

**Granite Construction Company  
Esparto Mining and Reclamation Project  
Environmental Checklist Form  
(from CEQA Appendix G)**

1. Project title:  
Esparto Mining and Reclamation Project
  
2. Lead agency name and address:  
Yolo County Parks and Resources Dept.  
120 W. Main Street, Suite C  
Woodland, CA 95695
  
3. Contact person and phone number:  
Warren Westrup, Director 530-406-4882
  
4. Project location:  
West of County Road 87 approximately 1.5 miles north of the town of Esparto.
  
5. Project sponsor's name and address:  
Yasha Saber  
Granite Construction Company  
4001 Bradshaw Road  
Sacramento, CA 95827
  
6. General plan designation: Agriculture                      7. Zoning: AP (SGR) & A1 (SGR)
  
8. Description of project: (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)  
Please see Project Description.
  
9. Surrounding land uses and setting: Briefly describe the project's surroundings:  
Land uses in the surrounding area are predominantly aggregate mining and agriculture.
  
10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)  
Central Valley Regional Water Quality Control Board  
Department of Conservation – Office of Mine Reclamation  
Yolo-Solano Air Quality Management District

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:**

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- |                                                                   |                                                                        |                                                            |
|-------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------|
| <input checked="" type="checkbox"/> Aesthetics                    | <input checked="" type="checkbox"/> Agriculture Resources              | <input checked="" type="checkbox"/> Air Quality            |
| <input checked="" type="checkbox"/> Biological Resources          | <input checked="" type="checkbox"/> Cultural Resources                 | <input checked="" type="checkbox"/> Geology/Soils          |
| <input checked="" type="checkbox"/> Hazards & Hazardous Materials | <input checked="" type="checkbox"/> Hydrology/Water Quality            | <input checked="" type="checkbox"/> Land Use/Planning      |
| <input checked="" type="checkbox"/> Mineral Resources             | <input checked="" type="checkbox"/> Noise                              | <input checked="" type="checkbox"/> Population/Housing     |
| <input checked="" type="checkbox"/> Public Services               | <input checked="" type="checkbox"/> Recreation                         | <input checked="" type="checkbox"/> Transportation/Traffic |
| <input checked="" type="checkbox"/> Utilities/Service Systems     | <input checked="" type="checkbox"/> Mandatory Findings of Significance |                                                            |

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
For

## EVALUATION OF ENVIRONMENTAL IMPACTS:

- 1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
- 4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
  - a) Earlier Analysis Used. Identify and state where they are available for review.
  - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
- 9) The explanation of each issue should identify:
  - a) the significance criteria or threshold, if any, used to evaluate each question; and
  - b) the mitigation measure identified, if any, to reduce the impact to less than significance

**Issues:**

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>I. AESTHETICS</b> -- Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion of Impacts:**

- a) The Project site is not located within a scenic vista.
- b) The Project site is not located adjacent to a state scenic highway.
- c) Visual screens and landscape buffers have been incorporated into the Project design to minimize impacts to existing visual character or quality of the site and its surroundings.
- d) Occasional nighttime operations could introduce a new source of light and glare which could affect nighttime views in the area. However, directional lighting is proposed to minimize impacts to off-site receptors.

**Mitigation Measures:**

None required.

**II. AGRICULTURE RESOURCES:** In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion of Impacts:**

- a) Approximately 74 of the site’s 104 acres of prime agricultural land will be reclaimed to prime agricultural uses. An additional 38 acres of the site will be reclaimed to dry pasture.
- b) The project is consistent with the existing zoning for agricultural use and the existing Williamson Act Contract. The Project parcels are zoned AP (Sand and Gravel Reserve) and A1 (Sand and Gravel Reserve). Pursuant to the Yolo County Zoning Code, commercial surface mining operations are allowed in both the A-P and A-1 zones after the approval of a Special Sand and Gravel Combining Zone and with the approval of a Conditional Use Permit. These parcels were zoned with the Sand and Gravel Reserve combining zone in anticipation of future mining pending rezone to the Sand and Gravel combining zone.
- c) The Project will result in changes to the existing environment; however, these changes are not expected to result in the conversion of any off-site or adjacent farmland to non-agricultural uses.

**Mitigation Measures:**

None required.

**III. AIR QUALITY** -- Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:

a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion of Impacts:**

- a) The Project will not conflict with or obstruct implementation of an applicable air quality plan.
- b) The Project will not violate any air quality standard or contribute substantially to an existing or projected air quality violation.
- c) A permit will be obtained from the Yolo-Solano Air Quality Management District prior to operations. The operator will comply with the conditions of the permit.
- d) Sensitive receptors will not be exposed to substantial pollutant concentrations. A permit will be obtained from the Yolo-Solano Air Quality Management District with conditions designed to minimize exposure of receptors to pollutants which could create the potential for health risks.
- e) The Project will not create objectionable odors.

**Mitigation Measures:**

Permits obtained from the Yolo-Solano Air Quality Management District will include conditions to ensure the Project is consistent with the District’s air quality standards. No further mitigation is required.

**IV. BIOLOGICAL RESOURCES -- Would the project:**

- a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?				
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion of Impacts:**

- a-b) The Project has the potential to adversely effect protected species and their habitat. A Biological Assessment has been prepared and is included as part of this application package. The Biological Assessment includes a discussion of Project-specific impacts to species and their habitats, and provides mitigation measures that will reduce those impacts to a level that is less than significant.
- c) The Project will not impact wetlands. Please refer to the Jurisdictional Waters and Wetlands Delineation Report included as Appendix D to the Biological Assessment.
- d) Implementation of the Test 3 line will include construction of a stabilized bank on Cache Creek. These activities could interfere with the movement of a native resident or migratory fish or wildlife species and their corridors. These impacts are covered under permits issued by California Department of Fish and Game (CDFG), Corps of Engineers, and Regional Water Quality Control Board (RWQCB) pursuant to the Cache Creek Resource Management Plan (CCRMP).

	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
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- e) The Project will not conflict with any local policies or ordinances protecting biological resources.
- f) The Project will not conflict with any adopted habitat conservation plan.

**Mitigation Measures:**

- a-b) Please refer to the Biological Assessment for proposed mitigation measures. The incorporation of these measures will reduce Project impacts to a level that is less than significant.
- d) Prior to construction of the Test 3 line segment, a Flood Hazard Development Permit will be obtained from Yolo County to implement CDFG, Corps of Engineers, and RWQCB requirements. Construction of the Test 3 line segment will occur in accordance with the requirements of the Flood Hazard Development Permit.

**V. CULTURAL RESOURCES** -- Would the project:

- |                                                                                                                |                          |                                     |                          |                                     |
|----------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| a) Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5?    | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?        | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| d) Disturb any human remains, including those interred outside of formal cemeteries?                           | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Discussion of Impacts:**

- a-b) Please refer to Cultural Resources Inventory and Evaluation Report included as Appendix G of this application package.
- c) There are no known paleontological resources or site unique geological features on-site. However, pursuant to the Yolo County Surface Mining Ordinance, the Cultural Resources Inventory and Evaluation Report includes mitigation that would minimize impacts in the event resources or unique features are found.
- d) The Project is not expected to disturb any human remains.



Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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**Mitigation Measures:**

a-d) Mitigation measures are included in the Cultural Resources Inventory and Evaluated Report included as Appendix G of this application package.

**VI. GEOLOGY AND SOILS --** Would the project:

a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion of Impacts:**

a) The Project is not located in a Alquist-Priolo Earthquake Fault Zone. There is no other substantial evidence of an active fault onsite. Ground shaking could occur during a regional seismic event. However, seismic-related ground failures (including liquefaction), and landslides are not expected based on project design and the conclusions of the Slope Stability Study included in Appendix I of

	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
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this application package.

- b) Measures have been incorporated into the Project to minimize soil erosion and the loss of topsoil. This impact is therefore considered less than significant.
- c) The Project is located on a geologic unit that is expected to be stable. A Slope Stability Study is included as Appendix I of this application package.
- d) Wash fines introduced in settling ponds may be considered expansive soils. However, people or structures will not be exposed to these soils; therefore, there is no expectation of substantial risks to life or property.
- e) Soils are adequate to satisfy the objectives of the Project. Septic tanks are not proposed.

**Mitigation Measures:**

None required.

**VII. HAZARDS AND HAZARDOUS MATERIALS -- Would the project:**

- |                                                                                                                                                                                                                                                                  |                          |                          |                                     |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?                                                                                                                          | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?                                                                                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?                                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion of Impacts:**

- a-b) Hazardous materials to be used are primarily petroleum such as fuels and lubricating products that are commonly used without incident and applicable laws and regulations for transport, handling and disposal will be adhered to.
- c) The Project is not located within one-quarter mile of an existing or proposed school.
- d) The Project is not located on a site which is included on a list of hazardous materials sites.
- e-f) The Project is not located within an airport land use plan or within two miles of a public airport or public use airport, and is not located within the vicinity of a private airstrip.
- g) The Project would not impair the implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.
- h) The Project is not expected to increase the risk of wildland fires.

**Mitigation Measures:**

None required.

**VIII. HYDROLOGY AND WATER QUALITY --** Would the project:

a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?				
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion of Impacts:**

- a) The Project is not expected to violate any water quality standards or waste discharge requirements.
- b) A Hydrogeology Report of Findings is included as Appendix B to this application package. The Project is not expected to substantially deplete groundwater supplies or interfere substantially with groundwater recharge.
- c-d)The Project will modify existing on-site drainage patterns. However, these modifications are not expected to result in substantial erosion or siltation on- or off-site. The Project has been designed

	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
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with measures to reduce the likelihood of any erosion or siltation to occur. The Project would not substantially increase the rate or amount of surface runoff. Runoff from mined lands will be contained on-site.

- e) The Project is not expected to create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff.
- f) A Hydrogeology Report of Findings is included as Appendix B to this application package. The Project is not expected to substantially degrade water quality. All mine operations and reclamation work will be in conformance with applicable state and federal requirements for preventing releases of materials that could result in contamination, and for reporting and mitigating releases if they should occur.
- g) The Project will not place housing within a 100-year flood hazard area.
- h) The implementation of the Test 3 line includes construction of a stabilized bank on Cache Creek. A Flood Hazard Development Permit will be obtained from Yolo County prior to construction activities commencing. Because the implementation of the Test 3 line is considered a net benefit to the County and the condition of Cache Creek, this impact is considered less than significant.
- i) Levees will be constructed pursuant to design plans prepared by a registered engineer, and are designed to contain wash fine sediments. Therefore, this impact is considered less than significant.
- j) During a strong seismic event, a seiche could occur in open water mining areas or settling basins. However, inundation would not occur since water surfaces would be well below the surrounding ground elevation. No impact is expected.

**Mitigation Measures:**

None required.

**IX. LAND USE AND PLANNING** - Would the project:

- |                                                                                                                                                                                                                                                                                                     |                          |                          |                                     |                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Physically divide an established community?                                                                                                                                                                                                                                                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
effect?				
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion of Impacts:**

- a) The Project will not physically divide an established community.
- b) The Project will not conflict with any applicable land use plan, policy or regulation. The Project includes a request for rezone from AP(SGR) to AP(SG) and from A1(SGR) to A1(SG). With approval of a zoning change, this impact is considered less than significant.
- c) The Project will not conflict with any habitat or natural community conservation plan.

**Mitigation Measures:**

None required.

**X. MINERAL RESOURCES --** Would the project:

a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion of Impacts:**

a-b)The Project proposes the mining, processing and sale of mineral resources from a designated mineral resource zone to meet the construction material demands of the region. Therefore, the Project is consistent with the beneficial use of an important mineral resource, and this impact is considered less than significant.

**Mitigation Measures:**

None required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XI. NOISE</b> -- Would the project result in:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion of Impacts:**

- a) An Environmental Noise Analysis has been prepared and is included as Appendix F of this application package. Impacts are within the standards established by the Yolo County General Plan and noise ordinance.
- b) The Project will not expose persons to or generate excessive groundborne vibration or groundborne noise levels.
- c-d) Noise produced by the proposed aggregate plant would cause potentially significant increases in ambient hourly noise levels at the two nearest houses south of Cache Creek during the hours of plant operation. These changes would be considered noticeable. However, the resulting noise levels would be well below the Yolo County hourly noise standard of 60 dB Leq, and the cumulative standard of 60 dB CNEL. Therefore, the fact that the resulting cumulative noise levels are well within the range of acceptable noise exposures for noise sensitive uses indicates that these noise exposures would be less than significant. Please refer to the Environmental Noise Analysis.

	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
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e-f) The Project is not located within an airport land use plan, two miles of a public airport or public use airport, or the vicinity of a private airstrip.

**Mitigation Measures:**

c-d)The Environmental Noise Analysis includes a mitigation measure that will reduce the impact of increased ambient noise levels on nearby receptors.

**XII. POPULATION AND HOUSING --** Would the project:

a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion of Impacts:**

a) The Project would employ approximately 12-15 skilled workers. The small increase in local employment opportunities would not induce substantial population growth. Therefore, this impact is considered less than significant.

b-c)The Project will involve the removal of one on-site single-family residence.

**Mitigation Measures:**

None required.



Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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**XIII. PUBLIC SERVICES**

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Discussion of Impacts:**

a) Approval of the Project will not lead to a need for upgrades to or installation of new facilities for fire protection, police protection, schools, parks, or other public facilities. Therefore, this impact is considered less than significant.

**Mitigation Measures:**

None required.

**XIV. RECREATION**

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
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**Discussion of Impacts:**

- a) The Project will employ approximately 12-15 skilled workers. Thus, there is a potential negligible increase in the use of existing neighborhood and regional parks or other recreational facilities. However, these increases are not expected to accelerate or lead to substantial physical deterioration of these facilities. Therefore, this impact is considered less than significant.
- b) The Project does not propose the construction of new recreational facilities, nor are there any recreational facilities located on-site.

**Mitigation Measures:**

None required.

**XV. TRANSPORTATION/TRAFFIC -- Would the project:**

a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Result in inadequate parking capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	<b>Potentially Significant Impact</b>	<b>Less Than Significant with Mitigation Incorporated</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
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**Discussion of Impacts:**

- a) A Traffic Impact Study has been prepared and is attached as Appendix H of this application package.
- b) Please refer to the Traffic Impact Study (Appendix H).
- c) The Project would not result in any change in air traffic patterns.
- d) Please refer to the Traffic Impact Study (Appendix H).
- e-f) The Project would not result in inadequate emergency access or parking capacity.
- g) The Project will not conflict with adopted policies, plans, or programs supporting alternative transportation.

**Mitigation Measures:**

- a) Please refer to Appendix H, Traffic Impact Study.

**XVI. UTILITIES AND SERVICE SYSTEMS --** Would the project:

a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion of Impacts:**

- a) The Project will not exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board. All necessary permits will be obtained from the CVRWQCB prior to operations.
- b) New water or wastewater treatment facilities or expansion of existing facilities will not be required with approval of this Project.
- c) The Project will involve the construction of settling ponds and retention basins to handle agricultural tail-water, aggregate processing water, and stormwater. The construction of these ponds and basins is not expected to cause significant environmental effects.
- d) There is sufficient water available on-site to meet Project demands.
- e) The Project will not result in a significant need for wastewater treatment.
- f) Nearby landfills currently have sufficient capacity to handle regular refuse and garbage.
- g) The Project will manage solid waste in accordance with all relevant statutes and regulations.

**Mitigation Measures:**

None required.

**XVII. MANDATORY FINDINGS OF SIGNIFICANCE**

- a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?				
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Note:** Authority cited: Sections 21083 and 21087, Public Resources Code. Reference: Sections 21080(c), 21080.1, 21080.3, 21082.1, 21083, 21083.3, 21093, 21094, 21151, Public Resources Code; Sundstrom v. County of Mendocino, 202 Cal.App.3d 296 (1988); Leonoff v. Monterey Board of Supervisors, 222 Cal.App.3d 1337 (1990).