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## Central Valley Regional Water Quality Control Board

16 June 2016

Steven Anderson  
G3 Enterprises  
502 East Whitmore Avenue  
Modesto, CA 95358

CERTIFIED MAIL  
91 7199 9991 7035 8365 0630

***CLEAN WATER ACT §401 TECHNICALLY CONDITIONED WATER QUALITY  
CERTIFICATION; G3 ENTERPRISES, FRISK CREEK CROSSING, BYRON MINES  
PROJECT (WDID#5B07CR00177), CONTRA COSTA COUNTY***

This Order responds to the 18 December 2015 application submitted by G3 Enterprises (Applicant) for the Water Quality Certification of the Frisk Creek, Byron Mines Project (Project), permanently impacting 0.006 acre/20 linear feet and temporarily impacting 0.004 acre/15 linear feet of waters of the United States.

This Order serves as certification of the United States Army Corps of Engineers' Nationwide Permit #14 (SPK-2013-00268) 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 This Certification is no longer valid if the Project (as described) is modified, or coverage under § 404 of the Clean Water Act has expired.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 sampling:
- a) when performing any in-water work;
  - b) in the event that Project activities result in any materials reaching surface waters; or
  - c) 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 <sup>(1)</sup>	Every 4 hours during in-water work	(2, 4)
Settleable Material	mL/L	Grab <sup>(1)</sup>	Every 4 hours during in-water work	(2)
Visible construction related pollutants <sup>(3)</sup>	Observations	Visual Inspections	Continuous throughout the construction period	—
Temperature	°F (or as °C)	Grab <sup>(1)</sup>	Every 4 hours during in-water work	(2, 4)
pH	Standard Units	Grab <sup>(1)</sup>	Every 4 hours during in-water work	(2, 4)
Dissolved Oxygen (DO)	mg/L & % saturation	Grab <sup>(1)</sup>	Every 4 hours during in-water work	(2, 4)

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

<sup>(2)</sup> 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.

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

<sup>(4)</sup> 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 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 April 2016 (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, settleable matter, temperature, pH, and dissolved oxygen 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.
  - c) Activities shall not cause temperature in surface waters to increase more than 5°F above natural receiving water temperature for waters with designated COLD or WARM beneficial uses.
  - d) Activities shall not cause pH to be depressed below 6.5 nor raised above 8.5 in surface water.
  - e) Activities shall not cause dissolved oxygen to be reduced below 5.0 mg/L for waters designated with the WARM beneficial use, and 7.0 mg/L for waters designated with the COLD or SPWN beneficial uses, in surface water.
6. The Applicant shall notify the Central Valley Water Board immediately if the above criteria for turbidity, settleable matter, temperature, pH, dissolved oxygen, 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. Concrete must be completely cured before coming into contact with waters of the United States. Surface water that contacts wet concrete must be pumped out and disposed of at an appropriate off-site commercial facility, which is authorized to accept concrete wastes.
12. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the Project area.
13. All areas disturbed by Project activities shall be protected from washout and erosion.
14. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.
15. Hydroseeding shall be performed with California native seed mix.
16. All materials resulting from the Project shall be removed from the site and disposed of properly.
17. 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.
18. 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.

19. 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' Nationwide Permit #14, the United States Fish and Wildlife Service decision document(s), or the California Department of Fish and Wildlife Streambed Alteration Agreement.
20. The Applicant shall comply with all California Department of Fish and Wildlife requirements, including those requirements described in Lake or Streambed Alteration Agreement No. 1600-2014-0432-R3.
21. The Applicant shall comply with all United States Fish and Wildlife Service requirements, including those requirements described in the Biological Opinion (08ESMF00-2013-F-0423).
22. The Conditions in this Certification are based on the information in the attached "Project Information Sheet" and application package. If the actual project, as described in the attached Project Information Sheet and application package, is modified or changed, this Certification is no longer valid until amended by the Central Valley Water Board.
23. 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.
24. 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.

25. Prior to commencing construction, the Applicant shall provide evidence of all on and off-site compensatory mitigation to the Central Valley Water Board. Evidence of on-site mitigation shall be provided with the Notice of Completion. At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts. Evidence of mitigation includes, but is not limited to restoration of 0.01 acre / 38 linear feet of streambed through the creation of six on-site ponds with a total surface area of 0.41 acre, as required by the United States Fish and Wildlife Service.

#### **NOTIFICATIONS AND REPORTS:**

26. 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.
27. 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](mailto: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:**

Peter Minkel, Engineering Geologist  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive, Suite 200  
Rancho Cordova, CA 95670-8114  
[peter.minkel@waterboards.ca.gov](mailto:peter.minkel@waterboards.ca.gov)  
(916) 464-4684

**CALIFORNIA ENVIRONMENTAL QUALITY ACT:**

Contra Costa County is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Frisk Creek Crossing, Byron Mines Project pursuant to § 21000 et seq. of the Public Resources Code. Contra Costa County certified the Environmental Impact Report on 22 June 1992 (SCH 1991113070).

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 to minimize project impacts to State waters 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 G3 Enterprises, Frisk Creek Crossing, Byron Mines Project (WDID#5B07CR00177) 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, G3 Enterprises'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 April 2016.

*Original Signed By Adam Laputz for:*

Pamela C. Creedon  
Executive Officer

Enclosure: Project Information Sheet

Attachment: Figure 1 - Project Location Map  
Figure 2 – Site Map

cc: Distribution List, page 14

## PROJECT INFORMATION SHEET

**Application Date:** 18 December 2015

**Applicant:** Steven Anderson  
G3 Enterprises  
502 East Witmore Avenue  
Modesto, CA 95838

**Applicant Representative:** Malcolm Sproul  
LSA Associates  
157 Park Place  
Richmond, CA 94801

**Project Name:** Frisk Creek Crossing, Byron Mines Project

**Application Number:** WDID#5B07CR00177

**Date on Public Notice:** 24 December 2015

**Date Application Deemed Complete:** 21 January 2016

**Type of Project:** Transportation-Roads and Highways

**Approved Months of Project Implementation:**

The Project will be constructed 12 June through 15 October, or as otherwise directed by the Department of Fish and Wildlife.

**Project Location:** Section 16, Township 1S South, Range 3 East, MDB&M.  
Latitude: 37°51'06"N and Longitude: 121°38'05" W

**County:** Contra Costa County

**Receiving Water(s) (hydrologic unit):** Frisk Creek, drains into Discovery Bay, San Joaquin Hydrologic Basin, North Diablo Range Hydrologic Unit #543.00

**Water Body Type:** Stream bed

**Designated Beneficial Uses:** The *Water Quality Control Plan for the Sacramento River and San Joaquin River Basins*, Fourth Edition, revised April 2016 (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](http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/index.shtml).

**303(d) List of Water Quality Limited Segments:** Frisk Creek is the receiving water for the Frisk Creek Crossing, Byron Mines Project. Frisk Creek is not listed on the 303(d) list; therefore, this project will not impact an impaired water body. The most recent list of approved water quality limited segments is found at:  
[http://www.waterboards.ca.gov/water\\_issues/programs/tmdl/integrated2012.shtml](http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2012.shtml)

**Project Description;** The Frisk Creek Crossing, Byron Mines Project (Project) is located east of Vasco Road, 1.5 miles southeast of Camino Diablo Road (see Figure 1) in Contra Costa County. The Project consists of constructing a concrete crossing on an existing unpaved ranch road crossing Frisk Creek to allow periodic vehicle crossing during no flow conditions. The crossing will match the gradient of Frisk Creek to allow for uninterrupted flow. Frisk Creek is an intermittent stream (see Figure 2). A portion of the stream bed will be excavated, then backfilled with clean gravel. The crossing will be 20-feet wide and 55-feet long. Two high density polyethylene pipes will be installed beneath the crossing to protect an 18-inch diameter water pipeline and a 12-inch mined sand slurry pipeline from the Evo-East Pit (see Figure 3) that will be installed as part of the expansion of sand mining activities in 2017.

No dewatering will occur within the Project area. Wet concrete will be placed into Frisk Creek in dry conditions. The Project will permanently impact 0.006 acre/20 linear feet and temporarily impact 0.004 acre/15 linear feet of waters of the United States.

**Preliminary Water Quality Concerns:** Construction activities may impact surface waters with increased turbidity, settleable matter, temperature, pH, and dissolved oxygen.

**Proposed Mitigation to Address Concerns:** The Applicant will implement Best Management Practices to control sedimentation and erosion. This Certification requires all work to be conducted during periods of no flow. In the event that project activities result in any materials reaching surface waters or unanticipated in-water work occurs, the Applicant will conduct turbidity, settleable matter, temperature, pH, and dissolved oxygen testing. During this testing, the Applicant will stop work if Basin Plan criteria are exceeded or observations indicate an exceedance of a water quality objective.

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.

**Excavation/Fill Area:** Approximately 15.3 cubic yards of native soil will be excavated from 0.006 acre of dry stream bed (waters of the United States).

Approximately 15.3 cubic yards of clean gravel, concrete, and high density polyethylene pipes will be placed into 0.006 acre of waters of the United States.

**Dredge Volume:** None

**California Integrated Water Quality System Impact Data:** The Project will permanently impact 0.006 acre/20 linear feet of stream bed habitat and temporarily impact 0.004 acre/15 linear feet of stream bed habitat from excavation/fill activities.

**Table 1: Impacts from Excavation/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	0.004	15.3	15	0.006	15.3	20	--	--	--
<b>TOTAL</b>	0.004	15.3	15	0.006	15.3	20	--	--	--

**United States Army Corps of Engineers File Number:** SPK-2013-00268

**United States Army Corps of Engineers Permit Type:** Nationwide Permit #14

**California Department of Fish and Wildlife Lake or Streambed Alteration Agreement:**  
1600-2014-0423-R3

**Possible Listed Species:** California red-legged Frog, California tiger salamander, San Joaquin kit fox, Vernal pool fairy shrimp, Longhorn fairy shrimp, and Contra Costa goldfields.

**Status of CEQA Compliance:** Contra Costa County certified an Environmental Impact Report and Subsequent Environmental Impact Report on 22 June 1992.

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:** Prior to commencing construction, the Applicant shall provide evidence of all off-site compensatory mitigation to the Central Valley Water Board. Evidence of on-site mitigation will be provided with the Notice of Completion. At a minimum, compensatory mitigation must achieve a ratio of 1:1 for permanent impacts. Evidence of mitigation includes, but is not limited to, the restoration of 0.01 acre/38 linear feet of stream bed through the creation of six on-site ponds with a total surface area of 0.41 acre, as required by the United States Fish and Wildlife Service.

**Table 2: 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)						
Stream Channel	--	--	--	0.01	38	--	--	x	--	--	--
<b>TOTAL</b>	--	-	--	0.01	38	--	--	x	--	--	--

**Application Fee Provided:** Total fees of \$600.00 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.

## DISTRIBUTION LIST

William Guthrie (SPK-2013-00268)  
United States Army Corps of Engineers  
Sacramento District Headquarters  
1325 J Street, Room 1350  
Sacramento, CA 95814-2922

Stephanie Jentsch (Electronic Copy Only)  
United States Fish & Wildlife Service  
Stephanie.jentsch@fws.gov

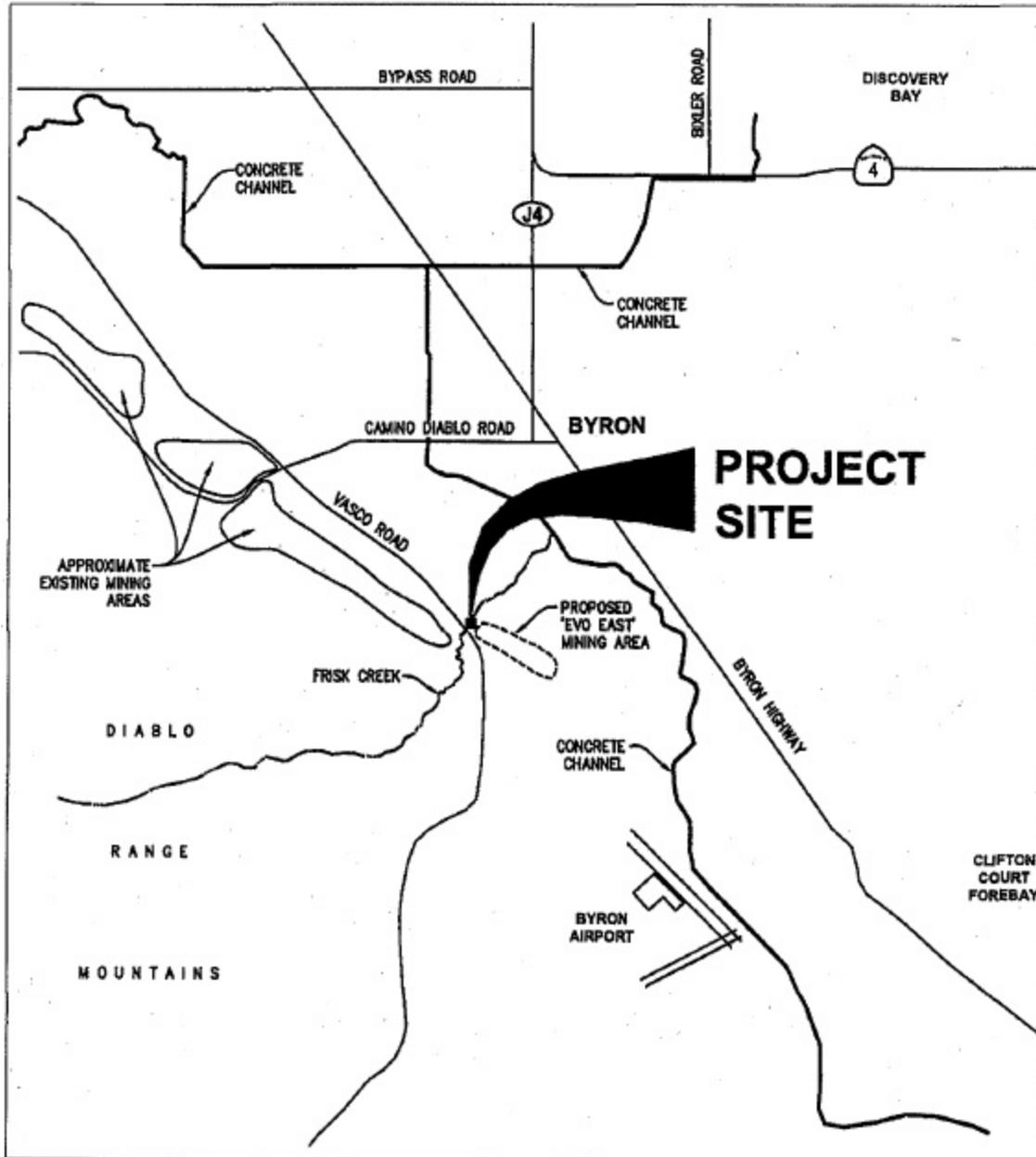
Annee Ferranti (Electronic Copy Only)  
Department of Fish and Wildlife  
Anee.ferranti@wildlife.ca.gov

Bill Jennings  
CA Sportfishing Protection Alliance  
3536 Rainier Avenue  
Stockton, CA 95204

Bill Orme (Electronic Copy Only)  
State Water Resources Control Board  
Stateboard401@waterboards.ca.gov

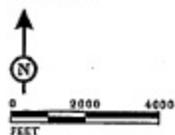
Jason A. Brush (Electronic Copy Only)  
United States Environmental Protection Agency  
R9-WTR8-Mailbox@epa.gov

Malcolm Sproul (Electronic Copy Only)  
LSA Associates, Inc.  
Malcolm.sproul@LSA-ASSOC.com



LSA

FIGURE 1



SOURCE: Cunningham Engineering (8/30/2012)

G3 Enterprises  
Mining Expansion  
Regional Location Map

Figure 1 – Location Map



L S A

LEGEND

 StudyArea\_poly

 Station

 Top of Bank (DFG)

 Interpolated

 Measured

 Ordinary High Water Mark

 Interpolated

 Measured



FIGURE 2

Figure 2 – Site Map

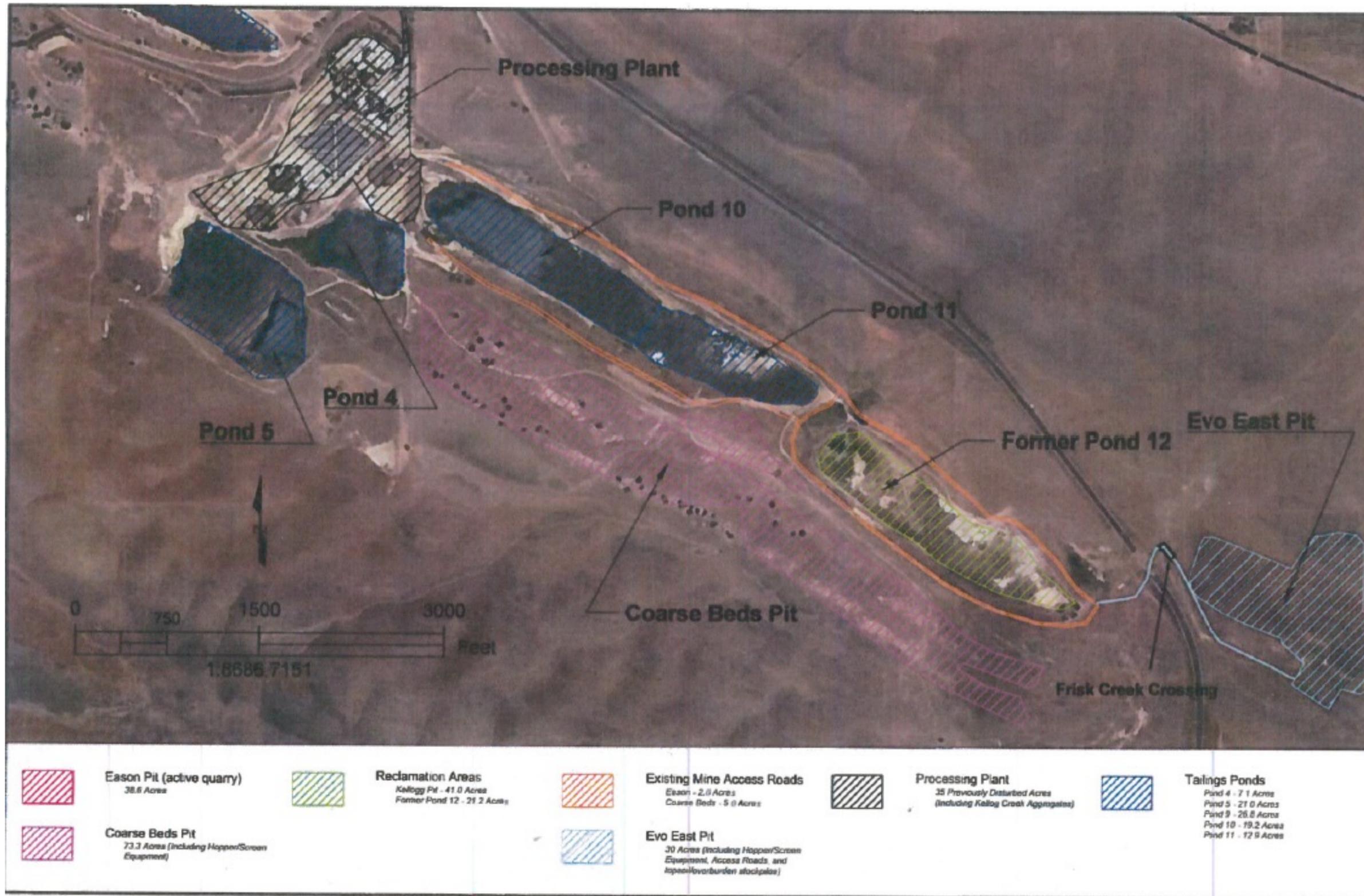


Figure 3 – Quarry Map