

4.13 PUBLIC SERVICES, UTILITIES, AND RECREATION

This section evaluates the potential environmental impacts related to public services, utilities, and recreation. The setting of this chapter includes a description of existing public services, utilities, recreational resources, and applicable planning policies. Public Services discussed in this section include fire protection, police services, and schools. Utilities discussed in this section include water, wastewater, solid waste, and energy generating facilities. Recreational resources addressed in this section include designated parks and trails (i.e. pedestrian paths and class I bicycle paths), golf courses, and open spaces where dispersed activities such as hiking and bird watching can take place.

IMPACTS EVALUATED IN OTHER SECTIONS

The following impacts are related to Public Services, Utilities, and Recreation but are evaluated in other sections in the EIR:

- Hazards associated with fires and disposal of hazardous materials are evaluated in Section 4.8, Hazards and Hazardous Materials.
- Impacts to emergency vehicle access during construction are evaluated in Section 4.14, Transportation.
- Noise and visual impacts on recreational resources are discussed in Section 4.12, Noise and Section 4.1, Aesthetics, respectively.
- Stormwater, drainage, and groundwater impacts are discussed in Section 4.9, Hydrology.

SETTING

Police Services

Police protection at the Quarry is provided by the Solano County Sheriff's Department. The Department provides a variety of law enforcement services and programs, including day-to-day patrol activities, criminal investigations, traffic enforcement, and other specialized operations in unincorporated Solano County. The closest Sheriff's Department is located at 321 Tuolumne Street in Vallejo. The Department does not report any specific areas within unincorporated portions of Solano County that have more reports of criminal activity than any other (Solano County 2008a).

Fire Protection

The Quarry is served by the East Vallejo Fire Department. The Department, in contract with the City of Vallejo, provides fire protection to unincorporated Southeast Vallejo. As of 2008, the Department consisted of six full-time employees. The closest fire station is approximately 1.8 miles away at 1008 Oakwood Avenue in Vallejo. The Department has a standard response time of 4 minutes or less and it is achieved 90% of the time. The Department does not report any service area issues (Solano County 2008a). The Quarry can also utilize on site surface water storage and strategically positioned fire extinguishers for fire suppression.

Schools

Seven schools districts are based in Solano County and two additional school districts lie partially within the Solano County limits. The schools in Solano County have adequate current capacity and facilities for the student population (Solano County 2008b). The closest schools are Jesse M. Bethel High School and St. Catherine of Sinea School, both approximately 1 mile northwest and west of the Quarry, respectively.

Water Distribution and Supply

The Solano County Water Agency (SCWA) provides water for municipal, industrial, and agricultural uses in Fairfield, Suisun City, Vacaville, Vallejo, Benicia, the Solano Irrigation District and Maine Prairie Water District service areas, UC Davis, and the California State Prison in Solano County. The SCWA delivers untreated water to these entities via the Solano Project (a project that includes Monticello Dam and Lake Berryessa) and the North Bay Aqueduct (a State Water Project facility) (Solano County 2008b). The SCWA has entered into contractual agreements with each of these entities for annual entitlements of water.

The Quarry is connected to the City of Vallejo water tank, located on the south side of the Quarry. However, the Quarry does not utilize this connection. The Quarry obtains non-potable water from three sources: Lake "A" located on the adjacent golf course property, surface water from the quarry pit, and surface water from the process and sediment control ponds. Drinking water is supplied by bottled water.

Wastewater Collection, Treatment, and Disposal

The majority of developments in unincorporated Solano County, those not served by municipal sewer or small-scale treatment systems, operate individual on-site wastewater treatment systems such as septic systems. More than 90% of the properties in unincorporated Solano County that are not served by city municipalities are served by such systems (Solano County 2008a). The Quarry utilizes an on-site septic system.

Solid Waste

Recology Vallejo provides solid waste and recycling services to the Quarry on an on-call basis throughout the year. The Quarry has an on-site 40-yard debris box for garbage and a 20-yard cardboard-only recycling box. Cardboard is serviced twice per year and delivered to Recology Vallejo's on-site recycling center where it is bundled for commodity market sales.

Garbage is transported to the Devlin Road Transfer Station in American Canyon where it is then transferred into long-hauls for delivery to Keller Canyon Landfill in Contra Costa County for environmentally safe land disposal. Keller Canyon Landfill, a Republic Services Company, is located at 901 Bailey Road, Pittsburg in unincorporated Contra Costa County. It can be identified by the California Department of Resources Recycling and Recovery's (CalRecycle) Solid Waste Identification System No. 07-AA-0032 and Contra Costa County Land Use Permit No. 2020-89. As of December 31, 2012, the remaining airspace volume is 58,671,590 cubic yards and projected capacity is 66 years at its maximum permitted disposal rate (Solano County 2013).

The State of California has mandated a 50 percent waste diversion rate that must be met by all counties. In 2011, Solano County had a waste diversion rate of 70 percent (CalRecycle 2012). This rate is expected to increase due to continued Solano County General Plan policies aimed at reducing waste (Solano County 2008a).

Energy Generation

In 2008, natural gas was the largest source of power in the State of California comprising 45.7% of the total power. Coal, nuclear, large hydro, and renewable followed at 18.2%, 14.5%, 11.0%, and 10.6% respectively (CEC 2009). Solano County is provided with a number of these energy sources with Pacific Gas and Electric (PG&E) supplying electricity throughout the County. Four natural gas small energy facilities also exist in Solano County to prevent energy blackouts and energy shutdowns. The County is one of five major resource areas identified in California for wind power. The County has the capacity to generate 165 Megawatts (MW) of wind power generation. Dams, hydroelectric facilities, and other renewable energy resources also are sources of power in the County. As of the years 2006-2007, Solano County annual electricity and natural gas usage was approximately 1,896,128,000 kilowatts (kW) and 88,061,000 therms respectively. Nonresidential electricity and natural gas usage accounted for approximately 63% and 59% respectively of the total usage (Solano County 2008a).

Solano County is the fastest population growing county in the nine county Bay Region. The amount of population growth experienced in the County will affect energy resources and availability. Energy demand

will increase as population increases and only fuel efficiency and conservation will curb usage from escalating beyond available supplies (Solano County 2008a). Under General Plan buildout, annual electricity and natural gas usage would increase by 117,317,000 kW and 25,592,000 therms respectively. Nonresidential electricity and natural gas usage would account for approximately 72% and 64% respectively of the total usage.

Energy usage (electricity and natural gas) is provided to the Quarry by PG&E. Between the years 2004-2008, the average annual electricity and natural gas usage from the Quarry was approximately 4,740,000 kilowatt-hours (kWh) and 957,300 therms respectively. Energy usage varies seasonally and based on market conditions (i.e. more demand for aggregate material, more energy use), but the average electricity and natural gas use equates to approximately 13,000 kWh and 2,600 therms per day respectively.

Parks and Recreation

Solano County has a park standard of 10 acres of parkland per 1,000 residents in the unincorporated portions of the County. The County currently exceeds their parkland ratio goal, but requires proposed residential development to pay its fair share to ensure the County maintains this standard at General Plan buildout (Solano County 2008a).

In 2008, Solano County maintained three regional parks. None of these regional parks are located in the Project vicinity. However, several open space areas, trails, city maintained parks, and planned recreational resource projects are within the Project vicinity. Activities in these areas include hiking, mountain biking, horseback riding, picnicking, bird watching, fishing, hunting, and boating. These recreational resources are described further below.

The Cities of Benicia, Fairfield, and Vallejo and Solano County collaborated on a 10,000-acre open space planning area known as the Tri-City and County Cooperative Planning Area for Agriculture and Open Space. The associated plan has been adopted as Chapter 11 in the Solano County General Plan. The southwestern boundary of the Planning Area is immediately adjacent to the northern boundary of the Project site. The portion of the Planning Area that borders the Project site is known as the Vallejo Swett Ranch (see Figure 4.13-1).

The Tri-City and County Cooperative Plan, identifies a proposed trail, referred to as the "Perimeter Loop Trail Corridor", which generally follows the perimeter of the Planning Area and connects to Lake Herman on the south and to Lynch Canyon on the north. The proposed trail corridor passes immediately adjacent to the Project site on the south side of Lake Herman Road. The trail is also identified in the Solano County Pedestrian Plan and the Solano County Bicycle Plan (refer to Figure 6.3 of the Solano County Bicycle Plan). However, in these plans, the trail is identified as a Class II bicycle path (i.e. striped shoulder in the existing Lake Herman Road right-of-way), with no plans to acquire additional right-of-way and construct an off-road Class I bicycle/pedestrian path (Pers. Comm., Karen Avery, Solano County Resource Management, 2010). In addition, the Solano County Pedestrian Plan also identifies a planned trail along Sky Valley Creek, adjacent to the bridge to be replaced as part of the Project. Both trails are planned to connect with the Bay Area Ridge Trail.

The Bay Area Ridge Trail is a vision sought after by the Ridge Trail Council, a 501(c)(3) nonprofit organization. The vision is to complete a continuous public trail on the ridgelines with views of the San Francisco Bay and surrounding areas. The Ridge Trail Council plans on connecting open spaces and parklands in the nine Bay Area counties on a 550-mile trail for hikers, equestrians, mountain bicyclists, trail runners, and outdoor enthusiasts of all ages, abilities, and incomes. As of 2010, approximately 320 miles of trail have been dedicated, with approximately 24 miles of the trail complete and approximately 26 miles more planned in Solano County (Bay Area Ridge Trail Council 2009). The Ridge Trail is supported by plans and policies in the Solano County General Plan and Tri-City and County Cooperative Plan (see Goals and Policies discussion below).

A portion of the 26 miles planned in Solano County for the Ridge Trail is to the west of the Quarry. The Ridge Trail has been constructed and dedicated within the Vallejo-Benicia Open Space Area to the south of the Quarry. In addition, the Ridge Trail exists along Columbus Parkway where it connects to Blue Rock Springs Park, north of the Quarry. The Ridge Trail Council has been working a number of years to connect both existing trails through property to the west of and adjacent to the Project site. An alignment

study has been conducted for this area which identified potential trail alignments. The preferred alignment has the Ridge Trail sited near the ridge of the adjacent property. The existing Ridge Trail is sited through the Vallejo residential community along Ascot Parkway to Columbus Parkway (see Figure 4.13-1) (Bay Area Ridge Trail Council 2009). A less location-specific route is also identified in the Solano County Pedestrian Plan to the west of the Project site.

In addition to the aforementioned recreational resources, a private landowner, the Greater Vallejo Recreation District, and the City of Benicia own and maintain nearby recreational resources. The Blue Rock Springs Golf Club is an existing privately owned, publicly available 36-hole golf course adjacent to the Quarry along its northwestern edge. The Greater Vallejo Recreation District oversees the park planning for the City of Vallejo. The Blue Rocks Springs Community Park is an existing, 26-acre park northwest of the Quarry owned by the District. The Golf Club separates the Community Park from the Quarry. Lake Herman Regional Park is an existing, 577-acre park approximately one mile southeast of the Quarry. The Regional Park is owned and maintained by the City of Benicia.

Goals and Policies of the Solano County General Plan and Tri-City and County Cooperative Plan

The following are the public services, recreation, and utilities policies and implementation plans from the Solano County General Plan that is applicable to the Project. In addition, the Tri-City and County Cooperative Plan identifies specific policies related to recreational uses. The applicable policies are also identified below.

Solano County General Plan

Overall Public Services

- PF.G-1 Provide adequate public services and facilities to accommodate the level of development planned by the County.**
- PF.G-3 Provide effective and responsive fire and police protection, and emergency response service.**
- PF.P-1 Provide public facilities and services essential for health, safety, and welfare in locations to serve local needs.
- PF.P-8 Notify the appropriate agencies (e.g., school districts, public safety, water) of new development applications within their service area early in the review process to allow sufficient time to assess impacts on facilities.

Fire and Police

- PF.P-39 Identify and require incorporation of fire protection and emergency response measures in the review and approval of new projects.
- PF.I-35 Coordinate with the fire districts and CAL FIRE during project review to ensure that all new development incorporates appropriate fire-safety techniques, including fire-safe building materials, early-warning systems, adequate clear spaces and fuel reduction, adequate escape routes and facilities, fire breaks, and sufficient water supply systems for fire suppression.
- PF.P-40 Provide an effective and responsive level of police protection (including facilities, personnel, and equipment) through the Solano County Office of the Sheriff and in coordination with city police departments.
- PF.P-41 In the review and approval of County and City projects, identify and consider the law enforcement needs generated by the project.
- PF.I-42 Coordinate with the sheriff to identify and consider the impact on law enforcement services during project review.

Schools

No applicable policies apply to this project.

Water Supply

No applicable policies apply to this project.

Solid Waste

- PF.P-26 Implement and participate in local and regional programs that encourage source reduction and recycling of solid and hazardous wastes in Solano County.
- PF.P-27 Require responsible waste management practices, including recycling and composting. Coordinate with service providers to compost green waste and encourage local farmers to use this.
- PF.I-29 Expand waste minimization efforts, including household recycling, food waste and green waste recycling, business paper recycling, and construction and demolition recycling. Require commercial and industrial recycling. Require building projects to recycle or reuse a minimum of 50 percent of unused or leftover building materials.

Energy Generation

- RS.G-5 Ensure availability of affordable energy supplies and require efficiency and conservation measures to minimize energy consumption.**
- RS.P-59 Encourage on-site renewable energy production and use of energy conservation measures.

Parks and Recreation

- RS.P-41 Provide trail links and an integrated trail system to connect people to accessible open spaces and to regional trail routes.
- RS.P-45 Support the completion of regional trails that link destinations within Solano County and beyond, including the San Francisco Bay Trail, the Bay Area Ridge Trail and Carquinez Trust Trail Plan.
- PR.G-1 Preserve and manage a diverse system of regional parks and natural resources for the enjoyment of present and future County residents and park visitors.**
- PR.P-7-B The County shall encourage development of linkages (such as riding, hiking and biking trails) between population centers and regional recreation facilities. Any trail system which links parklands cannot conflict with agriculture and other land uses.

Tri-City and County Cooperative Plan for Agriculture and Open Space Protection

- 2.1 Preservation Goal. Establish permanent open space between the Cities of Benicia, Fairfield, and Vallejo through the joint planning and management of a Cooperative Planning Area for Agriculture and Open Space ("Cooperative Planning Area") which furthers the mutual recreation, open space, habitat, managed resources production and agricultural resources protection policies of the members of the Group.**
- 2.24 Mineral Resources Extraction Objective. Recognize the potential for the managed production of mineral resources within the Cooperative Planning Area establishing reasonable limits on the extent of mineral extraction activity consistent with State law, and planning for recreational uses in a manner that limits the potential for conflict between such uses and mineral development activities.

- 3.1 Permanent Open Space Goal. Secure and protect permanent open space through the application of a variety of overlapping and reinforcing planning, regulatory, and financial measures.**
- 3.1.1 Permanent Open Space Use and Boundary Policy. The Cooperative Planning Area boundary shown on the Permanent Open Space Use and Boundary Policy Map (refer to Figure 3 in the Plan) designates the area to be preserved for permanent open space uses that conform to the policies of this Plan. Permanent open space uses include open space for the preservation of natural resources, the managed production of resources, outdoor recreation, and open space for public health and safety.
- 4.2.3 Regional Park Recreation and Trails Policy Map. The Concept Plan shown on the Regional Park Recreation and Trails Policy Map (refer to Figure 6 in the Plan) designates the park recreation areas and trail corridors provided by the policies and guidelines of this chapter.
- 4.2.4 Trail Recreation Facilities Development. A multi-use non-motorized trail system will be established within the Park connecting to other trail systems, parks and recreation areas outside the Cooperative Planning Area as designated in the Regional Park Recreation and Trails Policy Map and as provided for in detailed regional trail policies in Section 4.4.
- 4.2.7 Property Owner Rights Policy. Property owners' rights shall be respected during the process of recreation area acquisition or protection. Public access will be allowed only with consent of the property owner. Public recreation areas owned or operated by private parties are not inconsistent with this Plan.
- 4.4.1 Perimeter Loop Trail Corridor and Alternatives Guideline. A Perimeter Loop Trail Corridor designated on the Trail and Concept Plan Map, which generally follows the perimeter of the park and connects to Lake Herman on the south and to Lynch Canyon on the north, shall be established. Existing trails and other planned trails, such as the Bay Area Ridge Trail, shall be incorporated into the Perimeter Loop wherever possible. The route should provide a variety of terrain, habitat and viewing experiences for the trail user.
- 4.4.4 Bay Area Ridge Trail Guideline. The regional trail system should incorporate existing planned routes of the Bay Area Ridge Trail System.
- 4.4.7 Property Owner Rights Policy. Property owners' rights shall be respected during the process of defining trail alignments and acquiring trail rights-of-way. Public access will be allowed only with consent of the property owner.

EVALUATION CRITERIA WITH THRESHOLD OF SIGNIFICANCE

TABLE 4.13-1

Evaluation Criteria with Significance Threshold – Public Services, Recreation, and Utilities

Evaluation Criteria	As Measured by	Significance Threshold	Sources of Criteria
PS-1. Would the Project be served by a landfill with sufficient permitted capacity to accommodate the Project's solid waste disposal needs?	Amount of solid waste removal	Landfill(s) serving the Project would exceed permitted capacity by the end of new Use Permit (Year 2049)	CEQA Guidelines Appendix G, Checklist Item XVII (f); Solano County General Plan DEIR 2013 Annual Solid Waste Disposal Capacity Report
PS-2. Would the Project increase demand for energy generating facilities to such a degree that accepted service standards are not maintained?	Availability of electricity Availability of gas Availability of renewable resources	Need for energy generating facilities beyond capability of provider to supply	Solano County General Plan
PS-3. Would the Project conflict with any applicable recreational plan, policy, or regulation of an agency with jurisdiction over the Project (including, but not limited to the general plan, Tri-City and County Cooperative Plan, pedestrian plan, or bicycle plan)?	Acres of land in conflict	Greater than 0 acres of land	Solano County General Plan Tri-City and County Cooperative Plan Solano County Bicycle Plan Solano County Pedestrian Plan

METHODOLOGY

The following analysis addresses the potentially adverse impact on landfill capacity due to the disposal of the Project's waste. Overburden material and aggregate resources are assumed to be reused, stockpiled, and/or sold. The largest potential source of solid waste disposed of in a landfill would be materials used by staff from day to day office use. Hazardous material waste is evaluated in Section 4.8, Hazards and Hazardous Materials.

The analysis addresses the potentially adverse impacts on regional energy suppliers' ability to supply energy to the Project for operation of several on-site support facilities. Quantitative estimates are provided for existing (baseline years 2004-2008) and future anticipated energy use. The Solano County General Plan Environmental Impact Report was used to determine the availability of energy in the future as the basis for evaluation of impacts under evaluation criteria PS-2.

The Solano County General Plan and the Tri-City and County Cooperative Plan were used to determine existing and planned recreational resources, and to identify Plan policies that are used as the basis for evaluation of impacts under evaluation criteria PS-3. Environmental impacts, such as air quality or noise effects, that could indirectly result in deterioration in the quality of the recreational experience are addressed in Section 4.1 Aesthetics and Section 4.12 Noise, and are therefore not discussed in this section.

The Project would not increase the use of existing neighborhood and regional parks, other recreational resources, schools, or other government facilities such that substantial physical deterioration of the facilities would occur or be accelerated because the Project is a renewal of a use permit for quarrying that would not generate new residential or employee population who may use existing recreational facilities. The Project could bring minimal additional workers into the Project area. However, the minimal amount of workers would not physically deteriorate any of the aforementioned existing facilities or resources. In addition, the Project does not require the construction or expansion of these facilities or resources. Therefore, no impacts would occur to the deterioration of these facilities or resources. The impacts are not analyzed further.

The Project would continue to only use on-site water for non-potable water use and the delivery of bottled water for potable water use. The Project would continue to use an on-site septic system. No planned connections are proposed to connect to water or wastewater conveyance systems. Therefore, no impacts would occur to water or wastewater treatment facilities. The impacts are not analyzed further.

IMPACTS AND MITIGATION MEASURES

Impact: PS-1. Would the Project be served by a landfill with sufficient permitted capacity to accommodate the Project's solid waste disposal needs?

Analysis: *Less than Significant*

Project solid waste disposal at landfills would be minimal. The largest potential source of solid waste disposal at landfills would be materials used by staff from day to day office use and would not be expected to increase substantially over the current amount of solid waste produced at the site. The Quarry accepts recycled asphalt from construction projects which is crushed and reused by the Quarry in Recycled Asphalt Pavement (RAP) product. Although the amount of recycled pavement accepted by the Quarry is not expected to change under the Project, this is nonetheless considered a beneficial use of a product that would otherwise be a waste product.

Keller Canyon Landfill, the primary landfill used by the Quarry, has capacity that is expected to last for 66 years as of January 2013. Given the limited amount of additional Project solid waste to be sent to Keller Canyon Landfill and the expected life of the landfill exceeds the timeframe of the Quarry's proposed Use Permit, impacts to permitted capacity at landfills are considered less than significant.

Mitigation: No mitigation is necessary.

Impact: PS-2. Would the Project increase demand for electrical or gas facilities to such a degree that accepted service standards are not maintained?

Analysis: *Less than Significant*

Electrical and natural gas service would be provided via PG&E in the same manner as for the existing Quarry. As production and sales at the Quarry would remain the same, energy use is not expected to change substantially from baseline conditions with implementation of the Project. The applicant would continue to implement energy improvement strategies including, but not limited to, energy efficient motors, installing motor soft starts and variable frequency drives where appropriate, and participating in PG&E peak hour energy reduction programs. There could be a slight increase in the use of natural gas to accommodate the 1.9 percent increase in temperature at the oil storage tank heater. This impact is considered less than significant.

Mitigation: No mitigation is necessary.

Impact: PS-3. Would the Project conflict with any applicable recreational plan, policy, or regulation of an agency with jurisdiction over the Project (including, but not limited to the general plan, Tri-City and County Cooperative Plan, pedestrian plan, or bicycle plan)?

Analysis: *No Impact*

The Project would not conflict with applicable recreational plans, policies, and regulations of an agency with jurisdiction over the Project for the following reasons.

The Solano County General Plan contains goals, policies, and implementing programs that are relevant to recreational issues and are found in the Resources, Park and Recreation, and Tri-City and County Cooperative Plan Chapters (or Elements) of the General Plan. In addition, the Solano County Pedestrian Plan and the Solano County Bicycle Plan both identify projects that are relevant to this Project.

P&R Goal 1 of the Solano County General Plan, and 2.1, 3.1, and 3.1.1 of the Tri-City and County Cooperative Plan are related to Solano County's commitment to coordinate with regional agencies for the preservation of a regional park system. More specifically, the Co-op goals and policies establish permanent open space in the Tri-City and County Cooperative Planning Area while respecting property owner's rights. Co-op 3.1.1 states permanent open space uses include open space for the preservation of natural resources, the managed production of resources, outdoor recreation, and open space for public health and safety. The Quarry is not located within the Planning Area, but adjacent to the southwestern boundary of the Planning Area. The portion of the Project site that is immediately adjacent to the Planning area is the Area of No New Ground Disturbance, as identified on Figure 2-3. This portion of the Planning area is the Swett Ranch, as described in the Existing Conditions, which is protected under an open space easement through the Solano Land Trust. Activities within the Area of No New Ground Disturbance would remain the same for the Project as they are under the existing conditions. The Project would not conflict with the intent of the Tri-City Plan nor would it conflict with the open space land use to the north because the Project is outside of the Planning Area. Therefore, the Project does not conflict with these policies or preclude the continuing use of surrounding lands for recreational use.

Policies RS.P-41 and PR Pol. 7-B of the Solano County General Plan, and 4.2.3, 4.2.4, 4.2.7, and 4.4.1 of the Tri-City and County Cooperative Plan, and projects identified in the Solano County Pedestrian Plan and Solano County Bicycle Plan encourage integrated trail systems that connect people to accessible open spaces and regional trails while respecting property owner's rights. A specific regional trail that is identified at the Project site is the proposed Tri-City and County Perimeter Loop Trail Corridor. The trail corridor passes adjacent to the Project site on the southwest side of Lake Herman Road and through the Lake Herman Road improvements. The trail has been identified as a Class II bicycle path (Pers. Comm., Karen Avery, Solano County Resource Management, 2010). Expansion of the Quarry and implementation of the roadway improvements would not interfere with the bicycle path. Therefore, no impact would occur to the Perimeter Loop Trail Corridor.

Another planned pedestrian route identified in the Solano County Pedestrian Plan is located adjacent to Sky Valley Creek. As part of the Project, an existing bridge would be replaced over Sky Valley Creek. The replacement of the bridge would not conflict with the planned pedestrian route. Therefore, no impact would occur to this route.

Policies RS.P-41, RS.P-45, and PR Pol. 7-B in the Solano County General Plan, and 4.4.1, 4.4.4, and 4.4.7 in the Tri-City and County Cooperative Plan, and projects identified in the Solano County Pedestrian Plan support the completion of regional trails including the Bay Area Ridge Trail while respecting property owner's rights. An unfinished portion of the Ridge Trail is to the west of the Project site (shown in Figure 4.13-1). As the Ridge

Trail is outside of the Project site, the Project would not preclude the Bay Area Ridge Trail Council from implementing the path. Therefore, no impact would occur to the Bay Area Ridge Trail.

PR Obj. 4, PR Pol. 4-A, and PR Pol. 4-B address the need for ensuring that land use surrounding existing and potential County regional parks is compatible with park resources and public use. The Project site is not located near a County regional park. No conflict or impacts would occur to recreational land uses.

Mitigation: No mitigation is necessary.

CUMULATIVE IMPACTS

Impact: PS-C1: Will the Project's incremental effect on public services, utilities, or recreation be cumulatively considerable, based on evaluation criteria 1 through 3?

Analysis: *Less than Significant*

Section 15130(e) of the CEQA Guidelines provides that: "If a cumulative impact was adequately addressed in a prior EIR for a community plan, zoning action, or general plan, and the project is consistent with that plan or action, then an EIR for such a project should not further analyze that cumulative impact, as provided in section 15183(j)." Cumulative impacts on public services, utilities and recreation have been analyzed in the Solano County General Plan EIR. Because the Lake Herman Quarry Expansion is consistent with the County's General Plan, and because the General Plan EIR adequately evaluates impacts of the County's planned growth on public services, utilities, and recreation this cumulative analysis tiers from the General Plan EIR. The analysis of solid waste, electrical and natural gas, and parks and recreation impacts in the General Plan EIR are therefore incorporated by reference and pertinent summaries are provided below.

Solid Waste

As noted in the setting section Keller Canyon Landfill, currently used by the County for solid waste disposal, would not reach capacity prior to buildout of the General Plan (year 2030). The Keller Canyon Landfill has the capacity to handle additional solid waste beyond the life of the Project's Use Permit. The Project's incremental effect on solid waste facilities is not cumulatively considerable.

Electricity and Natural Gas

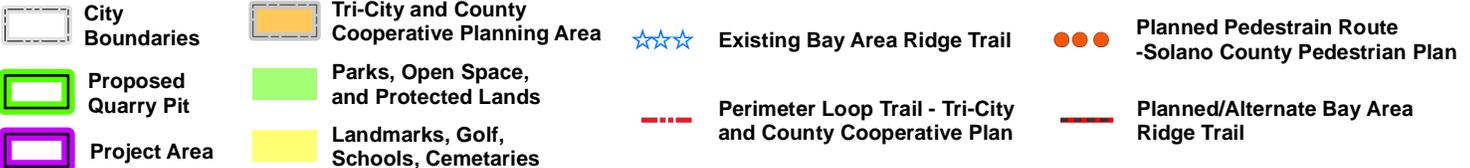
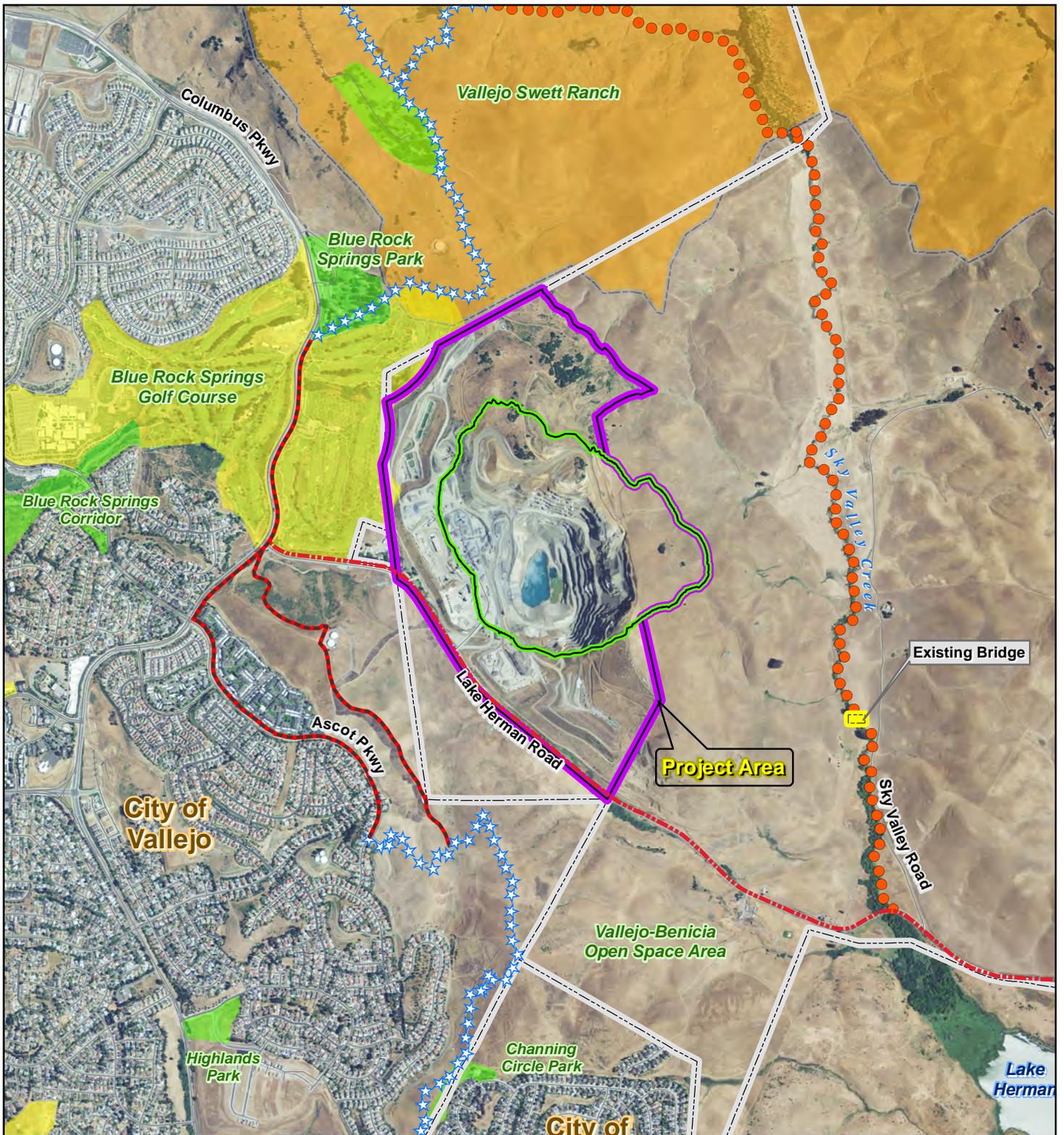
As indicated in Impact PS-2, the Project energy use would not increase substantially as production would not increase.

With the implementation of General Plan policies and existing federal, state, and local regulations and policies, the County anticipates sufficient energy supplies would be available to serve the future needs of the County (Solano County General Plan FEIR 2008). The Project's incremental effect on energy supplies is not cumulatively considerable.

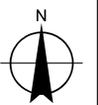
Parks and Recreation

No Project conflict or impacts would occur to recreational land uses; therefore the Project can not contribute to any cumulative impacts.

Mitigation: No mitigation is necessary.



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 Map Projection: Lambert Conformal Conic
 Horizontal Datum: North American 1983
 Grid: NAD 1983 StatePlane California II FIPS 0402 Feet



Solano County
 Lake Herman Quarry EIR

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 Revision | A
 Date | 17 Apr 2013

Recreational Resources
 in the Project Area

Figure 4.13-1

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