement.
27. The Applicant shall comply with all California Department of Fish and Wildlife requirements, including those requirements described in Lake or Streambed Alteration Agreement No. 1600-2011-0211-R2.

28. The Applicant shall comply with all United States Fish and Wildlife Service requirements, including those requirements described in the Letter of Concurrence (08ESMF00-2012-I-0124-1) dated 3 May 2012.
29. If suitable habitat for Valley elderberry longhorn beetle (VELB) is within close proximity where VELB will be affected by the Project or occurs within the Project area, the Applicant shall implement the United States Fish and Wildlife Conservation Guidelines for the Valley Elderberry Longhorn Beetle dated 9 July 1999.
30. If dewatering activities result in discharges into surface water, the Applicant shall work with the Central Valley Water Board to obtain coverage under an NPDES permit.
31. If dewatering activities result in discharges to land, the Applicant shall work with the Central Valley Water Board to obtain coverage under Waste Discharge Requirements (WDRs).
32. The Conditions in this Certification are based on the information in the attached "Project Information Sheet." If the actual project, as described in the attached Project Information Sheet, is modified or changed, this Certification is no longer valid until amended by the Central Valley Water Board.
33. The Applicant shall implement each of the mitigation measures specified in the certified Environmental Impact Report for the Project, as they pertain to biology, hydrology and water quality impacts as required by § 21081.6 of the Public Resource Code and § 15097 of the California Code of Regulations.
34. In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. The applicability of any state law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to ensure compliance with this Certification.
 - (a) If the Applicant or a duly authorized representative of the Project fails or refuses to furnish technical or monitoring reports, as required under this Certification, or falsifies any information provided in the monitoring reports, the applicant is subject to civil liability, for each day of violation, and/or criminal liability.
 - (b) In response to a suspected violation of any condition of this Certification, the Central Valley Water Board may require the Applicant to furnish, under penalty of perjury, any technical or monitoring reports the Central Valley Water Board deems appropriate, provided that the burden, including cost of the reports, shall be in reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
 - (c) The Applicant shall allow the staff of the Central Valley Water Board, or an authorized representative(s), upon the presentation of credentials and other documents, as may be required by law, to enter the Project premises for inspection,

including taking photographs and securing copies of project-related records, for the purpose of assuring compliance with this Certification and determining the ecological success of the Project.

35. As required by the United States Army Corps of Engineers, the Applicant will purchase mitigation credits for the creation of 11.100 acres of wetland habitat from the Cosumnes River Mitigation Bank to mitigate for the loss of 10.610 acres of wetland (waters of the United States) and creation of 0.162 acre of vernal pool habitat at the Clay Station Mitigation Bank to mitigate for 0.162 acre of vernal pool impacts (waters of the United States).

At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts. Evidence of this purchase shall be provided to the Central Valley Water Board prior to proceeding with the activity authorized by this Certification.

NOTIFICATIONS AND REPORTS:

36. The Applicant shall provide a Notice of Completion (NOC) no later than 30 days after the Project completion. The NOC shall demonstrate that the Project has been carried out in accordance with the Project description in the Certification and in any approved amendments. The NOC shall include a map of the Project location(s), including final boundaries of any on-site restoration area(s), if appropriate, and representative pre and post construction photographs. Each photograph shall include a descriptive title, date taken, photographic site, and photographic orientation.
37. The Applicant shall submit all notifications, submissions, materials, data, correspondence, and reports in a searchable Portable Document Format (PDF). Documents less than 50 MB must be emailed to: centralvalleysacramento@waterboards.ca.gov. In the subject line of the email, include the Central Valley Water Board Contact, Project name, and WDID number as shown in the subject line above. Documents that are 50 MB or larger must be transferred to a disk and mailed to the Central Valley Water Board Contact.

CENTRAL VALLEY WATER BOARD CONTACT:

Stephanie Tadlock, Environmental Scientist
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670-8114
Stephanie.Tadlock@waterboards.ca.gov
(916) 464-4644

CALIFORNIA ENVIRONMENTAL QUALITY ACT:

The County of Sacramento is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Stoneridge Quarry Project pursuant to § 21000 et seq. of the Public Resources Code. The County of Sacramento certified the Environmental Impact Report (SCH No. 2007122013) and Statement of Overriding Considerations on 7 December 2011.

Significant and unavoidable impacts identified in the Statement of Overriding Considerations include impacts to biology. The County of Sacramento filed a Notice of Determination with the State Clearinghouse on 8 December 2011.

The Central Valley Water Board is a responsible agency for the project. The Central Valley Water Board has determined that the Environmental Impact Report is in accordance with the requirements of the California Environmental Quality Act.

The Central Valley Water Board has reviewed and evaluated the impacts to water quality identified in the Environmental Impact Report. The proposed mitigation measures discussed in the Environmental Impact Report were adopted to avoid and minimize project impacts to State waters and are required by this Certification.

With regard to the remaining impacts identified in the Environmental Impact Report, the corresponding mitigation measures proposed are within the responsibility and jurisdiction of other public agencies.

WATER QUALITY CERTIFICATION:

I hereby issue an Order certifying that any discharge from the Stoneridge Quarry, LLC, Stoneridge Quarry Project (WDID#5B34CR00050) will comply with the applicable provisions of § 301 ("Effluent Limitations"), § 302 ("Water Quality Related Effluent Limitations"), § 303 ("Water Quality Standards and Implementation Plans"), § 306 ("National Standards of Performance"), and § 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. Through this Order, this discharge is also regulated under State Water Resources Control Board Water Quality Order No. 2003-0017 DWQ "Statewide General Waste Discharge Requirements For Dredged Or Fill Discharges That Have Received State Water Quality Certification (General WDRs)".

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on: a) the discharge being limited and all proposed mitigation being completed in compliance with the conditions of this Certification, Stoneridge Quarry, LLC's application package, and the attached Project Information Sheet; and b) compliance with all applicable requirements of the *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised June 2015.

Original Signed By Adam Laputz for:

Pamela C. Creedon
Executive Officer

Enclosure: Project Information Sheet

Attachments: Figure 1 – Project Location Map
Figure 2 – Project Impacts Map

cc: Distribution List, page 16

PROJECT INFORMATION SHEET

Application Date: 23 May 2014

Applicant: Stoneridge Quarry, LLC
7423 Fair Oaks Boulevard, #10
Carmichael, CA 95608

Applicant Representative: ECORP Consulting, Inc
2525 Warren Drive
Rocklin, CA 95677

Project Name: Stoneridge Quarry Project

Application Number: WDID#5B34CR00050

Date on Public Notice: 25 May 2012

Type of Project: Oil, Gas, & Mineral Extraction – Hard Rock Mines

Approved Months of Project Implementation: 15 May 2016 through 31 October 2021, as required by the California Department of Fish and Wildlife

Project Location: Section 28, 32, and 33, Township 9 North, Range 8 East, MDB&M.
Latitude: 38°35'26" N and Longitude: 121°6'15" W

County: Sacramento County

Receiving Water(s) (hydrologic unit): Carson Creek, Deer Creek, Cosumnes River, Mokelumne River, vernal pools, and an unnamed wetland, Sacramento Hydrologic Basin, Valley-American Hydrologic Unit #519.21, Lower American HSA

Water Body Type: Wetland, Streambed, Vernal Pools

Designated Beneficial Uses: The *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised June 2015 (Basin Plan) has designated beneficial uses for surface and ground waters within the region. Beneficial uses that could be impacted by the project include, but are not limited to: Municipal and Domestic Water Supply (MUN); Agricultural Supply (AGR); Industrial Supply (IND); Hydropower Generation (POW); Groundwater Recharge (GWR); Water Contact Recreation (REC-1); Non-Contact Water Recreation (REC-2); Warm Freshwater Habitat (WARM); Cold Freshwater Habitat (COLD); Preservation of Biological Habitats of Special Significance (BIOL); Rare, Threatened, or Endangered Species (RARE); Migration of Aquatic Organisms (MIGR); Spawning, Reproduction, and/or Early Development (SPWN); and Wildlife Habitat (WILD). A comprehensive and specific list of the beneficial uses applicable for the project area can be found at http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/index.shtml.

303(d) List of Water Quality Limited Segments: Carson Creek, Deer Creek, Cosumnes River, Mokelumne River, vernal pools, and an unnamed wetland are the receiving waters for the Stoneridge Quarry Project.

The vernal pools and unnamed wetland are not listed on the 303(d) list. Carson Creek is listed on the 303(d) list for aluminum and manganese. Deer Creek is listed on the 303(d) list for iron. Cosumnes River is listed on the 303(d) list for Escherichia coli (E. Coli), invasive species, and sediment toxicity. Mokelumne River is listed on the 303(d) list for chlorpyrifos, copper, mercury, dissolved oxygen, zinc, and unknown toxicity.

This project, as conditioned with mitigation measures to prevent transport of sediment due to project activities, will minimize impacts to Carson Creek, Deer Creek, Cosumnes River, and Mokelumne River. The most recent list of approved water quality limited segments is found at: http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml.

Project Description: The Stoneridge Quarry Project (Project) is located in eastern Sacramento County, west of Latrobe Road and east of Scott Road. The Project involves a construction-aggregates production facility involving a hardrock surface mining operation and processing facilities. The Project consists of constructing a primary processing facility in the northern portion of the Project area, associated processing facilities and infrastructure, and a 350-acre materials extraction area. Box culverts will be installed in Carson Creek to provide a crossing for wildlife. Grading and filling in preparation for facility construction activities and access road improvements will impact Carson Creek, Deer Creek, Cosumnes River, and Mokelumne River.

The Stoneridge Quarry Project consists of two main plans, the Mine Plan consisting of seven phases and the Reclamation Plan. In addition to the Stoneridge Quarry, there are two other hardrock quarries proposed in the vicinity, the Teichert Quarry and the Milgate Quarry.

Phase 1 of the Mine Plan

The initial phase of the mining plan will include construction of the access road (if it has not already been completed by Teichert Quarry), plant site development, quarry development, and facility construction. It is approximately 1,360 acres in size and the primary extraction area at Teichert Quarry will encompass approximately 350 acres (Figure 2).

Phase I includes initial development of Stoneridge Quarry. The quarry progression starts in the south-east part of the property. Construction of the permanent aggregate plant, hot mix asphalt plant, construction materials recycling plant and ready-mix concrete plant will be in the northern portion of the site. The southwestern portion of Stoneridge Quarry will be the primary mining location.

An access road and bridge will be constructed over Carson Creek to access the quarry and landscaped mitigation berms will be constructed generally along the southern and western borders of the plant site. The access road will be providing access to the intersection of Scott Road and White Rock Road. It will be extended from the site approximately one mile north to White Rock Road and will be constructed to a 33-foot pavement width within an existing 110-foot wide unimproved County right-of-way. To allow wildlife to cross Carson Creek, metal

box culverts will be constructed to provide a natural stream substrate with sufficient space to allow unimpaired wildlife movement through the creek corridor.

Phase I Project activities will permanently impact 0.100 acre of vernal pools, 5.749 acres of wetlands, and 2.487 acres of stream channel (waters of the United States).

Phases II through VII of the Mine Plan

Phases II through VII of the mining plan will develop the quarry footprint from south to north. Phase IV is the final quarry phase that stays south of the east-west drainage divide in the extraction area. In Phase V, mining begins to proceed north of Carson Creek.

In addition, the quarry will need to be dewatered for mining activities. One or two production wells will be placed in appropriate locations within the quarry and be operated in conjunction with dewatering sump pumps located on the surface of the pit floor. The Applicant will obtain a NPDES permit or waste discharge requirements for discharges to surface or ground water associated with dewatering activities using a dewatering sump pump. A water treatment facility may be constructed to treat the pumped water prior to discharge into Carson Creek. An NPDES permit and Industrial Stormwater Permit is required prior to any discharge to Carson Creek.

Reclamation Plan

The Reclamation Plan will be conducted to meet the following long-term goals:

- Establish stable surface, topographic, and drainage conditions that will control erosion while also being compatible with the surrounding landscape.
- Establish planting conditions that will be suited to the development of a stable plant community.
- Vegetate disturbed areas, wherever practical, using species adapted to site conditions and compatible with the native vegetation.
- Consider public safety through removal of structures, construction of fencing and the stabilization of potentially dangerous landforms.

Reclamation activities will include removing the processing plant, re-grading the plant site and establishing final reclaimed slopes on the quarry pit. Additional activities would include redistributing residual overburden and topsoil, vegetating both the plant site and the quarry site with native species, and implementing interim erosion control, water quality, and weed control measures.

The mining will ultimately result in an open pit averaging 350 feet deep over 75 to 100 years. The Project reclamation plan anticipates a slow filling pit lake as the end land use with a return to seasonal cattle grazing or other agricultural related uses on the other acres of the project site.

Phases II through VII Project activities will permanently impact 0.062 acre of vernal pools, 1.651 acres of wetlands, and 0.722 acre of stream channel (waters of the United States).

Summary of Impacts

If Valley elderberry longhorn beetle (VELB) habitat has been identified within the Project area the Applicant shall implement the United States Fish and Wildlife Conservation Guidelines for

the Valley Elderberry Longhorn Beetle dated 9 July 1999 to minimize impacts to VELB. No dewatering will occur within the Project area. No wet concrete will be placed into wetlands or vernal pools (waters of the United States) in the Project area. The project will permanently impact 10.771 acres of waters of the United States.

Preliminary Water Quality Concerns: Construction activities may impact surface waters with increased turbidity, settleable matter.

Proposed Mitigation to Address Concerns: The Applicant will implement Best Management Practices to control sedimentation and erosion. All temporary affected areas will be restored to pre-construction contours and conditions upon completion of construction activities to provide 1:1 mitigation for temporary impacts.

The Applicant will conduct turbidity and settleable matter testing during in-water work, stopping work if Basin Plan criteria are exceeded or observations indicate an exceedance of a water quality objective.

Excavation/Fill Area: Approximately 8,120 cubic yards of native soil will be excavated from 10.771 acres of wetland, streambed, and vernal pools (waters of the United States).

Approximately 8,690 cubic yards of clean soil will be placed into 10.771 acres of wetland, streambed, and vernal pools (waters of the United States).

Dredge Volume: None

California Integrated Water Quality System Impact Data: The Project will permanently impact 2.935 acres of stream bed habitat, 0.162 acre of vernal pool habitat, and 7.675 acres of wetland habitat from fill and dredging activities.

Table 2: Impacts from Fill Activities

Aquatic Resource Type	Temporary			Permanent					
				Physical Loss of Area			Degradation of Ecological Condition Only		
	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet
Stream Channel	--	--	--	3.209	--	--	--	--	--
Vernal Pool	--	--	--	0.162	--	--	--	--	--
Wetland	--	--	--	7.400	--	--	--	--	--
TOTAL	--	--	--	10.771	--	--	--	--	--

United States Army Corps of Engineers File Number: SPK-2008-00444

United States Army Corps of Engineers Permit Type: Individual Permit

**California Department of Fish and Wildlife Lake or Streambed Alteration Agreement:
1600-2012-0211-R2**

Possible Listed Species: Vernal pool tadpole shrimp, Vernal pool fairy shrimp, Valley elderberry longhorn beetle, Western spadefoot toad, California salamander, California red-legged frog, Northwestern pond turtle, Chinook spring-run salmon, Central Valley fall/late fall run salmon, Central Valley steelhead, Delta smelt, White-tailed kite, Northern harrier, Sharp-shinned hawk, Cooper’s hawk, Swainson’s hawk, Golden eagle, Merlin, Prairie falcon, Long-billed curlew, Burrowing owl, Short-eared owl, Loggerhead shrike, Tricolored blackbird, Pallid bat, and American badger.

Status of CEQA Compliance: The County of Sacramento certified an Environmental Impact Report on 7 December 2011 (SCH No. 2007122013). The County of Sacramento filed a Notice of Determination with the Sacramento County Clerk Office on 8 December 2011.

The Central Valley Water Board will file a Notice of Determination with the State Clearinghouse as a responsible agency within five (5) days of the date of this Certification.

Compensatory Mitigation: As required by the United States Army Corps of Engineers, the Applicant will purchase 11.100 acres of wetland habitat creation mitigation credits from the Cosumnes River Mitigation Bank to mitigate for 10.609 acres of wetland and stream bed impacts (waters of the United States) and creation of 0.162 acre of vernal pool habitat at the Clay Station Mitigation Bank to mitigate for 0.162 acre of vernal pool impacts (waters of the United States).

At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts. Evidence of this purchase shall be provided to the Central Valley Water Board prior to proceeding with the activity authorized by this Certification.

Table 3: Compensatory Mitigation for Permanent Physical Loss of Area

Aquatic Resource Type	Comp Mitigation Type			Units		Established	Re-established	Rehabilitated	Enhanced	Preserved	Unknown
	In-Lieu	Mit. Bank	Permittee Responsible	AC (Acres)	LF (Linear Feet)						
Vernal Pool		X		0.162		X					
Wetland		X		11.100		X					
TOTAL				11.262							

Application Fee Provided: Total fees of \$43,235.00 have been submitted to the Central Valley Water Board as required by § 3833(b)(3)(A) and § 2200(a)(3) of the California Code of Regulations.

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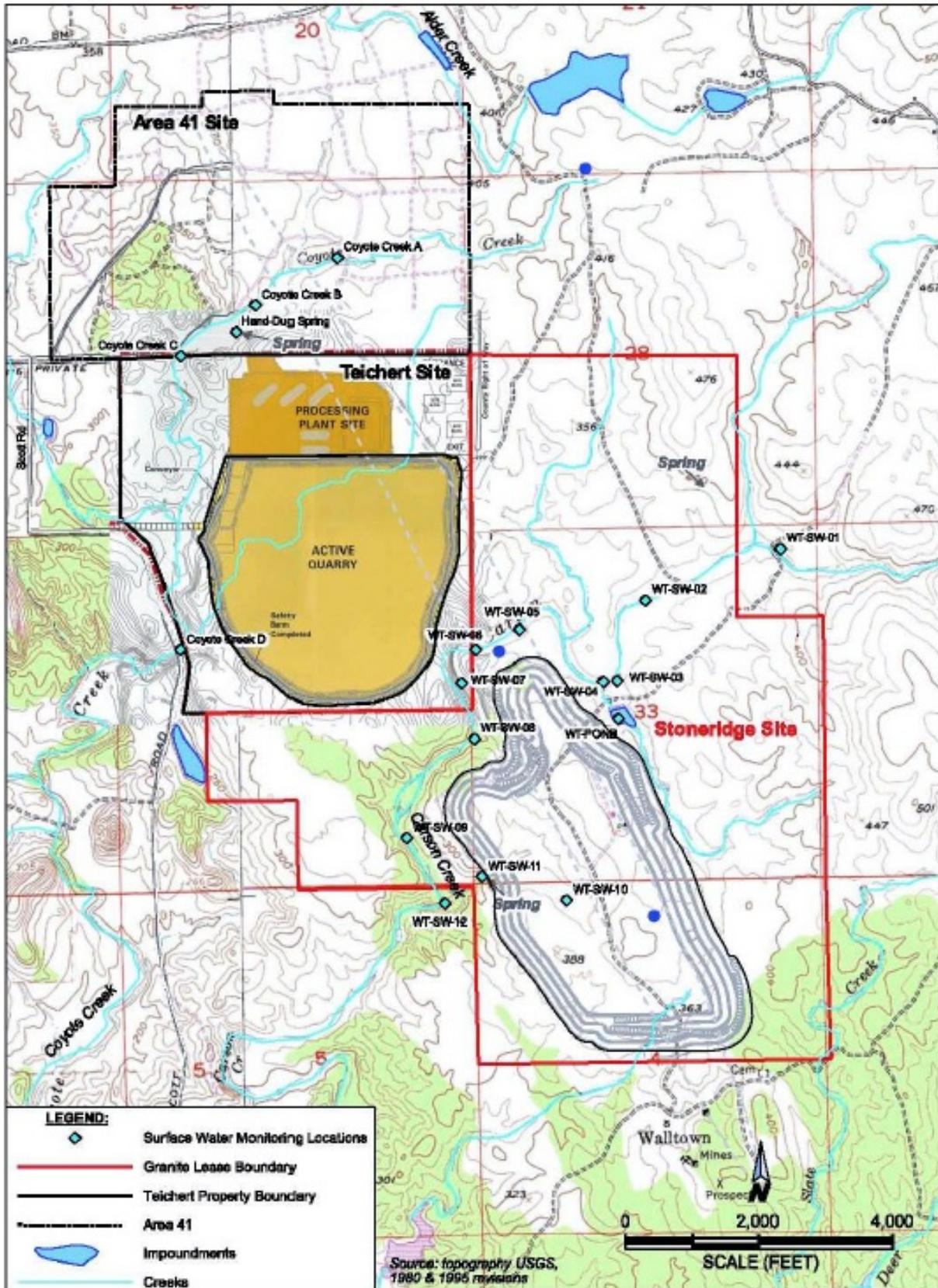


Figure 1 – Project Location Map

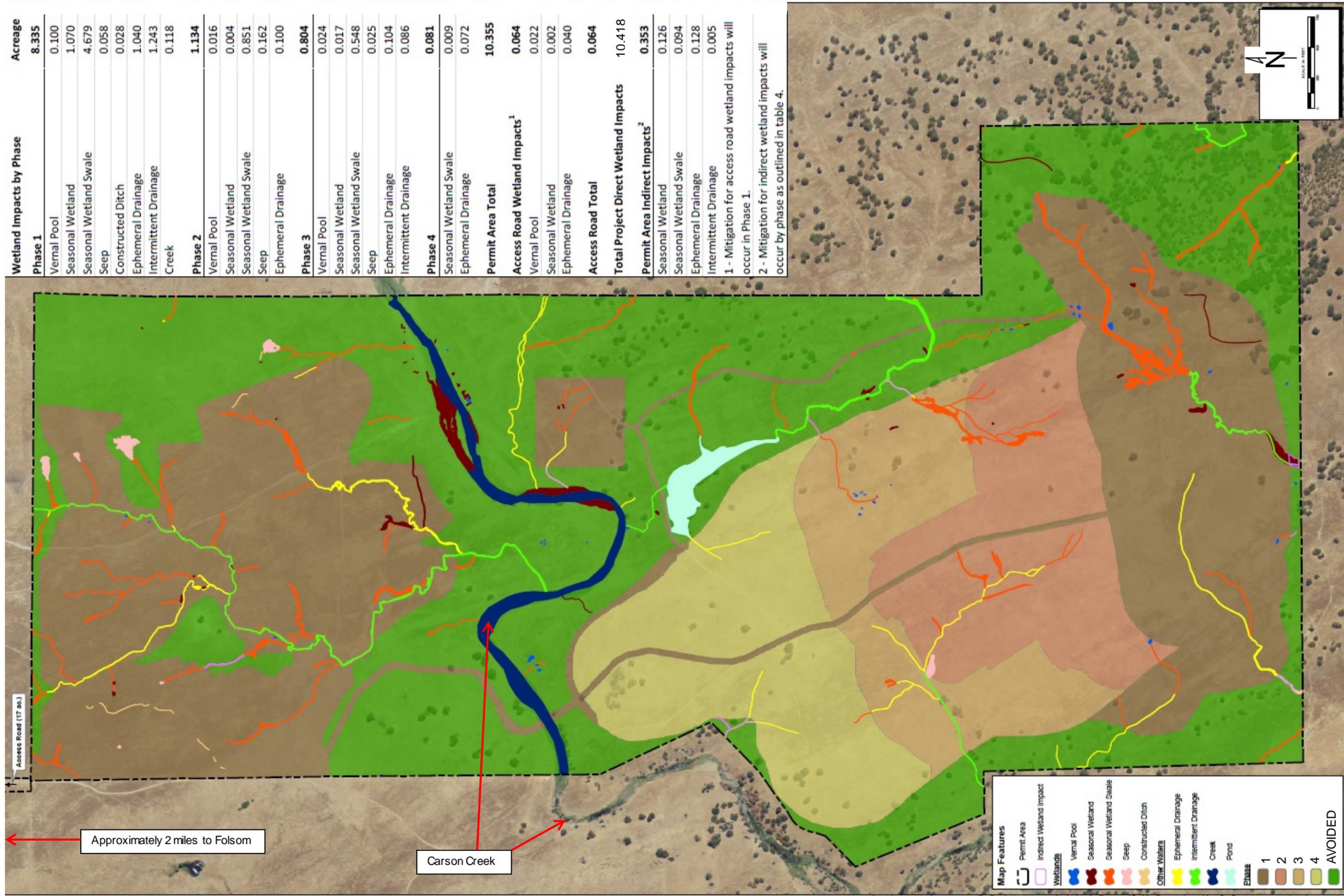


Figure 2 – Project Impacts Map