



## **2<sup>nd</sup> ADDENDUM TO NIPA PCL 50 – FOOTHILLS CORPORATE CENTER GRADING PLAN MITIGATED NEGATIVE DECLARATION (SCH #2012092002, ADOPTED OCTOBER 11, 2012)**

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<b>Project Title/File Number:</b>	NIPA PCL 25 – Rezone and General Plan Amendment; PL18-0371
<b>Project Location:</b>	8701 and 8901 Foothills Boulevard
<b>Project Description:</b>	The applicant requests a Rezone and General Plan Amendment for two (2) existing parcels consisting of 8.16 net acres to change the zoning and General Plan land use designation from Neighborhood Commercial to Light Industrial to be consistent with the surrounding parcels.
<b>Project Applicant:</b>	Greg Bardini, Morton & Pitalo, Inc.
<b>Property Owner:</b>	Brett Baumgarten, Clearview 8035 Foothills Blvd., LLC
<b>Lead Agency Contact:</b>	Kinarik Shallow, Assistant Planner; (916) 746-1309

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An Addendum to a previously certified and adopted negative declaration or environmental impact report may be prepared for a project if only minor technical changes or additions are necessary or none of the conditions calling for the preparation of a subsequent EIR or negative declaration have occurred (California Environmental Quality Act Guidelines [CEQA] Section 15164). Consistent with CEQA Guidelines Section 15164, the below analysis has been prepared in order to demonstrate that none of the conditions described in Section 15162 of the CEQA Guidelines calling for preparation of a subsequent EIR have occurred and that only minor technical changes or additions are necessary in order to deem the adopted negative declaration adequate to describe the impacts of the proposed project. CEQA Guidelines Section 15164 also states that an addendum need not be circulated for public review, but can be included in or attached to the adopted negative declaration for consideration by the hearing body. This Addendum focuses only on those aspects of the project or its impacts which require additional discussion.

## Table of Contents

<b>Project Description</b>	<b>3</b>
<b>Purpose and Scope of Addendum</b>	<b>5</b>
<b>Initial Study Checklist</b>	
I. Aesthetics	7
II. Agricultural & Forestry Resources	8
III. Air Quality	9
IV. Biological Resources	10
V. Cultural Resources	12
VI. Geology and Soils	13
VII. Greenhouse Gases	14
VIII. Hazards and Hazardous Materials	15
IX. Hydrology and Water Quality	17
X. Land Use and Planning	19
XI. Mineral Resources	20
XII. Noise	20
XIII. Population and Housing	22
XIV. Public Services	23
XV. Recreation	24
XVI. Transportation / Traffic	25
XVII. Tribal Cultural Resources	26
XVIII. Utilities and Service Systems	28
XIX. Mandatory Findings of Significance	29
<b>Environmental Determination</b>	<b>31</b>
<b>Attachments</b>	<b>31</b>

## PROJECT DESCRIPTION

### Project Location

The 8.92±-acre project site consists of two vacant parcels located at 8701 and 8901 Foothills Boulevard, on the east side of Foothills Boulevard and near the southeast corner of Blue Oaks Boulevard and Foothills Boulevard (see Figure 1). The subject property is located on Parcel 25 of the North Industrial Planning Area (NIPA) and has a zoning designation and General Plan land use designation of Neighborhood Commercial (NC). The zoning and land use designations of the surrounding properties are shown in Table 1 below.

**Figure 1: Project Location**



**Table 1: Adjacent Zoning and Land Use**

Location	Zoning	General Plan Land Use	Actual Use of Property
<b>Site</b>	Neighborhood Commercial (NC)	NC	Undeveloped
<b>North</b>	Light Industrial (M1)	Light Industrial (LI)	Office
<b>South</b>	M1	LI	Self-Storage
<b>East</b>	M1	LI	Undeveloped
<b>West</b>	Light Industrial/Special Area (M1/SA)	LI	Industrial Facility

### Background

The project site is located within the North Industrial Planning Area (NIPA) of the City of Roseville. The North Industrial area is not subject to a specific plan, but is a recognized planning subarea of the City that was approved in 1995. It includes Design Guidelines, a land use table, and a land use map. The North Industrial area is

intended primarily for industrial uses and employment centers, and consists of approximately 2,046 gross acres west of Washington Boulevard and north of the Northwest Roseville Specific Plan. The subject parcels originally had a zoning designation of Planned Development for Light Industrial and a land use designation of Light Industrial. City Council approved a Rezone and General Plan Amendment for the parcels in 1992 to change the zoning and land use to the current NC designation.

The subject parcels were part of a large lot subdivision map approved in 1992 (File #SUBD 91-11) intended to create a 14-lot business park (Lantech Business Center), followed by an extension and modification to the subdivision map in 1998 (File #SUBDEXT 91-11A and #SUBDMOD 91-11B); however, this map was never recorded. In 2013, a four-lot parcel map was approved (File #2013PL-029) and ultimately recorded, and it was this map which created the parcels on which the project is now proposed. The map included an Irrevocable Offer of Dedication for the extension of the future Roseville Parkway along the southern boundary of the project site, and the dedication of a 58-foot-wide right-of-way for the extension of Niblick Drive along the eastern project boundary (connecting to the rear of the existing FedEx property to the south).

On October 11, 2012, a Major Grading Plan (File #2012PL-064) was approved which covered mass grading activities on all of the undeveloped property between Foothills Boulevard to the west, the train tracks to the east, the Niblick Drive stub to the north, and a point even with the southern Hewlett Packard driveway. The NIPA PCL 50—Foothills Corporate Center Grading Plan Mitigated Negative Declaration (SCH # 2012092002, certified October 11, 2012) covered the impacts of grading of the project site and the surrounding properties (Attachment 1). The properties to the south have already been graded and developed consistent with the approved Grading Plan.

On August 20, 2015, a Design Review Permit (File #PL15-0058) was approved to allow the construction of the Roseville Self-Storage facility located to the south. As part of that project, an Addendum to the MND was prepared (Attachment 2). This project involved grading of the site, the construction of four self-storage buildings totaling approximately 106,000 square feet, the construction of a caretaker's residence and office of approximately 4,000 square feet, construction of frontage improvements, and the construction of a small portion of Niblick Drive on the eastern side of the site. Additionally, a portion of the Roseville Parkway extension was constructed between Foothills Boulevard and Niblick Drive to allow access to the site.

### **Environmental Setting**

The project site is undeveloped and the topography is uneven and rolling. The site is dominated by non-native grasses; there are no trees on the site. The two parcels front onto Foothills Boulevard, which is a four-lane arterial roadway, and are surrounded by urban development to the north, west, and south, and an undeveloped M1 parcel to the east. A wetland delineation prepared for the MND concluded wetlands were present on the subject parcels and some of the surrounding properties. As previously mentioned, these features were approved to be filled through a Major Grading Plan that was approved by the Planning Commission on October 11, 2012. The future Roseville Parkway extension has not been completed, but a segment of the roadway between Foothills Boulevard and Niblick Drive is constructed and complete with intersection improvements.

### **Proposed Project**

The proposed project includes rezoning two parcels from NC to M1 and amending the General Plan land use designation from NC to LI. This would allow the property to be developed with light industrial use types. No grading or buildings are proposed at this time. Approval of the project would require text and map changes to the City's General Plan and NIPA land use tables and map.



## **PURPOSE AND SCOPE OF ADDENDUM**

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As discussed in the Background section, a Mitigated Negative Declaration (MND) for the NIPA PCL 50—Foothills Corporate Center Grading Plan was adopted on October 11, 2012. The MND covered grading activities on the project site and the surrounding properties. The MND, supporting Initial Study, and related attachments are included as Attachment 1 of this Addendum. The adopted MND analyzed impacts related to aesthetics, agricultural and forestry resources, air quality and greenhouse gases, biological resources, cultural resources, geology and soils, hazards and hazardous materials, hydrology and water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, transportation/traffic, and utilities and service systems. The proposed project does not involve grading activities nor does it involve construction. The majority of impacts caused by a project occur due to the grading and construction work which disturbs the site, and thus the MND adequately covers the impacts of the proposed project.

The analyses below rely on the MND analysis with minor supplements or technical updates where appropriate. Most of the project impacts remain identical to the impacts of the MND because the proposed project only changes the allowable use types on the property, and does not change the grading assumptions for the site. Impacts to physical resources (such as agricultural land, biological resources, etc.) are based on the grading and development of an area, not on the proposed use types on the property. For other types of impacts which are affected by use type, the project reduces or maintains the same level of potential impacts.

## **ENVIRONMENTAL CHECKLIST FOR ADDENDUM ENVIRONMENTAL REVIEW**

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The purpose of this checklist is to evaluate the categories in terms of any “changed condition” (i.e. changed circumstances, project changes, or new information of substantial importance) that may result in a changed environmental result. A “no” answer does not necessarily mean there are no potential impacts relative to the environmental category, but that there is no change in the condition or status of the impact since it was analyzed and addressed in prior environmental documents.

### **EXPLANATION OF CHECKLIST EVALUATION CATEGORIES**

#### **Where Impact was Analyzed**

This column provides a cross-reference to the pages of the prior environmental documents where information and analysis may be found relative to the environmental issue listed under each topic.

#### **Do Proposed Changes Involve New Significant Impacts?**

Pursuant to Section 15162(a)(1) of the CEQA Guidelines, this column indicates whether the changes represented by the current project will result in new significant impacts that have not already been considered and mitigated by the prior environmental review documents and related approvals, or will result in a substantial increase in the severity of a previously identified impact.

#### **Any new Circumstances Involving New Impacts?**

Pursuant to Section 15162(a)(2) of the CEQA Guidelines, this column indicates whether there have been changes to the project site or the vicinity (circumstances under which the project is undertaken) which have occurred subsequent to the certification or adoption of prior environmental documents, which would result in the current project having new significant environmental impacts that were not considered in the prior environmental documents or that substantially increase the severity of a previously identified impact.

#### **Any new Information Requiring New Analysis or Verification?**

Pursuant to Section 15162(a)(3)(A–D) of the CEQA Guidelines, this column indicates whether new information of substantial importance which was not known and could not have been known with the exercise of reasonable diligence at the time the previous environmental documents were certified or adopted is available requiring an update to the analysis of the previous environmental documents to verify that the environmental conclusions and mitigation measures remain valid. Either “yes” or “no” will be answered to indicate whether there is new

information showing that: (A) the project will have one or more significant effects not discussed in the prior environmental documents; (B) that significant effects previously examined will be substantially more severe than shown in the prior environmental documents; (C) that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or (D) that mitigation measures or alternatives which are considerably different from those analyzed in the prior environmental documents would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative. If “no,” then no additional environmental documentation (supplemental or subsequent EIR) is required.

### **Mitigation Measures Implemented or Addressing Impacts**

Pursuant to Section 15162(a)(3) of the CEQA Guidelines, this column indicates whether the prior environmental documents provide mitigation measures to address effects in the related impact category. In some cases, the mitigation measures have already been implemented. A “yes” response will be provided in any instance where mitigation was included, regardless of whether the mitigation has been completed at this time. If “none” is indicated, this environmental analysis concludes a significant impact does not occur with this project, no mitigation was previously included, and no mitigation is needed.

## **DISCUSSION AND MITIGATION SECTIONS**

### **Discussion**

A discussion of the elements of the checklist is provided under each environmental category in order to clarify the answers. The discussion provides information about the particular environmental issue, how the project relates to the issue and the status of any mitigation that may be required or has already been implemented.

### **Mitigation Measures**

Applicable mitigation measures from the prior environmental review that apply to the project are listed under each environmental category.

### **Conclusions**

A discussion of the conclusion relating to the analysis contained in each section.

## CHECKLIST

### I. Aesthetics

	Where Impact Was Analyzed in Prior Environmental Documents	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a. Have a substantial adverse effect on a scenic vista?	Page 6	No	No	No	None
b. Substantially damage scenic resources, including but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	Same	No	No	No	None
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	Same	No	No	No	None
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	Same	No	No	No	None
<b>Discussion:</b> The project site does not abut and is not visible from any designated scenic vista or scenic highway. The MND analyzed the impacts of grading of the project site and considered them to be less than significant. This conclusion remains appropriate for the proposed project as it only involves a land use and zone change and does not include any aesthetic disruption such as grading. In the event of future construction on the site, the Findings of Fact for the CEQA Implementing Procedures indicate that compliance with the Zoning Ordinance, Subdivision Ordinance, Community Design Guidelines, and applicable Specific Plan Policies and/or Specific Plan Design Guidelines will prevent significant impacts related to construction of buildings in urban settings.					

**II. Agricultural & Forestry Resources**

	Where Impact Was Analyzed in Prior Environmental Documents	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
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?	Page 7	No	No	No	None
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	Same	No	No	No	None
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	Same	No	No	No	None
d) Result in the loss of forest land or conversion of forest land to non-forest use?	Same	No	No	No	None
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	Same	No	No	No	None
<b>Discussion:</b> The MND concluded there were no resources to be affected by grading and conversion of the site to urban uses. The project site is not used for agricultural purposes, does not include agricultural zoning, is not within or adjacent to one of the areas of the City designated as a protected farmland category on the Placer County Important Farmland map, is not within or adjacent to land within a Williamson Act Contract, and is not considered forest land. Based on this, the proposed project will have no impact on agricultural resources.					

## III. Air Quality

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Conflict with or obstruct implementation of the applicable air quality plan?	Page 9	No	No	No	None
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	Same	No	No	No	None
c) Result in a cumulatively considerable net increase of any criteria 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)?	Same	No	No	No	None
d) Expose sensitive receptors to substantial pollutant concentrations?	Same	No	No	No	None
e) Create objectionable odors affecting a substantial number of people?	Same	No	No	No	None
<p><b>Discussion:</b> The MND concluded that standard dust control and other construction measures would be sufficient to avoid construction impacts, and that Citywide measures for the control of greenhouse gases were likewise sufficient for both construction and operation of allowed uses on the site. The MND further found that there are no substantial odor-producers in the vicinity, and the probable uses on the site would not produce substantial odors. This conclusion remains appropriate for this project. An operational-level analysis of primary pollutants other than greenhouse gases was not performed, but is not necessary for the proposed project as the use of the property is not known at this time. Thus, impacts are less than significant.</p>					

**IV. Biological Resources**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as 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?	Page 17	No	No	No	MM2
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	Same	No	No	No	None
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?	Same	No	No	No	MM1
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?	Same	No	No	No	None
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	Same	No	No	No	None



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?	Same	No	No	No	None
<b>Discussion:</b> The MND included a Wetland Delineation and Special Status Species Assessment, as well as a Biological Opinion. It was determined that wetlands were present, and the US Fish and Wildlife Services determined the grading plan included the potential to affect listed vernal pool crustaceans. As a result, mitigation measures were added to ensure impacts would be less than significant. These measures consisted of wetland compensation (MM1) and special status species surveys/mitigation (MM2). Subsequent to approval of the grading plan, Section 404 and Section 401 permits were issued that permitted fill of the wetlands. There is no grading or construction involved with the proposed project; thus, the mitigation measures do not apply. The project will have no new impact on biological resources.					

**V. Cultural, Archeological, or Paleontological Resources**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Cause a substantial adverse change in the significance of an historic resource as defined in Section 15064.5?	Page 18	No	No	No	MM3
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	Same	No	No	No	MM3
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	Same	No	No	No	MM3
d) Disturb any human remains, including those interred outside of dedicated cemeteries?	Same	No	No	No	MM3
<p><b>Discussion:</b> The MND discussed the potential for subsurface remains or deposits to be found on the site, and included a mitigation measure requiring a cessation of work should any item of cultural interest be found. The mitigation was found to render potential impacts less than significant. This conclusion remains appropriate for this project.</p> <p><b>Mitigation Measures:</b> MM3—In the event of the discovery of buried paleontological, archaeological, or historic deposits, project activities in the vicinity of the find shall be temporarily halted and a qualified archaeologist consulted to assess the resource and provide proper management recommendations. Possible management recommendations for important resources could include resource avoidance or data recovery excavations. If human remains are found, the Placer County Coroner's Office shall be contacted immediately. The Coroner shall contact the Native American Heritage Commission, which shall notify the appropriate descendant.</p>					

**VI. Geology and Soils**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:	Page 19	No	No	No	None
i) Ruptures 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.)	Same	No	No	No	None
ii) Strong seismic ground shaking?	Same	No	No	No	None
iii) Seismic-related ground failure, including liquefaction?	Same	No	No	No	None
iv) Landslides?	Same	No	No	No	None
b) Result in substantial soil erosion or the loss of topsoil?	Same	No	No	No	None
c) Be located in a geological 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?	Same	No	No	No	None
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?	Same	No	No	No	None

e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	Same	No	No	No	None
<p><b>Discussion:</b> The project site is located in Roseville, Placer County. The California Department of Mines and Geology classifies the South Placer area as a low severity earthquake zone. Therefore, the project will not expose people or structures to potential substantial adverse effects involving seismic shaking, ground failure or landslides.</p> <p>The MND concluded that compliance with existing regulations and permit requirements would be sufficient to avoid impacts of grading with respect to soils. Thus, impacts associated with disruption, displacement, and compaction of soils associated with the development was considered to be less than significant. The proposed project does not involve grading and would not result in additional impacts.</p> <p>A review of the Natural Resources Conservation Service Soil Survey for Placer County, accessed via the Web Soil Survey (<a href="http://websoilsurvey.nrcs.usda.gov/app/">http://websoilsurvey.nrcs.usda.gov/app/</a>), indicates that the soil on the site is Cometa-Fiddymet complex, 1 to 5 percent slopes, which is not listed as geologically unstable or sensitive. No septic tanks are proposed as part of this project.</p>					

## VII. Greenhouse Gases

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	Not applicable.	No	No	No	None
b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	Not applicable.	No	No	No	None
<p><b>Discussion:</b> The General Plan includes policies which require greenhouse gas (GHG) emissions reduction. A list of City initiated measures to reduce GHG's are included in the City of Roseville Utility Operations. The MND concluded that the Citywide measures for the control of GHGs</p>					

were likewise sufficient for both construction and operation of allowed uses on the site; impacts were considered to be less than significant. The proposed project does not result in any new impacts related to this criteria.

### VIII. Hazards and Hazardous Materials

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	Page 21	No	No	No	None
b) Create a significant hazard to the public or the environment though reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	Same	No	No	No	None
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	Same	No	No	No	None
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?	Same	No	No	No	None
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?	Same	No	No	No	None

f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing in the project area?	Same	No	No	No	None
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	Same	No	No	No	None
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?	Same	No	No	No	None

**Discussion:** The MND concluded that existing regulations and permits would prevent significant impacts as it relates to construction activities on the site, but did not discuss operations because the impact is highly dependent on the specific type of use. Per the General Plan, the light industrial land use is applied to lands reserved for office, industrial, and research and development uses that generate very limited noise, vibration, odor, dust, smoke, light, or other pollutants. The use of the project site is not known at this time, though future projects proposed on the site would be subject to environmental review per CEQA. As such, the proposed Rezone and GPA of the property would not result in significant impacts related to this topic.

The project is not located on a state-listed hazardous site and is not within the boundaries of an airport land use plan or in the vicinity of a private airstrip. The site is located within an area currently receiving City emergency services and it will not increase the demand for emergency services; thus, the project will have a less than significant impact to the City's Emergency Response or Management Plans. The project site is in an urban area and would not expose people to any risk from wildland fire. The project does not result in any changes to the scope or scale of impacts, and the prior conclusions remain appropriate.



**IX. Hydrology and Water Quality**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Violate any water quality standards or waste discharge requirements?	Page 23	No	No	No	None
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there 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)?	Same	No	No	No	None
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?	Same	No	No	No	None
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?	Same	No	No	No	None
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 water?	Same	No	No	No	None
f) Otherwise substantially degrade water quality?	Same	No	No	No	None

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?	Same	No	No	No	None
h) Place within a 100-year flood hazard area structures, which would impede or redirect flood flows?	Same	No	No	No	None
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?	Same	No	No	No	None
j) Inundation by seiche, tsunami, or mudflow?	Same	No	No	No	None
<b>Discussion:</b> The MND indicated that there would be no impact with respect to flooding, and that existing regulations and permits would ensure that water quality and stormwater impacts would be less than significant. This conclusion remains appropriate for this project.					

**X. Land Use and Planning**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Physically divide an established community?	Page 24	No	No	No	None
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 effect?	Same	No	No	No	None
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	Same	No	No	No	None
<p><b>Discussion:</b> The proposed project will not physically divide an established community. The project will convert approximately 8.16 acres of land designated for neighborhood commercial uses to light industrial uses. The proposed land use and zone is consistent with the surrounding light industrial properties. Additionally, the project site is located within the North Industrial Planning Area, a planning subarea of the City designated for industrial uses.</p> <p>The MND discussed that the General Plan contains policies designed to avoid the loss of wetland areas. The MND included mitigation measures designed to compensate for the loss of wetlands and concluded that grading of the project site would not have an impact on land use and planning efforts. The proposed project will not conflict with the policies adopted for the purpose of avoiding or mitigating an environmental effect.</p> <p>There are no Habitat Conservation Plans or Natural Community Conservation Plans covering the project site. Therefore, no impact will occur.</p>					

**XI. Mineral Resources**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
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?	Page 24	No	No	No	None
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?	Same	No	No	No	None
<b>Discussion:</b> The MND indicated there are no significant mineral resources in the area and the 2015 Addendum reiterated that conclusion. The conclusion also remains appropriate for this project.					

**XII. Noise**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Exposer 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?	Page 25	No	No	No	None
b) Exposure of persons to or generation of excessive ground borne vibration of ground borne noise levels?	Same	No	No	No	None

c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	Same	No	No	No	None
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	Same	No	No	No	None
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?	Same	No	No	No	None
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?	Same	No	No	No	None

**Discussion:** The MND addressed construction noise as it relates to grading activities, and found the impact to be less than significant. The 2015 Addendum addressed operational noise as it relates to the self-storage facility and determined it is not a noise-generating use. The proposed project does not involve construction or development activities; thus, no impact will occur.

The project site is located adjacent to Foothills Boulevard, which is identified as a transportation noise source in the City's General Plan Noise Element. According to the General Plan, the project site is within the 60 L<sub>dn</sub> noise contour for both existing roadways and future roadways (City of Roseville 2015, Figure IX-1 and Figure IX-2). The closest sensitive receptors are approximately 1,700 feet from the project site. The project is not within an airport land use plan or within two miles of a public or public use airport, and there are also no private airstrips in the vicinity of the project area.

With the proposed project, the site would have the potential to be occupied by commercial and industrial uses as permitted in Section 19.14.020 of the Zoning Ordinance; however, there is no specific use proposed with this project. The potential commercial and industrial uses on the site would not be subject to the maximum noise exposure limits because the General Plan considers those uses less sensitive to noise exposure. Based on this, impacts are less than significant.

**XIII. Population and Housing**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
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)?	Page 26	No	No	No	None
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	Same	No	No	No	None
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	Same	No	No	No	None
<p><b>Discussion:</b> The proposed project will amend the General Plan land use designation of the subject parcels from Neighborhood Commercial (NC) to Light Industrial (LI), and will also changing the zoning designation from Neighborhood Commercial (NC) to Light Industrial (M1). The proposal is not a housing-related project, does not induce growth beyond that anticipated in the General Plan EIR, and does not displace any existing housing. No housing exists on the project site; therefore, there would be no impact with respect to these criteria.</p>					



**XIV. Public Services**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
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 the public services:					
a) Fire protection?	Page 26	No	No	No	None
b) Police protection?	Same	No	No	No	None
c) Schools?	Same	No	No	No	None
d) Parks?	Same	No	No	No	None
e) Other public facilities?	Same	No	No	No	None
<b>Discussion:</b> The MND discussed that the City's General Plan EIR identifies and adopts mitigation for impacts to public services, including police and fire protection, wastewater services, and solid waste disposal. The proposed project will not increase the need for public services and utilities beyond that identified in the General Plan EIR, and the impact is considered less than significant.					

**XV. Recreation**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that physical deterioration of the facility would occur or be accelerated?	Page 27	No	No	No	None
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?	Same	No	No	No	None
<p><b>Discussion:</b> The project involves a change in land use and zoning from Neighborhood Commercial to Light Industrial, which would allow the property to be developed with industrial uses. The MND determined adequate facilities are located within the project area. The 2015 Addendum also concluded that development of an industrial property does not result in any additional recreational facility demand. This conclusion remains appropriate for this project.</p>					

**XVI. Transportation/Traffic**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	Page 28	No	No	No	None
b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	Same	No	No	No	None
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?	Same	No	No	No	None
d) Substantially increase hazards due to a design feature(s) (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	Same	No	No	No	None
e) Result in inadequate emergency access?	Same	No	No	No	None

f) Conflict with adopted policies, plans, or programs supporting public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	Same	No	No	No	None
<p><b>Discussion:</b> The MND identified short term traffic impacts from grading equipment being brought to the site, however the impacts were considered to be minor. The current project proposes a rezone of the site from NC to M1, which would allow for light industrial use types. Prior to the current NC zoning designation of the site, the subject parcels had a zoning designation of Planned Development for Light Industrial uses and were anticipated to be part of a larger business center. The parcels were rezoned to NC in 1992. As part of that rezone, a Traffic Impact Technical Analysis was prepared to identify traffic impacts (Attachment 3). The analysis concluded that commercial uses result in a net increase of daily trips and peak hour trips when compared to light industrial uses. Based on this, it can be assumed that rezoning the property to M1 would result in a lower traffic volume due to the potential types of uses. Thus, impacts are less than significant.</p> <p>There are no airports located in proximity to the site; thus, the project will not result in a change to air traffic patterns.</p> <p>The project does not include the construction of new roadways or street connections. As such, it will not result in increasing hazards or impacting emergency access. The project will not conflict with adopted policies, plans, or programs supporting public transit, bicycle, or pedestrian facilities, or decrease the performance or safety of these facilities.</p>					

## XVII. Tribal Cultural Resources

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
Would the project cause a substantial adverse change in the significance of a Tribal Cultural Resource as defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	Not applicable.				No

a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?	Not applicable.	No	No	No	No
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1 the lead agency shall consider the significance of the resource to a California Native American tribe.	Not applicable.	No	No	No	No

**Discussion:** In addition to archeological resources, tribal cultural resources are also given particular treatment. Tribal cultural resources are defined in Public Resources Code Section 21074, as either 1) a site, feature, place, geographically-defined cultural landscape, sacred place, or object with cultural value to a California Native American Tribe, that is listed or eligible for listing on the California Register or Historical Resources, or on a local register of historical resources or as 2) a resource determined by the lead agency, supported by substantial evidence, to be significant according to the historical register criteria in Public Resources Code section 5024.1(c), and considering the significance of the resource to a California Native American Tribe.

This section was added to the CEQA Guidelines after the publication of the prior environmental document to which this Addendum is attached, but cultural resources were addressed in that document. Notice of the proposed project was mailed to tribes which had requested such notice pursuant to AB 52 and SB 18. A request for consultation was received by the United Auburn Indian Community (UAIC) on November 13, 2018, and staff responded to the request on November 26, 2018 with information on the status of the project and a request for a meeting. The UAIC determined they had no concerns about the change in zoning and land use since no grading will occur at this time; consultation was subsequently concluded on February 5, 2019. The previously applied mitigation relating to cultural resources should be adequate to address potential impacts of the project (see Mitigation Measure MM3 below).

**Mitigation Measure:** MM3—In the event of the discovery of buried paleontological, archaeological or historic deposits, project activities in the vicinity of the find shall be temporarily halted and a qualified archaeologist consulted to assess the resource and provide proper management recommendations. Possible management recommendations for important resources could include resource avoidance or data recovery excavations. If human remains are found, the Placer County Coroner's office shall be contacted immediately. The Coroner shall contact the Native American Heritage commission, which shall notify the appropriate descendant.

**XVIII. Utilities and Service Systems**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	Page 28	No	No	No	None
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?	Same	No	No	No	None
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?	Same	No	No	No	None
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	Same	No	No	No	None
e) Result in a determination by the wastewater treatment provider which serves the project that it has adequate capacity to serve the project's projected demand in addition of the provider's existing commitments?	Same	No	No	No	None
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	Same	No	No	No	None
g) Comply with federal, state, and local statutes and regulations related to solid waste?	Same	No	No	No	None



**Discussion:** The MND addressed only grading impacts and determined there were no impacts on utilities. The proposed project was routed to various City departments and utility agencies for review. No impacts resulting from the proposed land use and zone changes were identified. Future development of the project site will be reviewed by the City's Engineering Division, Environmental Utilities, Roseville Electric, and PG&E to ensure adequate services are available and for compliance with applicable statutes and regulations.

## XIX. Mandatory Findings of Significance

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
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 eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, threatened or rare species, or eliminate important examples of the major periods of California history or prehistory?	Page 30	No	No	No	None
b) Does the project have impacts which 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.)	Same	No	No	No	None
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	Same	No	No	No	None

**Discussion:** Long term environmental goals are not impacted by the proposed project. The cumulative impacts do not deviate beyond what was contemplated in the General Plan EIR, and mitigation measures have already been incorporated. With implementation of the City's Mitigating Ordinances, Guidelines, and Standards and best management practices, mitigation measures described in this chapter, and permit conditions, the proposed project will not have a significant impact on the habitat of any plant or animal species. Based on the foregoing, the proposed project does not have the potential to degrade the quality of the environment, substantially reduce the habitat of any wildlife species, or create adverse effects on human beings.

## **ENVIRONMENTAL DETERMINATION:**

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*In reviewing the site specific information provided for this project and acting as Lead Agency, the City of Roseville, Development Services Department, Planning Division has analyzed the potential environmental impacts created by this project and determined that the findings of CEQA Section 15162 concerning the decision not to prepare a subsequent EIR or negative declaration and the findings of CEQA Section 15164 concerning the decision to prepare an Addendum can be made. As supported by substantial evidence within the 2<sup>nd</sup> Addendum to the NIPA PCL 50 – Foothills Corporate Center Grading Plan Mitigated Negative Declaration (SCH # 2012092002, certified October 11, 2012), the Lead Agency makes the following findings:*

☒ [ X ] No substantial changes are proposed in the project which would require major revisions of the previous EIR or Mitigated Negative Declaration.

☒ [ X ] No substantial changes have occurred with respect to the circumstances under which the project is undertaken.

☒ [ X ] There is no new information of substantial importance which was not known and could not have been known with the exercise of due diligence at the time the previous EIR was certified as complete or the Mitigated Negative Declaration was adopted.

☒ [ X ] Only minor technical changes or additions are necessary in order to deem the adopted environmental document adequate.

Addendum Prepared by:



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Kinarik Shallow, Assistant Planner  
City of Roseville, Development Services–Planning Division

## **Attachments:**

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1. NIPA PCL 50—Foothills Corporate Center Grading Plan Mitigated Negative Declaration
2. Addendum to the NIPA PCL 50—Foothills Corporate Center Grading Plan Mitigated Negative Declaration
3. Traffic Impact Technical Analysis for Lantech Business Center



## PLANNING DEPARTMENT

311 Vernon Street, Roseville, CA 95678 (916) 774-5276

## NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION

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**Project Title/File Number:** NIPA PCL 50 – Foothills Corporate Center Grading Plan

**Project Location:** 8501 Foothills Bl.; Roseville; Placer County; APN: 017-230-014-000

**Project Description:** The applicant requests approval of a Major Grading Plan that would allow rough grading of the site and seasonal wetlands on the site to be filled.

**Project Applicant:** Greg Bardini, Morton & Pitalo, Inc.; (916) 984-7621; 75 Iron Point Circle #120, Folsom, CA 95630

**Property Owner:** Daisy Stires, Sterling Savings Bank ; (509) 227-0960 ; 111 North Wall St., Spokane, WA 99026

**Lead Agency Contract Person:** Derek Ogden, Associate Planner

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**DECLARATION:** *The Planning Director has determined that the above project will have no significant effect on the environment and therefore does not require preparation of an Environmental Impact Report. The determination is based on the following findings:*

- A. *The project will not have the potential to degrade the quality of the environment, substantially reduce the habitat of fish or wildlife species, cause a fish or wildlife population to drop below self sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, rare or threatened species, reduce the number or restrict the range of rare or endangered plants or animals or eliminate important examples of the major periods of California history or prehistory.*
- B. *The project will not have the potential to achieve short-term, to the disadvantage of long-term, environmental goals.*
- C. *The project will not have impacts, which are individually limited, but cumulatively considerable.*
- D. *The project will not have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly.*
- E. *No substantial evidence exists that the project may have a significant effect on the environment.*
- F. *The project incorporates all applicable mitigation measures identified in the attached initial study.*
- G. *This mitigated negative declaration reflects the independent judgment of the lead agency.*

Copies of the proposed Mitigated Negative Declaration and all documents referenced therein are available for review by members of the public at the City of Roseville, Planning Department, 311 Vernon Street, Roseville, CA 95678, during the normal business hours of 8 am to 5 pm, Monday through Friday.


**Written comments shall be submitted no later than October 5, 2012, which is 30 days from the start of the posting date of September 5, 2012.**

**POSTING PERIOD:** September 5, 2012 to October 5, 2012

SUBMIT COMMENTS TO:

Roseville Planning Department  
Attn: Derek Ogden  
311 Vernon Street  
Roseville, CA 95678

Initial Study Prepared by:



Derek Ogden, Associate Planner

The public hearing regarding the project will be held on October 11, 2012 at 7:00 p.m. before the Planning Commission. The hearing will be held in the City of Roseville Council Chambers located at 311 Vernon Street, Roseville, California.

*NOTE TO PLACER COUNTY CLERK: Please mail the original of this document back to the Roseville City Clerk at 311 Vernon Street, Suite 208, Roseville, CA 95678.*

## INITIAL STUDY & ENVIRONMENTAL CHECKLIST

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<b>Project Title/File Number:</b>	NIPA PCL 50 – Foothills Corporate Center Grading Plan
<b>Project Location:</b>	8501 Foothills Bl.; Roseville; Placer County; APN: 017-230-014-000
<b>Project Description:</b>	The applicant requests approval of a Major Grading Plan that would allow rough grading of the site and seasonal wetlands on the site to be filled.
<b>Project Applicant:</b>	Greg Bardini, Morton & Pitalo, Inc.; (916) 984-7621; 75 Iron Point Circle #120, Folsom, CA 95630
<b>Property Owner:</b>	Daisy Stires, Sterling Savings Bank ; (509) 227-0960 ; 111 North Wall St., Spokane, WA 99026
<b>Lead Agency Contact Person:</b>	Derek Ogden, Associate Planner - City of Roseville; (916) 774-5276

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This initial study has been prepared to identify and assess the anticipated environmental impacts of the above described project application. The document relies on previous environmental documents (see Attachments) and site-specific studies prepared to address in detail the effects or impacts associated with the project. Where documents were submitted by consultants working for the applicant, City staff reviewed such documents in order to determine whether, based on their own professional judgment and expertise, staff found such documents to be credible and persuasive. Staff has only relied on documents that reflect their independent judgment, and has not accepted at face value representations made by consultants for the applicant.

This document has been prepared to satisfy the California Environmental Quality Act (CEQA), (Public Resources Code, Section 21000 et seq.) and the State CEQA Guidelines (14 CCR 15000 et seq.). CEQA requires that all state and local government agencies consider the environmental consequences of projects over which they have discretionary authority before acting on those projects.

The initial study is a public document used by the decision-making lead agency to determine whether a project may have a significant effect on the environment. If the lead agency finds substantial evidence that any aspect of the project, either individually or cumulatively, may have a significant effect on the environment, regardless of whether the overall effect of the project is adverse or beneficial, the lead agency is required to prepare an EIR. If the agency finds no substantial evidence that the project or any of its aspects may cause a significant effect on the environment, a negative declaration shall be prepared. If in the course of analysis, the agency recognizes that the project may have a significant impact on the environment, but that by incorporating specific mitigation measures to which the applicant agrees, the impact will be reduced to a less than significant effect, a mitigated negative declaration shall be prepared.

Because the proposed project is consistent with the City's General Plan, for which an EIR was prepared, the project is subject to the streamlining provisions of CEQA Guidelines Section 15183.

Under that section, certain categories of impacts can be exempt from CEQA, including significant effects of projects that were previously disclosed in a General Plan EIR. (See CEQA Guidelines, § 15183, subd. (b)(2).) In general, project-specific review under that section is focused on “project-specific significant impacts which are peculiar to the project or its site.” (*Id.*, subd. (a).) Notably, “[a]n effect of a project on the environment shall not be considered peculiar to the project or the parcel . . . if uniformly applied development policies or standards have been previously adopted by the city . . . with a finding that the development policies or standards will substantially mitigate that environmental effect when applied to future projects, unless substantial new information shows that the policies or standards will not substantially mitigate the environmental effect.” (*Id.*, subd. (f).).

In reviewing the site specific information provided for this project, the City of Roseville Planning Department has analyzed the potential environmental impacts created by this project and determined that with mitigation the impacts are less than significant. As demonstrated in the initial study checklist, there are no “project specific significant effects which are peculiar to the project or site” that cannot be reduced to less than significant effects through mitigation (CEQA Section 15183) and therefore an additional EIR **is not** required. Therefore, **on the basis of the following initial evaluation**, we find that the proposed project **could not** have a significant effect on the environment, and a **Mitigated Negative Declaration** will be prepared.

Prepared by: Derek Ogden  
Derek Ogden, Associate Planner

Date: 9/5/12



## Table of Contents

<b>Project Description.....</b>	<b>4</b>
<b>Zoning and Land Use.....</b>	<b>4</b>
<b>Uniformly Applied Policies and Standards.....</b>	<b>5</b>
<b>Explanation of Initial Study Checklist .....</b>	<b>5</b>
<b>Initial Study Checklist.....</b>	<b>6</b>
I.    Aesthetics .....	6
II.   Agricultural & Forestry Resources .....	7
III.  Air Quality and Greenhouse Gases .....	8
IV.   Biological Resources .....	15
V.    Cultural Resources .....	17
VI.   Geology and Soils .....	19
VII.  Hazards and Hazardous Materials .....	20
VIII. Hydrology and Water Quality .....	22
IX.   Land Use and Planning .....	23
X.    Mineral Resources .....	24
XI.   Noise .....	24
XII.  Population and Housing .....	25
XIII. Public Services .....	26
XIV.  Recreation .....	27
XV.   Transportation / Traffic .....	27
XVI.  Utilities and Service Systems .....	28
XVII. Mandatory Findings of Significance .....	29
<b>Environmental Determination .....</b>	<b>30</b>
<b>Attachments</b>	



## PROJECT DESCRIPTION

### *Project Location*

The project site is located at 8501 Foothills Bl. The site is physically located on the eastern side of Foothills Bl. in between Foothills Bl. and Washington Bl. (see Figure1).

### *Setting*

The project site is approximately 60 acres and is primarily rolling grasslands with a single ephemeral drainage swale that traverses the property in the northern portion of the site. There are several other wetland features including vernal pools, seasonal wetlands and seasonal wetland swales on the property. Approximately .28 acres of seasonal wetlands and drainage areas exist on the site. In addition, a public utility easement exists along the southern property line where existing overhead electric lines are located.

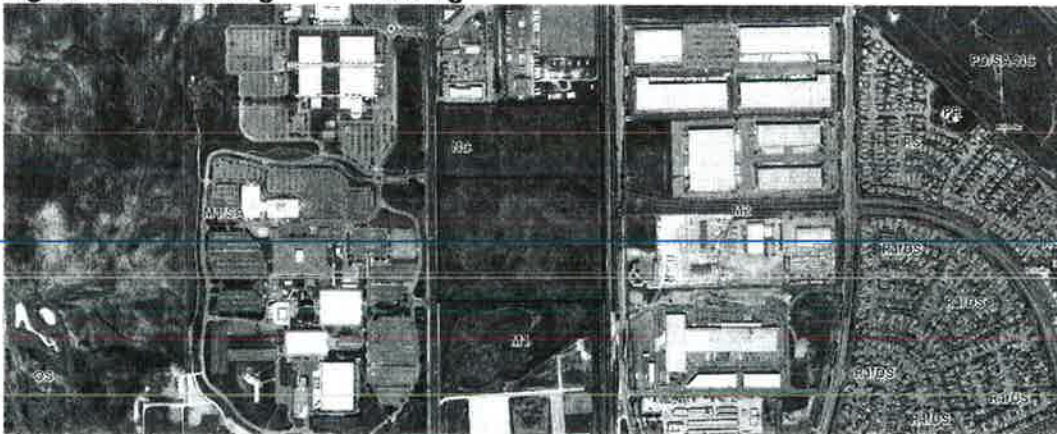
The majority of the property has a zoning designation of Light Industrial (M1) and a General Plan land use designation of Light Industrial (LI) (Figure 1). A portion of the property in the northwestern corner of the site has a zoning designation of Neighborhood Commercial (NC).

### *Surrounding Zoning and Land Use*

Location	Zoning	General Plan Land Use	Actual Use of Property
Site	Light Industrial (M1) & Neighborhood Commercial (NC)	Light Industrial (LI) & Neighborhood Commercial (NC)	vacant
North	M1	LI	Office/ Industrial Complex
South	M1	LI	Telefunken Campus (vacant land immediately south)
East	M2	Industrial (IND)	Industrial Complex
West	M1/SA	LI	Hewlett Packard Campus

The current request is to prepare the site for future development by rough grading the property and filling the .28 acres of wetland areas on the site. The City's Grading Ordinance requires approval of a Major Grading Plan when a project will impact natural features such as wetlands or native oak trees.

**Figure 1: Surrounding Uses & Zoning**



## **UNIFORMLY APPLIED POLICIES AND STANDARDS**

For projects that are consistent with the development density established by existing zoning, community plan, or general plan policies for which an EIR was certified, CEQA Guidelines Section 15183, as noted earlier, allows a lead agency to rely on previously adopted development policies or standards as mitigation for the environmental effects, when the standards have been adopted by the City, with findings based on substantial evidence, that the policies or standards will substantially mitigate environmental effects, unless substantial new information shows otherwise (CEQA Guidelines §15183(f)). In April 2008, the City of Roseville adopted Findings of Fact related to the mitigating policies and standards, and adopting the City of Roseville CEQA implementing procedures for the preparation, processing, and review of environmental documents (Resolution 08-172). These findings are applicable to the following regulations and ordinances, which include standards and policies that are uniformly applied throughout the City, and will substantially mitigate specified environmental effects of future projects:

- City of Roseville CEQA Implementing Procedures
- City of Roseville General Plan Policies
- City of Roseville Zoning Ordinance (RMC Title 19)
- Noise Regulation (RMC Ch.9.24)
- Flood Damage Prevention Ordinance (RMC Ch.9.80)
- Traffic Mitigation Fee (RMC Ch.4.44)
- Highway 65 Joint Powers Authority Improvement Fee (Resolution 2008-02)
- South Placer Regional Transportation Authority Transportation and Air Quality Mitigation Fee (Resolution 09-05)
- Drainage Fees (Dry Creek [RMC Ch.4.49] and Pleasant Grove Creek [RMC Ch.4.48])
- City of Roseville Improvement Standards (Resolution 02-37)
- City of Roseville Construction Standards (Resolution 01-208)
- Tree Preservation Ordinance (RMC Ch.19.66)
- Subdivision Ordinance (RMC Title 18)
- Community Design Guidelines (Resolution 95-347)
- Specific Plan Design Guidelines:
  - Development Guidelines Del Webb Specific Plan (Resolution 96-330)
  - North Central Roseville Specific Plan and Landscape Design Guidelines (Resolution 90-170)
  - North Roseville Specific Plan and Design Guidelines (Resolution 00-432)
  - Northeast Roseville Specific Plan (Olympus Pointe) Signage Guidelines (Resolution 89-42)
  - North Roseville Area Design Guidelines (Resolution 92-226)
  - Northeast Roseville Specific Plan Landscape Design Guidelines (Resolution 87-31)
  - Southeast Roseville Specific Plan Landscape Design Guidelines (Resolution 88-51)
  - Stoneridge Specific Plan and Design Guidelines (Resolution 98-53)
  - West Roseville Specific Plan (Resolution #04-38)

The City's Mitigating Policies and Standards are referenced, where applicable, in the Initial Study Checklist. The City of Roseville has adopted CEQA Findings that these Mitigating Policies and Standards substantially mitigate specified environmental impacts of the future project.

## **EXPLANATION OF INITIAL STUDY CHECKLIST**

The California Environmental Quality Act (CEQA) Guidelines recommend that lead agencies use an Initial Study Checklist to determine potential impacts of the proposed project to the physical environment. The Initial Study Checklist provides a list of questions concerning a comprehensive array

of environmental issue areas potentially affected by this project. This section of the Initial Study incorporates a portion of Appendix "G" Environmental Checklist Form, contained in the CEQA Guidelines.

There are four (4) possible answers to the Environmental Impacts Checklist on the following pages. Each possible answer is explained herein:

- 1) A "Potentially Significant Impact" is appropriate if there is enough relevant information and reasonable inferences from the information that a fair argument based on substantial evidence can be made to support a conclusion that a substantial, or potentially substantial, adverse change may occur to any of the physical conditions within the area affected by the project. When one or more "Potentially Significant Impact" entries are made, an EIR is required.
- 2) A "Potentially Significant Unless Mitigation Incorporated" answer is appropriate where the applicant has agreed to incorporate a mitigation measure to reduce an impact from "Potentially Significant" to a "Less than Significant." For instance, impacts to flood waters could be reduced from a "potentially significant impact" to a "less than significant impact" by relocating a building to an area outside of the floodway. The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less-than-significant level. Mitigation Measures are identified as MM followed by a number.
- 3) A "Less Than Significant Impact" answer is appropriate if there is evidence that one or more environmental impacts may occur, but the impacts are determined to be less than significant, or that the application of development policies and standards to the project will reduce the impact(s) to a less than significant level. For instance, the application of the City's Improvement Standards reduces potential erosion impacts to a less than significant impact.
- 4) A "No Impact" answer is appropriate where it can be clearly seen that the impact at hand does not have the potential to adversely affect the environment. For instance, a project in the center of an urbanized area will clearly not have an adverse effect on agricultural resources or operations.

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.

A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources cited in the parentheses following each response. A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards.

## INITIAL STUDY CHECKLIST

### I. Aesthetics

Would the project:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?			X	
b) Substantially damage scenic resources, including, but not limited			X	



Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
to, trees, rock outcroppings, and historic buildings within a state scenic highway?				
c) Substantially degrade the existing visual character or quality of the site and its surroundings?			X	
d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?			X	

#### Discussion of Checklist Answers:

a-c) The project site does not abut and is not visible from any designated scenic vista or scenic highway. The project will involve grading a vacant parcel that has been anticipated for development by both the NIPA and the General Plan. The General Plan EIR identified that the conversion of an undeveloped parcel to urban development as an unavoidable significant impact for which the City Council also adopted a statement of overriding considerations. The site is now surrounded by development. Since the setting is now an urban environment, contour grading on the site is considered a less than significant impact.

d) Light and glare will not increase above the existing condition. The proposed project will only involve minor grading and the City's Improvement Standards require the areas where grading will occur to be covered with an erosion control seed mixture that will help to prevent degradation of views of the property.

Aesthetic impacts will be less than significant.

## II. Agricultural & Forestry 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 Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

Would the project:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	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				X

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				X
d) Result in the loss of forest land or conversion of forest land to non-forest use?				X
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?				X

#### Discussion of Checklist Answers:

a, e) The subject property contains no prime farmland, unique farmland, or farmland of statewide importance or active agricultural operations. The Special Status species assessment prepared for the Foothills Corporate Center (Attachment 1) identified the soil type in the project area as Cometa-Fiddymet Complex. This soil type is not listed as a high quality soil that supports agriculture. Therefore there will be no impact to farmlands and no mitigation is required.

b) The subject property is not currently under a Williamson Act contract or zoned for agricultural use. Development of the proposed project will not conflict with existing zoning for agriculture use or an active Williamson Act contract and no mitigation is required.

c- e) The project site does not support any forest resources and the land is not zoned for forestry activities or timberland. The project would have no impacts to forest resources. No mitigation is required.

No agricultural or forestry resources are present on the site. Therefore, the proposed project will not have an impact on agricultural or forestry resources.

### III. Air Quality and Greenhouse Gases

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:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?				X
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?			X	
c) Result in a cumulatively considerable net increase of any criteria 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)?			X	
d) Expose sensitive receptors to substantial pollutant concentrations?			X	
e) Create objectionable odors affecting a substantial number of people?			X	
f) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
g) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			X	

#### Discussion of Checklist Answers:

##### **A-E): California Clean Air Act Requirements**

The City of Roseville, along with the south Placer County area, is located in the Sacramento Air Quality Maintenance Area (SAQMA). Under the California Clean Air Act, Placer County has been designated a "serious non-attainment" area for ozone and a "non-attainment" area for PM10 (particulate matter less than 10 microns in diameter). The Placer County Air Pollution Control District (PCAPCD) is responsible for administration of state and federal air quality standards. In 1991, the PCAPCD adopted its first Air Quality Attainment Plan (AQAP). The AQAP is required by the California Clean Air Act (CCAA), and is designed to bring Placer County into compliance with state ozone standards, which are generally more stringent than current federal ambient standards.

##### **Federal Clean Air Act Requirements**

Under the Federal Clean Air Act, Placer County is designated as a severe non-attainment area for ozone, and is an attainment area for the federal PM10 standards, and other criteria pollutants. The City of Roseville, along with the south Placer County area, is located in the Sacramento Air Quality Maintenance Area (SAQMA). The Sacramento Area Council of Governments (SACOG), in conjunction with SAQMA air quality management districts, and the California Air Resources Board, developed the SAQMA portion of

the State Implementation Plan (SIP). The SIP is required to demonstrate compliance with the Federal Clean Air Act Amendments. The U.S. EPA approved the SIP in 1996, and the SAQMA has since been operating under the SIP control measures.

This project alone does not have a potential to significantly degrade air quality. However, the incremental impacts associated with this project considered cumulatively with the incremental impacts of other projects will degrade air quality. The General Plan EIR has assessed the impacts to air quality from development of the parcel in its cumulative impact analyses. The General Plan EIR found that the significant adverse air quality impacts cannot be mitigated to a less than significant level even with the mitigation measures proposed. Addressing the unmitigatable cumulative impacts to air quality, the EIR adopted findings of overriding consideration. However, CEQA requires that reductions in adverse project impacts be made, where it is feasible to do so.

Short term impacts to air quality can be expected in association with construction activities. These impacts are primarily associated with construction activities and the increased potential for dust and wind driven erosion of soils. Particulate matter resulting from construction dust will be reduced by implementing standard dust control measures on the job site as part of an erosion control plan. The grading permit and on-site inspection by the Public Works Department will ensure appropriate dust control measures, such as watering are done to reduce short-term air quality impacts. Vehicle exhaust, produced during project construction, could temporarily contribute to the deterioration of ambient air quality. Diesel fuel fumes from construction equipment may be noticeable in the vicinity of the site; however, this is a short-term effect. All equipment must comply with California emissions standards.

This project remains consistent with the development scenarios modeled for the General Plan EIR and the findings and statement of overriding considerations adopted by the City for the General Plan EIR.

There are no sensitive receptors located in the vicinity of the project site. The project does not include components with the potential to create significant objectionable odors. No significant impact associated with odor would result from the project.

F & G) The State has adopted several policies and regulations for the purpose of reducing GHG emissions. The most stringent of these is Assembly Bill 32 (AB 32), which is designated to reduce statewide GHG emissions to 1990 levels by 2020. The City of Roseville has been proactive in improving air quality and reducing GHG's through the following measures:

#### General Plan

The City of Roseville General Plan was updated in 2008 to specifically identify policies that reduce greenhouse gas emissions. These policies, which address global climate change by requiring greenhouse gas emissions reduction, conserving energy and resources and by addressing the potential impact of climate change (e.g., the flood protection policies) are identified in the General Plan with a leaf symbol.

#### City of Roseville Operations

*Utility Operations:* The following is a list of City initiated measures to reduce GHG's that are included in the City of Roseville Utility Operations:

- The Water Treatment, Water Distribution, Storm Water, Wastewater Treatment, Wastewater Collection, and Recycled Water facilities are the primary divisions in the Environmental Utilities Department that are affected by the implementation of the energy efficiency standards listed below.
- Automatic Process Controls Systems: There are numerous benefits of automatic process control systems. Two of the chief benefits are chemical and energy savings. Savings of 20% in chemical and energy consumption with a payback period of 2 years are not uncommon.



- Reduced chemical usage is achieved automatically by varying the chemicals delivered to the process to precisely match the amount of chemical needed. The reduced chemical consumption also achieves the benefit of reducing shipments of chemicals to the facility, reducing pumping costs, and less wear and tear on chemical systems due to excessive operation. All of the chemical control systems in Environmental Utilities utilize automatic process control systems.
- Reduction in electricity consumption is achieved via automatic process controls since the automated system will only operate equipment that is needed for current process conditions. The system constantly evaluates the equipment that is required to control the processes and turns on or off equipment as necessary to maintain permit and regulatory compliance. In addition to turning on and off equipment, many of the motors on process equipment are equipped to vary their speed automatically with variable frequency drives. The variable frequency drives will automatically vary the speed of a pump or other device to match the exact speed required for the process. All capital improvement projects for Environmental Utilities since 1994 utilize automatic process control systems.
- Variable Frequency Drives: Variable frequency drives is a system used to vary the speed of rotating equipment rather than running it at full speed, thereby reducing energy consumption.
- The majority of variable frequency drive applications are for pumps and fans. The savings is largest for them since the theoretical power required varies with the cube of the speed of the equipment. The Energy and Water Management Report conducted by Xenergy in 2001 revealed no additional treatment processes would benefit by addition of variable frequency drives at our treatment facilities since Environmental Utilities had already properly assessed their treatment systems. Each treatment process continues to be evaluated during design to determine whether variable frequency drives will provide a benefit.
- Soft Starters: Soft Starters are utilized to reduce the initial inrush of current that occurs when a city vehicle motor is started.
- Typical starting current for a motor ranges from ten to thirteen times the normal operating current. With the use of soft starters, the starting current is typically reduced to two to three times the normal operating current. Roseville Electric is required to have reserve power available at all times to allow for the extra current demands created by the motors and other loads in the City. Use of soft starters reduces the peak current demand on Roseville Electric and also has the benefit of reducing mechanical and electrical stresses on the affected equipment.
- Premium Efficiency Motors: Electric motors account for majority of the energy costs for Environmental Utilities facilities.
- In 1992 the National Electrical Manufacturers Association standardized the criteria for labeling motors as “premium efficiency”. This label could only be applied to motors that meet stringent criteria for efficiency standards. These efficiencies translate into reduced energy consumption for each motor, and the increased cost of these motors typically has a payback from a few months to a couple of years. Environmental Utilities has required the use of premium efficiency motor for all new replacement motors since 1998.
- Heating Ventilation and Air Conditioning (HVAC) and Lighting Systems: Less than three percent of electricity consumed in the water and wastewater treatment process is due to HVAC and lighting.
- Environmental Utilities meets or exceeds California Code of Regulations Title 24 energy efficiency standards. These efficiencies include use of occupancy sensors for indoor lighting, photocells for outdoor lighting, and programmable thermostats for HVAC systems.

In addition to all of the minimum requirements listed above, Environmental Utilities is partnering with Roseville Electric to investigate new and emerging technologies to reduce the overall electrical consumption by Environmental Utilities. Some of the programs currently being analyzed or



implemented include installation of solar panel grids, wastewater treatment gas powered fuel cells and low pressure-high output ultraviolet disinfection systems for the wastewater treatment facilities.

**Diesel Emissions Control Systems (DECS):** Twenty-Three (23) solid waste collection trucks and nine (9) diesel transit buses have been retrofitted with DECS reducing the diesel particulate material (PM) by 85% and Nitrogen Oxides (NOx) by 25% for each vehicle.

**Ultra Low Sulfur Diesel (ULSD):** The City of Roseville has been using ULSD for over two years on its transit fleet and it is now used exclusively by all fleet diesel engines.

**Compressed Natural Gas (CNG) Fuel:** Nine (9) transit buses and one (2) passenger van operate on CNG fuel.

**Hybrid Vehicles:** Currently there are four (4) hybrid vehicles in the City's fleet and the City is looking to add more this year.

**Biodiesel:** Vehicle Maintenance has entered into discussions with area users and distributors to look at the cost/benefit of using biodiesel within the city's diesel fleet.

**Traffic Signal-head Retrofits:** Over the past 6 years, Roseville has installed or converted 2,539 traffic signal heads, 914-pedestrian signal heads, and 16 internally illuminated street name signs from traditional incandescent light bulbs to energy efficient LED's (Light Emitting Diodes). This change resulted in a 300,900 kWh (kilowatt hour) monthly reduction in energy consumption (3,610,548 kWh annually). Thanks to the LED changeover, the City saves over \$24,900 a month in energy costs – almost \$300,000 a year.

**Traffic Signal Coordination:** Roseville has 16 roadway segments that are coordinated at various times throughout the day. Out of the 150 existing traffic signals within the city, 87 signals are coordinated – about 58% of all traffic signals in Roseville. Coordinated traffic signals help deter emissions normally created by vehicles through reduced vehicle idling, acceleration and deceleration. It also contributes to increased vehicle fuel economy for the motoring public. Studies have documented a 20% overall reduction in total delay on the coordinated corridors.

**Asphalt Recycling:** The City's Street Maintenance Division reduces emissions by recycling asphalt materials replaced during maintenance on roadways. Recycled asphalt is reused as base material for overflow parking lots and roadway repairs. This practice saves money and avoids emissions created by asphalt processing.

#### Climate Action Initiatives

In September 2006, City Council took a major step toward charting a course for a greener and more sustainable Roseville by adopting the National Action Plan for Energy Efficiency and the guiding principles for Greenhouse Gas Reduction Goals. Roseville joined the California Climate Action Registry in 2006 as well.

- **National Action Plan for Energy Efficiency** – In 2006, the United States Environmental Protection Agency (EPA) and Department of Energy (DOE) co-sponsored the National Action Plan for Energy Efficiency (the Action Plan). The Action Plan presents policy recommendations for creating a sustainable, aggressive national commitment to energy efficiency through gas and electric utilities and partner organizations. Such a commitment could save Americans many billions of dollars on energy bills over the next 10 to 15 years, contribute to energy security, and improve our environment. Roseville has adopted the principles of the Action Plan.
- **Climate Action Registry** – Roseville Electric joined the California Climate Action Registry (CCAR) in late 2006. As a member, Roseville Electric compiled and reported its Green House Gas (GHG)

emissions. Roseville Electric's first filing only reported CO<sub>2</sub>. All filings subsequent to 2008 report the six Kyoto gases (carbon dioxide, methane, nitrous oxide, hydro fluorocarbons, per fluorocarbons, and sulfur hexafluoride) to the extent Roseville Electric is a producer of the respective gas.

- **Greenhouse Gas Goals** – Roseville Electric is actively monitoring and participating in the efforts of the California Air Resources Board as it implements the "The California Global Warming Solutions Act of 2006," or AB32.
- **Renewable Portfolio (RPS)** – The Roseville Electric Renewable Portfolio Standard requires 20% renewable power resources in Roseville Electric's power portfolio. For over 20 years, the City of Roseville has used renewable energy resources to meet a portion of its customer's needs with its ownership participation in the Northern California Power Agency projects: Collierville hydroelectric facility (1990); geothermal facilities (1983 & 1985 or Plans 1 & 2, respectively); and its purchased power from the Federal entity Western Area Power Administration – Sierra Nevada Region Central Valley Project hydroelectric system. In addition, power is purchased from the landfill gas facility in Lincoln Landfill. The project uses landfill gas, which is mostly methane, to produce electricity instead of allowing the gas to vent into the atmosphere or burned through flaring. Each ton of methane has the equivalent effect of 21 tons of carbon dioxide in its global warming potential. In 2006, these projects, as well as other power purchases served approximately 45% of Roseville's electrical needs. When compared to conventional fossil fuel generation, the output from these renewable sources avoids the projection of 266 million pounds of CO<sub>2</sub> which has the environmental impact of removing 26,176 cars from the road or planting more than 50 million trees each year.
- **The Roseville Energy Park (REP)** – The Roseville Energy Park is a 166 megawatt natural gas fired power plant that utilizes the state-of-the-art and most efficient current combined cycle gas turbine ("CCGT") technology available – a technology recognized and selected by the California state legislature to serve as the benchmark for the Emission Performance Standard ("EPS"). The benchmark will be applied to base load resources located within the state of California and resources that ultimately produce the power that is imported into California.
- **City Owned Solar Electric Systems** – Roseville Electric and the City of Roseville have been active supporters of solar electric generation (photovoltaic, or "PV") since 1997; Electric and Central Services Departments have installed PV on the Ray Sharp Memorial Fire Station #6, at the Roseville Aquatics Center, the Civic Center, and the historic locomotive on Vernon Street. In addition, RE installed a PV system on a rooftop at Silverado Middle School in the Dry Creek School District. These systems provide enough locally generated clean renewable energy to offset approximately 102,000 pounds of CO<sub>2</sub> greenhouse gas emissions from traditional fossil fuel fired generation each year.
- **City Facilities Powered by Clean Renewable Energy** – Currently, Roseville Electric provides both the City's Civic Center and Roseville Electric buildings with clean, renewable power by purchasing 100% of their energy use from Green Roseville, described below. These City buildings alone avoid the projection of more than 1.2 million pounds of CO<sub>2</sub> per year. Roseville Electric hopes to have all City owned facilities powered by clean energy.
- **Green Roseville – Clean Green Energy Program** – Roseville Electric offers its customers the choice to purchase clean, renewable energy for their homes or businesses. Choosing clean energy is one of the most significant efforts an individual or an organization can take to reduce their impact on the environment. Renewable energy ties directly to a reduction in CO<sub>2</sub> emissions and is recognized by the Environmental Protection Agency to have a substantial positive effect on the environment. Green Roseville provides renewable energy from the cleanest, local sources available – wind and solar. The wind energy comes from High Winds wind farm, the largest modern wind farm in California located in nearby Solano County. The solar energy is produced within the City of Roseville by facilities such as Fire Station #6, the Roseville Aquatics Center and the Civic Center. In order to expand the benefits of the program to the community, all proceeds from the solar energy customers are matched by the City of Roseville to support the production of new City-owned PV systems that provide the solar energy used in the program. The average Roseville home enrolled in

the program can prevent about 7,700 pounds of carbon dioxide and other harmful air pollutants such as particulates from entering the atmosphere each year. Small businesses and Large Green Roseville Business Partner Champions have a much greater impact.

- **Shade Tree Program** – Roseville Electric, in cooperation with Roseville Urban Forest Foundation, provides free shade trees to residential and commercial customers as an energy efficiency measure. Properly placed shade trees can reduce summer cooling costs by 20-40 percent while also providing environmental benefits through oxygen exchange and noise reduction.
- **Strategic Planning and Initiatives** – Roseville Electric has a strong commitment to energy reductions and renewable energy resources, two effective ways to reduce GHG's and assist in creating a sustainable community. As a strategic goal, Roseville will reduce energy requirements by 5% by 2012 through demand side programs such as energy efficiency and renewable energy resources like solar energy facilities. State law requires roughly 3% of total electric revenue be targeted toward demand side efforts. Roseville exceeds this requirement with an allocation of 5% of total revenues toward the demand side programs and resources.
- **Solar Electric (PV) Incentive Programs** – Solar electric generation incentives are provided to Roseville residential and commercial electric customers – both for new buildings and to retrofit existing buildings. PV systems reach peak production during times of the day when the Roseville Electric system experiences maximum electric demand from City customers. PV incentives are designed to minimize the customer's project "first cost" (initial investment) with respect to installing new PV equipment. Roseville Electric presently has 460 AC watts installed, with generation of approximately 741,328 kWh per year. This level of clean energy generation creates an environmental benefit equal to the reduction of 922,000 pounds of CO<sub>2</sub> per year.
- **Energy Audits** – Roseville Electric (RE) provides "on-line" and on-site energy audits to residential and commercial electric customers. Based upon the premise that "you can't change what you don't understand"; these audits provide the customers with a report on their present energy use patterns and habits. They also identify opportunities for the customer to change electric usage patterns or purchase more energy efficient appliances and equipment that will reduce their monthly energy bills. Commercial customers can link into the Customer Connection advice available on the Roseville Electric website for more in-depth information. Residential customers can click on the RE-View Energy and Water audit on [RosevilleElectric.org](http://RosevilleElectric.org).
- **Residential Energy Efficiency Programs** – RE's Residential Energy Efficiency Programs for new and existing homes offer rebates, educational materials and technical assistance designed to help customers use electricity more efficiently. Customers benefit from reduced electric bills and by reducing emissions due to reduced power consumption. Programs focus on rebates for new window upgrades, energy efficient appliances, better insulation, and high efficiency air conditioners and heat pumps. For the new home market, Roseville Electric offers award winning programs. Via development agreements, all new construction requires air conditions that exceed state energy efficiency requirements. Preferred Homes provides rebates to builders who construct energy efficient homes. The annual goal is 1000 new homes per year. The BEST Homes program takes an additional step by adding electricity producing solar electric panels, Energy Star appliances and shade trees to the Preferred Homes requirements. Goals are to include 30% of all new homes in Roseville in one of these programs. Over the next 25 years, the result will be a reduction in further emissions of CO<sub>2</sub> by 62,000 ton lbs. additionally; this is equivalent to planting 22,000,000 trees over the next 25 years.
- **Energy Efficiency Programs for Low Income Residents** – Loans, grants and the Handyperson Program provide financial assistance to low income residents and can be used to improve the energy efficiency of a home. These programs are funded through Federal and State programs for low income residents and administered by the Roseville's Housing Division.
- **Commercial Energy Efficiency Programs** – Roseville Electric's Commercial Retrofit Energy Efficiency Rebate Program helps new and existing businesses save energy and money and reduce



summer peak electric consumption. Reductions in summer peak demand reduce greenhouse gases and save ratepayers money. RE offers rebates to assist with reduction of first cost expenditures for energy efficiency upgrades in equipment. Rebates are available for HVAC, lighting, chillers, and are part of a customized approach that allows the customer to create their own energy efficiency measure. In the new construction market, cash rebates are available to architects, engineers, and owners who build at a minimum of 10 percent beyond Title 24 requirements.

- **Alternatively Fueled Vehicles** – Highway vehicles are a major contributor to air pollution in the U.S., producing 29-63% of key chemicals that cause smog and health problems. [www.fueleconomy.gov](http://www.fueleconomy.gov). U.S. Dept. of Energy.
  - **Carbon monoxide (CO)** – 63%
  - **Nitrogen oxides (NO<sub>x</sub>)** – 36%
  - **Hydro-carbons** – 29%

Hybrid-electric vehicles combine the benefits of gasoline engines and electric motors to reduce reliance on fossil fuels and provide up to a 50% reduction in emissions. The Roseville Electric fleet of vehicles includes 4 hybrid fuel vehicles. All new staff cars will be hybrid. The use of hybrid vehicles in the City's fleet will substantially reduce GHG emissions. According to the City's Draft Municipal climate Action Plan, it is estimated that the City's Fleet Program will save approximately 55,000 gallons of fuel a year which would equate to approximately 500 tons of CO<sub>2</sub> emissions avoided.

- **Electric Vehicle Charging Stations** – Electric vehicles are energy efficient, environmentally friendly and are not dependent on gasoline. Electric vehicles are limited in driving range and can take from 4 to 8 hours to recharge. ([www.fueleconomy.gov](http://www.fueleconomy.gov)) Roseville Electric supports Electric Vehicle (EV) owners in the Roseville community, and others, by maintaining 3 electric vehicle charging stations in Roseville; one in the Galleria, one on Oak Street and one in the Amtrak parking lot on Church Street. These charging stations are promoted through the Electric Vehicle Enthusiast online news site, *EV Charger News*.
- **Sustainability Plan** – The City of Roseville accepted by resolution the City of Roseville Communitywide Sustainability Action Plan on February, 1 2012. The plan establishes the City's baseline estimated total Greenhouse Gas emissions as well as targets for reducing those emissions.

Although most of these City measures do not apply directly to the Project, they are relevant to the cumulative citywide context, in which the City is actively working to reduce its own GHG emissions. Thus, project-generated GHG emissions would not conflict with, and are consistent with, the State goals listed in AB32 and policies and regulations adopted by the California Air Resources Board pursuant to AB32. This impact is considered less than significant.

#### IV. Biological Resources

Would the project:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies or		X		

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
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 or regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?		X		
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?		X		
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?			X	
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
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?			X	

#### Discussion of Checklist Answers:

The project site is primarily rolling grasslands with a single ephemeral drainage swale that traverses the property in the northern portion of the site. No trees currently exist on the site. There are several other wetland features including vernal pools, seasonal wetlands and a seasonal wetland swale on the property. A Wetland Delineation was prepared by ECORP Consulting in 2005 and a Biological Assessment (BA) was prepared in 2006 which identified these features and also detailed the effects on special status species with implementation of the project. The BA was prepared to support the application to the US Army Corps of Engineers to fill the wetland features on the site. Surveys conducted at the project site found no special status species present. On June 27, 2012 ECORP performed a special status species assessment to assess the potential for the occurrence of special status plant and wildlife species or their habitat to occur on the project site. (Attachment 2)

## Wetlands

The project involves minor grading activities that will fill wetlands on the site. The special status species surveys that were conducted did identify potential habitat was present onsite for vernal pool crustaceans. Grading activities will impact wetland features and the applicant is proposing to mitigate those impacts through the purchase of off-site wetland credits.

The City's General Plan Implementation Measures for wetland resources (pg.V-22) require avoidance as a first priority, with compensation or mitigation implemented when avoidance is not feasible. The measures also identify no net loss of wetland acreage, values, or function. The project will provide wetland mitigation as required by the US Army Corps of Engineers. With the proposed mitigation the project will not conflict with local policies regarding protection of biological resources.

Implementation of the mitigation measure (MM1) listed below by the Foothills Corporate Center grading project would ensure that permits are obtained from federal agencies and adherence to the permit would further ensure that the project will result in "no net loss" of wetlands/waters, and that discharge into the waters is regulated. Therefore, with mitigation measures, impacts to wetlands/waters and associated vernal pool/loss of associated rare plants are considered less than significant with mitigation.

**MM1: Prior to grading permit the project shall obtain an Army Corps of Engineers wetland fill or discharge "Section 404" permit. The project will be required to purchase credits in an approved wetland mitigation fund or other mitigation required by the 404 permit to ensure no net loss of wetlands.**

## Special Status Wildlife

Several special-status wildlife species are known to occur or potentially occur within the project site (Western spadefoot, Swainson's hawk, Burrowing owl, and other legally protected raptors). As was mentioned above, the applicant has previously completed a Biological Assessment and completed consultation with the United States Fish and Wildlife Service (USFWS) for the impact of a previous project on vernal pool crustaceans. This BA found that the site contained suitable habitat for these species. In addition the loss of vegetation could destroy foraging and nesting habitat for bird species. Therefore, consistent with the mitigation measure listed below, pre-construction surveys shall be conducted to confirm the presence or absence of special status wildlife. With the mitigation measure the impact is considered less than significant.

**MM2: Prior to project construction special status species surveys shall be conducted to establish the presence/absence of these species on the site. These studies shall be conducted via the appropriate federal and state protocols.**

## V. Cultural Resources

Would the project:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
a) Cause a substantial adverse			X	

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
change in the significance of a historic resource as defined in Section 15064.5?				
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?			X	
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?			X	
d) Disturb any human remains, including those interred outside of formal cemeteries?		X		

#### Discussion of Checklist Answers:

The project will involve grading activities that includes 130,000 cubic yards of balanced cut and fill earthwork. CEQA Guidelines Section 15064.5, subdivision (e), requires that excavation activities be stopped whenever potential resources are uncovered. Should human remains be found, the county coroner shall be called in to assess the remains. If the county coroner determines that the remains are those of Native Americans, the Native American Heritage Commission must be contacted within 24 hours. At that time, the lead agency must consult with the appropriate Native Americans, if any, as timely identified by the Native American Heritage Commission. Section 15064.5 directs the lead agency (or applicant), under certain circumstances, to develop an agreement with the Native Americans for the treatment and disposition of the remains. If archaeological artifacts are found, work shall cease and a qualified archaeologist shall be called in. As with archaeological artifacts, the site could contain unique types of invertebrate (marine), plant, or vertebrate fossils or other resources of paleontological value. These resources could be damaged or destroyed during site preparation. Therefore, should any fossils be discovered during excavation or grading, all work shall cease and would not be permitted to resume until a qualified paleontologist is retained to review the find, and the paleontologist's recommendation for recordation and, if appropriate, preservation of the find have been implemented. Therefore, with the following mitigation measure, the project will have a less than significant impact on cultural resources.

Implementation of the mitigation measure (MM3) listed below by the Foothills Commerce Center Grading project would ensure that should any cultural resources, such as structural features, any amount of bone or shell, artifacts, human remains, or architectural remains, be encountered during any subsurface development activities, work shall be suspended within 100-feet of the find. Therefore, with the mitigation measure, impacts to cultural resources are considered less than significant with mitigation.

**MM3: In the event of the discovery of buried paleontological, archaeological or historic deposits, project activities in the vicinity of the find shall be temporarily halted and a qualified archaeologist consulted to assess the resource and provide proper management recommendations. Possible management recommendations for important resources could include resource avoidance or data recovery excavations. If human remains are found, the Placer County Coroner's office shall be contacted immediately. The corner shall contact the Native American Heritage Commission, which shall notify the appropriate descendant.**



## VI. Geology and Soils

Would the project:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:			X	
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.)			X	
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?			X	
iv) Landslides?			X	
b) Result in substantial soil erosion or the loss of topsoil?			X	
c) Be located in a geological 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?			X	
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?			X	
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?				X

### Discussion of Checklist Answers:

a) The project will not expose people or structures to potential substantial adverse effects involving seismic shaking, ground failure or landslides.

i-iii) The project site is located in Roseville, which is within Placer County. The California Department of Mines and Geology classifies the South Placer area as a low severity earthquake zone. No active faults are known to exist within the County. The project site is considered to have low seismic risk with respect to faulting, ground shaking, seismically



related ground failure and liquefaction. Therefore, less than significant impacts would occur in association with rupture of a known earthquake fault or seismic related ground failure.

- iv) Landslides typically occur where soils on steep slopes become saturated or where natural or manmade conditions have taken away supporting structures and vegetation. The existing and proposed slopes are not steep enough to present a hazard during development or upon completion of the project. In addition, during construction, measures would be incorporated to shore slopes and prevent potential earth movement. Therefore, impacts associated with landslides are considered less than significant.

b) Grading activities require a grading permit from the Engineering Division of the Public Works Department. The grading permit will be reviewed for compliance with the City's Improvement Standards, including the provision of proper drainage, appropriate dust control and erosion control measures. Grading and erosion control measures will be incorporated into the required grading plans. A geotechnical study will also be required prior to building permit issuance to more fully address other erosion hazards. As conditioned, the project will be consistent with the City Improvement Standards. Therefore, the impacts associated with disruption, displacement, and compaction of soils associated with the development is considered less than significant.

c-d) As noted above, the project site is not located in a sensitive geologic area and does not expose people to potential geologic impacts. Additionally, such impacts are considered to be less than significant since new buildings and structures are required to comply with all applicable building codes.

e) No septic tanks are proposed as part of the project.

## VII. Hazards and Hazardous Materials

Would the project:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			X	
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?			X	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			X	
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section				X

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
65962.5 and, as a result, would it create a significant hazard to the public or the environment?				
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?				X
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing in the project area?				X
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?			X	
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?			X	

#### Discussion of Checklist Answers:

a-c) The project only involves grading activities. The project involves the use of heavy equipment that has the potential to leak or spill toxic substances such as oil, gas and radiator fluid. However the City's Improvement standards will require the contractor to have a spill prevention plan in place, should an accidental spill occur.

d) The project is not located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, and therefore would not create a significant hazard to the public or the environment.

e-f) The project site is not located within an airport land use plan or within two miles of a public or private airport or airstrip.

g) This project is located within an area currently receiving City emergency services. Fire Station 8 is located less than half a mile from the property and would be able to serve the site within the City's standard response time. The project will not increase the demand for emergency services and therefore will have a less than significant impact to the City's Emergency Response or Management Plans.

h) The project site is surrounded by existing and planned urban development. The project does not include residential development. The property owner performs annual weed abatement per the City's weed abatement ordinance. These weed control measures reduce the potential occurrence of wildfires in the vicinity of the project site.

## VIII. Hydrology and Water Quality

Would the project:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements?			X	
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there 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)?			X	
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?			X	
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?			X	
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 water?			X	
f) Otherwise substantially degrade water quality?			X	
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?				X
h) Place within a 100-year flood hazard area structures, which would impede or redirect flood flows?				X
i) Expose people or structures to a				X

<b>Environmental Issue</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?				
j) Inundation by seiche, tsunami, or mudflow?				X

#### **Discussion of Checklist Answers:**

Prior to the approval of the Improvement Plans, the developer shall prepare and submit a Storm Water Pollution Prevention Plan (SWPPP) to the City, as defined by the Regional Water Quality Control Board, to ensure that the project will not result in the release of materials that will affect water quality. The SWPP shall include, but not be limited to, best management practices (BMP's) like erosion controls with hydro-seeding and mulching, and sediment control with fiber rolls and sediment basins. Additionally a grading permit, with BMP measures for dust control, will be required before construction starts. There may be minor amounts of wind and/or water erosion associated with construction. The uniformly applied BMP standard erosion control measures will be required during construction. With implementation of a grading permit and associated best management practices to address water quality, impacts to water quality are considered less than significant.

The City evaluated the potential impacts related to increased runoff in the General Plan EIR. The General Plan EIR assumed full build-out of the site and other properties in the City and evaluated downstream flooding impacts resulting from increased surface water runoff. The General Plan EIR found that, with the implementation of City standards and programs, the potential flooding impacts would be less than significant. No new information available subsequent to certification of the General Plan EIR has called that conclusion into question. Based on the above information, the impacts associated with water quality are less than significant.

#### **IX. Land Use and Planning**

Would the project:

<b>Environmental Issue</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
a) Physically divide an established community?				X
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 effect?				X
c) Conflict with any applicable habitat conservation plan or natural community conservation				X



Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
plan?				

#### Discussion of Checklist Answers:

The majority of the site's General Plan land use designation is Light Industrial (LI); the zone district designation is also Light Industrial (M1). There is a portion of the site that has a land use and zoning designation of Neighborhood Commercial (NC). The project will include grading activities on the site. The City's General Plan does contain policies designed to avoid the loss of wetland areas. However the project will incorporate mitigation measures designed to compensate for the loss of wetlands.

There are no Habitat Conservation Plans or Natural Community Conservation Plans covering the project site. Future development of the site is expected to be in accordance with the Light Industrial land use and zoning designations for the site. The project will have no impact on land use and planning efforts.

### X. Mineral Resources

Would the project:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
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?				X
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?				X

#### Discussion of Checklist Answers:

a-b) The California Department of Geology survey lists the project site as being located within the MRZ-1 zone, indicating that significant mineral resources are not likely to be located in this area. Because the project site is not known to include any mineral resources that would be of local, regional, or statewide importance, the project is not considered to have any impacts on mineral resources.

### XI. Noise

Would the project result in:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact

<b>Environmental Issue</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
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?			X	
b) Exposure of persons to or generation of excessive ground borne vibration or ground borne noise levels?			X	
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?			X	
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?			X	
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?				X
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?				X

#### Discussion of Checklist Answers:

Short term impacts from grading activities could expose nearby tenants/landowners to increased noise levels. The closest sensitive receptors are approximately 1,700 feet from the project site. These impacts would be temporary and are considered less than significant since noise levels and construction hours are limited by the City's Municipal Code to daytime hours (7:00 a.m. to 7:00 p.m., Monday through Friday, and 8:00a.m. to 8:00 p.m., Saturday, Sunday and holidays). In addition, the City's Public Works Department requires all construction equipment to be fitted with factory installed muffling and noise attenuation equipment.

## XII. Population and Housing

Would the project:

<b>Environmental Issue</b>	<b>Potentially Significant Impact</b>	<b>Less Than Significant With Mitigation</b>	<b>Less Than Significant Impact</b>	<b>No Impact</b>
----------------------------	---------------------------------------	--	-------------------------------------	------------------

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
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)?			X	
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?				X
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?				X

#### Discussion of Checklist Answers:

The proposal is not a housing-related project, does not induce growth beyond that anticipated in the General Plan EIR and does not displace any existing housing. Therefore, there is no change from the impacts addressed in the General Plan EIR, and the impact is considered less than significant.

### XIII. Public Services

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 following public services:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
a) Fire protection?			X	
b) Police protection?			X	
c) Schools?			X	
d) Parks?			X	
e) Other public facilities?			X	

#### Discussion of Checklist Answers:

The General Plan EIR identifies and adopts mitigation for impacts to public services, including police and fire protection, wastewater services, and solid waste disposal. The proposed project will not increase the need for public services and utilities beyond that identified in the General Plan EIR, and the impact is considered less than significant.

#### XIV. Recreation

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that physical deterioration of the facility would occur or be accelerated?			X	
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?			X	

##### Discussion of Checklist Answers:

The proposed project will only involve grading activities and will not increase park usage in the area of the project. However adequate facilities are located within the project area and the project does not require any additional facilities. Therefore, the project will not impact the existing and planned park facilities.

#### XV. Transportation/Traffic

Would the project:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
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)?			X	
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads and highways?			X	
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?				X
d) Substantially increase hazards			X	



Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
due to a design features (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				
e) Result in inadequate emergency access?			X	
f) Result in inadequate parking capacity?			X	
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?			X	

#### Discussion of Checklist Answers:

The project will only involve minor grading activities and no development of the site is anticipated at this time. It is expected short term traffic impacts will be minor with grading equipment to be brought to the site from Foothills BI. Traffic and transportation impacts from the project are consistent with the impacts analyzed in the General Plan EIR, and the impact is less than significant.

## XVI. Utilities and Service Systems

Would the project:

Environmental Issue	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?				X
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?				X
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?				X
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?				X

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

**Discussion of Checklist Answers:**

The project consists of minor grading activities and will not have an impact on utilities.

**XVII. Mandatory Findings of Significance**

<b>Environmental Issue</b>	<b>Potentially Significant</b>	<b>Potentially Significant Unless Mitigated</b>	<b>Less Than Significant</b>	<b>No Impact</b>
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 eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, threatened or rare species, or eliminate important examples of the major periods of California history or prehistory?			X	
b) Does the project have impacts which 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			X	

Environmental Issue	Potentially Significant	Potentially Significant Unless Mitigated	Less Than Significant	No Impact
other current projects, and the effects of probable future projects).				
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			X	

#### Discussion of Checklist Answers:

Long term environmental goals are not impacted by the proposed project. The cumulative impacts do not deviate beyond what was contemplated by the General Plan EIR. With implementation of the proposed mitigation measures the project does not have the potential to degrade the quality of the environment, substantially reduce the habitat of any wildlife species nor create adverse effects on human beings.

#### ENVIRONMENTAL DETERMINATION:

*As shown in the checklist prepared as part of this Initial Study, City staff has not identified any impacts that are not peculiar to the parcel that cannot be mitigated to less than significant levels, whether offsite or cumulative in nature, and the City's Mitigating Policies and Standards, have been undertaken.*

On the basis of this initial evaluation:

[X] I find that the proposed project COULD, but with mitigation agreed to by the applicant clearly will not, have a significant effect on the environment and a MITIGATED NEGATIVE DECLARATION will be prepared.

Initial Study Prepared by:

  
Derek Ogden, Associate Planner  
City of Roseville Planning & Housing Department

#### Attachments:

1. Project Grading Plan
2. ECORP Summary

VICINITY MAP



**A** **Section A**



**Section B**



**C** **Section C**



**D** **Section D**

EXISTING SPECIFIC PLAN  
NEIGHBORHOOD COMMERCIAL (NC)  
LIGHT INDUSTRIAL (LI)

GAS  
PACIFIC GAS & ELECTRIC

TELEPHONE  
SUREWEST TELEPHONE

SCHOOL DISTRICT  
ROSEVILLE CITY ELEMENTARY  
SCHOOL DIST.  
ROSEVILLE HIGH SCHOOL DIST.

CITY OF ROSEVILLE  
STORM DRAINAGE  
SANITARY SEWER  
WATER  
ELECTRICITY  
PARKS & RECREATION  
FIRE PROTECTION  
POLICE PROTECTION

FIRE PROTECTION  
POLICE PROTECTION

**EARTHWORK QUANTITIES:**  
CUT: 130,000 C.Y.  
FILL: 130,000 C.Y.  
NET: 0 C.Y.

### LEGEND

EXISTING	DESCRIPTION
	STORM DRAIN PIPE & SIZE
	SANITARY SEWER PIPE & SIZE
	DOMESTIC WATER PIPE & SIZE
	FIRE PROTECTION WATER PIPE & SIZE
	NATURAL GAS PIPE & SIZE
	CATW, TEL, ELEC, OR JOINT TRENCH
	MANHOLE
	DRAIN INLET
	CLEANOUT
	VALVE
	FIRE HYDRANT
	BLOW OFF VALVE
	RIDGE OR GRADE BREAK
	FLOWLINE OF SWALE
	FENCE

## ABBREVIATIONS

AB	AGGREGATE BASE	LT	LEFT
AC	ASPHALTIC CONCRETE OR ACRE	MAX	MAXIMUM
BC	BEGIN HORIZONTAL CURVE	MH	MANHOLE
BUDG	BUILDING	MINUM	MINIMUM
BM	BENCH MARK	NTS	NOT TO SCALE
BW	BOTTOM OF WALL	OH	OVERHEAD
BSBL	BUILDING SET BACK LINE	PB	PULL BOX
C&G	CURB AND GUTTER	PCC	POINT OF COMPOUND CURVE
C.G&S	CURB, GUTTER AND SIDEWALK	PI	POINT OF INTERSECTION
CONC	CONCRETE	PI, P <sub>2</sub>	PROPERTY LINE
CO	CENTERLINE	PP	POWER POLE
C <sub>2</sub>	CLEANOUT OR COUNTRY	PRC	POINT OF REVERSE CURVE
CONST	CONSTRUCT	PT	POINT OF TANGENCY
COTG	CLEANOUT TO GRADE	PUE	PUBLIC UTILITY EASEMENT
CR	CURB RETURN	PVMT	PAVEMENT
△	INCLUDED ANGLE	R	RADIUS OR RIDGE
D	STORM DRAIN	RAD	RADIAL
D <sub>1</sub>	DRAIN INLET	RP	REDUCED PRESSURE BACKFLOW PREVENTER
DIA Ø	DIAMETER	RT	RIGHT
DIP	DUCTILE IRON PIPE	R/W	RIGHT OF WAY
DMH	STORM DRAIN MANHOLE	S	SLOPE OR SEWER
DTL	DETAIL	SD	STORM DRAIN
DWG	DRAWING	SMH	SEWER MANHOLE
DWG	DRIVEWAY	SS	SANITARY SEWER
(E) EXIST	EXISTING	STA	STATION
EP	END HORIZONTAL CURVE	STD	STANDARD
EQ	EDGE OF PAVEMENT	SW	SIDEWALK
ESMT	EASEMENT	TB	TOP OF BANK
FL, P <sub>1</sub>	FLOWLINE	TC	TOP OF CURB
G	GAS	TEL	TELEPHONE
GB	GRADE BREAK	TEMP	TEMPORARY
GFL	GUTTER FLOWLINE	TMH	TELEPHONE MANHOLE
GR	INLET GRATE	TP	TELEPHONE POLE
HGL	HYDRAULIC GRADE LINE	TRANS	TRANSITION
INTX	INTERSECTION	TS	TRAFFIC SIGNAL
INV	PIPE INVERT	TW	TOP OF WALL
IRR	IRRIGATION	TYP	TYPICAL
L	LENGTH	UG	UNDERGROUND
LSCP	EDGE OF GUTTER PAV	W	WATER
	LANDSCAPE	WS	WATER SURFACE

A horizontal graphic scale for the 100-item test. It is labeled "GRAPHIC SCALE" and has numerical markers at 00, 50, 100, and 200. The scale consists of a series of alternating black and white rectangular blocks. The first block is black and spans from 00 to 50. The second block is white and spans from 50 to 100. The third block is black and spans from 100 to 150. The fourth block is white and spans from 150 to 200.

PARCEL A  
15.04 AC.

EXISTING DRAIN  
FL=126.30

PARCEL  
25 PM 2

### PROJECT LIMITS

PARCEL 3  
25 PM 27

**PARCEL 5**

PARCEL 5  
19 PM 22

EXISTING DRAIN  
FL=131.84

EXISTING DRAIN  
FL=138.81

REVISIONS	▲							SCALE:
	▲							HORIZ. 1" = 100'
	▲							
	▲							VERT. 1" = N/A
	NO.	DESCRIPTION	APPROVED	DATE	APPROVED	DATE		

## BENCH MARK

COMPUTED	
DESIGNED	GJB
DRAWN	
PROJ. ENGR.	GJB



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ROSEVILLE

PRELIMINARY GRADING PLAN

**FOOTHILL BLVD - 60 ACRES**  
**PARCELS 5 & 6 PER PARCEL MAP, 19 PM 23**  
**FOR THE PURPOSE OF WETLAND GRADING**

CALIFORNIA

DATE	AUGUST 2012
SHEET	1
OF	1

Special-Status Species Assessment  
For  
**Foothills Corporate Center**  
Placer County, California

29 June 2012

Prepared For:  
**Coastal Partners, LLC**





## CONTENTS

## Special-Status Species Assessment

### Foothills Corporate Center

<b>INTRODUCTION .....</b>	<b>1</b>
Special-Status Species Assessment .....	3
<b>SITE CONDITIONS .....</b>	<b>4</b>
<b>RESULTS AND DISCUSSION .....</b>	<b>5</b>
Critical Habitat .....	13
<b>CONCLUSION .....</b>	<b>14</b>
<b>REFERENCES .....</b>	<b>15</b>

#### **LIST OF FIGURES**

Figure 1. Project Site and Vicinity Map.....	2
Figure 2. Wetland Delineation.....	6
Figure 3. Natural Resources Conservation Service Soil Types.....	7
Figure 4. California Natural Diversity Database (CNDDB) Occurrence Map .....	9

#### **LIST OF TABLES**

Table 1 – Potentially Occurring Special-Status Species. ....	8
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#### **LIST OF ATTACHMENTS**

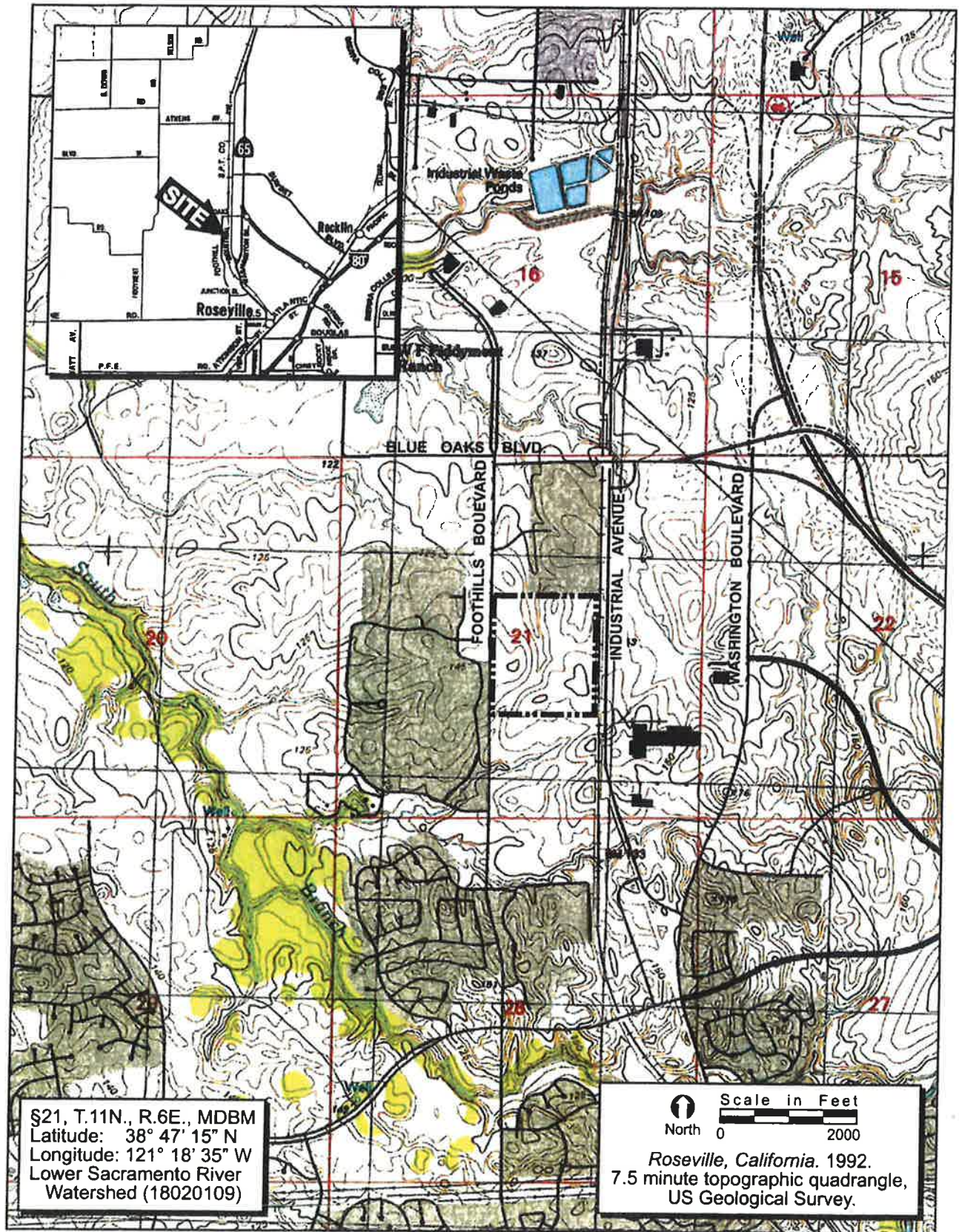
Attachment A – California Natural Diversity Database (CNDDB) Occurrences for the Roseville, California 7.5-minute Quadrangle	
Attachment B – USFWS Query of Listed Species: Roseville Quad	

## INTRODUCTION

On behalf of Coastal Partners, LLC., ECORP Consulting, Inc.(ECORP) has conducted a special-status species assessment of the 60±-acre Foothills Corporate Center site, located south of Blue Oaks Boulevard, east of Foothills Boulevard, and west of Industrial Avenue in Placer County, California (Figure 1. *Project Site and Vicinity*). The site corresponds to a portion of Section 21, Township 11 North, and Range 6 East (MDBM) of the "Roseville, California" 7.5-minute quadrangle (U.S. Department of the Interior, Geological Survey, 1992). The approximate center of the site is located at 38° 47' 15" North and 121° 18' 35" West within the Lower Sacramento River Watershed (HUC #18020109, U.S. Department of the Interior, Geological Survey, 1978).

The purpose of this special-status species assessment is to assess the potential for the occurrence of special-status plant and wildlife species or their habitat within the project site. The conclusions presented in this report are based upon previous work conducted by ECORP, and limited site reconnaissance conducted 27 June, 2012. A formal survey was performed for special-status plants in 2006 (ECORP 2006) and the results of that report are incorporated herein for reference only. Similarly, a wetland delineation was performed by ECORP Consulting Inc. in 2005 (ECORP 2005) and verified by the Army Corps of Engineers (ACOE) in 2006. The ACOE verification expired in March 2011. A Biological Assessment for federally listed species was prepared for the site and submitted to U.S. Fish and Wildlife Service (USFWS) on June 16, 2006. A subsequent Biological Opinion issued by USFWS on August 15, 2006 (USFWS 2006) determined that two species, vernal pool fairy shrimp (*Branchinecta lynchi*) and vernal pool tadpole shrimp (*Lepidurus packardii*), would likely be adversely affected by the project.





**Figure 1. Project Site and Vicinity**

Foothills Corporate Center



## Special-Status Species Assessment

For the purposes of this assessment, "special-status species" refers to those plant and animal species which:

- Are listed, proposed for listing, or candidates for future listing as threatened or endangered under the federal Endangered Species Act;
- Are listed or candidates for future listing as threatened or endangered under the California Endangered Species Act;
- Meet the definitions of endangered or rare under Section 15380 of the CEQA Guidelines;
- Are identified as a species of special concern by the California Department of Fish and Game (CDFG);
- Plants considered by the California Native Plant Society (CNPS) to be "rare, threatened, or endangered in California" (Lists 1B and 2);
- Plants listed as rare under the California Native Plant Protection Act (Fish and Game Code of California, Section 1900 et seq.); or
- Fully protected in California in accordance with the Fish and Game Code of California, Sections 3511 (birds), 4700 (mammals), 5050 (amphibians and reptiles), and 5515 (fishes).

Background information was collected on the potential existence of the special-status species within or near the project site from a variety of sources including:

- California Department of Fish and Game's Natural Diversity Database (CNDDB) record search for the "Roseville" 7.5-minute quadrangles (CDFG 2003);
- Species List for the "Roseville, California" 7.5-minute quadrangle created by the USFWS (USFWS 2012);
- *Status of Rare, Threatened, and Endangered Animal and Plants of California 2000-2004* (CDFG 2005);
- *Inventory of Rare and Endangered Vascular Plants of California* (CNPS 2001);
- *California Bird Species of Special Concern* (Shuford and Gardali 2008);

- *Amphibian and Reptile Species of Special Concern in California* (Jennings and Hayes 1994);
- *Mammalian Species of Special Concern in California* (Williams 1986);
- *California's Wildlife*, Volumes I-III (Zeiner, et al. 1988, 1990a, 1990b); and
- *A Guide to Wildlife Habitats of California* (Mayer and Laudenslayer, eds. 1988).
- *Special-status Plant Survey, Foothills Corporate Center, Placer County (ECORP 2006a)*;
- *Wetland Delineation Map, Foothills Corporate Center. ECORP Consulting, Inc. Dated March 16, 2005 (ECORP 2006b)*

The special-status species assessment included a review of resource agency species lists, tax-specific literature review, California Natural Diversity Database (CNDDB) query, previous surveys conducted for the project, and a reconnaissance-level site visit. Special-status species considered for this site are those that have a reasonable probability of occurring on-site under current conditions. This assessment does not constitute determinate field surveys conducted according to agency-approved protocols.

## **SITE CONDITIONS**

The project area is comprised of gently rolling terrain, and is situated at an elevational range of approximately 130 to 150 feet above mean sea level. The site is currently undeveloped and appears to have been historically used for agriculture and/or livestock grazing. Surrounding land uses include commercial and industrial development to the west, north and east; urban development to the southwest; and undeveloped land to the south. A railroad easement runs along the eastern edge of the property, and an electrical utility line runs along the southern edge together with a two-track access road. The site appears to be regularly mowed and/or disked.

Annual grasslands dominate the plant community throughout the site. Dominant plant species present include non-native grasses such wild oat (*Avena fatua*), medusahead grass (*Elymus caput-medusae*), ripgut brome (*Bromus diandrus*), and mannagrass (*Glyceria declinata*). Other herbaceous species frequently observed include yellow star thistle (*Centaurea solstitialis*), sticky tarweed (*Holocarpha virgata*), Spanish clover (*Lotus purshianus*), cut-leaved geranium

(*Geranium dissectum*), and turkey mullein (*Croton setigerus*). Trees observed on-site consist of a row of ornamental trees (sycamore (*Plananus* sp.) and California redwood (*Sequoia sempervirens*)), one black willow (*Salix gooddingii*), and two Fremont's cottonwoods (*Populus fremontii*) along the northern boundary. All trees appear to occur in off-site locations.

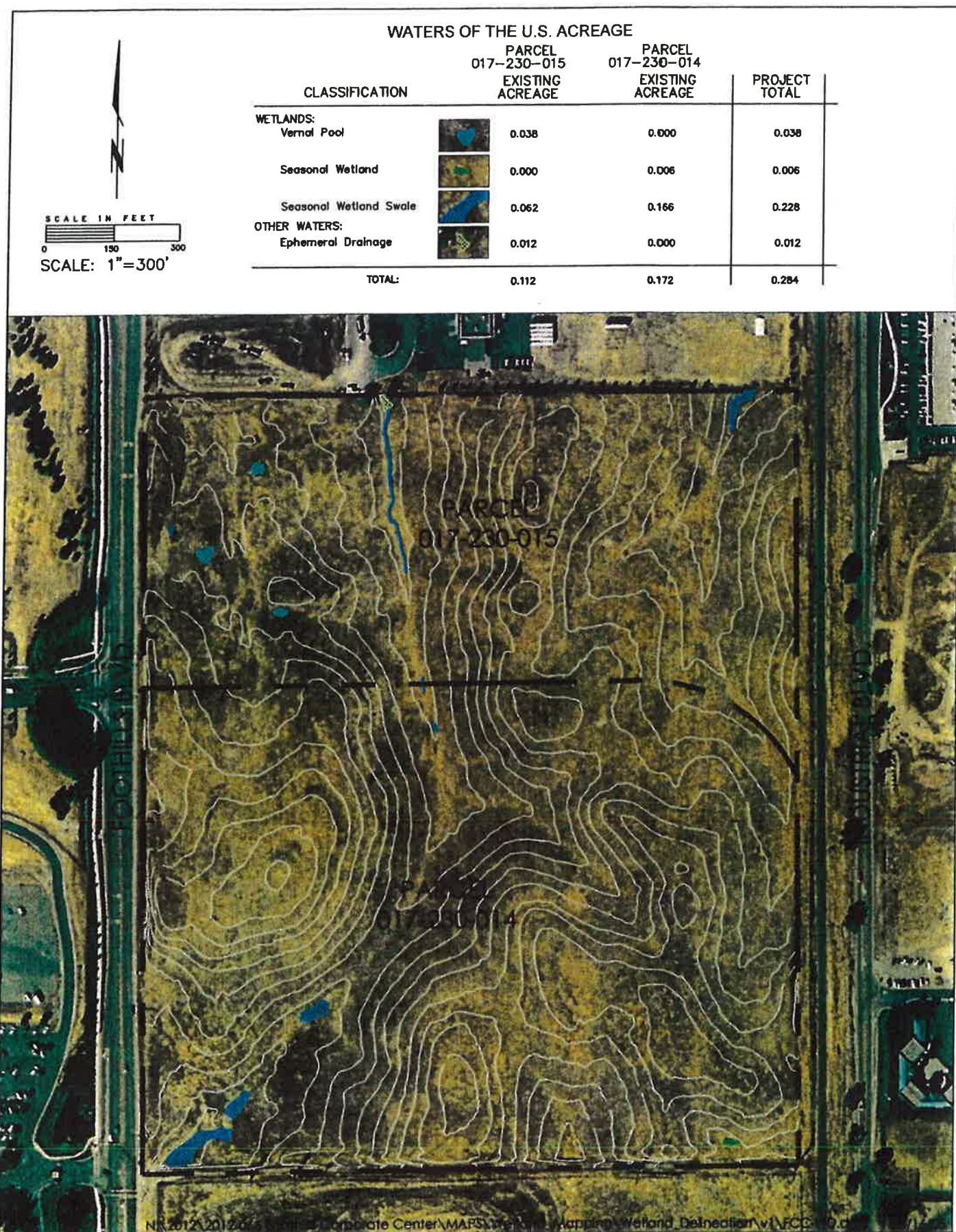
Aquatic features on-site include vernal pools, seasonal wetlands, seasonal wetland swales, and a small ephemeral drainage, comprising approximately 0.284 acre of wetlands (Figure 2. *Wetland Delineation*). Culverts drain the property at the north central boundary and in the southwest corner. According to the *Soil Survey of Placer County, California* (U.S. Department of Agriculture, Soil Conservation Service, 1980), a single soil unit has been mapped within the site (Figure 3. *Natural Resources Conservation Service Soil Types*), (141) Cometa-Fiddymont complex 1-5% slopes. This soil unit does not contain hydric components, but may contain hydric inclusions of Alamo soils in depressions.

A site reconnaissance was conducted on June 27, 2012. The wetland delineation map of the site with a color aerial photograph (1" = 300' scale) background was used for orientation during the field survey. ECORP biologist Eric Stitt walked meandering transects throughout the project area while recording on-site conditions, searching for special-status species, evidence of their presence or use of the area, and/or the occurrence of potential habitat for these species. A disced firebreak had recently been graded along the east, south, and western perimeter, and the rest of the site had recently been mowed.

## **RESULTS AND DISCUSSION**

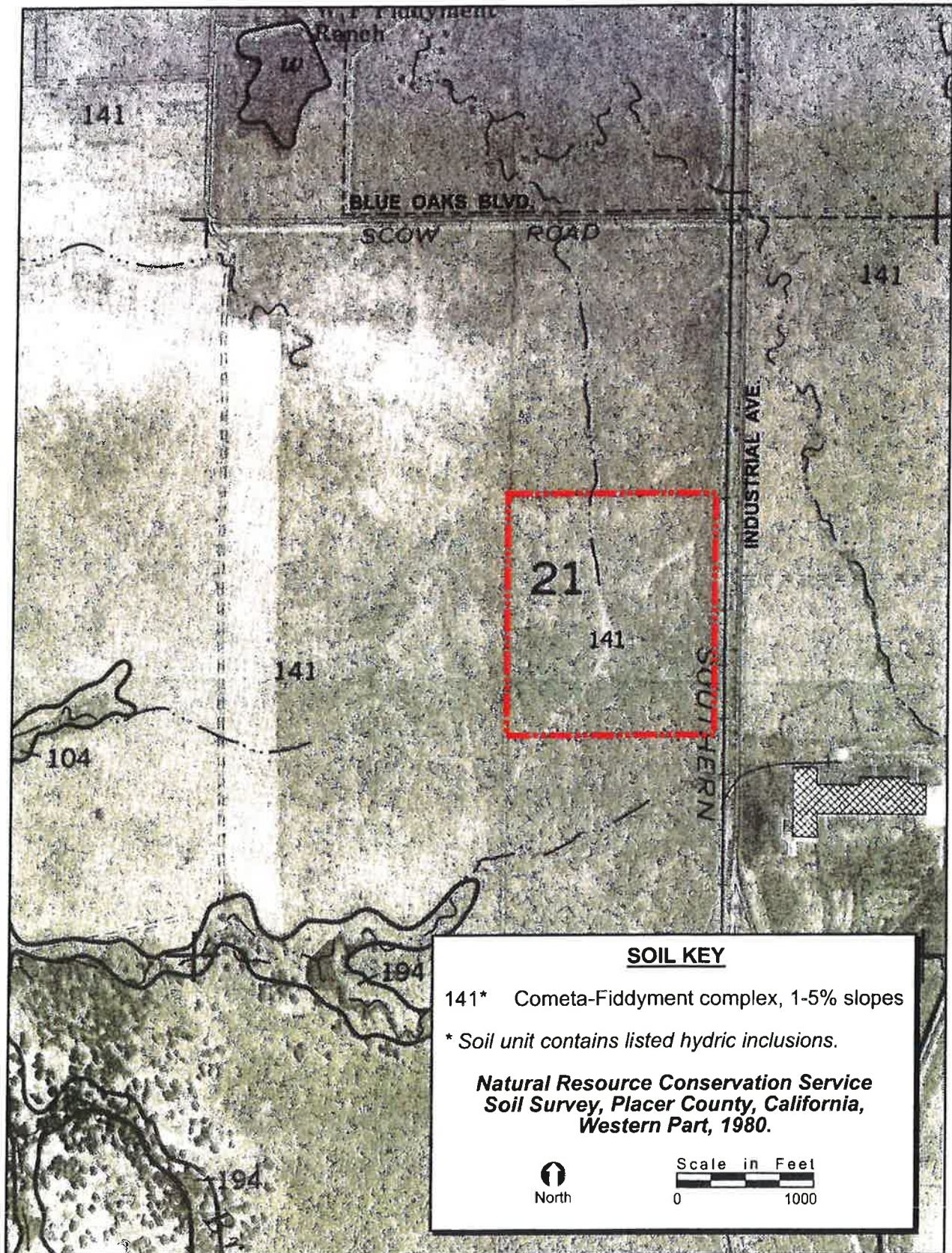
A list of potentially occurring special-status species was developed for the Foothills Corporate Center site, based on vegetation communities and current conditions observed on-site, known distribution data, and various reference sources (Table 1. Potentially Occurring Special-Status Species).





**FIGURE 2. Wetland Delineation**





**Figure 3. Natural Resource Conservation Service Soil Types**



**Table 1 - Special-Status Species with Potential to Occur On-Site: Foothills Corporate Center**

Common Name Plants	Scientific Name	Federal		California		Habitat Description	Approximate Survey Dates
		ESA Status	Other Status	ESA Status	Other Status		
Ahart's dwarf rush	<i>Juncus leiopermus</i> var. <i>ahartii</i>	*		*	1B	mesic areas in valley and foothill grassland (100' - 3300')	March-May
Big-scale balsamroot	<i>Balsamorhiza macrolepis</i> var. <i>macrolepis</i>	*		*	1B	chaparral, clomontane woodland, and valley and foothill grassland, sometimes on serpentine soils (300' - 5,000')	March-June
Boggs Lake hedge-hyssop	<i>Gratiola heterosepala</i>	*		CE	1B	clay soils in vernal pools and in marshes and swamps on lake margins (30' - 7,790')	April-August
Dwarf downingia	<i>Downingia pusilla</i>	*		*	2	vernal pools and mesic areas in valley and foothill grassland (3' - 1,460')	March-May
Hispid bird's-beak	<i>Cordylanthus mollis</i> ssp. <i>hispidus</i>	*		*	1B	alkaline meadows and seeps, playas, and valley and foothill grassland (3' - 510')	June-September
Legenere	<i>Legenere limosa</i>	*		*	1B	vernal pools (3' - 2,900')	April-June
Pincushion navarretia	<i>Navarretia myrsinifolia</i> ssp. <i>myrsinifolia</i>	*		*	1B	vernal pools, often on acidic soils (65' - 1,080')	May
Sacramento Orcutt grass	<i>Orcuttia viscida</i>	FE		CE	1B	vernal pools (100' - 3300')	April-July
Sanford's arrowhead	<i>Sagittaria sanfordii</i>	*		*	1B	assorted shallow freshwater marshes and swamps (0' - 2,130')	May-October
Slender Orcutt grass	<i>Orcuttia tenuis</i>	FT		CE	1B	vernal pools (115' - 5,775')	May-September
<b>Invertebrates</b>							
Conservancy fairy shrimp	<i>Branchinecta conservatio</i>	FE		*	*	vernal pools/wetlands	November-April
Vernal pool fairy shrimp	<i>Branchinecta lynchi</i>	FT		*	*	vernal pools/wetlands	November-April
Vernal pool tadpole shrimp	<i>Lepidurus packardii</i>	FE		*	*	vernal pools/wetlands	November-April
California lindenella	<i>Linderella occidentalis</i>	*		*	CNDB	vernal pools/wetlands	November-April
<b>Amphibians</b>							
Western spadefoot toad	<i>Spea hammondi</i>	*		*	CSC	vernal pools, wetlands/adjacent grassland	March-May
<b>Birds</b>							
White-tailed kite (nesting)	<i>Elanus leucurus</i>	*		*	CFP	woodland, grassland	March-June
Cooper's hawk (nesting)	<i>Accipiter cooperii</i>	*		*	CNDB	woodland	April-July
Northern harrier (nesting)	<i>Circus cyaneus</i>	*		*	CSC	marsh, grassland	April-September
Swainson's hawk (nesting)	<i>Buteo swainsoni</i>	*		CT	BCC	grassland, riparian	March-August
Ferruginous hawk (wintering)	<i>Buteo regalis</i>	*		*	CNDB	grassland	November-February
Golden eagle (nesting and wintering)	<i>Aquila chrysaetos</i>	*		*	BCC, CFP	grassland	nest (February-August); winter CV (October-February)
Merlin (wintering)	<i>Falco columbarius</i>	*		*	CNDB	woodland, grassland	September-April
Burrowing owl (burrow sites)	<i>Athene cunicularia</i>	*		*	BCC, CSC	grassland	February-August
Loggerhead shrike	<i>Lanius ludovicianus</i>	*		*	BCC, CSC	grassland, woodland	March-July

**Status Codes:**

- FE - Federal ESA listed, Endangered.
- FT - Federal ESA listed, Threatened.
- PFE - Formerly proposed for Federal ESA listing as Endangered.
- PFT - Formerly proposed for Federal ESA listing as Threatened.
- FPD - Listed under Federal ESA, but formally proposed for delisting.
- Fd - Formerly delisted (delisted species are monitored for 5 years).
- FC - Candidate for Federal ESA listing as Threatened or Endangered.
- NMFS - NOAA/NMFS species of concern.
- BCC - U. S. Fish and Wildlife Service Bird of Conservation Concern (USFWS, 2002).
- CE - California ESA or Native Plant Protection Act listed, Endangered.
- CT - California ESA or Native Plant Protection Act listed, Threatened.
- CR - California ESA or Native Plant Protection Act listed, Rare.
- CC - Candidate for California ESA listing as Endangered or Threatened.
- CFP - Fish and Game Code of California Fully Protected Species (§3511-birds, §4700-mammals, §5050-reptiles/amphibians).
- CSC - California Department of Fish and Game Species of Special Concern (CDFG, updated August 2004).
- 1A - California Native Plant Society/Presumed extinct.
- 1B - California Native Plant Society/Rare or Endangered in California and elsewhere.
- 2 - California Native Plant Society/Rare or Endangered in California, more common elsewhere.
- 4 - California Native Plant Society/Plants of Limited Distribution.
- CNDB - Species that is tracked by CDFG's Natural Diversity Database but does not have any of the above special-status designations otherwise.





There are no previously documented occurrences of special-status species within the project site (CDFG 2003). However, several special-status species have been documented within 10 miles of the project site (Figure 4, Attachment A). Ten special-status plant species have the potential to occur (Table 1). Big-scale balsamroot (*Balsamorhiza macrolepis* var. *macrolepis*), hispid bird's beak (*Cordylanthus mollis* ssp. *hispidus*), dwarf downingia (*Downingia pusilla*), Boggs Lake hedge-hyssop (*Gratiola heterosepala*), Ahart's dwarf rush (*Juncus leiospermus* var. *ahartii*), legenere (*Legenere limosa*), pincushion navarretia (*Navarretia myersii* ssp. *myersii*),

slender Orcutt grass (*Orcuttia tenuis*), Sacramento Orcutt grass (*Orcuttia viscida*), and Sanford's arrowhead (*Sagittaria sanfordii*) are rare plants of valley and foothill grasslands, most of which occur in vernal pools and other ephemeral wetlands. Big-scale balsamroot (a CNPS List 1B species) and dwarf downingia (CNPS List 2 species) have been documented from sites within one mile of the proposed project, and big-scale balsamroot, Boggs Lake hedge-hyssop, hispid bird's beak, and legenere have been found within five miles of the project. No rare plants were observed during May and June 2006 protocol-level rare plant surveys (ECORP 2006).

Two federally listed branchiopod species, vernal pool tadpole shrimp (*Lepidurus packardii*-federally endangered) and vernal pool fairy shrimp (*Branchinecta lynchi*-federally threatened), have been documented from vernal pools within five miles of the site, and California linderiella (*Linderiella occidentalis*, tracked by CDFG in their CNDDDB but which has no regulatory status), has also been reported from the nearby vicinity. There are three records for vernal pool fairy shrimp from within one mile of the proposed project site and one record for the federally endangered vernal pool tadpole shrimp from 1.2 miles southwest of the site. Determinate-level field surveys conducted according to the *Interim Survey Guidelines to Permittees for Recovery Permits Under Section 10(a)(1)(A) of the Endangered Species Act for the Listed Vernal Pool Branchiopods* (USFWS 1996a) would be necessary to establish the presence/absence of vernal pool branchiopods on-site. Previously, a Section 404 permit was obtained and consultation with USFWS was completed, resulting in a Biological Opinion for the project. However, the permits have expired and a new Nationwide permit will need to be obtained.

Five records exist for valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*-federally threatened) within 10 miles of the project boundaries. However, elderberry shrubs (*Sambucus mexicanus*), the obligate host tree for this species, do not presently occur on the project site, and the elderberry longhorn beetle is considered highly unlikely due to the absence of suitable habitat.

Among amphibians, there are four documented occurrences of western spadefoot toad (*Spea hammondi*), considered a species of special concern by CDFG, within five miles of the site. Western spadefoots are a vernal-pool breeding amphibian which generally uses longer-duration pools and ephemeral drainages in which to breed. Suitable habitat does not appear to be present on-site, although the Lead Agency may request surveys to verify their absence.

Numerous special-status birds have been documented from near the project site. The lack of trees and permanent water, combined with the industrial/commercial nature of surrounding lands, render the site unsuitable for nesting by most bird species. Ornamental trees along the north edge may provide nesting habitat for birds such as Cooper's hawk (*Accipiter cooperii*), white-tailed kite (*Elanus leucurus*), and loggerhead shrike (*Lanius ludovicianus*). Northern harrier (*Circus cyaneus*) may nest in the grassland community on-site. Further, the site may provide foraging habitat for the state-threatened Swainson's hawk (*Buteo swainsoni*), and as such, may require mitigation by CDFG. Other potentially occurring special-status birds include wintering species, such as ferruginous hawk (*Buteo regalis*), golden eagle (*Aquila chrysaetos*), and merlin (*Falco columbarius*).

The open, rolling topography on-site favors western burrowing owls (*Athene cunicularia*-California species of special concern, USFWS bird of conservation concern), which is a ground nesting owl that tends to inhabit edge areas in grasslands and disturbed areas, particularly (but not exclusively) where California ground squirrels (*Otospermophilus beecheyi*) are common. Two CNDDDB records exist for this species within five miles of the site, but no sign of burrowing owls or California ground squirrels were noted during the site visit. Burrowing owls are not listed or protected under either the State or Federal Endangered Species Acts, but the species is considered during the CEQA review process. Determinate-level field surveys conducted

according to the *Staff Report on Burrowing Owl Mitigation* (CDFG 2012) would be necessary to establish the presence/absence of burrowing owls on-site.

It is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by California Fish and Game Code (Code) § 3503. In addition, all raptors or birds of prey (owls, hawks, falcons) including common species, and their nests, are protected from take pursuant to §3503.5 of the Code. In accordance with this code, it is unlawful to take, possess, or destroy any birds in the order Falconiformes or Strigiformes or to take, possess, or destroy the nest or eggs of any such birds.

Take of ground- or tree-nesting birds can be avoided through timing construction activities to avoid the nesting season or by conducting pre-construction surveys and implementing appropriate avoidance measures in the event an active nest is located. If construction or tree removal is to occur between February 1 and August 31, a qualified biologist shall conduct pre-construction nesting bird surveys or all potential nest sites within a 500 foot (150 meter) radius of the project site. Surveys shall be conducted no more than 14 days prior to the initiation of construction activities. If an active nest is found, a no-disturbance buffer zone is typically established around the nest. The size of the buffer shall be determined through consultation with the appropriate resource agencies (e.g., CDFG). The no-disturbance buffer zone is maintained until it is determined that the young have fledged. If a nest tree must be removed, the removal shall occur outside of the nesting season (February through August), or after a qualified biologist verifies that the nest is unoccupied and the young have fledged.

Other special-status birds reported from within 10 miles of the site have specific habitat requirements that are not met on-site. There are no special status mammals that are considered likely to occur on the project.

## **Critical Habitat**

The site is not situated within designated or proposed Critical Habitat by the USFWS for any listed species. The nearest designated critical habitat is approximately 6.5 miles to the north, and has been designated critical habitat for USFWS-listed vernal pool branchiopods (critical habitat unit 11C; Figure 4).

## CONCLUSION

ECORP Consulting, Inc. conducted a special-status species assessment for the Foothills Corporate Center site in Placer County, California. Based upon plant communities, habitats, current site conditions, and nearby records there are several special-status species with potential to use the site. Vernal pools and seasonal wetlands may provide habitat for special status plants and/or freshwater branchiopods. Prior special-status plant surveys conducted in 2006 failed to document any special-status plants on-site. Determinate-level field surveys conducted according to the *Interim Survey Guidelines to Permittees for Recovery Permits Under Section 10(a)(1)(A) of the Endangered Species Act for the Listed Vernal Pool Branchiopods* (USFWS 1996a) would be necessary to establish the presence/absence of vernal pool branchiopods on-site. It is potential but unlikely that western spadefoots occur on-site. The Lead Agency may require a habitat assessment and/or survey to fulfill CEQA obligations.

Ornamental trees along the north edge and grasslands throughout the site may provide nesting habitat for birds. It is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by California Fish and Game Code (Code) § 3503. In addition, all raptors or birds of prey (owls, hawks falcons) including common species, and their nests, are protected from take pursuant to §3503.5 of the Code. Take of nesting birds can be avoided through timing construction activities to avoid the nesting season or by conducting pre-construction surveys with a qualified avian ecologist, and implementing appropriate avoidance measures in the event an active nest is located. The site may provide foraging habitat for the state-threatened Swainson's hawk (*Buteo swainsoni*), and as such, may require mitigation by CDFG. The open, rolling topography on-site favors western burrowing owls. Determinate-level field surveys conducted according to the *Staff Report on Burrowing Owl Mitigation* (CDFG 2012) would be necessary to establish the presence/absence of burrowing owls on-site.

## REFERENCES

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- U. S. Fish and Wildlife Service (USFWS). 2006. Biological Opinion for the Foothills Corporate Center, August 15, 2006.



## **LIST OF ATTACHMENTS**

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Attachment A – California Natural Diversity Database Occurrences for the Roseville,  
California 7.5-minute Quadrangle

Attachment B – USFWS Query of Listed Species: Roseville Quad

## **ATTACHMENT A**

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California Natural Diversity Database Plant Occurrences for the Roseville, California 7.5-minute Quadrangle

***Agelaius tricolor***

tricolored blackbird

Element Code: ABPBXB0020

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2G3

CDFG Status: SC

State: None

State: S2

Habitat Associations

**General:** HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

**Micro:** REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

Occurrence No. 242

Map Index: 23971

EO Index: 4277

Dates Last Seen

Occ Rank: Excellent

Element: 2000-04-22

Origin: Natural/Native occurrence

Site: 2000-04-22

Presence: Presumed Extant

Record Last Updated: 2004-05-06

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.86043° / -121.31575°

Township: 12N

UTM: Zone-10 N4302636 E646132

Range: 06E

Area: 4.2 acres

Mapping Precision: SPECIFIC

Section: 28

Qtr: SW

Elevation: 125 ft

Symbol Type: POLYGON

Meridian: M

**Location:** WEST OF INDUSTRIAL BLVD, 1 MILE SOUTHWEST OF LINCOLN RODEO GROUNDS.

**Ecological:** NESTING SUBSTRATE CONSISTS OF SCIRPUS ACUTUS (BULRUSH) GROWING IN A SHALLOW FARM POND.

**Threat:** THREATENED BY FUTURE DEVELOPMENT.

**General:** 25 ADULTS OBSERVED NESTING IN JULY 1992. ~1000 BIRDS OBSERVED NESTING DURING 20-30 APRIL 1994. EST OF 5000 (3:2 RATIO OF M:F) NESTING IN BULRUSHES ON 22 APR 2000. ABOUT 4000 FORAGING IN GRASSLAND 0.2 - 0.5 MI AWAY.

Owner/Manager: UNKNOWN

**Alkali Meadow**

Element Code: CTT45310CA

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_  
Federal: None Global: G3  
State: None State: S2.1

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

General:

Micro:

Occurrence No. 1

Map Index: 11773

EO Index: 22568

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 1982-08-23

Origin: Natural/Native occurrence

Site: 1982-08-23

Presence: Presumed Extant

Record Last Updated: 1998-07-15

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.81323° / -121.25662°

Township: 11N

UTM: Zone-10 N4297494 E651363

Range: 06E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 12

Qtr: S

Elevation: 150 ft

Symbol TypePOINT

Meridian: M

Location: NORTH OF ROSEVILLE ON HWY 65, EAST ON PLACER BLVD, EAST ON PRIVATE DIRT ROAD.

Ecological: LOW DISTICHLIS MEADOWS W/PATCHES OF BARE WHITE SALT ENCRUSTED SOIL. OCCURS BETWEEN SEEPS DOMINATED BY OLNEY BULLRUSH. MOSAIC OF DIFF COVER TYPES. SPECIES LIST ON FILE AT CNDDB.

Threat: GRAZED IN WINTER. DEVEL PLANNED FOR THE AREA.

General: SEE [WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL\\_COMM\\_BACKGROUND.ASP](http://WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN

**Alkali Seep**

Status		NDDB Element Ranks	Element Code: CTT45320CA	Other Lists
Federal: None		Global: G3		
State: None		State: S2.1		
Habitat Associations				
General:				
Micro:				

Occurrence No. 2	Map Index: 11773	EO Index: 13316	Dates Last Seen
Occ Rank: Unknown			Element: 1982-08-23
Origin: Natural/Native occurrence			Site: 1989-04-19
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-07-20

Quad Summary: Roseville (3812173/528D)  
County Summary: Placer

Lat/Long: 38.81323° / -121.25662°	Township: 11N
UTM: Zone-10 N4297494 E651363	Range: 06E
Radius: 1/5 mile	Section: 12
Elevation: 150 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: S
Symbol Type: POINT	

Location: 0.5 MILE EAST OF PLEASANT GROVE CREEK, APPROX 2.5 MILES NORTH OF ROCKLIN. ACCESS VIA HWY 65.

Ecological: SEEPS AND OLNEY BULLRUSH DOM. OCCURS IN PATCHES W/ALKALI MEADOW BTWN A HOMOGENEOUS STAND OF VEG APPROX 1 M TALL. FRESHWATER SEEP OCCURS ABOVE ALKALINE-SEEP. FILL HAS BEEN ILLEGALLY DISCHARGED INTO SITE AS OF 1989.

Threat: GRAZED IN WINTER. DEVELOPMENT PLANS FOR SITE.

General: ARMY CORPS INVOLVED IN RESTORATION AND MITIGATION. SEE  
[WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL\\_COMM\\_BACKGROUND.ASP](http://WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN

***Ammodramus savannarum***

grasshopper sparrow

\_\_\_\_\_ **Status** \_\_\_\_\_

Federal: None

State: None

\_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_

Global: G5

State: S2

\_\_\_\_\_ **Element Code:** ABPBXA0020 \_\_\_\_\_

\_\_\_\_\_ **Other Lists** \_\_\_\_\_

CDFG Status: SC

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** DENSE GRASSLANDS ON ROLLING HILLS, LOWLAND PLAINS, IN VALLEYS & ON HILLSIDES ON LOWER MOUNTAIN SLOPES.

**Micro:** FAVORS NATIVE GRASSLANDS WITH A MIX OF GRASSES, FORBS & SCATTERED SHRUBS. LOOSELY COLONIAL WHEN NESTING.

**Occurrence No.** 8

**Map Index:** 69480

**EO Index:** 70259

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Good

**Origin:** Natural/Native occurrence

**Presence:** Presumed Extant

**Trend:** Unknown

**Element:** 1998-05-08

**Site:** 1998-05-08

**Record Last Updated:** 2007-06-12

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.86479° / -121.28821°

**UTM:** Zone-10 N4303165 E648512

**Radius:** 80 meters

**Elevation:** 155 ft

**Township:** 12N

**Range:** 06E

**Section:** 27

**Meridian:** M

**Qtr:** NE

**Mapping Precision:** SPECIFIC

**Symbol Type:** POINT

**Location:** 0.6 MILE ESE OF THE LINCOLN RODEO GROUNDS, EAST OF HIGHWAY 65, SOUTH OF LINCOLN.

**Location Detail:** SITE IS LOCATED ON A VERNAL POOL PRESERVE; DEVELOPMENT TO SURROUND PRESERVE.

**Ecological:** HABITAT CONSISTS OF ROLLING VERNAL POOL GRASSLAND.

**Threat:** THREATENED BY LOSS OF AREA AND HIGH PROBABILITY OF INVASION BY STAR THISTLE AND OTHER WEEDY PLANTS (BY LOSS OF GRAZING).

**General:** 1 ADULT OBSERVED ON 8 MAY 1998; LIKELY BREEDING AREA.

**Owner/Manager:** UNKNOWN



***Andrena subapasta***

A vernal pool andrenid bee

Element Code: IIHYM35050

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G1G3

CDFG Status:

State: None

State: S1S3

**Habitat Associations**

**General:** COLLECTS POLLEN PRIMARILY FROM ARENARIA CALIFORNICA BUT ALSO ORTHOCARPUS ERIANTHUS & LASTHENIA SP.

**Micro:** NESTS IN UPLANDS NEAR VERNAL POOLS.

Occurrence No. 3

Map Index: 59353

EO Index: 59389

Dates Last Seen

Occ Rank: Unknown

Element: 19XX-XX-XX

Origin: Natural/Native occurrence

Site: 19XX-XX-XX

Presence: Presumed Extant

Record Last Updated: 2005-01-14

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D), Citrus Heights (3812163/512A)

**County Summary:** Placer

**Lat/Long:** 38.74985° / -121.28555°

**Township:** 10N

**UTM:** Zone-10 N4290414 E648982

**Range:** 06E

**Radius:** 1 mile

**Mapping Precision:** NON-SPECIFIC

**Section:** 02

**Qtr:** XX

**Elevation:** 160 ft

**Symbol Type:** POINT

**Meridian:** M

**Location:** ROSEVILLE.

**Location Detail:** RECORD DATES FROM NO LATER THAN LATE 1960S, SO OLDER AREA OF ROSEVILLE MAPPED.

**Ecological:** FEMALES OF THIS SPECIES COLLECT POLLEN PRIMARILY FROM ARENARIA, BUT ALSO ORTHOCARPUS ERIANTHUS AND LASTHENIA SP.

**General:** AN UNKNOWN NUMBER OF FEMALES COLLECTED, DATE UNKNOWN.

**Owner/Manager:** UNKNOWN

***Andrena subapasta***

A vernal pool andrenid bee

Element Code: IIHYM35050

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G1G3

CDFG Status:

State: None

State: S1S3

Habitat Associations

General: COLLECTS POLLEN PRIMARILY FROM ARENARIA CALIFORNICA BUT ALSO ORTHOCARPUS ERIANTHUS & LASTHENIA SP.

Micro: NESTS IN UPLANDS NEAR VERNAL POOLS.

Occurrence No. 3

Map Index: 59353

EO Index: 59389

Dates Last Seen

Occ Rank: Unknown

Element: 19XX-XX-XX

Origin: Natural/Native occurrence

Site: 19XX-XX-XX

Presence: Presumed Extant

Record Last Updated: 2005-01-14

Trend: Unknown

Quad Summary: Roseville (3812173/528D), Citrus Heights (3812163/512A)

County Summary: Placer

Lat/Long: 38.74985° / -121.28555°

Township: 10N

UTM: Zone-10 N4290414 E648982

Range: 06E

Radius: 1 mile

Mapping PrecisionNON-SPECIFIC

Section: 02

Qtr: XX

Elevation: 160 ft

Symbol TypePOINT

Meridian: M

Location: ROSEVILLE.

Location Detail: RECORD DATES FROM NO LATER THAN LATE 1960S, SO OLDER AREA OF ROSEVILLE MAPPED.

Ecological: FEMALES OF THIS SPECIES COLLECT POLLEN PRIMARILY FROM ARENARIA, BUT ALSO ORTHOCARPUS ERIANTHUS AND LASTHENIA SP.

General: AN UNKNOWN NUMBER OF FEMALES COLLECTED, DATE UNKNOWN.

Owner/Manager: UNKNOWN

***Athene cunicularia***

burrowing owl

Element Code: ABNSB10010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G4

CDFG Status: SC

State: None

State: S2

Habitat Associations

General: OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 339

Map Index: 42028

EO Index: 42028

Dates Last Seen

Occ Rank: Good

Element: 1998-05-08

Origin: Natural/Native occurrence

Site: 2003-05-05

Presence: Presumed Extant

Record Last Updated: 2003-08-21

Trend: Unknown

Quad Summary: Roseville (3812173/528D), Pleasant Grove (3812174/528C)

County Summary: Placer

Lat/Long: 38.78190° / -121.37308°

UTM: Zone-10 N4293831 E641313

Area:

Mapping PrecisionNON-SPECIFIC

Township: 11N

Range: 05E

Section: 24

Qtr: XX

Elevation: 100 ft

Symbol TypePOLYGON

Meridian: M

Location: NORTH SIDE OF PHILIP ROAD, APPROXIMATELY 0.75 MILE WEST OF FIDDYMENT ROAD, NW OF ROSEVILLE.

Ecological: HABITAT CONSISTS OF MODERATELY-GRAZED, ROLLING GRASSLAND, WITH NO EVIDENCE OF HISTORIC SOIL DISTURBANCE. SITE WOULD BE BETTER IF MORE BURROWS WERE PRESENT; HARD SOILS AND LACK OF GROUND SQUIRRELS MAY BE THE CAUSE.

Threat: THREATS INCLUDE POSSIBLE FUTURE DEVELOPMENT OR LOSS OF GRAZERS.

General: OWLS (NEVER MORE THAN 2) OBSERVED YEAR-ROUND DURING 1998. HABITAT APPEARS EXTANT, BUT NO OWLS WERE OBSERVED ON 5 MAY 2003 - DATE OF SITE VISIT LIKELY TO EARLY.

Owner/Manager: PVT

Occurrence No. 1177

Map Index: 71623

EO Index: 72527

Dates Last Seen

Occ Rank: Good

Element: 2008-02-18

Origin: Natural/Native occurrence

Site: 2008-02-18

Presence: Presumed Extant

Record Last Updated: 2008-07-01

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.84685° / -121.35702°

UTM: Zone-10 N4301064 E642578

Radius: 80 meters

Mapping PrecisionSPECIFIC

Township: 12N

Range: 06E

Section: 31

Qtr: XX

Elevation: 110 ft

Symbol TypePOINT

Meridian: M

Location: 250 FT NORTH OF EAST CATLETT RD, 0.4 MI WEST OF FIDDYMENT RD, SW OF LINCOLN.

Location Detail: LOCATED ON MOORE RANCH WETLAND RESTORATION PROJECT PROPERTY.

Ecological: HABITAT CONSISTS OF MIXED NATIVE AND NON-NATIVE GRASSLAND, WHICH IS WITHIN A VERNAL POOL RESTORATION PROJECT AREA. SURROUNDED BY GRAZED AND UNGRAZED PASTURES.

Threat: THREATENED BY ENCROACHING URBAN DEVELOPMENT FROM BOTH LINCOLN & ROSEVILLE.

General: 1 ADULT OBSERVED AT BURROW SITE ON 30 JAN, 1 FEB AND 18 FEB 2008. GULLS ATTRACTED BY NEARBY WASTEWATER & GARBAGE COLLECTION FACILITIES COULD POSSIBLY PREY UPON BUOW CHICKS IF NESTING OCCURS.

Owner/Manager: MOORE RANCH CONSERVANCY

***Balsamorhiza macrolepis* var. *macrolepis***

big-scale balsamroot

Element Code: PDAST11061

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3G4T2

CNPS List: 1B.2

State: None

State: S2

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.

Micro: SOMETIMES ON SERPENTINE. 35-1000M.

Occurrence No. 9

Map Index: 32045

EO Index: 3757

Dates Last Seen

Occ Rank: Unknown

Element: 1958-07-07

Origin: Natural/Native occurrence

Site: 1958-07-07

Presence: Presumed Extant

Record Last Updated: 2011-07-26

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.79393° / -121.30792°

Township: 11N

UTM: Zone-10 N4295269 E646948

Range: 06E

Area: 98.3 acres

Mapping PrecisionSPECIFIC

Section: 21

Qtr: XX

Elevation: 125 ft

Symbol TypePOLYGON

Meridian: M

Location: UNCULTIVATED STRIP ALONG RAILROAD AND US HIGHWAY 99E, 3.2 MILES NORTH OF ROSEVILLE.

Location Detail:US HWY 99E WAS REPLACED BY CA HWY 65. HWY 65 WAS BUILT PARALLEL TO THE ROUTE OF HWY 99E, ABOUT 0.4 MILE EAST OF THE RAILROAD. MAPPED BY CNDDDB NON-SPECIFICALLY ALONG INDUSTRIAL AVE AND THE RAILROAD TRACKS AS A BEST GUESS.

Ecological: OPEN VALLEY PLAIN.

Threat: MUCH OF THIS AREA HAS BEEN DEVELOPED SINCE THE COLLECTIONS WERE MADE.

General: MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1957 CRAMPTON COLLECTION FROM 3.2 MILES NORTH OF ROSEVILLE ALONG HWY 99E. 1958 FULLER COLLECTIONS FROM 2 MILES NORTH OF ROSEVILLE ALONG HWY 99E ALSO ATTRIBUTED HERE. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

***Branchinecta lynchi***

vernal pool fairy shrimp

Element Code: ICBRA03030

Status  
Federal: Threatened  
State: None

NDDB Element Ranks  
Global: G3  
State: S2S3

Other Lists  
CDFG Status:

**Habitat Associations**

**General:** ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.  
**Micro:** INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 29

Map Index: 33250

EO Index: 2571

Dates Last Seen

Occ Rank: Good  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 1994-12-28  
Site: 1994-12-28

Record Last Updated: 1996-02-23

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.86173° / -121.29715°  
UTM: Zone-10 N4302810 E647744  
Radius: 80 meters  
Elevation: 140 ft

Mapping Precision: SPECIFIC  
Symbol Type: POINT

Township: 12N  
Range: 06E  
Section: 27  
Meridian: M  
Qtr: NW

**Location:** EAST SIDE OF HWY 65, 0.4 MILE SOUTH OF THE LINCOLN RODEO GROUNDS, 2 MILES SOUTH OF LINCOLN.

**Ecological:** HABITAT CONSISTS OF VERNAL POOLS IN ROLLING GRASSLAND.

**Threat:** THREATENED BY PROPOSED DEVELOPMENT.

**General:** MANY SHRIMP OBSERVED/COLLECTED (DEPOSITED AT CAS) ON 28 DECEMBER 1994.

**Owner/Manager:** PVT

Occurrence No. 30

Map Index: 33251

EO Index: 2570

Dates Last Seen

Occ Rank: Good  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 1994-12-28  
Site: 1994-12-28

Record Last Updated: 1995-06-30

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.84669° / -121.26971°  
UTM: Zone-10 N4301186 E650156  
Radius: 80 meters  
Elevation: 195 ft

Mapping Precision: SPECIFIC  
Symbol Type: POINT

Township: 12N  
Range: 06E  
Section: 35  
Meridian: M  
Qtr: NE

**Location:** 2 MILES SE OF THE LINCOLN RODEO GROUNDS, ~3 MILES SSE OF LINCOLN.

**Ecological:** HABITAT CONSISTS OF VERNAL POOLS WITHIN ROLLING GRASSLAND.

**Threat:** THREATENED BY PROPOSED DEVELOPMENT.

**General:** MANY SHRIMP OBSERVED/COLLECTED (DEPOSITED AT CAS) ON 28 DECEMBER 1994.

**Owner/Manager:** PVT

Occurrence No. 41

Map Index: 32449

EO Index: 1022

Dates Last Seen

Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 2003-01-29  
Site: 2005-01-21

Record Last Updated: 2005-10-18

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.78926° / -121.29294°  
UTM: Zone-10 N4294775 E648259  
Area: 12.9 acres  
Elevation: 150 ft

Mapping Precision: SPECIFIC  
Symbol Type: POLYGON

Township: 11N  
Range: 06E  
Section: 22  
Meridian: M  
Qtr: XX

**Location:** 0.8 KM E OF HWY 65; 1.5 MILES SSW OF INTERSECTION PLEASANT GROVE CREEK AND PLACER BLVD/SUNSET BLVD; N OF ROSEVILLE.

**Location Detail:** HIGHLAND RESERVE SOUTH; POOL NUMBERS N10, N42, N8, NA & NB. THE ECORP 2000 SURVEY LAT/LONG GIVEN ARE NOT AT THE LOCATION THEY MAPPED; REPORT HAS TEMP, DEPTH, & SURFACE AREA OF POOLS. NONE OBSERVED IN THE POOLS SURVEYED DURING 2005.

**Ecological:** CONSTRUCTED & HISTORIC VERNAL POOLS WITHIN A NON-NATIVE ANNUAL GRASSLAND; WETLAND COMPENSATION/MITIGATION PRESERVE. 2/6/95: POOL HAD SURFACE AREA OF 94 SQUARE METERS & DEPTH OF 17 CM. SURROUNDING AREA COMPRISED OF URBAN/DEVELOPMENT.

**General:** POOL #NB: 50+ ADULTS OBS, 1995; 1 ADULT COLL. & DEP. IN CAS. 10'S OBS IN 2000, POOL #VPN10; LINDERIELLA OCCIDENTALIS IN 2 POOLS NOT IDENT IN PRESERVE. 100'S IN POOLS NA, N8, N42 4 JAN 2002. 100'S IN POOL NA 29 JAN 2003. NOT PRESENT JAN 2005

**Owner/Manager:** PVT-ROSEVILLE PROPERTIES



***Branchinecta lynchi***

vernal pool fairy shrimp

Element Code: ICBRA03030

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G3

CDFG Status:

State: None

State: S2S3

Habitat Associations

General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.

Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 42

Map Index: 47451

EO Index: 17819

Dates Last Seen

Occ Rank: Fair

Element: 2001-02-16

Origin: Natural/Native occurrence

Site: 2005-01-21

Presence: Presumed Extant

Record Last Updated: 2011-07-08

Trend: Fluctuating

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.77346° / -121.28207°

UTM: Zone-10 N4293039 E649236

Area: 28.7 acres

Elevation: 160 ft

Mapping Precision SPECIFIC  
Symbol Type POLYGON

Township: 11N

Range: 06E

Section: 26

Meridian: M

Qtr: SW

Location: HIGHLAND RESERVE SOUTH OPEN SPACE JUST N & E OF DIAMOND OAKS MUNICIPAL GOLF COURSE, ROSEVILLE.

Location Detail: HIGHLAND RESERVE SOUTH. BOTH NATURAL AND MANMADE VERNAL POOLS PRESENT. 2005: SELECT POOLS FROM NORTHERN PORTION OF FEATURE SURVEYED. MAPPED TO PROVIDED MAPS.

Ecological: HARDPAN VERNAL POOLS IN ANNUAL GRASSLAND; WETLAND COMPENSATION/MITIGATION PRESERVE SURROUNDED BY DEVELOPMENT AS OF 2002. ON 31 JAN 1995 THE SURFACE AREA WAS 59 (U22) & 94 (U26) SQUARE METERS & THE DEPTH WAS 35 (U22) & 14 (U26) CM.

General: OBSERVED IN 5 OF 32 SURVEYED POOLS 11 FEB 1993. 50+ OBS IN 2 POOLS 31 JAN 1995; 2 AD DEPOSITED IN CAS. 0 OBS APR 1996. 10S IN 4 POOLS, 100S IN 1 POOL 9 JAN 1997. 0 OBS FEB 1998. 100S IN 1 POOL 16 FEB 2001. 0 OBS FEB 2004. 0 OBS JAN 2005.

Owner/Manager: CITY OF ROSEVILLE

Occurrence No. 44

Map Index: 32456

EO Index: 1903

Dates Last Seen

Occ Rank: Fair

Element: 1995-03-XX

Origin: Natural/Native occurrence

Site: 1997-02-25

Presence: Presumed Extant

Record Last Updated: 2011-07-08

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.76087° / -121.33772°

UTM: Zone-10 N4291553 E644427

Area: 44.0 acres

Elevation: 120 ft

Mapping Precision SPECIFIC  
Symbol Type POLYGON

Township: 11N

Range: 06E

Section: 32

Meridian: M

Qtr: NW

Location: SILVERADO OAKS MITIGATION SITE, NW OF THE WOODCREEK OAKS BLVD & JUNCTION BLVD JCT, ABOUT 3 MI WNW OF ROSEVILLE PO.

Location Detail: 1995: 15 WETLANDS SAMPLED AMONG PARCELS 72 (EO#44, THIS OCCURRENCE) & 32 (EO#635). 1996: 10 SAMPLED. 1997: 13 SAMPLED. PROVIDED MAP GRAPHIC APPEARED SHIFTED WEST OF TRUE LOCATION; MAPPED TO AERIAL IMAGE MATCHING PRESERVED HABITAT.

Ecological: CONSTRUCTED AND SEASONAL HARDPAN VERNAL POOLS WITH NON-NATIVE ANNUAL GRASSLAND. PROTECTED WETLAND SURROUNDED BY RESIDENTIAL DEVELOPMENT.

General: 1995: BRANCHINECTA LYNCHI OBSERVED IN CONSTRUCTED VERNAL POOLS. 1996: NO B. LYNCHI OBSERVED, BUT LINDERIELLA OCCIDENTALIS PRESENT. 1997: NO B. LYNCHI OBSERVED, BUT L. OCCIDENTALIS PRESENT.

Owner/Manager: CITY OF ROSEVILLE

***Branchinecta lynchi***

vernal pool fairy shrimp

Element Code: ICBRA03030

Status  
Federal: Threatened  
State: None

NDDB Element Ranks  
Global: G3  
State: S2S3

Other Lists  
CDFG Status:

**Habitat Associations**

**General:** ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.  
**Micro:** INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 45

Map Index: 32457

EO Index: 1899

Dates Last Seen

Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 1995-03-14  
Site: 1995-03-14

Record Last Updated: 1995-10-11

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.76950° / -121.32354°  
UTM: Zone-10 N4292533 E645642  
Radius: 1/5 mile  
Elevation: 130 ft

Mapping PrecisionNON-SPECIFIC  
Symbol Type:POINT

Township: 11N  
Range: 06E  
Section: 29  
Meridian: M  
Qtr: SE

**Location:** BETWEEN KASEBERG CREEK & SOUTH BRANCH PLEASANT GROVE CREEK; 1.8 KM WEST OF SOUTHERN PACIFIC RR X HWY 65.

**Location Detail:** WOODCREEK OAKS MITIGATION SITES. 14 WATER BODIES WERE SAMPLED ON FEB 9, 10, 27 & MARCH 14, 1995. B. LYNCHI FOUND IN ONLY 1 POOL & ONLY ON 3/14/95.

**Ecological:** HARDPAN VERNAL POOL IN ANNUAL NON-NATIVE GRASSLAND. ON 3/14 THE SURFACE AREA WAS 129 SQ METERS & THE DEPTH WAS 18 CM. WETLAND COMPENSATION/MITIGATION PRESERVE.

**General:** POOL #C2: 50+ ADULTS OBSERVED; 1 ADULT COLLECTED & DEPOSITED IN CAS. THE INFORMATION PROVIDED BY THE CONSULTANT HAS CONFLICTING DATA ON THE LOCATION OF THIS POOL; THIS SITE WAS MAPPED ACCORDING TO THE MAP THEY PROVIDED, NOT THE T-R-S GIVEN.

**Owner/Manager:** PVT-SARES REGIS GROUP

Occurrence No. 46

Map Index: 32458

EO Index: 9535

Dates Last Seen

Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 1996-01-29  
Site: 1996-01-29

Record Last Updated: 2008-04-29

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.85840° / -121.31539°  
UTM: Zone-10 N4302411 E646168  
Area: 19.0 acres  
Elevation: 130 ft

Mapping PrecisionSPECIFIC  
Symbol Type:POLYGON

Township: 12N  
Range: 06E  
Section: 28  
Meridian: M  
Qtr: SW

**Location:** INGRAM SLOUGH; 3.2 KM ESE OF MOORE ROAD X FIDDYMENT ROAD; SSW OF LINCOLN.

**Location Detail:** LINCOLN CROSSING MITIGATION SITE. 1995: 10 TOTAL WETLANDS SAMPLED. THE INFORMATION FROM CONSULTANT HAD DISCREPANCIES BETWEEN FIELD SURVEY FORMS & MAP - MAPPED ACCORDING TO THEIR MAP. 1996: 42 TOTAL WATERBODIES WERE SURVEYED.

**Ecological:** CONSTRUCTED HARDPAN VERNAL POOL IN ANNUAL NON-NATIVE GRASSLAND. WETLAND COMPENSATION/MITIGATION PRESERVE.

**General:** 1995: <50 ADULTS OBSERVED IN POOL #211. 1996: <50 ADULTS OBSERVED IN 5 POOLS (101, 204, 206, 216 & 220). LINDERIELLA OCCIDENTALIS ALSO PRESENT IN MOST OF SITE DURING 1995 & 1996.

**Owner/Manager:** PVT-STERLING PACIFIC ASSETS

***Branchinecta lynchi***

vernal pool fairy shrimp

Element Code: ICBRA03030

Status  
Federal: Threatened  
State: None

NDDB Element Ranks  
Global: G3  
State: S2S3

Other Lists  
CDFG Status:

**Habitat Associations**

**General:** ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.  
**Micro:** INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 91

Map Index: 32516

EO Index: 1892

— Dates Last Seen —

Occ Rank: Excellent  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 1998-02-04  
Site: 1998-02-04

Record Last Updated: 1998-09-29

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.86505° / -121.29394°  
UTM: Zone-10 N4303184 E648015  
Area:  
Elevation: 140 ft

Township: 12N  
Range: 06E  
Section: 27 Qtr: NW  
Meridian: M

Mapping PrecisionNON-SPECIFIC  
Symbol TypePOLYGON

**Location:** EASTRIDGE SOUTHERN WETLAND PRESERVE, JUST EAST OF HWY 65 (AT THE LINCOLN RODEO GROUNDS), 0.5 MILE SE OF LINCOLN.

**Ecological:** NORTHERN HARDPAN VERNAL POOL HABITAT WITH CONSTRUCTED VERNAL POOLS (3.95 ACRES), CONSTRUCTED SEASONAL WETLANDS (1.95 ACRES), AND REFERENCE VERNAL POOLS IN ANNUAL GRASSLAND.

**Threat:** FUTURE RESIDENTIAL DEVELOPMENT PLANNED IN ADJACENT AREA; DIRT ROADS BISECT PRESERVE; GRAZING; RODEO GROUNDS TO THE NW.

**General:** 1995 (SECOND MONITORING YEAR): OBS IN 7 REFERENCE VERNAL POOLS, IN 17 CONSTRUCTED VERNAL POOLS, IN 2 1996 (THIRD YEAR): OBS IN 21 OF 45 CONSTRUCTED POOLS, 6 OF 10 REFERENCE POOLS. PRESENT ON-SITE IN 1997 AND 1998.

**Owner/Manager:** PVT-PLACER HOLDINGS

Occurrence No. 139

Map Index: 34813

EO Index: 1874

— Dates Last Seen —

Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 1996-01-30  
Site: 1996-03-11

Record Last Updated: 2002-03-22

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.80312° / -121.30397°  
UTM: Zone-10 N4296295 E647273  
Area: 33.4 acres  
Elevation: 105 ft

Township: 11N  
Range: 06E  
Section: 16 Qtr: NE  
Meridian: M

Mapping PrecisionSPECIFIC  
Symbol TypePOLYGON

**Location:** NORTH OF ROSEVILLE; BETWEEN HWY 65 AND INDUSTRIAL AVENUE; 0.3 KM WSW OF HWY 65 X PLEASANT GROVE CREEK.

**Location Detail:** FOOTHILL BUSINESS PARK MITIGATION SITE, PARCEL 1. 1995: 12 WATERBODIES SURVEYED. 1996: 14 WATERBODIES SURVEYED. 1997: 29 WATERBODIES SURVEYED.

**Ecological:** CONSTRUCTED VERNAL POOLS WITHIN NON-NATIVE ANNUAL GRASSLAND. POOL #VP32-1995: SURFACE AREA WAS 0, DEPTH WAS 39.0 CM; 1996: SURFACE AREA WAS 461 SQ METERS, DEPTH WAS 19.0 CM.

**General:** 1/14/1997: 10'S SEEN IN 2 POOLS (VP12 & 29). 1/30/1996: >50 FAIRY SHRIMP OBSERVED IN POOL #VP32; LINDERIELLA OCCIDENTALIS ALSO PRESENT.

**Owner/Manager:** PVT-STANFORD RANCH

***Branchinecta lynchi***

vernal pool fairy shrimp

Element Code: ICBRA03030

Status  
 Federal: Threatened  
 State: None

NDDB Element Ranks  
 Global: G3  
 State: S2S3

Other Lists  
 CDFG Status:

**Habitat Associations**

General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.

Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 141

Map Index: 34819

EO Index: 17500

Dates Last Seen

Occ Rank: Unknown  
 Origin: Natural/Native occurrence  
 Presence: Presumed Extant  
 Trend: Unknown

Element: 1996-01-30  
 Site: 1996-01-30

Record Last Updated: 1996-07-17

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.86474° / -121.30580°  
 UTM: Zone-10 N4303130 E646987  
 Radius: 80 meters  
 Elevation: 140 ft

Mapping Precision SPECIFIC  
 Symbol Type POINT

Township: 12N  
 Range: 06E  
 Section: 28 Qtr: NE  
 Meridian: M

Location: NNW OF ROSEVILLE IN INGRAM SLOUGH; 0.4 KM WEST OF HWY 65 X INDUSTRIAL BLVD.

Location Detail: LILCOLN CROSSING MITIGATION SITE. 1996: 42 TOTAL WATERBODIES SURVEYED.

Ecological: CONSTRUCTED HARDPAN VERNAL POOL WITHIN NON-NATIVE ANNUAL GRASSLAND. WETLAND COMPENSATION/MITIGATION PRESERVE.

General: 1996: <50 ADULTS OBSERVED IN POOL #222; SURFACE AREA=574 SQ METERS, WATER DEPTH=32.0 CM, TEMPERATURE= 11.5 DEGREES C, CONDUCTIVITY=75.80, TURBIDITY WAS LOW. LINDERIELLA ALSO PRESENT IN POOL AND IN SURROUNDING AREAS.

Owner/Manager: PVT-STERLING PACIFIC ASSETS

Occurrence No. 154

Map Index: 33672

EO Index: 30807

Dates Last Seen

Occ Rank: Unknown  
 Origin: Natural/Native occurrence  
 Presence: Presumed Extant  
 Trend: Unknown

Element: 2005-XX-XX  
 Site: 2005-XX-XX

Record Last Updated: 2006-03-23

Quad Summary: Roseville (3812173/528D), Pleasant Grove (3812174/528C)

County Summary: Placer

Lat/Long: 38.80163° / -121.37194°  
 UTM: Zone-10 N4296023 E641373  
 Area: 1,972.8 acres  
 Elevation: 95 ft

Mapping Precision SPECIFIC  
 Symbol Type POLYGON

Township: 11N  
 Range: 05E  
 Section: 13 Qtr: XX  
 Meridian: M

Location: NORTH OF PHILLIP ROAD IN THE VICINITY OF PLEASANT GROVE CREEK. NORTHWEST OF ROSEVILLE.

Location Detail: VERNAL POOLS ARE FOUND IN T11N, R05E, SECTIONS 13, 14 & 24 & IN T11N, R06E, SECTION 18. THIS AREA IS IN THE WEST ROSEVILLE SPECIFIC PLAN. PART OF THE AREA IS BEING DEVELOPED & PART IS AN OPEN SPACE PRESERVE.

Ecological: NATURAL VERNAL POOLS.

Threat: AREA IS BEING DEVELOPED.

General: 1993: OBS IN 16 OF 52 POOLS IN SEC 13, IN 4 OF 9 POOLS IN SEC 14. & IN 3 POOLS IN SEC 18. NO LEPIDURUS PACKARDI OBS. SUGNET RECORD #S 87, 88 & 91. 2005: OBS IN NW 1/4 OF SEC 24 IN POOLS #273, 277, 287 & 291 & IN SEC 13 POOL #15.

Owner/Manager: UNKNOWN

Occurrence No. 155

Map Index: 33674

EO Index: 30808

Dates Last Seen

Occ Rank: Unknown  
 Origin: Natural/Native occurrence  
 Presence: Presumed Extant  
 Trend: Unknown

Element: 1993-01-27  
 Site: 1993-01-27

Record Last Updated: 2006-03-23

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.77370° / -121.36736°  
 UTM: Zone-10 N4292930 E641825  
 Area: 610.4 acres  
 Elevation: 110 ft

Mapping Precision SPECIFIC  
 Symbol Type POLYGON

Township: 11N  
 Range: 05E  
 Section: 25 Qtr: XX  
 Meridian: M

Location: SOUTH OF PHILLIP ROAD AND WEST OF FIDDYMENT ROAD. WNW OF ROSEVILLE.

Location Detail: VERNAL POOLS LOCATED SOMEWHERE IN SECTION 25.

Ecological: NATURAL VERNAL POOLS.

General: B. LYNCHI OBSERVED IN 5 OF 31 FEATURES INSPECTED. NO LEPIDURUS PACKARDI OBSERVED. SUGNET RECORD NUMBER 89.

Owner/Manager: UNKNOWN

***Branchinecta lynchi***

vernal pool fairy shrimp

Element Code: ICBRA03030

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G3

CDFG Status:

State: None

State: S2S3

Habitat Associations

General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.

Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 156

Map Index: 33673

EO Index: 30806

Dates Last Seen

Occ Rank: Unknown

Element: 1993-02-18

Origin: Natural/Native occurrence

Site: 1993-02-18

Presence: Presumed Extant

Record Last Updated: 1997-04-07

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.80298° / -121.31236°

UTM: Zone-10 N4296266 E646544

Radius: 3/5 mile

Elevation: 100 ft

Township: 11N

Range: 06E

Section: 16

Qtr: XX

Mapping PrecisionNON-SPECIFIC

Symbol Type:POINT

Meridian: M

Location: WEST OF HWY 65 & NORTH OF SCOW ROAD. NNW OF ROSEVILLE.

Location Detail: VERNAL POOLS LOCATED SOMEWHERE IN SECTION 16.

Ecological: NATURAL VERNAL POOLS.

General: B. LYNCHI WAS FOUND IN 5 OF 54 FEATURES INSPECTED. NO LEPIDURUS PACKARDI OBSERVED. SUGNET RECORD #90.

Owner/Manager: UNKNOWN

Occurrence No. 157

Map Index: 33676

EO Index: 30431

Dates Last Seen

Occ Rank: Unknown

Element: 1993-01-18

Origin: Natural/Native occurrence

Site: 1993-01-18

Presence: Presumed Extant

Record Last Updated: 1997-03-12

Trend: Unknown

Quad Summary: Lincoln (3812183/528A), Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.87538° / -121.29395°

UTM: Zone-10 N4304331 E647993

Radius: 3/5 mile

Elevation: 150 ft

Township: 12N

Range: 06E

Section: 22

Qtr: XX

Mapping PrecisionNON-SPECIFIC

Symbol Type:POINT

Meridian: M

Location: SOUTH OF AUBURN RAVINE, ON BOTH SIDES OF HWY 65, SOUTH OF LINCOLN.

Location Detail: VERNAL POOLS LOCATED SOMEWHERE IN SECTION 22.

Ecological: NATURAL VERNAL POOLS.

General: B. LYNCHI OBSERVED IN 2 OF 5 FEATURES INSPECTED. NO LEPIDURUS PACKARDI OBSERVED. SUGNET RECORD #95.

Owner/Manager: UNKNOWN

Occurrence No. 191

Map Index: 36947

EO Index: 31944

Dates Last Seen

Occ Rank: Good

Element: 1997-01-17

Origin: Natural/Native occurrence

Site: 1997-01-17

Presence: Presumed Extant

Record Last Updated: 2008-04-29

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.84424° / -121.31478°

UTM: Zone-10 N4300841 E646250

Radius: 1/5 mile

Elevation: 115 ft

Township: 12N

Range: 06E

Section: 33

Qtr: SW

Mapping PrecisionNON-SPECIFIC

Symbol Type:POINT

Meridian: M

Location: ORCHARD CREEK AREA, 0.25 MILE NORTH OF ATHENS AVENUE (PLEASANT GROVE BLVD) AND WEST OF SPRR TRACKS, NORTH OF ROSEVILLE.

Location Detail: SITE IS LOCATED ON A 632-ACRE MITIGATION BANK PRESERVE. THIS UNDEVELOPED PASTURELAND IS BEING ESTABLISHED AS A MITIGATION BANK.

Ecological: HABITAT CONSISTS OF NORTHERN HARDPAN VERNAL POOLS.

Threat: DEVELOPMENT

General: AN UNSPECIFIED NUMBER OF FAIRY SHRIMP WERE OBSERVED ON 17 JAN 1997.

Owner/Manager: PVT-WILDLANDS INC



***Branchinecta lynchi***

vernal pool fairy shrimp

Element Code: ICBRA03030

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G3

CDFG Status:

State: None

State: S2S3

**Habitat Associations**

**General:** ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.

**Micro:** INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 195

Map Index: 38256

EO Index: 33263

Dates Last Seen

Occ Rank: Good

Element: 1997-01-16

Origin: Natural/Native occurrence

Site: 1997-01-16

Presence: Presumed Extant

Record Last Updated: 1998-03-02

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.78083° / -121.34926°

**UTM:** Zone-10 N4293749 E643384

**Area:**

**Elevation:** 120 ft

**Township:** 11N

**Range:** 06E

**Section:** 30

**Qtr:** XX

**Mapping Precision:** NON-SPECIFIC

**Symbol Type:** POLYGON

**Meridian:** M

**Location:** EAST OF FIDDYMENT ROAD, WEST OF FOOTHILLS BLVD, AND NORTH OF BASELINE ROAD, NW OF ROSEVILLE.

**Ecological:** HABITAT CONSISTS OF SEASONAL WETLANDS, REFERENCE VERNAL POOLS, AND CONSTRUCTED VERNAL POOLS WITHIN A DESIGNATED WETLAND MITIGATION AREA. SURROUNDING UPLAND CONSISTS OF NON-NATIVE ANNUAL GRASSLAND/MIXED OAK WOODLAND.

**Threat:** THREATENED BY SURROUNDING DEVELOPMENT (GOLF COURSES AND RESIDENTIAL DEVELOPMENT).

**General:** VERNAL POOL FAIRY SHRIMP WERE IDENTIFIED WITHIN 71 CONSTRUCTED VERNAL POOLS AND SEASONAL WETLANDS. LINDERIELLA OCCIDENTALIS ALSO OBSERVED.

**Owner/Manager:** PVT

Occurrence No. 196

Map Index: 38629

EO Index: 33636

Dates Last Seen

Occ Rank: Fair

Element: 1997-11-06

Origin: Natural/Native occurrence

Site: 1997-11-06

Presence: Presumed Extant

Record Last Updated: 1998-04-20

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.85775° / -121.37303°

**UTM:** Zone-10 N4302249 E641167

**Radius:** 80 meters

**Elevation:** 100 ft

**Township:** 12N

**Range:** 05E

**Section:** 25

**Qtr:** SW

**Mapping Precision:** SPECIFIC

**Symbol Type:** POINT

**Meridian:** M

**Location:** MOORE RANCH PROPERTY, 0.8 MILE NORTH OF PLEASANT VALLEY ROAD, SOUTH OF AUBURN RAVINE, 7 MILES NNW OF ROSEVILLE.

**Ecological:** HABITAT CONSISTS OF A VERNAL POOL IN GRAZED ANNUAL GRASSLAND.

**General:** SITE WAS HISTORICALLY (SINCE AT LEAST 1937) DISKED; HAS ONLY BEEN GRAZED OVER THE PAST SEVERAL YEARS. 6 CYSTS FOUND IN POOL #3 (PRESUMED TO BE BRANCHINESTA LYNCHI, SINCE THAT IS THE ONLY MEMBER OF THAT GENUS KNOWN TO OCCUR IN THIS AREA).

**Owner/Manager:** UNKNOWN

Occurrence No. 235

Map Index: 42745

EO Index: 42745

Dates Last Seen

Occ Rank: Unknown

Element: 1997-01-17

Origin: Natural/Native occurrence

Site: 1997-01-17

Presence: Presumed Extant

Record Last Updated: 2000-04-12

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.84578° / -121.30899°

**UTM:** Zone-10 N4301021 E646749

**Radius:** 80 meters

**Elevation:** 120 ft

**Township:** 12N

**Range:** 06E

**Section:** 33

**Qtr:** SE

**Mapping Precision:** SPECIFIC

**Symbol Type:** POINT

**Meridian:** M

**Location:** 0.5 MILE N OF PLEASANT GROVE RD & SP RR, 1.7 MILES ESE OF ORCHARD CREEK & INGRAM SLOUGH CONFLUENCE, NNW OF ROSEVILLE.

**Location Detail:** FOUND IN THE SOUTHEAST PORTION OF THE ORCHARD CREEK MIDIGATION BANK. MAJORITY OF VERNAL POOLS ARE ON SAN JOAQUIN SANDY LOAM AND ALAMO-FIDDYMENT COMPLEX SOILS.

**Ecological:** VERNAL POOLS ENDEMIC VEGETATION: RANUNCULUS ALVEOLATUS, ERYNGIUM VASEYI, PLAGIOBOTHRYUS STIPITAUS, PSILICARPHUS ZIZYPHOROIDES, DESCHAMPSIA DAMTHONIODES, NAVARRETIA LEUCOCEPHALA

**General:** OBSERVED SHRIMP IN 2 OF THE 170 SURVEY POOLS SAMPLED. THIS POOL WAS RATED AS LOW IN ABUNDANCE (LESS THAN ONE INDIVIDUAL PER PULL).

**Owner/Manager:** UNKNOWN



<b>Branchinecta lynchi</b>			
vernal pool fairy shrimp		Element Code: ICBRA03030	
Status		Other Lists	
Federal: Threatened		CDFG Status:	
State: None			
Habitat Associations			
General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.			
Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.			
Occurrence No. 236	Map Index: 42746	EO Index: 42746	Dates Last Seen
Occ Rank: Unknown			Element: 1997-01-17
Origin: Natural/Native occurrence			Site: 1997-01-17
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2000-04-12
Quad Summary: Roseville (3812173/528D)			
County Summary: Placer			
Lat/Long: 38.84043° / -121.32009°		Township: 12N	
UTM: Zone-10 N4300410 E645796		Range: 06E	
Radius: 80 meters	Mapping PrecisionSPECIFIC	Section: 33	Qtr: SW
Elevation: 115 ft	Symbol TypePOINT	Meridian: M	
Location: 0.7 MILE W OF PLEASANT GROVE RD & SP RR, 1.3 MILES SE OF ORCHARD CREEK & INGRAM SLOUGH CONFLUENCE, NNW OF ROSEVILLE.			
Location Detail: FOUND IN THE SOUTHWEST PORTION OF THE ORCHARD CREEK MIDIGATION BANK. MAJORITY OF VERNAL POOLS ARE ON SAN JOAQUIN SANDY LOAM AND ALAMO-FIDDYMENT COMPLEX SOILS.			
Ecological: VERNAL POOLS ENDEMIC VEGETATION: RANUNCULUS ALVEOLATUS, ERYNGIUM VASEYI, PLAGIOBOTHRYUS STIPITAUS, PSILICARPHUS ZIZYPHOROIDES, DESCHAMPSIA DAMTHONIODES, NAVARRETIA LEUCOCEPHALA			
General: OBSERVED SHRIMP IN 2 OF THE 170 SURVEY POOLS SAMPLED. THIS POOL WAS RATED MEDIUM IN ABUNDANCE (1 TO 5 INDIVIDUALS PER PULL).			
Owner/Manager: UNKNOWN			
Occurrence No. 247	Map Index: 43395	EO Index: 43395	Dates Last Seen
Occ Rank: Unknown			Element: 2001-03-08
Origin: Natural/Native occurrence			Site: 2001-03-08
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-06-22
Quad Summary: Roseville (3812173/528D)			
County Summary: Placer			
Lat/Long: 38.82671° / -121.29569°		Township: 11N	
UTM: Zone-10 N4298927 E647942		Range: 06E	
Radius: 80 meters	Mapping PrecisionSPECIFIC	Section: 03	Qtr: SW
Elevation: 150 ft	Symbol TypePOINT	Meridian: M	
Location: STANFORD RANCH NORTH, 0.75 MILES NNE JCT OF SUNSET BLVD & HWY 65, 1.8 MILES WSW OF TELEGRAPH HILL, ~4 MILES N OF ROCKLIN			
Location Detail: VERNAL POOL AT THIS SITE NUMBERED VP42, MAX SURFACE AREA ~10 METERS BY 13 METERS & 35 CM DEEP. B. LYNCHI FOUND IN 1 OF 65 SEASONAL WATERBODIES SURVEYED BETWEEN 28 JAN & 24 MAR 2000.			
Ecological: HABITAT CONSISTS OF FORMERLY GRAZED, NON-NATIVE ANNUAL GRASSLAND, INTERSPERSED WITH VERNAL POOLS.			
Threat: DISTURBED FIELD (SOURCE OF DISTURBANCE NOT GIVEN)			
General: VPFS NUMBERING IN THE 10'S OBSERVED ON 11 FEB 2000 (2 FEMALES) AND ON 25 FEB 2000 (2 MALES) IN VERNAL POOL #VP42. 8 MAR 2001: 1 MALE OBSERVED WITHIN POOL #42.			
Owner/Manager: PVT			

***Branchinecta lynchi***

vernal pool fairy shrimp

Element Code: ICBRA03030

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G3

CDFG Status:

State: None

State: S2S3

**Habitat Associations**

**General:** ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.

**Micro:** INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 293

Map Index: 45435

EO Index: 45435

— Dates Last Seen —

Occ Rank: Unknown

Element: 2006-01-10

Origin: Natural/Native occurrence

Site: 2006-01-10

Presence: Presumed Extant

Record Last Updated: 2006-03-22

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.77040° / -121.27237°

**UTM:** Zone-10 N4292715 E650085

**Area:** 13.3 acres

**Elevation:** 185 ft

**Mapping Precision:** SPECIFIC  
**Symbol Type:** POLYGON

**Township:** 11N

**Range:** 06E

**Section:** 26

**Meridian:** M

**Qtr:** SE

**Location:** HIGHLAND RESERVE SOUTH OPEN SPACE, ON THE WEST SIDE OF EAST ROSEVILLE PARKWAY, ROSEVILLE.

**Location Detail:** FOUND IN POOLS #5, #8, AND #27 IN 2003; IN POOL LVP IN 2006.

**Ecological:** HABITAT CONSISTS OF ANNUAL GRASSLAND INTERSPERSED WITH BOTH CONSTRUCTED AND HISTORIC VERNAL POOLS.

**General:** 10'S OBSERVED IN POOL #8 AND 100'S OBSERVED IN POOL #27 ON 16 FEB 2001. ONLY 2 FEMALES OBSERVED IN POOL #5 ON 4 JAN 2002. 10'S OF ADULTS OBSERVED 24 JAN 2003 IN POOL #5.

**Owner/Manager:** CITY OF ROSEVILLE

Occurrence No. 304

Map Index: 46034

EO Index: 46034

— Dates Last Seen —

Occ Rank: Unknown

Element: 2003-01-17

Origin: Natural/Native occurrence

Site: 2003-01-17

Presence: Presumed Extant

Record Last Updated: 2004-10-28

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.76449° / -121.34970°

**UTM:** Zone-10 N4291935 E643379

**Radius:** 80 meters

**Elevation:** 125 ft

**Mapping Precision:** SPECIFIC  
**Symbol Type:** POINT

**Township:** 11N

**Range:** 06E

**Section:** 31

**Meridian:** M

**Qtr:** NW

**Location:** WOODCREEK WEST WETLAND COMPENSATION AREA. 2.7 MILES NW OF WEST EDGE OF ROSEVILLE.

**Location Detail:** 0.9 MILES NORTH OF THE INTERSECTION OF FIDDYMENT ROAD AND BASE LINE ROAD AND THEN NEAR 0.8 MILES DIRECTLY EAST.

**Ecological:** HABITAT CONSISTS OF ANNUAL GRASSLAND INTERSPERSED WITH CONSTRUCTED AND HISTORIC VERNAL POOLS.

**General:** MORE THAN 10 ADULTS OBSERVED IN POOL 55 ON 15 FEB 2001. 10'S OF ADULTS OBSERVED IN POOLS 49 AND 55 ON 17 JAN 2003.

**Owner/Manager:** CITY OF ROSEVILLE

Occurrence No. 307

Map Index: 46096

EO Index: 46096

— Dates Last Seen —

Occ Rank: Fair

Element: 2001-03-09

Origin: Natural/Native occurrence

Site: 2001-03-09

Presence: Presumed Extant

Record Last Updated: 2001-10-10

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.87145° / -121.32514°

**UTM:** Zone-10 N4303844 E645295

**Radius:** 80 meters

**Elevation:** 120 ft

**Mapping Precision:** SPECIFIC  
**Symbol Type:** POINT

**Township:** 12N

**Range:** 06E

**Section:** 20

**Meridian:** M

**Qtr:** SE

**Location:** SW OF LINCOLN; 0.15 MILES SOUTH OF MOORE ROAD AND 0.25 MILES NW OF INGRAM SLOUGH.

**Ecological:** HABITAT CONSISTS OF LAND WHICH HAS BEEN DRY-FARMED (DISKED ETC.)

**Threat:** AGRICULTURE - DRY-FARMING.

**General:** 10'S OF ADULTS OBSERVED. 5 INDIVIDUALS COLLECTED TO BE DEPOSITED AT CAL ACADEMY OF SCIENCES.

**Owner/Manager:** UNKNOWN

***Branchinecta lynchi***

vernal pool fairy shrimp

Element Code: ICBRA03030

Status  
Federal: Threatened  
State: None

NDDB Element Ranks  
Global: G3  
State: S2S3

Other Lists  
CDFG Status:

**Habitat Associations**

**General:** ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.  
**Micro:** INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 308

Map Index: 46098

EO Index: 46098

— Dates Last Seen —

Occ Rank: Fair  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 2001-03-09  
Site: 2001-03-09

Record Last Updated: 2001-10-10

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.85475° / -121.32838°  
UTM: Zone-10 N4301986 E645048  
Radius: 80 meters  
Elevation: 120 ft

Mapping Precision SPECIFIC  
Symbol Type POINT

Township: 12N  
Range: 06E  
Section: 29  
Meridian: M  
Qtr: SE

**Location:** SW OF LINCOLN. 1.1 MILES EAST FIDDYMENT RD & 1.1 MILES NORTH PLEASANT GROVE RD BETWEEN INGRAM SLOUGH & ORCHARD CREEK.

**Location Detail:** 375 FT SOUTH OF POND.

**Ecological:** HABITAT CONSISTS OF GRAZED NON-NATIVE GRASSLAND. LINDERIELLA OCCIDENTALIS ALSO FOUND HERE.

**General:** 10'S OF ADULTS OBSERVED. 6 COLLECTED TO BE DEPOSITED AT CAL ACADEMY OF SCIENCES.

**Owner/Manager:** UNKNOWN

Occurrence No. 309

Map Index: 46106

EO Index: 46106

— Dates Last Seen —

Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 2001-03-07  
Site: 2005-01-07

Record Last Updated: 2005-10-17

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.78973° / -121.33683°  
UTM: Zone-10 N4294757 E644445  
Area:  
Elevation: 115 ft

Mapping Precision NON-SPECIFIC  
Symbol Type POLYGON

Township: 11N  
Range: 06E  
Section: 20  
Meridian: M  
Qtr: NW

**Location:** 1 MILE SW OF THE INTERSECTION OF FIDDYMENT ROAD AND PLEASANT GROVE CREEK, ROSEVILLE

**Location Detail:** WOODCREEK NORTH OPEN SPACE PRESERV/WETLAND COMPENSATION AREA; POOL #6.

**Ecological:** HABITAT CONSISTS OF ANNUAL GRASSLAND WITH CONSTRUCTED AND HISTORIC VERNAL POOLS SURROUNDED BY OAK WOODLAND. LINDERIELLA OCCIDENTALIS ALSO FOUND HERE.

**General:** MORE THAN 100 INDIVIDUALS OBSERVED IN POOL #6 ON 7 MAR 2001. NONE OBSERVED DURING A SURVEY CONDUCTED ON 28 FEB 2002. NONE OBSERVED 7 JAN 2005.

**Owner/Manager:** CITY OF ROSEVILLE

Occurrence No. 315

Map Index: 64299

EO Index: 47900

— Dates Last Seen —

Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 2005-03-02  
Site: 2005-03-02

Record Last Updated: 2011-04-25

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.84960° / -121.35768°  
UTM: Zone-10 N4301369 E642515  
Area:  
Elevation: 100 ft

Mapping Precision NON-SPECIFIC  
Symbol Type POLYGON

Township: 12N  
Range: 06E  
Section: 31  
Meridian: M  
Qtr: NW

**Location:** IN THE GENERAL AREA NW OF FIDDYMENT RD AT E CATLETT RD, S OF ORCHARD CREEK, 4.5 MILES SW OF LINCOLN PO.

**Location Detail:** IN 2002, B. LYNCHI FOUND IN POOLS #49 & 135. IN 2003, B. LYNCHI FOUND IN POOLS #31, 156, 161 & 210. IN 2005, B. LYNCHI FOUND IN POOLS #116 & 210. LOCATED IN NW1/4 SEC 31 & NE1/4 SEC 36.

**Ecological:** HABITAT CONSISTS OF A GRASSLAND/VERNAL POOL RESTORATION SITE. LINDERIELLA OCCIDENTALIS ALSO FOUND AT THIS SITE.

**General:** NONE OBSERVED IN 1997. 10'S - 100'S OBSERVED ON 14 JAN 2002. 10'S OBSERVED IN EACH POOL DURING SURVEYS ON 17 & 23 JAN 2003. 10'S OBSERVED 2 MAR 2005.

**Owner/Manager:** MOORE RANCH CONSERVANCY

***Branchinecta lynchi***

vernal pool fairy shrimp

Element Code: ICBRA03030

Status  
Federal: Threatened  
State: None

NDDB Element Ranks  
Global: G3  
State: S2S3

Other Lists  
CDFG Status:

**Habitat Associations**

**General:** ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.  
**Micro:** INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 320

Map Index: 48242

EO Index: 48242

— Dates Last Seen —

Occ Rank: Excellent  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 2002-01-10  
Site: 2002-01-10

Record Last Updated: 2002-07-15

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.84871° / -121.31724°  
**UTM:** Zone-10 N4301333 E646027  
**Area:**  
**Elevation:** 120 ft

**Mapping Precision:** NON-SPECIFIC  
**Symbol Type:** POLYGON

**Township:** 12N  
**Range:** 06E  
**Section:** 33  
**Meridian:** M  
**Qtr:** XX

**Location:** ORCHARD CREEK CONSERVATION SITE; 6 MILES NORTH OF ROSEVILLE.

**Location Detail:** 0.8 MILE SOUTH OF MOORE ROAD AND 1.2 MILES EAST OF FIDDYMENT ROAD. BORDERED TO THE SOUTH BY PLEASANT GROVE BLVD AND TO THE EAST BY RAILROAD TRACKS.

**Ecological:** HABITAT CONSISTS OF NATURALLY OCCURRING VERNAL POOLS, SEASONAL WET SWALES, EMERGENT MARSH, SEASONAL WETLANDS AND INTERMITTANT/SEASONAL STREAMS. MAJORITY OF VERNAL POOLS LOCATED ON SAN JOAQUIN SANDY LOAM AND ALAMO-FIDDYMENT COMPLEX SOILS.

**General:** 100'S OF ADULTS OBSERVED WITHIN UNKNOWN NUMBER OF POOLS ON 10 JAN 2002. VERNAL POOLS CONCENTRATED THROUGHOUT THIS SITE.

**Owner/Manager:** PVT-WILDLANDS INC

Occurrence No. 329

Map Index: 48419

EO Index: 48419

— Dates Last Seen —

Occ Rank: Unknown  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 2005-01-10  
Site: 2005-01-10

Record Last Updated: 2005-12-28

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.76501° / -121.35644°  
**UTM:** Zone-10 N4291982 E642792  
**Radius:** 80 meters  
**Elevation:** 130 ft

**Mapping Precision:** SPECIFIC  
**Symbol Type:** POINT

**Township:** 11N  
**Range:** 06E  
**Section:** 31  
**Meridian:** M  
**Qtr:** NW

**Location:** 3.5 MILES WNW OF ROSEVILLE; JUST NORTH OF POWER LINES, 0.1 MILE EAST OF FIDDYMENT ROAD.

**Location Detail:** WOODCREEK WEST WETLAND COMPENSATION AREA, POOLS #17 (2002), #8, #22 (2003), #22 (2005).

**Ecological:** HABITAT CONSISTS OF CONSTRUCTED AND HISTORIC VERNAL POOLS WITHIN AN ANNUAL GRASSLAND HABITAT; WETLAND COMPENSATION AREA. POOL DEPTH: 15CM. SURROUNDING LAND IS DEVELOPMENT.

**General:** 10'S OBSERVED ON 18 JAN 2002 IN A POOL CONSTRUCTED IN 1990. ON 17 JAN 2003 10'S OBSERVED IN POOL #8 AND HUNDREDS OBSERVED IN POOL #22. 10 JAN 2005: 10'S OBS IN POOL #22 (FOUND IN 1 OF 22 POOLS SAMPLED).

**Owner/Manager:** CITY OF ROSEVILLE

***Branchinecta lynchi***

vernal pool fairy shrimp

Element Code: ICBRA03030

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G3

CDFG Status:

State: None

State: S2S3

**Habitat Associations**

**General:** ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.

**Micro:** INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 412

Map Index: 64328

EO Index: 64407

Dates Last Seen

Occ Rank: Good

Element: 2005-02-10

Origin: Natural/Native occurrence

Site: 2005-02-10

Presence: Presumed Extant

Record Last Updated: 2006-03-23

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.78444° / -121.36823°

UTM: Zone-10 N4294120 E641729

Radius: 80 meters

Elevation: 90 ft

Mapping PrecisionSPECIFIC  
Symbol TypePOINT

Township: 11N

Range: 05E

Section: 24

Qtr: XX

Meridian: M

**Location:** ABOUT 0.6 MILES WNW OF INTERSECTION OF FIDDYMENT AND PHILLIPS ROADS.

**Location Detail:** POOL #590

**Ecological:** IN AGRICULTURAL AND RESIDENTIAL AREA.

**General:** 10S OBSERVED.

**Owner/Manager:** PVT

Occurrence No. 635

Map Index: 82419

EO Index: 83441

Dates Last Seen

Occ Rank: Unknown

Element: 1995-02-06

Origin: Natural/Native occurrence

Site: 1995-03-02

Presence: Presumed Extant

Record Last Updated: 2011-04-29

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.76601° / -121.31850°

UTM: Zone-10 N4292153 E646086

Area: 14.0 acres

Elevation: 130 ft

Mapping PrecisionSPECIFIC  
Symbol TypePOLYGON

Township: 11N

Range: 06E

Section: 33

Qtr: NW

Meridian: M

**Location:** OPEN AREA BETWEEN RESIDENTIAL HOUSING NE OF COUNTRY CLUB DR AT ACTON WAY, CENTERED ABOUT 2.2 MI NW OF ROSEVILLE PO.

**Location Detail:** 1995: 15 TOTAL WETLANDS SAMPLED BETWEEN PARCELS 32 (EO#635, THIS OCCURRENCE) & 72 (EO#44). PROVIDED MAP GRAPHIC APPEARED SHIFTED WEST OF TRUE LOCATION; MAPPED TO AERIAL IMAGE MATCHING PRESERVED HABITAT.

**Ecological:** CONSTRUCTED AND SEASONAL HARDPAN VERNAL POOLS WITH NON-NATIVE ANNUAL GRASSLAND.

**General:** BRANCHINECTA LYNCHI OBSERVED IN CONSTRUCTED VERNAL POOLS SOMETIME BETWEEN 6 FEB AND 2 MAR 1995.

**Owner/Manager:** CITY OF ROSEVILLE



***Buteo swainsoni***

Swainson's hawk

Element Code: ABNKC19070

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G5

CDFG Status:

State: Threatened

State: S2

**Habitat Associations**

**General:** BREEDS IN GRASSLANDS WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH LANDS

**Micro:** REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 791

Map Index: 42026

EO Index: 42026

— Dates Last Seen —

Occ Rank: Fair

Element: 1996-07-01

Origin: Natural/Native occurrence

Site: 1997-XX-XX

Presence: Presumed Extant

Record Last Updated: 1999-12-14

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.77076° / -121.34480°

UTM: Zone-10 N4292639 E643792

Radius: 80 meters

Elevation: 125 ft

Mapping Precision: SPECIFIC  
Symbol Type: POINT

Township: 11N

Range: 06E

Section: 30

Qtr: SE

Meridian: M

**Location:** KASEBERG CREEK, 0.75 MILE EAST OF FIDDYMENT ROAD AND 0.25 MILE NORTH OF PLEASANT GROVE BOULEVARD, EAST SIDE OF ROSEVILLE

**Location Detail:** NEST TREE IS LOCATED IN WHAT IS NOW THE NORTH EDGE OF AN OPEN SPACE CORRIDOR.

**Ecological:** HABITAT CONSISTS OF A WOODLAND CORRIDOR ALONG THE CREEK DRAINAGE.

**Threat:** THREATENED BY THE CONSTRUCTION OF A SUBDIVISION AND GOLF COURSE.

**General:** NESTING WAS INITIATED IN 1996, DURING GRADING, BUT PRIOR TO CONSTRUCTION, OF HOUSING; 2 YOUNG PRODUCED IN 1996. NEST SITE WAS UNUSED IN 1997, ALTHOUGH NEST TREE IS WITHIN AN OPEN SPACE CORRIDOR.

**Owner/Manager:** UNKNOWN

Occurrence No. 952

Map Index: 46025

EO Index: 46025

— Dates Last Seen —

Occ Rank: Good

Element: 2001-06-XX

Origin: Natural/Native occurrence

Site: 2001-06-27

Presence: Presumed Extant

Record Last Updated: 2001-10-03

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.79509° / -121.34800°

UTM: Zone-10 N4295334 E643465

Radius: 80 meters

Elevation: 110 ft

Mapping Precision: SPECIFIC  
Symbol Type: POINT

Township: 11N

Range: 06E

Section: 19

Qtr: N

Meridian: M

**Location:** ALONG PLEASANT GROVE CREEK, BETWEEN FIDDYMENT ROAD AND BLUE OAKS BOULEVARD, WEST SIDE OF ROSEVILLE

**Ecological:** NEST TREE WAS A BLUE OAK; SURROUNDING HABITAT CONSISTS OF BLUE OAK WOODLAND GROWING ALONG PLEASANT GROVE CREEK.

**Threat:** THREATENED BY DEVELOPMENT JUST WEST OF THE NEST SITE.

**General:** DARK-PHASE ADULT SWHA OBSERVED ON 26 APR 2001; NO NEST FOUND. NEST FOUND BY THOMAS LEEMAN (ESA), AND HE REPORTED THAT AT 2 YOUNG HAD BEEN PRODUCED. BY 27 JUN 2001, WHEN WE RETURNED TO GPS THE NEST, THE YOUNG HAD FLEDGED.

**Owner/Manager:** UNKNOWN

Occurrence No. 1484

Map Index: 62615

EO Index: 62652

— Dates Last Seen —

Occ Rank: Unknown

Element: 2001-07-02

Origin: Natural/Native occurrence

Site: 2001-07-02

Presence: Presumed Extant

Record Last Updated: 2005-09-20

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.86491° / -121.37009°

UTM: Zone-10 N4303048 E641408

Radius: 80 meters

Elevation: 50 ft

Mapping Precision: SPECIFIC  
Symbol Type: POINT

Township: 12N

Range: 05E

Section: 25

Qtr: XX

Meridian: M

**Location:** 0.2 MILE SOUTH OF MOORE ROAD AND 0.4 MILE EAST OF SOUTH DOWD AVENUE, AUBURN RAVINE, SW OF LINCOLN

**Ecological:** NEST TREE IS A VALLEY OAK; SURROUNDED BY PASTURE TO THE NE AND NW, AND RIPARIAN TO THE SE AND SW.

**General:** ACTIVE NEST OBSERVED ON 2 JUL 2001; UNABLE TO SEE INTO NEST TO COUNT CHICKS.

**Owner/Manager:** UNKNOWN

***Chloropyron molle ssp. hispidum***

hispid bird's-beak

Element Code: PDSCR0J0D1

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2T2

CNPS List: 1B.1

State: None

State: S2.1

**Habitat Associations**

**General:** MEADOWS, PLAYAS, VALLEY AND FOOTHILL GRASSLAND.

**Micro:** IN DAMP ALKALINE SOILS, ESPECIALLY IN ALKALINE MEADOWS AND ALKALI SINKS WITH DISTICHLIS. 10-155M.

Occurrence No. 11

Map Index: 11763

EO Index: 17846

Dates Last Seen

Occ Rank: Good

Element: 1997-06-18

Origin: Natural/Native occurrence

Site: 1997-06-18

Presence: Presumed Extant

Record Last Updated: 2011-08-04

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.81335° / -121.26006°

**Township:** 11N

**UTM:** Zone-10 N4297502 E651064

**Range:** 06E

**Area:** 25.4 acres

**Mapping Precision:** SPECIFIC

**Section:** 12

**Qtr:** SW

**Elevation:** 150 ft

**Symbol Type:** POLYGON

**Meridian:** M

**Location:** APPROXIMATELY 4 MILES NE OF ROSEVILLE.

**Location Detail:** WITHIN STANFORD RANCH ALKALI SEEP PRESERVE, SPRING VALLEY. SITE IS NEAR PARK DRIVE AND STANFORD RANCH ROAD INTERSECTION. IN THE SW 1/4 SECTION 12. NEAR 3 SEEPS.

**Ecological:** SPRING FED ALKALI MEADOW WITH DISTICHLIS SPICATA, SCIRPUS OLNEYI, FRANKENIA GRANDIFOLIA VAR. CAMPESTRIS, CRESSA TRUXILLENSIS, MONERMA CYLINDRICA, AND LIPPIA NODIFLORA. AREA SURROUNDED BY ALAMO VARIANT CLAY, BUT SOIL AT SITE IS UNCLASSIFIED.

**Threat:** GRAZING REMOVED BY 1991, FILL HAD BEEN DUMPED ON SITE IN 1989; SUBSEQUENTLY REMOVED TO RESOLVE WETLANDS VIOLATIONS.

**General:** OVER 10,000 PLANTS SEEN IN 1982, 2000-5000 SEEN IN 1989, AND ~2500 IN 1991. ACCORDING TO DAINS, DECLINE IN POP PROBABLY DUE TO WEATHER, NOT MANAGEMENT. SITE FENCED, HABITAT LOOKED GOOD IN LATE SEASON (JUNE) 1997 WINDSHIELD SURVEY.

**Owner/Manager:** PVT

**Downingia pusilla**

dwarf downingia

Element Code: PDCAM060C0

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2

CNPS List: 2.2

State: None

State: S2

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.

Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 33

Map Index: 11696

EO Index: 17398

Dates Last Seen

Occ Rank: Good

Element: 1985-04-19

Origin: Natural/Native occurrence

Site: 1985-04-19

Presence: Presumed Extant

Record Last Updated: 1989-08-11

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.82711° / -121.28884°

UTM: Zone-10 N4296982 E648536

Radius: 1/5 mile

Elevation: 145 ft

Township: 11N

Range: 06E

Section: 03

Qtr: SE

Mapping PrecisionNON-SPECIFIC

Symbol TypePOINT

Meridian: M

Location: 0.75 MILE SOUTH OF THE INTERSECTION OF HIGHWAY 65 AND PLEASANT GROVE ROAD, EAST OF HIGHWAY 65.

Ecological: VERNAL POOL ON CLAYPAN SUBSTRATE. ASSOCIATED WITH DOWNINGIA BICORNUTA, D. ORNATISSIMA, ALLOCARYA STIPITATA MICRANTHA.

Threat: AREA GRAZED, BUT LITTLE DISTURBANCE. PARCEL TO EAST BEING DEVELOPED.

General: MORE THAN 30 PLANTS OBSERVED IN 1985.

Owner/Manager: PVT, CALTRANS

Occurrence No. 36

Map Index: 11732

EO Index: 13217

Dates Last Seen

Occ Rank: None

Element: 1987-04-15

Origin: Natural/Native occurrence

Site: 1997-06-18

Presence: Possibly Extirpated

Record Last Updated: 1997-08-11

Trend: Decreasing

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.76878° / -121.26884°

UTM: Zone-10 N4292541 E650396

Radius: 1/5 mile

Elevation: 210 ft

Township: 11N

Range: 06E

Section: 26

Qtr: SE

Mapping PrecisionNON-SPECIFIC

Symbol TypePOINT

Meridian: M

Location: NE OF ROSEVILLE AND SW OF ROCKLIN POWER LINE.

Ecological: VERNAL POOL ON INKS-EXCHEQUER SOILS. ASSOCIATED WITH ALLOCARYA STIPITATA MICRANTHA, ALOPECURUS HOWELLII, LASTHENIA CHRYSOSTOMA, AND ERYNGIUM VASEYI.

Threat: SITE GRAZED AND RUTTED BY VEHICLE TRACKS. ROSEVILLE PLANS TO RETAIN AS URBAN RESERVE, BUT DEVELOPMENT SURROUNDS.

General: 1000-1500 PLANTS IN 1987. THIS AREA WAS GRADED WHEN VISITED IN 1997. SITE IS NOW LOCATED SOUTH OF ROSEVILLE PARKWAY AT DIAMOND OAKS ROAD.

Owner/Manager: UNKNOWN

Occurrence No. 37

Map Index: 11676

EO Index: 17396

Dates Last Seen

Occ Rank: None

Element: 1987-04-15

Origin: Natural/Native occurrence

Site: 1997-06-18

Presence: Extirpated

Record Last Updated: 1997-08-11

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.78878° / -121.29828°

UTM: Zone-10 N4294713 E647796

Radius: 1/5 mile

Elevation: 135 ft

Township: 11N

Range: 06E

Section: 22

Qtr: NW

Mapping PrecisionNON-SPECIFIC

Symbol TypePOINT

Meridian: M

Location: NORTH OF ROSEVILLE, EAST OF HIGHWAY 65, 2500 FEET EAST OF HIGHWAY 65 / HIGHWAY 65 BYPASS JUNCTION.

Ecological: SHALLOW VERNAL POOLS ON COMETA-FIDDYMENT SOILS COMPLEX. ASSOCIATED WITH ALLOCARYA STIPITATA MICRANTHA, CRASULA AQUATICA, DOWNINGIA ORNATISSIMA, AND GRATIOLA EBRACTEATA.

Threat: SITE GRAZED. THREATENED BY INDUSTRIAL PARK DEVELOPMENT TO SOUTHEAST.

General: MORE THAN 7000 PLANTS IN THREE VERNAL POOLS IN 1987. SITE WAS GRADED WHEN VISITED IN 1997. PLANTS PRESUMED EXTIRPATED.

Owner/Manager: UNKNOWN

**Downingia pusilla**

dwarf downingia

Element Code: PDCAM060C0

Status

NDDB Element Ranks

Other Lists

Federal: None  
State: None

Global: G2  
State: S2

CNPS List: 2.2

**Habitat Associations**

**General:** VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.

**Micro:** VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 60

Map Index: 26041

EO Index: 5230

Dates Last Seen

Occ Rank: Excellent  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 1990-04-14  
Site: 1990-04-14

Record Last Updated: 1994-08-08

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.85815° / -121.30393°

**UTM:** Zone-10 N4302402 E647162

**Area:** 10.1 acres

**Elevation:** 130 ft

**Township:** 12N

**Range:** 06E

**Section:** 28

**Meridian:** M

**Qtr:** SE

**Mapping Precision:** SPECIFIC  
**Symbol Type:** POLYGON

**Location:** BETWEEN HIGHWAY 65 AND INDUSTRIAL BLVD NORTH OF ORCHARD CREEK, 2.2 MILES SOUTH OF LINCOLN.

**Location Detail:** MAPPED ABOUT 0.6 AIR MILE SSW OF THE LINCOLN RODEO GROUNDS. WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 28 AND THE NW 1/4 OF THE SW 1/4 OF SECTION 27.

**Ecological:** NORTHERN CLAYPAN VERNAL POOLS ON SAN JOAQUIN SOIL SERIES AND NORTHERN VOLCANIC MUDFLOW VERNAL POOLS ON EXCHEQUER SERIES SOILS. ASSOCIATED WITH PLAGIOBOTHRYX STIPITATUS, DOWNINGIA BICORNUTA, LASTHENIA FREMONTII, NAVARRETTIA LEUCOCEPHALA, ETC.

**Threat:** SITE IS CURRENTLY GRAZED BY CATTLE. GENERAL AREA IS BEING DEVELOPED RAPIDLY.

**General:** MORE THAN 1000 PLANTS OBSERVED IN 1989. 237 PLANTS OBSERVED IN 1990. SITE HAS MANY LARGE POOLS, SWALES AND VERNAL FLATS. SAN JOAQUIN SERIES AND MUDFLOW POOLS BOTH PRESENT. AREA SHOULD BE EVALUATED FOR REGIONAL POOL PRESERVE.

**Owner/Manager:** PVT

Occurrence No. 97

Map Index: 43402

EO Index: 43402

Dates Last Seen

Occ Rank: Good  
Origin: Natural/Native occurrence  
Presence: Presumed Extant  
Trend: Unknown

Element: 2000-04-12  
Site: 2000-04-12

Record Last Updated: 2000-08-10

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.79212° / -121.36556°

**UTM:** Zone-10 N4294977 E641946

**Area:** 1.8 acres

**Elevation:** 95 ft

**Township:** 11N

**Range:** 05E

**Section:** 24

**Meridian:** M

**Qtr:** NE

**Mapping Precision:** SPECIFIC  
**Symbol Type:** POLYGON

**Location:** JUST WEST OF CONFLUENCE OF KASEBERG CREEK AND PLEASANT GROVE CREEK, NORTHWEST OF ROSEVILLE.

**Location Detail:** MAPPED IN SINGLE POOL ABOUT 0.35 MILE WEST OF ELBOW IN FIDDYMENT ROAD. WITHIN THE NW 1/4 NE 1/4 SECTION 24.

**Ecological:** VERNAL POOLS DOMINATED BY PLAGIOBOTHRYX STIPITATUS, POGOGYNE ZIZIPHOROIDES, PSILOCARPUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.

**Threat:** SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.

**General:** UNKNOWN NUMBER OF PLANTS OBSERVED IN SINGLE POOL IN 2000.

**Owner/Manager:** PVT

**Downingia pusilla**

dwarf downingia

Element Code: PDCAM060C0

Status: \_\_\_\_\_ NDDB Element Ranks: \_\_\_\_\_ Other Lists: \_\_\_\_\_  
Federal: None Global: G2 CNPS List: 2.2  
State: None State: S2

**Habitat Associations**

General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.

Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 98 Map Index: 43406 EO Index: 43406 Dates Last Seen: \_\_\_\_\_  
Occ Rank: Good Element: 2000-04-12  
Origin: Natural/Native occurrence Site: 2000-04-12  
Presence: Presumed Extant  
Trend: Unknown Record Last Updated: 2000-08-10

Quad Summary: Roseville (3812173/528D), Pleasant Grove (3812174/528C)

County Summary: Placer

Lat/Long: 38.79160° / -121.37589° Township: 11N  
UTM: Zone-10 N4294903 E641050 Range: 05E  
Area: 7.1 acres Mapping Precision: SPECIFIC Section: 24 Qtr: NW  
Elevation: 90 ft Symbol Type: POLYGON Meridian: M

Location: ABOUT 0.7 MILE WEST OF CONFLUENCE OF KASEBERG CREEK AND PLEASANT GROVE CREEK, NORTHWEST OF ROSEVILLE.

Location Detail: FOUR POOLS MAPPED WITHIN THREE POLYGONS AT CNDD, ABOUT 1 MILE WEST OF ELBOW IN FIDDYMENT ROAD. POOLS ARE WITHIN THE WEST HALF OF THE NW 1/4 OF SECTION 24.

Ecological: VERNAL POOLS DOMINATED BY PLAGIOBOTHRYX STIPITATUS, POGOGYNE ZIZIPHOROIDES, PSILOCARPHUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.

Threat: SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.

General: UNKNOWN NUMBER OF PLANTS OBSERVED IN FOUR POOLS IN 2000.

Owner/Manager: PVT

Occurrence No. 99 Map Index: 43407 EO Index: 43407 Dates Last Seen: \_\_\_\_\_  
Occ Rank: Good Element: 2000-04-12  
Origin: Natural/Native occurrence Site: 2000-04-12  
Presence: Presumed Extant  
Trend: Unknown Record Last Updated: 2011-09-14

Quad Summary: Roseville (3812173/528D), Pleasant Grove (3812174/528C)

County Summary: Placer

Lat/Long: 38.78170° / -121.37450° Township: 11N  
UTM: Zone-10 N4293806 E641190 Range: 05E  
Area: 3.8 acres Mapping Precision: SPECIFIC Section: 24 Qtr: SW  
Elevation: 100 ft Symbol Type: POLYGON Meridian: M

Location: ABOUT 1 MILE SOUTHWEST OF CONFLUENCE OF KASEBERG CREEK AND PLEASANT GROVE CREEK, NORTHWEST OF ROSEVILLE.

Location Detail: TWO POOLS MAPPED BY CNDD; JUST NORTH OF PHILIP ROAD ABOUT 0.9 MILE WEST OF FIDDYMENT ROAD. POOLS ARE WITHIN THE SW 1/4 SW 1/4 SECTION 24.

Ecological: VERNAL POOLS DOMINATED BY PLAGIOBOTHRYX STIPITATUS, POGOGYNE ZIZIPHOROIDES, PSILOCARPHUS BREVISSIMUS, NAVARETTIA LEUCOCEPHALA, AND HORDEUM MURINUM SSP. GOSSONEANUM.

Threat: SITE IS GRAZED AND RECEIVES RUNOFF FROM ADJACENT HOUSING. AREA IS SLATED FOR DEVELOPMENT.

General: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2000. 2010 AERIAL PHOTO SHOWS DEVELOPMENT AT SOUTHERN POOL; SOUTHERN COLONY IS PROBABLY EXTIRPATED.

Owner/Manager: PVT

***Downingia pusilla***

dwarf downingia

Element Code: PDCAM060C0

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2

CNPS List: 2.2

State: None

State: S2

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.

Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 110

Map Index: 50379

EO Index: 50379

Dates Last Seen

Occ Rank: Excellent

Element: 2002-05-03

Origin: Natural/Native occurrence

Site: 2002-05-03

Presence: Presumed Extant

Record Last Updated: 2011-09-14

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.85082° / -121.32974°

Township: 12N

UTM: Zone-10 N4301547 E644938

Range: 06E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 32

Qtr: NE

Elevation: 118 ft

Symbol Type: POINT

Meridian: M

Location: NORTH SIDE OF ORCHARD CREEK, 3 MILES SW OF LINCOLN, 1.4 MILES NW OF INDUSTRIAL AVE AT ATHENS AVE, NORTH OF ROSEVILLE.

Location Detail: MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 32.

Ecological: LARGE VERNAL POOLS WITH DOWNINGIA BICORNUTA, LASTHENIA FREMONTII, PSILOCARPHUS BREVISSIMUS, GRATIOLA EBRACTEATA, AND PLAGIOBOTHRYUS STIPITATUS. LEGENERE LIMOSA ALSO PRESENT.

Threat: LIGHT GRAZING.

General: FEWER THAN 100 PLANTS OBSERVED IN 2002 IN TWO POOLS, LIKELY TO OCCUR IN OTHER ADJACENT POOLS AS WELL. WITHIN CONSERVATION BANK.

Owner/Manager: PVT-WILDLANDS INC



***Elanus leucurus***

white-tailed kite

Element Code: ABNKC06010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G5

CDFG Status:

State: None

State: S3

**Habitat Associations**

**General:** ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

**Micro:** OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Occurrence No. 56

Map Index: 42671

EO Index: 42671

**Dates Last Seen**

Occ Rank: Good

Element: 1998-07-XX

Origin: Natural/Native occurrence

Site: 1999-XX-XX

Presence: Presumed Extant

Record Last Updated: 2000-03-30

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.78150° / -121.32739°

**Township:** 11N

**UTM:** Zone-10 N4293858 E645282

**Range:** 06E

**Radius:** 80 meters

**Mapping Precision:** SPECIFIC

**Section:** 20

**Qtr:** SE

**Elevation:** 125 ft

**Symbol Type:** POINT

**Meridian:** M

**Location:** ON THE WEST SIDE OF THE SOUTH BRANCH OF PLEASANT GROVE CREEK, BETWEEN FOOTHILLS BLVD AND WOODCREEK OAKS BLVD, ROSEVILLE.

**Location Detail:** SITE IS LOCATED ALONG THE BORDER BETWEEN WOODCREEK GOLF COURSE AND HEWLETT-PACKARD.

**Ecological:** HABITAT CONSISTS OF RIPARIAN/OAK WOODLAND, DOMINATED BY BLUE OAKS AND INTERIOR LIVE OAKS.

**Threat:** THREATENED BY ENCROACHING DEVELOPMENT ALONG WOODCREEK OAKS BLVD.

**General:** SITE WAS VISITED WEEKLY, MAR-JUL 1998; ADULT COURTSHIP TO 5 BEGGING FLEDGLINGS OBSERVED. KITES DID NOT NEST AT THIS LOCATION IN 1999, POSSIBLY DUE TO BOTH GREAT HORNED OWLS AND AMERICAN KESTRELS NESTING NEARBY.

**Owner/Manager:** PVT-HEWLETT PACKARD

<b>Gratiola heterosepala</b>			
Boggs Lake hedge-hyssop		Element Code: PDSCR0R060	
Status		NDDB Element Ranks	
Federal: None	Global: G2	Other Lists	
State: Endangered	State: S2	CNPS List: 1B.2	
Habitat Associations			
General: MARSHES AND SWAMPS (FRESHWATER), VERNAL POOLS.			
Micro: CLAY SOILS; USUALLY IN VERNAL POOLS, SOMETIMES ON LAKE MARGINS. 5-2400M.			

Occurrence No. 16	Map Index: 11749	EO Index: 7258	Dates Last Seen
Occ Rank: None	Origin: Natural/Native occurrence	Element: 1987-04-22	Site: 1997-06-18
Presence: Extirpated	Trend: Unknown	Record Last Updated: 2011-01-18	

Quad Summary: Roseville (3812173/528D)			
County Summary: Placer			
Lat/Long: 38.76720° / -121.26365°	UTM: Zone-10 N4292374 E650850		Township: 11N
Area: 6.4 acres	Mapping Precision: SPECIFIC	Section: 25	Qtr: SW
Elevation: 230 ft	Symbol Type: POLYGON	Meridian: M	

Location: NORTH OF ROSEVILLE, WEST OF ANTELOPE CREEK, WSW OF ROCKLIN.

Location Detail: THIS VERNAL POOL COMPLEX IS THE BEST EXAMPLE OF VOLCANIC MUDFLOW VERNAL POOLS IN ROSEVILLE (STROMBERG 1987). INCLUDES FORMER OCCURRENCE #17.

Ecological: NORTHERN HARDPAN VERNAL POOL ON EXCHEQUER VERY STONY LOAM SOIL. ASSOCIATED VEGETATION INCLUDES ERYNGIUM VASEYI, ALLOCARYA STIPATATA MICRANTHA, CALLITRICHE LONGIPEDUNCULATA, DOWNINGIA ORNATISSIMA, ISOETES SP, GRATIOLA EBRACTEATA, ETC.

Threat: AREA GRAZED AND PROPOSED FOR REGIONAL SHOPPING CENTER. 2009 AERIAL IMAGERY SHOWS SITE EXTIRPATED BY DEVELOPMENT.

General: OVER 40 PLANTS IN 2 SUBPOPULATIONS IN 1987. NOT OBSERVED IN 1997 (TOO LATE IN YEAR?). DEVELOPMENT IMMINENT IN 1997; ROSEVILLE BLVD EXPANSION HAS/WILL PROBABLY WIPE OUT MOST OF THIS OCCURRENCE. 2009 AERIAL IMAGERY SHOWS SITE EXTIRPATED.

Owner/Manager: PVT

***Hydrochara rickseckeri***

Ricksecker's water scavenger beetle

Element Code: IICOL5V010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G1G2

CDFG Status:

State: None

State: S1S2

Habitat Associations

General: AQUATIC.

Micro:

Occurrence No. 11

Map Index: 60753

EO Index: 60789

Dates Last Seen

Occ Rank: Unknown

Element: XXXX-XX-XX

Origin: Natural/Native occurrence

Site: XXXX-XX-XX

Presence: Presumed Extant

Record Last Updated: 2005-03-30

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.85443° / -121.28928°

Township: 12N

UTM: Zone-10 N4302013 E648441

Range: 06E

Radius: 4/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 27

Qtr: XX

Elevation: 140 ft

Symbol TypePOINT

Meridian: M

Location: TWELVE BRIDGES PRESERVE, SOUTH OF LINCOLN.

Location Detail: PRESERVE IS WEST AND SOUTH OF TWELVE BRIDGES HOUSING DEVELOPMENTS; MAPPED FROM APPROXIMATE LOCATION OF TWELVE BRIDGES ROAD.

General: ROGERS SAYS THAT THE POOL THE BEETLE WAS COLLECTED IN WAS DESTROYED WHEN THE DEVELOPMENT WAS BUILT, BUT THAT THE SPECIES ALSO OCCURS IN THE ADJACENT PRESERVE.

Owner/Manager: UNKNOWN

***Juncus leiospermus* var. *leiospermus***

Red Bluff dwarf rush

Element Code: PMJUN011L2

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2T2

CNPS List: 1B.1

State: None

State: S2.2

**Habitat Associations**

General: CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLANDS, VERNAL POOLS.

Micro: VERNALLY MESIC SITES. SOMETIMES ON EDGES OF VERNAL POOLS. 30-1020M.

Occurrence No. 10

Map Index: 11642

EO Index: 22188

Dates Last Seen

Occ Rank: Unknown

Element: 1982-04-28

Origin: Natural/Native occurrence

Site: 1997-06-18

Presence: Presumed Extant

Record Last Updated: 2003-04-08

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.80377° / -121.31189°

Township: 11N

UTM: Zone-10 N4296354 E646583

Range: 06E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 16

Qtr: NE

Elevation: 110 ft

Symbol Type:POINT

Meridian: M

Location: APPROX 0.5 MI N OF SCOW RD INDUSTRIAL BLVD, ROSEVILLE.

Location Detail: WEST OF RR TRACKS, SOUTH OF INDUSTRIAL WASTE PONDS AND EAST OF A POWERLINE.

Ecological: MARGINS OF VERNAL POOLS, LARGELY ON KILAGA LOAM SOILS.

Threat: THREATS INCLUDE HOUSING OR LIGHT INDUSTRY DEVELOPMENT.

General: NO PLANTS SEEN IN 1997 WINDSHIELD SURVEY; HABITAT APPEARED INTACT. WITHAM CONSIDERS THIS SITE TO BE ERROUNEOUS; IT IS WELL OUTSIDE THE REPORTED RANGE OF THIS SPECIES. IT MAY BE VAR. AHARTII OR A MISIDENTIFICATION. NEEDS FIELDWORK.

Owner/Manager: PVT

***Legenere limosa***

legeners

Status

NDDB Element Ranks

Element Code: PDCAM0C010

Other Lists

Federal: None

Global: G2

CNPS List: 1B.1

State: None

State: S2.2

Habitat Associations

General: VERNAL POOLS. MANY HISTORICAL OCCURRENCES ARE EXTIRPATED.

Micro: IN BEDS OF VERNAL POOLS. 1-880M.

Occurrence No. 11

Map Index: 11680

EO Index: 28357

Dates Last Seen

Occ Rank: Unknown

Element: 1984-04-XX

Origin: Natural/Native occurrence

Site: 1997-06-18

Presence: Presumed Extant

Record Last Updated: 1997-08-11

Trend: Decreasing

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.81155° / -121.29521°

Township: 11N

UTM: Zone-10 N4297245 E648016

Range: 06E

Area: 58.7 acres

Mapping PrecisionSPECIFIC

Section: 10

Qtr: SW

Elevation: 120 ft

Symbol TypePOLYGON

Meridian: M

Location: N TRIBUTARY OF PLEASANT GROVE CREEK, N OF PLEASANT GROVE CREEK, S OF PLACER BLVD, E OF HWY 65.

Ecological: VERNAL POOL AREA ON FLOODPLAIN OF INTERMITTENT STREAM.

Threat: PART OF AREA PLANNED FOR INDUSTRIAL PARK USE (AREA GRADED IN 1983). GRAVEL PIT TO SOUTH.

General: ABOUT 200 PLANTS IN 1984. NONE FOUND IN 1997 (TOO LATE IN SEASON). THE NORTHERN POOLS WHICH WERE MAPPED HERE IN 1984 APPEAR TO BE EXTIRPATED. S POOLS UNDISTURBED IN 1997.

Owner/Manager: PVT

Occurrence No. 14

Map Index: 11739

EO Index: 17380

Dates Last Seen

Occ Rank: None

Element: 1984-04-05

Origin: Natural/Native occurrence

Site: 1997-06-18

Presence: Extirpated

Record Last Updated: 1997-08-11

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.81156° / -121.26800°

Township: 11N

UTM: Zone-10 N4297290 E650379

Range: 06E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 11

Qtr: SE

Elevation: 150 ft

Symbol TypePOINT

Meridian: M

Location: FLOODPLAIN OF PLEASANT GROVE CREEK, APPROX 2.2 AIR MILES E OF JCT PLACER BLVD & SPRR TRACKS.

Location Detail: WHEN VISITED IN 1997, WHAT APPEARS TO BE DEDICATED OPEN SPACE WAS SEEN JUST TO THE EAST OF MAPPED LOCATION FOR THIS SITE. FUTURE SURVEYS SHOULD TARGET THIS AREA.

Ecological: VERNAL POOL AREA IN FLOODPLAIN OF INTERMITTENT STREAM. ASSOCIATED WITH RANUNCULUS BONARIENSIS TRISEPALUS.

General: ABOUT 100 PLANTS IN 1984. WINDSHIELD SURVEY CONDUCTED IN 1997 TO CONFIRM PRESENCE OR ABSENCE OF HABITAT; IF MAPS ARE ACCURATE, THIS SITE IS NOW UNDER THE PAVEMENT AT DEVON DR, FARRIER RD & RACHEL CT IN THE STANFORD RANCH SUBDIVISION.

Owner/Manager: PVT

Occurrence No. 58

Map Index: 48978

EO Index: 48978

Dates Last Seen

Occ Rank: Good

Element: 2002-05-03

Origin: Natural/Native occurrence

Site: 2002-05-03

Presence: Presumed Extant

Record Last Updated: 2010-04-29

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.85079° / -121.32824°

Township: 12N

UTM: Zone-10 N4301546 E645068

Range: 06E

Area: 7.3 acres

Mapping PrecisionSPECIFIC

Section: 32

Qtr: NE

Elevation: 118 ft

Symbol TypePOLYGON

Meridian: M

Location: NORTH SIDE OF ORCHARD CREEK, 1.4 MILES NW OF INTERSECTION OF INDUSTRIAL AND ATHENS AVE, 3 MILES SOUTHWEST OF LINCOLN.

Location Detail: MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 32.

Ecological: SCATTERED MARGINS OF LARGE VERNAL POOL WITH PLAGIOBOTHRYUS UNDULATUS, P. STIPITATUS, LASTHENIA FREMONTII, L. GLABERRIMA, DOWNINGIA BICORNUTA, NAVARRETTIA LEUCOCEPHALA, AND CALLITRICHE MARGINATA.

Threat: LIGHT DISTURBANCE FROM GRAZING.

General: IN 2002 HUNDREDS OF PLANTS OBSERVED IN FOUR POOLS; LIKELY TO OCCUR IN OTHER ADJACENT POOLS.

Owner/Manager: PVT-WILDLANDS INC

***Lepidurus packardii***

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status  
Federal: Endangered  
State: None

NDDB Element Ranks  
Global: G3  
State: S2S3

Other Lists  
CDFG Status:

**Habitat Associations**

**General:** INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.

**Micro:** POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 24

Map Index: 32457

EO Index: 1900

— Dates Last Seen —

Occ Rank: Unknown

Element: 1995-02-09

Origin: Natural/Native occurrence

Site: 1995-02-09

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1997-03-04

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.76950° / -121.32354°

**UTM:** Zone-10 N4292533 E645642

**Radius:** 1/5 mile

**Elevation:** 130 ft

**Township:** 11N

**Range:** 06E

**Section:** 29

**Meridian:** M

**Qtr:** SE

**Mapping Precision:** NON-SPECIFIC  
**Symbol Type:** POINT

**Location:** BETWEEN KASEBERG CREEK & SOUTH BRANCH PLEASANT GROVE CREEK; 1.8 KM WEST OF SOUTHERN PACIFIC RR X HWY 65.

**Location Detail:** WOODCREEK OAKS MITIGATION SITES. 14 WATER BODIES WERE SAMPLED ON FEB 9, 10, 27 & MARCH 14, 1995. LEPIDURUS PACKARDI FOUND IN ONLY 1 POOL & ONLY ON 2/9/95. SUGNET OBSERVED TADPOLE SHRIMP IN A MANMADE VERNAL POOL SOMEWHERE IN SEC 29 ON 2/4/93

**Ecological:** HARDPAN VERNAL POOL IN ANNUAL NON-NATIVE GRASSLAND. ON 2/9/95 THE SURFACE AREA WAS 129 SQ METERS & THE WATER DEPTH WAS 16 CM. WETLAND COMPENSATION/MITIGATION PRESERVE. ALSO, A MANMADE VERNAL POOL SOMEWHERE IN SEC 29.

**General:** POOL #C2: 50+ ADULTS OBSERVED; 3 ADULTS COLLECTED & DEPOSITED IN CAS. THE INFORMATION PROVIDED BY THE CONSULTANT HAS CONFLICTING DATA ON THE LOCATION OF THIS POOL; THIS SITE WAS MAPPED ACCORDING TO THE MAP THEY PROVIDED, NOT THE T-R-S GIVEN

**Owner/Manager:** PVT-SARES REGIS GROUP



***Linderiella occidentalis***

California *Linderiella*

Element Code: ICBRA06010

<b>Status</b>	<b>NDDB Element Ranks</b>	<b>Other Lists</b>
Federal: None	Global: G3	CDFG Status:
State: None	State: S2S3	

**Habitat Associations**

**General:** SEASONAL POOLS IN UNFLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.

**Micro:** WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

<b>Occurrence No.</b> 90	<b>Map Index:</b> 32457	<b>EO Index:</b> 1898	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1995-02-09
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1995-02-09
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 1995-10-11

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

<b>Lat/Long:</b> 38.76950° / -121.32354°	<b>Township:</b> 11N
<b>UTM:</b> Zone-10 N4292533 E645642	<b>Range:</b> 06E
<b>Radius:</b> 1/5 mile	<b>Section:</b> 29
<b>Elevation:</b> 130 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Qtr:</b> SE
<b>Symbol Type:</b> POINT	

**Location:** BETWEEN KASEBERG CREEK & SOUTH BRANCH PLEASANT GROVE CREEK; 1.8 KM WEST OF SOUTHERN PACIFIC RR X HWY 65.

**Location Detail:** 14 WATER BODIES WERE SAMPLED ON 2/9, 10, 27 & 3/14/95. LINDERIELLA WAS FOUND IN THIS POOL & 2 OTHERS ON 2/9/95. IN 5 POOLS ON 2/10, IN 1 POOL ON 2/27 & 1 POOL ON 3/14/95. THE LOCATIONS OF THE OTHER POOLS WAS NOT GIVEN.

**Ecological:** HARDPAN VERNAL POOL IN ANNUAL NON-NATIVE GRASSLAND. ON 2/9/95 THE SURFACE AREA WAS 129 SQ METERS & THE DEPTH WAS 16 CM. WETLAND COMPENSATION/MITIGATION PRESERVE.

**General:** POOL #C2: >50 ADULTS OBSERVED. ALSO FOUND IN POOLS 49, C1, 06, 26, E2, N2, 102, 15, & 30. THE INFORMATION PROVIDED BY THE CONSULTANT HAS CONFLICTING DATA ON LOCATION OF THIS POOL; SITE WAS MAPPED ACCORDING TO THEIR MAP, NOT THEIR T-R-S.

**Owner/Manager:** PVT-SARES REGIS GROUP

<b>Occurrence No.</b> 111	<b>Map Index:</b> 32456	<b>EO Index:</b> 4988	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1997-02-25
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1997-02-25
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2011-07-08

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

<b>Lat/Long:</b> 38.76087° / -121.33772°	<b>Township:</b> 11N
<b>UTM:</b> Zone-10 N4291553 E644427	<b>Range:</b> 06E
<b>Area:</b> 44.0 acres	<b>Section:</b> 32
<b>Elevation:</b> 120 ft	<b>Meridian:</b> M
<b>Mapping Precision:</b> SPECIFIC	<b>Qtr:</b> NW
<b>Symbol Type:</b> POLYGON	

**Location:** SILVERADO OAKS MITIGATION SITE, NW OF THE WOODCREEK OAKS BLVD & JUNCTION BLVD JCT, ABOUT 3 MI WNW OF ROSEVILLE PO.

**Location Detail:** 1995: 15 TOTAL WETLANDS SAMPLED BETWEEN PARCELS 32 (EO#390) & 72 (EO#111, THIS OCCURRENCE). 1996: 10 SAMPLED. 1997: 13 SAMPLED. PROVIDED MAP GRAPHIC APPEARED SHIFTED WEST OF TRUE LOCATION; MAPPED TO AERIAL IMAGE MATCHING PRESERVED HABITAT.

**Ecological:** CONSTRUCTED AND SEASONAL HARDPAN VERNAL POOLS WITHIN NON-NATIVE ANNUAL GRASSLAND. BRANCHINECTA LYNCHI ALSO OBSERVED IN AREA IN 1995, BUT NOT IN 1996 OR 1997.

**General:** 1995: UNKNOWN NUMBERS OF LINDERIELLA OBSERVED IN CONSTRUCTED POOLS IN PARCELS 32 & 72. 1996: >50 ADULTS OBSERVED IN CONSTRUCTED POOLS (VP106 & VP108). 1997: 10'S OBSERVED IN HVE & VP107, 1000'S OBSERVED IN VP106.

**Owner/Manager:** CITY OF ROSEVILLE

***Linderiella occidentalis***

California *Linderiella*

Element Code: ICBRA06010

Status  
Federal: None  
State: None

NDDB Element Ranks  
Global: G3  
State: S2S3

Other Lists  
CDFG Status:

**Habitat Associations**

**General:** SEASONAL POOLS IN UNFLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.  
**Micro:** WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 142

Map Index: 34814

EO Index: 1863

— Dates Last Seen —

Occ Rank: Unknown

Element: 2005-01-26

Origin: Natural/Native occurrence

Site: 2005-01-26

Presence: Presumed Extant

Record Last Updated: 2006-03-27

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.80283° / -121.30587°

**UTM:** Zone-10 N4296259 E647108

**Area:**

**Elevation:** 100 ft

**Mapping Precision:** NON-SPECIFIC  
**Symbol Type:** POLYGON

**Township:** 11N

**Range:** 06E

**Section:** 16

**Meridian:** M

**Qtr:** XX

**Location:** NORTH OF ROSEVILLE; WEST OF HWY 65, SOUTH OF PLEASANT GROVE CREEK AND 0.8 KM NORTH OF SCOW ROAD.

**Location Detail:** FOOTHILL BUSINESS PARK MITIGATION SITE, PARCELS 1, 6. POOL LOCATIONS NOT GIVEN FOR LINDERIELLA OCCIDENTALIS. 1995:12 POOLS SURVEYED. 1996:14 POOLS SURVEYED. 1998:13 POOLS SAMPLED. 2003:4 POOLS SAMPLED, OBS IN POOL 8. 2005: 10 POOLS SAMPLED

**Ecological:** CONSTRUCTED AND HISTORIC WETLANDS (VERNAL POOLS, SEASONAL WETLANDS) ARE INTERSPERSED WITHIN NON-NATIVE ANNUAL GRASSLAND.

**General:** 1995:NONE OBS. 1/30/1996: 50+ ADULTS IN 4 POOLS. 3/11/1996: 50+ ADULTS IN 2 POOLS. 1/14/97:OBS IN 12 POOLS. 1/13/98:100S IN 2 POOLS. 3/2/98:1000S IN 5 POOLS. 01/27/05:1000'S IN POOL 16, 100'S IN POOL 26. 2006:1000S IN POOL 18.

**Owner/Manager:** PVT-STANFORD RANCH

Occurrence No. 143

Map Index: 34815

EO Index: 29309

— Dates Last Seen —

Occ Rank: Unknown

Element: 1996-02-05

Origin: Natural/Native occurrence

Site: 1996-04-29

Presence: Presumed Extant

Record Last Updated: 1996-09-06

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.79360° / -121.32161°

**UTM:** Zone-10 N4295210 E645760

**Area:**

**Elevation:** 125 ft

**Mapping Precision:** NON-SPECIFIC  
**Symbol Type:** POLYGON

**Township:** 11N

**Range:** 06E

**Section:** 21

**Meridian:** M

**Qtr:** NW

**Location:** NNW OF ROSEVILLE; 1.8 KM SOUTHWEST OF SOUTHERN PACIFIC RR X PLEASANT GROVE CREEK.

**Location Detail:** HEWLETT PACKARD-90 ACRE PARCEL. 1995 AND 1996: TOTAL OF 103 WATERBODIES SURVEYED EACH YEAR.

**Ecological:** SEASONAL WATERBODIES WITHIN NON-NATIVE ANNUAL GRASSLAND.

**General:** 1995: LINDERIELLA OBSERVED IN 8 POOLS (#10, 16, 29, 59, 65, 69, 76 & 78) BETWEEN 12/22/1994 AND 3/7/1995. 1996: LINDERIELLA OBSERVED IN 3 POOLS (#10, 16 & 29) BETWEEN 12/26/1995 AND 2/5/1996.

**Owner/Manager:** PVT-HEWLETT PACKARD

Occurrence No. 145

Map Index: 34816

EO Index: 5003

— Dates Last Seen —

Occ Rank: Unknown

Element: 1996-04-02

Origin: Natural/Native occurrence

Site: 1996-04-29

Presence: Presumed Extant

Record Last Updated: 1996-07-16

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.78594° / -121.32498°

**UTM:** Zone-10 N4294354 E645483

**Area:**

**Elevation:** 115 ft

**Mapping Precision:** NON-SPECIFIC  
**Symbol Type:** POLYGON

**Township:** 11N

**Range:** 06E

**Section:** 20

**Meridian:** M

**Qtr:** SE

**Location:** NORTHWEST OF ROSEVILLE; 2.0 KM NORTHWEST OF HWY 65 X INDUSTRIAL BLVD.

**Location Detail:** HEWLETT PACKARD-210 ACRE PROPERTY. 1996: TOTAL OF 43 WATERBODIES SURVEYED.

**Ecological:** SEASONAL WATERBODIES (VERNAL POOLS, SEASONAL WETLANDS) WITHIN NON-NATIVE ANNUAL GRASSLAND.

**General:** 1996: 50+ ADULTS OBSERVED IN 6 POOLS (148, 149, 150, 151, 152 & 153), AND <50 ADULTS OBSERVED IN POOL #129.

**Owner/Manager:** PVT-HEWLETT PACKARD

***Linderiella occidentalis***

California *Linderiella*

Element Code: ICBRA06010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3

CDFG Status:

State: None

State: S2S3

**Habitat Associations**

**General:** SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.

**Micro:** WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 146

Map Index: 34817

EO Index: 3450

Dates Last Seen

Occ Rank: Unknown

Element: 1998-03-02

Origin: Natural/Native occurrence

Site: 1998-03-02

Presence: Presumed Extant

Record Last Updated: 2011-04-22

Trend: Unknown

**Quad Summary:** Lincoln (3812183/528A), Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.86272° / -121.32379°

**Township:** 12N

**UTM:** Zone-10 N4302877 E645430

**Range:** 06E

**Area:** 218.8 acres

**Mapping Precision:** SPECIFIC

**Section:** 29

**Qtr:** XX

**Elevation:** 125 ft

**Symbol Type:** POLYGON

**Meridian:** M

**Location:** LARGE AREA W OF HWY 65 (NOW BISECTED BY NEW HWY 65 ROUTE) AND S OF AUBURN RAVINE, CENTERED 1.7 MI SW LINCOLN PO.

**Location Detail:** LINCOLN CROSSING MITIGATION SITE. COVERS PORTIONS OF SEVERAL SECTIONS. 1995: 10 TOTAL WATERBODIES SURVEYED. 1996: 42 TOTAL WATERBODIES SURVEYED. 1997: 49 TOTAL WATERBODIES SURVEYED. 1998: 20 TOTAL WATERBODIES SURVEYED.

**Ecological:** SEASONALLY INUNDATED WATERBODIES (VERNAL POOLS, SEASONAL WETLANDS) W/IN NON-NATIVE ANNUAL GRASSLAND. WETLAND COMPENSATION/MITIGATION PRESERVE. ADJACENT AREAS HAVE BEEN DEVELOPED FOR RESIDENTIAL HOUSING BY 2010.

**General:** 1995: UNKNOWN NUMBER OBS. 1996: 50+ ADULTS OBS IN 28 POOLS, LESS THAN 50 OBS IN 4 POOLS; B. LYNCHI IN SOME POOLS. 1997: 10-100 OBS IN 27 POOLS. 1998: 1000S OBS IN 13 POOLS AND 100S OBS IN 1 POOL.

**Owner/Manager:** PVT-STERLING PACIFIC ASSETS

Occurrence No. 150

Map Index: 32516

EO Index: 1882

Dates Last Seen

Occ Rank: Excellent

Element: 1996-02-09

Origin: Natural/Native occurrence

Site: 1996-03-13

Presence: Presumed Extant

Record Last Updated: 1996-09-05

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.86505° / -121.29394°

**Township:** 12N

**UTM:** Zone-10 N4303184 E648015

**Range:** 06E

**Area:**

**Mapping Precision:** NON-SPECIFIC

**Section:** 27

**Qtr:** NW

**Elevation:** 140 ft

**Symbol Type:** POLYGON

**Meridian:** M

**Location:** EASTRIDGE PROJECT SOUTHERN WETLAND PRESERVE; 1.0 KM EAST OF HWY 65; 2.2 KM SOUTH OF LINCOLN.

**Ecological:** NORTHERN HARDPAN VERNAL POOL HABITAT WITH CONSTRUCTED VERNAL POOLS (3.95 ACRES), CONSTRUCTED SEASONAL WETLANDS (1.95 ACRES), AND REFERENCE VERNAL POOLS IN ANNUAL GRASSLAND.

**Threat:** FUTURE RESIDENTIAL DEVELOPMENT PLANNED IN ADJACENT AREA; DIRT ROADS BISECT PRESERVE; GRAZING; RODEO GROUNDS TO THE NW.

**General:** 1996 (THIRD MONITORING YEAR): 1/11-LOW DENSITIES OF LINDERIELLA OBSERVED IN POOL #SW4, B. LYNCHI ALSO PRESENT. 2/9-LOW DENSITIES OF LINDERIELLAS OBSERVED IN POOLS #7 AND 8.

**Owner/Manager:** PVT-PLACER HOLDINGS

***Linderiella occidentalis***

California *Linderiella*

Element Code: ICBRA06010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3

CDFG Status:

State: None

State: S2S3

Habitat Associations

General: SEASONAL POOLS IN UNFLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.

Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 157

Map Index: 38256

EO Index: 33921

Dates Last Seen

Occ Rank: Unknown

Element: 1997-01-16

Origin: Natural/Native occurrence

Site: 1997-01-16

Presence: Presumed Extant

Record Last Updated: 1998-06-10

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.78083° / -121.34926°

Township: 11N

UTM: Zone-10 N4293749 E643384

Range: 06E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 30

Qtr: XX

Elevation: 120 ft

Symbol TypePOLYGON

Meridian: M

Location: EAST OF FIDDYMENT ROAD, WEST OF FOOTHILLS BLVD, AND NORTH OF BASELINE ROAD, NW OF ROSEVILLE.

Ecological: HABITAT CONSISTS OF SEASONAL WETLANDS, REFERENCE VERNAL POOLS, AND CONSTRUCTED VERNAL POOLS WITHIN A DESIGNATED WETLAND MITIGATION AREA. SURROUNDING UPLAND CONSISTS OF NON-NATIVE ANNUAL GRASSLAND/MIXED OAK WOODLAND.

Threat: THREATENED BY SURROUNDING DEVELOPMENT (GOLF COURSES AND RESIDENTIAL DEVELOPMENT).

General: CALIFORNIA LINDERIELLA WERE IDENTIFIED WITHIN 83 (44%) OF THE CONSTRUCTED VERNAL POOLS & SEASONAL WETLANDS AND 4 (21%) OF THE REFERENCE VERNAL POOLS SEASONAL WETLANDS. BRANCHINECTA LYNCHI ALSO OBSERVED.

Owner/Manager: PVT

Occurrence No. 184

Map Index: 42742

EO Index: 42742

Dates Last Seen

Occ Rank: Unknown

Element: 1997-02-12

Origin: Natural/Native occurrence

Site: 1997-02-12

Presence: Presumed Extant

Record Last Updated: 2000-04-12

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.85091° / -121.31974°

Township: 12N

UTM: Zone-10 N4301573 E645806

Range: 06E

Area: 224.1 acres

Mapping PrecisionSPECIFIC

Section: 33

Qtr: XX

Elevation: 120 ft

Symbol TypePOLYGON

Meridian: M

Location: 1 MILE NW OF PLEASANT GROVE ROAD & SP RAILROAD, 1 MILE E OF ORCHARD CREEK & INGRAM SLOUGH CONFLUENCE, NNW OF

Location Detail: MOST OF THE NW AND BOTTOM HALF NE PORTIONS OF ORCHARD CREEK MIDIGATION BANK. MAJORITY OF VERNAL POOLS ARE ON SAN JOAQUIN SANDY LOAM AND ALAMO-FIDDYMENT COMPLEX SOILS. MORE MAP DETAIL IN REPORT. 170 OF THE 694 EXISTING POOLS WERE SAMPLED.

Ecological: ENDEMIC VEGETATION: RANUNCULUS ALVEOLATUS, ERYNGIUM VASEYI, PLAGIOBOTHRYUS STIPITAUS, PSILICARPHUS ZIZYPHOROIDES, DESCHAMPSIA DAMTHONIODES, NAVARRETIA LEUCOCEPHALA

General: OBSERVED LINDERIELLA IN 82 OF THE 170 POOLS SAMPLED, 81 AT THIS LOCATION, FOR AN APPROXIMATE OCCURRENCE RATE OF 48 PERCENT, WITH ABUNDANCE RANGING FROM LOW TO HIGH.

Owner/Manager: UNKNOWN

***Linderiella occidentalis***

California *Linderiella*

Element Code: ICBRA06010

**Status**  
 Federal: None  
 State: None

**NDDB Element Ranks**  
 Global: G3  
 State: S2S3

**Other Lists**  
 CDFG Status:

**Habitat Associations**

**General:** SEASONAL POOLS IN UNFLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.  
**Micro:** WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

**Occurrence No.** 185

**Map Index:** 42747

**EO Index:** 42747

**Dates Last Seen**

**Occ Rank:** Unknown  
**Origin:** Natural/Native occurrence  
**Presence:** Presumed Extant  
**Trend:** Unknown

**Element:** 1997-02-12  
**Site:** 1997-02-12

**Record Last Updated:** 2000-04-12

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.84478° / -121.31588°  
**UTM:** Zone-10 N4300899 E646153  
**Radius:** 80 meters  
**Elevation:** 115 ft

**Mapping Precision:** SPECIFIC  
**Symbol Type:** POINT

**Township:** 12N  
**Range:** 06E  
**Section:** 33  
**Meridian:** M  
**Qtr:** SW

**Location:** 0.6 MILE NW OF PLEASANT GROVE RD & SP RR, 1.4 MILE ESE OF ORCHARD CREEK & INGRAM SLOUGH CONFLUENCE, NNW OF ROSEVILLE.  
**Location Detail:** JUST SOUTH OF ORCHARD CREEK, ORCHARD CREEK MIDIGATION BANK. MAJORITY OF VERNAL POOLS ARE ON SAN JOAQUIN SANDY LOAM AND ALAMO-FIDDYMENT COMPLEX SOILS. MORE MAP DETAIL IN REPORT.

**Ecological:** ENDEMIC VEGETATION: RANUNCULUS ALVEOLATUS, ERYNGIUM VASEYI, PLAGIOBOTHRYUS STIPITAUS, PSILICARPHUS ZIZYPHOROIDES, DESCHAMPSIA DAMTHONIODES, NAVARRETIA LEUCOCEPHALA

**General:** OBSERVED LINDERIELLA THIS POOL WAS RATED HIGH IN ABUNDANCE.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 187

**Map Index:** 46106

**EO Index:** 46109

**Dates Last Seen**

**Occ Rank:** Unknown  
**Origin:** Natural/Native occurrence  
**Presence:** Presumed Extant  
**Trend:** Unknown

**Element:** 2006-01-09  
**Site:** 2006-01-09

**Record Last Updated:** 2006-03-27

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.78973° / -121.33683°  
**UTM:** Zone-10 N4294757 E644445  
**Area:**  
**Elevation:** 115 ft

**Mapping Precision:** NON-SPECIFIC  
**Symbol Type:** POLYGON

**Township:** 11N  
**Range:** 06E  
**Section:** 20  
**Meridian:** M  
**Qtr:** NW

**Location:** 1 MILE SW OF THE INTERSECTION OF FIDDYMENT ROAD AND PLEASANT GROVE CREEK, ROSEVILLE  
**Location Detail:** WOODCREEK NORTH OPEN SPACE PRESERVWETLAND COMPENSATION AREA.

**Ecological:** HABITAT CONSISTS OF ANNUAL GRASSLAND WITH CONSTRUCTED AND HISTORIC VERNAL POOLS SURROUNDED BY OAK WOODLAND. BRANCHINECTA LYNCHI ALSO FOUND HERE.

**General:** UNKNOWN # OBS 7 MAR 2001. 1000'S OBS 28 FEB 2002 IN POOL C. FOUND IN POOLS 2, 3, 5, & 7 IN JAN 2003. 1000'S OBS. 17 FEB 2004 IN POOL #5. 7 JAN 2005: 1000'S IN POOLS SWB, SWC, SWE; 100'S IN POOL SWF. JAN 2006: 10S-1000S IN 7 POOLS.

**Owner/Manager:** CITY OF ROSEVILLE

**Occurrence No.** 194

**Map Index:** 47451

**EO Index:** 47451

**Dates Last Seen**

**Occ Rank:** Good  
**Origin:** Natural/Native occurrence  
**Presence:** Presumed Extant  
**Trend:** Stable

**Element:** 2005-01-11  
**Site:** 2005-01-11

**Record Last Updated:** 2011-07-08

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.77346° / -121.28207°  
**UTM:** Zone-10 N4293039 E649236  
**Area:** 28.7 acres  
**Elevation:** 160 ft

**Mapping Precision:** SPECIFIC  
**Symbol Type:** POLYGON

**Township:** 11N  
**Range:** 06E  
**Section:** 26  
**Meridian:** M  
**Qtr:** SW

**Location:** ALONG CREEK ON N EDGE OF DIAMOND OAKS MUNICIPAL GOLF COURSE, 1.7 MI N OF ROSEVILLE PO.

**Location Detail:** 1997: SPECIES OBS IN 9 OF 17 POOLS SAMPLED. 1998: SP OBS IN 2 OF 9 POOLS SAMPLED. 1999: SP OBS IN 2 OF 11 POOLS SAMPLED. 2004: SP OBS IN 1 OF 11 POOLS SAMPLED. 2005: SP OBS IN 2 OF 10 POOLS SAMPLED. 2006: SP OBS IN 1 OF 12 POOLS SAMPLED.

**Ecological:** CONSTRUCTED VERNAL POOLS (1.5 ACRES) WITHIN AREA DOMINATED BY NON-NATIVE ANNUAL GRASSLAND SURROUNDED BY DEVELOPMENT. 1/8/98: VP7 SURFACE AREA 4X12M, DEPTH 10CM; VP10 SURFACE AREA 4X8M, DEPTH 10CM. 2/27/98: VP7 SURFACE AREA 4X16M, DEPTH 16.

**General:** JAN 1997: 10S OBS IN 3 POOLS, 100S IN 3 POOLS, 1000S IN 3 POOLS. JAN & FEB 1998: 100S IN VP77, VP10 & VP7. MAR 1999: 1000S IN VP7 & VP16. FEB 2004: 100S IN POOL U15. JAN 2005: 100S IN POOL U18, 10S IN POOL U47. JAN 2006: 100S IN POOL U80.



***Linderiella occidentalis***

California *Linderiella*

Element Code: ICBRA06010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3

CDFG Status:

State: None

State: S2S3

**Habitat Associations**

**General:** SEASONAL POOLS IN UNFLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.

**Micro:** WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

**Owner/Manager:** PVT, CITY OF ROSEVILLE

**Occurrence No.** 199

**Map Index:** 64299

**EO Index:** 48405

**Dates Last Seen**

**Occ Rank:** Unknown

**Element:** 2005-03-02

**Origin:** Natural/Native occurrence

**Site:** 2005-03-02

**Presence:** Presumed Extant

**Record Last Updated:** 2011-04-25

**Trend:** Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.84960° / -121.35768°

**UTM:** Zone-10 N4301369 E642515

**Area:**

**Elevation:** 100 ft

**Mapping Precision:** NON-SPECIFIC  
**Symbol Type:** POLYGON

**Township:** 12N

**Range:** 06E

**Section:** 31

**Meridian:** M

**Qtr:** NW

**Location:** IN THE GENERAL AREA NW OF FIDDYMENT RD AT E CATLETT RD, S OF ORCHARD CREEK, 4.5 MILES SW OF LINCOLN PO.

**Location Detail:** MOORE RANCH, LOCATED IN NW1/4 SEC 31 & NE1/4 SEC 36.

**Ecological:** HABITAT CONSISTS OF VERNAL POOLS (WITHIN A VERNAL POOL COMPLEX) SURROUNDED BY ANNUAL GRASSLAND. POOL DEPTH AT SAMPLING: 13CM. SURFACE AREA AT SAMPLING: 30M X 7M. AREA IS A WETLAND MITIGATION SITE.

**General:** 10'S OBS IN 1 POOL 13 FEB 1997. 10'S OBS IN ONE POOL IN THE WESTERN AREA 28 FEB 2002. OBS IN 2 OF 46 SAMPLED POOLS IN EASTERN AREA JAN & FEB 2002. OBS IN 3 OF 47 SAMPLED POOLS JAN & MAR 2003. 10'S TO 1000'S OBS IN 16 POOLS FEB & MAR 2005.

**Owner/Manager:** MOORE RANCH CONSERVANCY

**Occurrence No.** 200

**Map Index:** 48410

**EO Index:** 48410

**Dates Last Seen**

**Occ Rank:** Unknown

**Element:** 2005-01-21

**Origin:** Natural/Native occurrence

**Site:** 2005-01-21

**Presence:** Presumed Extant

**Record Last Updated:** 2005-10-17

**Trend:** Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.78679° / -121.29375°

**UTM:** Zone-10 N4294499 E648193

**Area:** 20.1 acres

**Elevation:** 130 ft

**Mapping Precision:** SPECIFIC  
**Symbol Type:** POLYGON

**Township:** 11N

**Range:** 06E

**Section:** 22

**Meridian:** M

**Qtr:** NE

**Location:** 2.5 MILES NORTH ROSEVILLE; 0.4 MILES EAST OF INTERSECTION OF EAST ROSEVILLE PARKWAY & WASHINGTON BLVD, W OF HWY 65.

**Location Detail:** HIGHLAND RESERVE SOUTH

**Ecological:** HABITAT CONSISTS OF PRESERVE WITH CONSTRUCTED & HISTORIC VERNAL POOLS WITHIN A NON-NATIVE ANNUAL GRASSLAND. SURROUNDED BY URBAN AREAS & DEVELOPMENT.

**General:** 100'S OF INDIVIDUALS OBSERVED WITHIN POOL #ND ON 4 JAN 2002, AND AN UNKNOWN NUMBER WERE OBSERVED IN POOLS #N92, N108, AND NL ON 12 AND 16 FEB 2004. 10'S OBS IN POOLS ND, N82, N87 ON 21 JAN 2005.

**Owner/Manager:** CITY OF ROSEVILLE



***Linderiella occidentalis***

California *Linderiella*

Element Code: ICBRA06010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3

CDFG Status:

State: None

State: S2S3

Habitat Associations

General: SEASONAL POOLS IN UNFLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.

Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 201

Map Index: 48420

EO Index: 48420

Dates Last Seen

Occ Rank: Unknown

Element: 2006-01-09

Origin: Natural/Native occurrence

Site: 2006-01-09

Presence: Presumed Extant

Record Last Updated: 2006-03-27

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.76474° / -121.35109°

UTM: Zone-10 N4291961 E643258

Area: 46.9 acres

Elevation: 125 ft

Mapping Precision SPECIFIC  
Symbol Type: POLYGON

Township: 11N

Range: 06E

Section: 31

Meridian: M

Qtr: N

Location: 3 MILES NW OF ROSEVILLE; ALONG POWER LINES, 0.1 TO 0.8 MILE EAST OF FIDDYMENT ROAD.

Location Detail: WOODCREEK WEST WETLAND COMPENSATION AREA. ABOUT 25% OF THE POOLS WERE SAMPLED (22 IN 2001, 23 IN 2002, 22 IN 2005, 25 IN 2006 - BOTH CONSTRUCTED & HISTORIC). L.O. FOUND IN 14 OF 23 POOLS IN 2002 & 13 OF 22 POOLS IN 2005.

Ecological: HABITAT CONSISTS OF CONSTRUCTED AND HISTORIC VERNAL POOLS WITHIN AN ANNUAL GRASSLAND HABITAT; WETLAND COMPENSATION AREA. SITE IS UNDER POWER LINES.

General: 2001: 10'S OBS IN POOLS 45 AND 55. 2002: 10'S OBS IN POOLS 21, 48, 51 AND 85; 100'S OBS IN POOLS 44, 70, 74 AND 86; 1000'S OBS IN POOLS 10, 17, 28, 46, 82 AND N2. 2005: 10'S-1000'S OBS IN 13 POOLS. 2006: 10'S-100'S OBS IN 19 POOLS.

Owner/Manager: CITY OF ROSEVILLE

Occurrence No. 227

Map Index: 56433

EO Index: 56449

Dates Last Seen

Occ Rank: Unknown

Element: 2001-02-20

Origin: Natural/Native occurrence

Site: 2001-02-20

Presence: Presumed Extant

Record Last Updated: 2004-08-19

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.78164° / -121.28371°

UTM: Zone-10 N4293944 E649077

Radius: 80 meters

Elevation: 160 ft

Mapping Precision SPECIFIC  
Symbol Type: POINT

Township: 11N

Range: 06E

Section: 23

Meridian: M

Qtr: SW

Location: LOCATED BETWEEN HWY 65 AND ROSEVILLE PARKWAY, NW OF GIBSON DRIVE, ROSEVILLE.

Location Detail: HIGHLAND RESERVE SOUTH OPEN SPACE AREAS. POOLS LOCATED 0.28 MILE NORTH OF THE INTERSECTION OF ROSEVILLE PARKWAY AND GIBSON DRIVE, SOUTH SIDE OF DRAINAGE.

Ecological: HABITAT CONSISTS OF A COMPENSATION (CONSTRUCTED) VERNAL POOL.

General: 10'S OBSERVED IN POOL E16 ON 20 FEB 2001.

Owner/Manager: UNKNOWN

Occurrence No. 246

Map Index: 62823

EO Index: 62877

Dates Last Seen

Occ Rank: Unknown

Element: 2005-01-21

Origin: Natural/Native occurrence

Site: 2005-01-21

Presence: Presumed Extant

Record Last Updated: 2005-10-18

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.78029° / -121.28908°

UTM: Zone-10 N4293785 E648613

Radius: 80 meters

Elevation: 150 ft

Mapping Precision SPECIFIC  
Symbol Type: POINT

Township: 11N

Range: 06E

Section: 27

Meridian: M

Qtr: NE

Location: NW THE JUNCTION OF PLEASANT GROVE BLVD AND ROSEVILLE PKWY, SOUTH OF HWY 65, ROSEVILLE

Location Detail: HIGHLAND RESERVE SOUTH

Ecological: HABITAT CONSISTS OF A HISTORIC VERNAL POOL.

General: 100'S OBSERVED IN POOL WRR ON 21 JAN 2005

Owner/Manager: UNKNOWN

***Linderiella occidentalis***

California *Linderiella*

Element Code: ICBRA06010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3

CDFG Status:

State: None

State: S2S3

Habitat Associations

General: SEASONAL POOLS IN UNFLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.

Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 257

Map Index: 64342

EO Index: 64421

Dates Last Seen

Occ Rank: Unknown

Element: 2006-01-31

Origin: Natural/Native occurrence

Site: 2006-01-31

Presence: Presumed Extant

Record Last Updated: 2006-03-27

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.78714° / -121.37134°

UTM: Zone-10 N4294415 E641453

Radius: 80 meters

Mapping Precision SPECIFIC

Township: 11N

Range: 05E

Section: 24

Qtr: SW

Elevation: 95 ft

Symbol Type POINT

Meridian: M

Location: NEAR UNNAMED TRIBUTARY TO PLEASANT GROVE CREEK NORTH AND EAST OF PHILLIP ROAD, NW OF ROSEVILLE.

Location Detail: POOL #567, WEST OF HAYDEN PARKWAY. MAPPED 0.2 MI W OF FIDDYMENT RANCH.

General: NUMBERS FOUND NOT GIVEN FOR THIS POOL.

Owner/Manager: PVT

Occurrence No. 390

Map Index: 82419

EO Index: 83442

Dates Last Seen

Occ Rank: Unknown

Element: 1995-02-06

Origin: Natural/Native occurrence

Site: 1995-03-02

Presence: Presumed Extant

Record Last Updated: 2011-04-29

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.76601° / -121.31850°

UTM: Zone-10 N4292153 E646086

Area: 14.0 acres

Mapping Precision SPECIFIC

Township: 11N

Range: 06E

Section: 33

Qtr: NW

Elevation: 130 ft

Symbol Type POLYGON

Meridian: M

Location: OPEN AREA BETWEEN RESIDENTIAL HOUSING NE OF COUNTRY CLUB DR AT ACTON WAY, CENTERED ABOUT 2.2 MI NW OF ROSEVILLE PO.

Location Detail: 1995: 15 TOTAL WETLANDS SAMPLED BETWEEN PARCELS 32 (EO#390, THIS OCCURRENCE) & 72 (EO#111). PROVIDED MAP GRAPHIC APPEARED SHIFTED WEST OF TRUE LOCATION; MAPPED TO AERIAL IMAGE MATCHING PRESERVED HABITAT.

Ecological: CONSTRUCTED AND SEASONAL HARDPAN VERNAL POOLS WITH NON-NATIVE ANNUAL GRASSLAND.

General: LINDERIELLA OCCIDENTALIS OBSERVED IN CONSTRUCTED VERNAL POOLS SOMETIME BETWEEN 6 FEB AND 2 MAR 1995.

Owner/Manager: CITY OF ROSEVILLE

### Northern Hardpan Vernal Pool

Element Code: CTT44110CA

<b>Status</b> Federal: None State: None	<b>NDDB Element Ranks</b> Global: G3 State: S3.1	<b>Other Lists</b>
<b>Habitat Associations</b> General: Micro:		

**Occurrence No.** 23      **Map Index:** 11651      **EO Index:** 16254      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1980-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1980-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1998-07-15

**Quad Summary:** Roseville (3812173/528D)  
**County Summary:** Placer

**Lat/Long:** 38.85348° / -121.31556°      **Township:** 12N  
**UTM:** Zone-10 N4301865 E646163      **Range:** 06E  
**Area:** 1,251.8 acres      **Mapping Precision:** SPECIFIC      **Section:** 33      **Qtr:** NW  
**Elevation:** 125 ft      **Symbol Type:** POLYGON      **Meridian:** M

**Location:** SOUTH OF LINCOLN 2-3 MILES WEST OF HWY 65.

**Location Detail:** POOLS IN TREELESS ANNUAL GRASSLAND. BOUNDARIES INDICATE EXTENT OF UNDEVELOPED AREA.

**Ecological:** DIVERSE POOL FLORA. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

**Threat:** THREAT OF INDUSTRIAL DEVELOPMENT.

**General:** SEVERAL POOLS KNOWN FOR THEIR INVERTEBRATE FAUNA. SEE  
WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL\_COMM\_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE  
COMMUNITIES.

**Owner/Manager:** UNKNOWN

**Occurrence No.** 67      **Map Index:** 11713      **EO Index:** 16248      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1982-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1982-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 2001-05-24

**Quad Summary:** Roseville (3812173/528D)  
**County Summary:** Placer

**Lat/Long:** 38.76982° / -121.27800°      **Township:** 11N  
**UTM:** Zone-10 N4292642 E649597      **Range:** 06E  
**Area:** 77.8 acres      **Mapping Precision:** SPECIFIC      **Section:** 26      **Qtr:** SW  
**Elevation:** 180 ft      **Symbol Type:** POLYGON      **Meridian:** M

**Location:** JUST NORTH & EAST OF DIAMOND OAKS MUNICIPAL GOLF COURSE, ROSEVILLE, SOUTH BRANCH PLEASANT GROVE CREEK.

**Ecological:** POOLS ON LOW TERRACE HARDPAN SUBSTRATE. HIGH QUALITY POOLS W/ VARIETY OF POOL TAXA PRESENT, 1982. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

**General:** ZONED AS RESIDENTIAL IN 1977 ROSEVILLE GENERAL PLAN. SEE  
WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL\_COMM\_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE  
COMMUNITIES.

**Owner/Manager:** PVT-ROSEVILLE PROPERTIES

**Occurrence No.** 68      **Map Index:** 11613      **EO Index:** 16247      **Dates Last Seen**  
**Occ Rank:** Unknown      **Element:** 1982-XX-XX  
**Origin:** Natural/Native occurrence      **Site:** 1982-XX-XX  
**Presence:** Presumed Extant  
**Trend:** Unknown      **Record Last Updated:** 1998-07-15

**Quad Summary:** Roseville (3812173/528D)  
**County Summary:** Placer

**Lat/Long:** 38.78625° / -121.32487°      **Township:** 11N  
**UTM:** Zone-10 N4294389 E645492      **Range:** 06E  
**Area:** 51.4 acres      **Mapping Precision:** SPECIFIC      **Section:** 20      **Qtr:** S  
**Elevation:** 110 ft      **Symbol Type:** POLYGON      **Meridian:** M

**Location:** ADJACENT TO SOUTH BRANCH (PLEASANT GROVE CREEK) ABOUT 1 MILE SW OF FIDDYMENT RANCH, ROSEVILLE.

**Location Detail:** TWO AREAS; 38 AC RANKED AS MEDIUM QUALITY BY WESCO, 1982. ZONED FORM AG IN 1977 ROSEVILLE GENERAL PLAN; 13 AC OF LOW QUALITY POOLS, ZONED RESIDENTIAL.

**Ecological:** LOW TERRACE HARDPAN SUBSTRATE. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

**General:** SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL\_COMM\_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF  
RARE COMMUNITIES.

**Owner/Manager:** UNKNOWN

**Northern Hardpan Vernal Pool**

Element Code: CTT44110CA

_____ Status _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G3	
State: None	State: S3.1	

_____ Habitat Associations _____
General:
Micro:

**Northern Volcanic Mud Flow Vernal Pool**

Element Code: CTT44132CA

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G1

State: None

State: S1.1

Habitat Associations

General:

Micro:

Occurrence No. 1

Map Index: 11782

EO Index: 16218

Dates Last Seen

Occ Rank: Unknown

Element: 1982-XX-XX

Origin: Natural/Native occurrence

Site: 1982-XX-XX

Presence: Presumed Extant

Record Last Updated: 1998-07-16

Trend: Unknown

Quad Summary: Rocklin (3812172/527C), Citrus Heights (3812163/512A), Folsom (3812162/511B), Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.75189° / -121.25431°

Township: 10N

UTM: Zone-10 N4290690 E651693

Range: 07E

Area: 432.3 acres

Mapping Precision SPECIFIC

Section: 06

Qtr: XX

Elevation: 240 ft

Symbol Type POLYGON

Meridian: M

Location: BETWEEN DOUGLAS BLVD & MINERS RAVINE JUST EAST OF ROSEVILLE.

Ecological: DIVERSITY OF POOL TAXA PRESENT INCLUDES DICHELOSTEMMA LACUNA-VERNALIS. MOST OF THIS LARGE AREA IS ON VOLCANIC SUBSTRATE. <50 ACRES IN THE NW PORTION OF THE BOUNDED AREA IS LOW TERRACE FORMATION W/HARDPAN VERNAL POOLS.

General: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO. SEE [WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL\\_COMM\\_BACKGROUND.ASP](http://WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN

Occurrence No. 4

Map Index: 11746

EO Index: 16214

Dates Last Seen

Occ Rank: Unknown

Element: 1987-04-22

Origin: Natural/Native occurrence

Site: 1987-04-22

Presence: Presumed Extant

Record Last Updated: 1998-07-16

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.77614° / -121.26620°

Township: 11N

UTM: Zone-10 N4293362 E650609

Range: 06E

Area: 428.3 acres

Mapping Precision SPECIFIC

Section: 25

Qtr: NW

Elevation: 225 ft

Symbol Type POLYGON

Meridian: M

Location: WEST OF ANTELOPE CREEK ON HILL EAST OF DIAMOND OAKS MUNICIPAL GOLF COURSE. ROCKLIN-ROSEVILLE BOUNDARY.

Location Detail: 330 AC IN ROSEVILLE; ZONED AG IN 1977 GENERAL PLAN.

Ecological: LARGE AREA OF POOLS ON MEHRTEN FORMATION, EXCHEQUER VERY STONY LOAM. SPP INCL GRATIOLA HETEROSEPALA. PORTION SEEN IN 1987 EXCELLENT EXAMPLE OF VOLCANIC MUDFLOW POOLS. UNABLE TO CONVERT FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Threat: PROPOSED FOR REGIONAL SHOPPING CENTER.

General: SEE [WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL\\_COMM\\_BACKGROUND.ASP](http://WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN

Occurrence No. 5

Map Index: 11695

EO Index: 16213

Dates Last Seen

Occ Rank: Unknown

Element: 1982-XX-XX

Origin: Natural/Native occurrence

Site: 1982-XX-XX

Presence: Presumed Extant

Record Last Updated: 1998-07-16

Trend: Unknown

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.78157° / -121.28441°

Township: 11N

UTM: Zone-10 N4293935 E649016

Range: 06E

Area: 62.7 acres

Mapping Precision SPECIFIC

Section: 27

Qtr: NE

Elevation: 165 ft

Symbol Type POLYGON

Meridian: M

Location: LESS THAN 1 MILE NORTH OF DIAMOND OAKS MUNICIPAL GOLF COURSE, EAST OF HIGHWAY 65, ROCKLIN.

Location Detail: 51 ACRES.

Ecological: ON VOLCANIC SUBSTRATE. DICHELOSTEMMA LACUNA-VERNALIS PRESENT. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Threat: ZONED AS RESIDENTIAL IN 1977 ROSEVILLE GENERAL PLAN.

General: SEE [WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL\\_COMM\\_BACKGROUND.ASP](http://WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

**Northern Volcanic Mud Flow Vernal Pool**

Element Code: CTT44132CA

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G1

State: None

State: S1.1

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

General:

Micro:

Owner/Manager: UNKNOWN



***Progne subis***

purple martin

Element Code: ABPAU01010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G5

CDFG Status: SC

State: None

State: S3

**Habitat Associations**

**General:** INHABITS WOODLANDS, LOW ELEVATION CONIFEROUS FOREST OF DOUGLAS-FIR, PONDEROSA PINE, & MONTEREY PINE.

**Micro:** NESTS IN OLD WOODPECKER CAVITIES MOSTLY, ALSO IN HUMAN-MADE STRUCTURES. NEST OFTEN LOCATED IN TALL, ISOLATED TREE/SNAG.

Occurrence No. 27

Map Index: 70377

EO Index: 71268

Dates Last Seen

Occ Rank: Good

Element: 2007-05-23

Origin: Natural/Native occurrence

Site: 2007-05-23

Presence: Presumed Extant

Record Last Updated: 2007-10-31

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D), Rocklin (3812172/527C)

**County Summary:** Placer

**Lat/Long:** 38.77202° / -121.25187°

**Township:** 11N

**UTM:** Zone-10 N4292929 E651863

**Range:** 06E

**Radius:** 80 meters

**Mapping Precision:** SPECIFIC

**Section:** 25

**Qtr:** SE

**Elevation:** 216 ft

**Symbol Type:** POINT

**Meridian:** M

**Location:** HIGHWAY 65 OVERPASS OVER TAYLOR ROAD, ON THE SOUTH EDGE OF ROCKLIN.

**Ecological:** HABITAT SURROUNDING FREEWAYS CONSISTS OF NON-NATIVE GRASSLAND AND OAK WOODLAND.

**General:** 2 ADULTS (PAIR) OBSERVED NESTING IN OVERPASS DRAINAGE HOLE ON 23 MAY 2007.

**Owner/Manager:** CALTRANS, UNION PACIFIC ROW

***Spea hammondi***

western spadefoot

Element Code: AAABF02020

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3	CDFG Status: SC
State: None	State: S3	

**Habitat Associations**

**General:** OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

**Micro:** VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 171	Map Index: 42145	EO Index: 42145	Dates Last Seen
Occ Rank: Unknown			Element: 1991-04-12
Origin: Natural/Native occurrence			Site: 1991-04-12
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2000-01-20

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.76197° / -121.33795°	Township: 11N
UTM: Zone-10 N4291674 E644405	Range: 06E
Radius: 80 meters	Section: 32
Elevation: 115 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NW
Symbol Type: POINT	

**Location:** TRIB TO KASEBERG CREEK, 1.3 MILES NE OF JCT BASE LINE & FIDDYMENT ROADS, ROSEVILLE

**Location Detail:** 5 CONSTRUCTED VERNAL POOLS AND TRIB TO KASEBERG CREEK. MAPPED TO SITE DESCRIPTION (ELEVATION GIVEN DOESN'T MATCH).

**Ecological:** VERNAL POOLS AND INTERMITTENT CREEK. SURROUNDING LAND USE: MITIGATION SITE, VARIOUS DEVELOPMENTS.

**Threat:** THREATENED BY INCREASED HYDROLOGY AND NON-NATIVE FISHES

**General:** SEVERAL TADPOLES OBSERVED, 1991.

**Owner/Manager:** UNKNOWN

Occurrence No. 172	Map Index: 42147	EO Index: 42147	Dates Last Seen
Occ Rank: Poor			Element: 1994-03-19
Origin: Natural/Native occurrence			Site: 1994-03-19
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2000-01-20

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.76934° / -121.25377°	Township: 11N
UTM: Zone-10 N4292628 E651704	Range: 06E
Radius: 80 meters	Section: 25
Elevation: 200 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POINT	

**Location:** POOLS ADJACENT TO RAILROAD TRACKS NEAR TAYLOR ROAD, 0.4 MILE SOUTH OF SEWAGE DISPOSAL PONDS, ROSEVILLE.

**Location Detail:** POOLED AREAS BETWEEN TRACKS AND DEVELOPMENT.

**Ecological:** SURROUNDING LAND USE: RAILROAD EASEMENT. CALIFORNIA LINDERIELLA ALSO PRESENT.

**Threat:** DEVELOPMENT

**General:** 5 TADPOLES OBSERVED, 1994.

**Owner/Manager:** UNKNOWN

Occurrence No. 173	Map Index: 42150	EO Index: 42150	Dates Last Seen
Occ Rank: Poor			Element: 1990-02-XX
Origin: Natural/Native occurrence			Site: 1990-02-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2000-01-12

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

Lat/Long: 38.76985° / -121.33078°	Township: 11N
UTM: Zone-10 N4292560 E645012	Range: 06E
Radius: 2/5 mile	Section: 29
Elevation: 140 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

**Location:** NEAR THE INTERSECTION OF WOODCREEK OAKS BLVD AND PLEASANT GROVE BLVD, WOODCREEK OAKS SUBDIVISION IN WESTERN ROSEVILLE

**Location Detail:** MAPPED TO DESCRIPTION GIVEN (TOWNSHIP, SECTION AND ELEVATION DON'T MATCH SITE DESCRIPTION).

**Ecological:** GRASSLAND WITH NUMEROUS VERNAL POOLS AND SWALES.

**Threat:** LAND HAS BEEN DEVELOPED SINCE OBSERVATION

**General:** 30+ METAMORPHS OBSERVED IN A DRYING INTERMITTENT DRAINAGE, 1990.

**Owner/Manager:** PVT

***Spea hammondi***

western spadefoot

Element Code: AAABF02020

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3

CDFG Status: SC

State: None

State: S3

**Habitat Associations**

**General:** OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

**Micro:** VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 309

Map Index: 60024

EO Index: 60060

Dates Last Seen

Occ Rank: Unknown

Element: 2004-04-23

Origin: Natural/Native occurrence

Site: 2004-04-23

Presence: Presumed Extant

Record Last Updated: 2005-02-16

Trend: Unknown

**Quad Summary:** Roseville (3812173/528D)

**County Summary:** Placer

**Lat/Long:** 38.78621° / -121.36950°

**Township:** 11N

**UTM:** Zone-10 N4294315 E641615

**Range:** 05E

**Area:** 11.4 acres

**Mapping Precision:** SPECIFIC

**Section:** 24

**Qtr:** XX

**Elevation:** 95 ft

**Symbol Type:** POLYGON

**Meridian:** M

**Location:** UNNAMED TRIBUTARY TO PLEASANT GROVE CREEK NORTH AND EAST OF PHILLIP ROAD, NW OF ROSEVILLE

**Ecological:** HABITAT CONSISTS OF TWO PONDED AREAS WITHIN A SEASONAL SWALE/CHANNEL

**General:** ON 23 APR 2004, ONE POOL SUPPORTED <10 TADPOLES AND THE OTHER SUPPORTED 50-100 TADPOLES.

**Owner/Manager:** UNKNOWN

## **ATTACHMENT B**

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USFWS Query of Listed Species: Roseville Quad



**United States Department of the Interior  
FISH AND WILDLIFE SERVICE**

Sacramento Fish and Wildlife Office  
2800 Cottage Way, Room W-2605  
Sacramento, California 95825



June 25, 2012

Document Number: 120625052134

Eric W. Stitt  
ECORP Consulting, Inc.  
2525 Warren Drive  
Rocklin, CA 95677

Subject: Species List for Foothills Corporate Center

Dear: Mr. Stitt

We are sending this official species list in response to your June 25, 2012 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7½ minute quad or quads you requested.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

Please read Important Information About Your Species List (below). It explains how we made the list and describes your responsibilities under the Endangered Species Act.

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be September 23, 2012.

Please contact us if your project may affect endangered or threatened species or if you have any questions about the attached list or your responsibilities under the Endangered Species Act. A list of Endangered Species Program contacts can be found [here](#).

Endangered Species Division

TAKE PRIDE  
IN AMERICA 

**U.S. Fish & Wildlife Service**  
**Sacramento Fish & Wildlife Office**  
**Federal Endangered and Threatened Species that Occur in**  
**or may be Affected by Projects in the Counties and/or**  
**U.S.G.S. 7 1/2 Minute Quads you requested**  
**Document Number: 120625052134**  
**Database Last Updated: September 18, 2011**

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**Quad Lists**

**Listed Species**

**Invertebrates**

- Branchinecta conservatio*  
Conservancy fairy shrimp (E)
- Branchinecta lynchi*  
vernal pool fairy shrimp (T)
- Desmocerus californicus dimorphus*  
valley elderberry longhorn beetle (T)
- Lepidurus packardii*  
vernal pool tadpole shrimp (E)

**Fish**

- Hypomesus transpacificus*  
delta smelt (T)
- Oncorhynchus mykiss*  
Central Valley steelhead (T) (NMFS)  
Critical habitat, Central Valley steelhead (X) (NMFS)
- Oncorhynchus tshawytscha*  
Central Valley spring-run chinook salmon (T) (NMFS)  
winter-run chinook salmon, Sacramento River (E) (NMFS)

**Amphibians**

- Rana draytonii*  
California red-legged frog (T)

**Reptiles**

- Thamnophis gigas*  
giant garter snake (T)

**Quads Containing Listed, Proposed or Candidate Species:**

ROSEVILLE (528D)

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**County Lists**

No county species lists requested.

**Key:**

- (E) *Endangered* - Listed as being in danger of extinction.
- (T) *Threatened* - Listed as likely to become endangered within the foreseeable future.
- (P) *Proposed* - Officially proposed in the Federal Register for listing as endangered or threatened.
- (NMFS) Species under the Jurisdiction of the National Oceanic & Atmospheric Administration Fisheries Service. Consult with them directly about these species.



*Critical Habitat* - Area essential to the conservation of a species.

(PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.

(C) *Candidate* - Candidate to become a proposed species.

(V) *Vacated* by a court order. Not currently in effect. Being reviewed by the Service.

(X) *Critical Habitat* designated for this species

## Important Information About Your Species List

### How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, **or may be affected by** projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

### Plants

Any plants on your list are ones that have actually been observed in the area covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

### Surveying

Some of the species on your list may not be affected by your project. A trained biologist and/or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list. See our [Protocol](#) and [Recovery Permits](#) pages.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

### Your Responsibilities Under the Endangered Species Act

All animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal consultation with the Service. During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.
- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project. Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

### Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as critical habitat. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our Map Room page.

### Candidate Species

We recommend that you address impacts to candidate species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

### Species of Concern

The Sacramento Fish & Wildlife Office no longer maintains a list of species of concern. However, various other agencies and organizations maintain lists of at-risk species. These lists provide essential information for land management planning and conservation efforts. More info

### Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6520.

## MITIGATION MONITORING PROGRAM

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<b>Project Title/File Number</b>	NIPA PCL 50 – Foothills Corporate Center Grading Plan
<b>Project Location</b>	8501 Foothills Bl.; Roseville; Placer County; APN: 017-230-014-000
<b>Project Description</b>	The applicant requests approval of a Major Grading Plan that would allow rough grading of the site and seasonal wetlands on the site to be filled.
<b>Project Applicant</b>	Greg Bardini, Morton & Pitalo, Inc.; (916) 984-7621; 75 Iron Point Circle #120, Folsom, CA 95630
<b>Property Owner</b>	Daisy Stires, Sterling Savings Bank ; (509) 227-0960 ; 111 North Wall St., Spokane, WA 99026
<b>Lead Agency Contact Person</b>	Derek Ogden, Phone (916) 774-5276

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Section 21081.6 of the California Public Resources Code requires public agencies to "adopt a reporting and monitoring program for the changes to the project which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment." This monitoring program is required for the project as significant adverse impacts have been identified, and mitigation measures have been identified to mitigate those impacts.

**MONITORING PROCESS:** Existing monitoring mechanisms are in place that assist the City of Roseville in meeting the intent of CEQA. These existing monitoring mechanisms eliminate the need to develop new monitoring processes for each mitigation measure. These mechanisms include grading plan review and approval, improvement/building plan review and approval and on-site inspections by City Departments. Given that these monitoring processes are requirements of the project, they are not included in the mitigation monitoring program. Therefore, only those mitigation measures that are unique to this project are listed in the following monitoring table. The table indicates the required mitigation along with who is the responsible party for monitoring along with when the monitoring is to occur and when the monitoring has been completed.

MITIGATION MONITORING TABLE - Carlsberg Lot 5 Grading Plan

MITIGATION NUMBER	DESCRIPTION	GRADING PERMIT	IMPROVE/ BUILDING PLANS	DURING CONST	PLAN CHECK CITY DEPT.	MON. CITY DEPT.	DATE COMPLETE
<b>MM1</b>	<p><b>Wetlands</b></p> <p>Prior to grading permit the project shall obtain an Army Corps of Engineers wetland fill or discharge "Section 404" permit. The project will be required to purchase credits in an approved wetland mitigation fund or other mitigation required by the 404 permit to ensure no net loss of wetlands.</p>	Planning & Engineering	NA	NA	NA	Planning	
<b>MM2</b>	<p><b>Special Status Species</b></p> <p>MM2: Prior to project construction special status species surveys shall be conducted to establish the presence/absence of these species on the site. These studies shall be conducted via the appropriate federal and state protocols.</p>	Planning & Engineering	NA	NA	NA	Planning	
<b>MM3</b>	<p><b>Cultural Resources</b></p> <p>In the event of the discovery of buried paleontological, archaeological or historic deposits, project activities in the vicinity of the find shall be temporarily halted and a qualified archaeologist consulted to assess the resource and provide proper management recommendations. Possible management recommendations for important resources could include resource avoidance or data</p>	Planning & Engineering	NA	NA	NA	Planning	

MITIGATION MONITORING TABLE -- Carlsberg Lot 5 Grading Plan

MITIGATION NUMBER	DESCRIPTION	GRADING PERMIT	IMPROVE/ BUILDING PLANS	DURING CONST	PLAN CHECK CITY DEPT.	MON. CITY DEPT.	DATE COMPLETE
	recovery excavations. If human remains are found, the Placer County Coroner's office shall be contacted immediately. The corner shall contact the Native American Heritage Commission, which shall notify the appropriate descendant.						



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**ADDENDUM TO THE NIPA PCL 50-FOOTHILLS CORPORATE CENTER  
GRADING PLAN MITIGATED NEGATIVE DECLARATION  
(SCH# 2012092002, ADOPTED OCTOBER 11, 2012)**

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<b>Project Title/File Number:</b>	NIPA PCL50-Roseville Self Storage, PL15-0058
<b>Project Location:</b>	8601 Foothills Boulevard
<b>Project Description:</b>	Construction of a self-storage facility and caretaker's residence, totaling approximately 110,000 square feet.
<b>Project Applicant:</b>	Ryan Smith, Thomastown Builders, Inc.
<b>Property Owner:</b>	Brett Baumgarten, Clearview 8035 Foothills Blvd, LLC
<b>Lead Agency Contact:</b>	Lauren Hocker, Associate Planner (916) 774-5272

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An Addendum to a previously certified and adopted negative declaration may be prepared for a project if only minor technical changes or additions are necessary or none of the conditions calling for the preparation of a subsequent EIR or negative declaration have occurred (California Environmental Quality Act Guidelines [CEQA] Section 15164). Consistent with CEQA Guidelines Section 15164, the below analysis has been prepared in order to demonstrate that none of the conditions described in Section 15162 of the CEQA Guidelines calling for preparation of a subsequent EIR have occurred and that only minor technical changes or additions are necessary in order to deem the adopted negative declaration adequate to describe the impacts of the proposed project. CEQA Guidelines Section 15164 also states that an addendum need not be circulated for public review, but can be included in or attached to the adopted negative declaration for consideration by the hearing body. This Addendum focuses only on those aspects of the project or its impacts which require additional discussion.



## Table of Contents

<b>Project Description</b> .....	<b>3</b>
<b>Purpose and Scope of Addendum</b> .....	<b>6</b>
<b>Environmental Checklist</b> .....	<b>6</b>
<b>I. Aesthetics</b> .....	<b>8</b>
<b>II. Agricultural &amp; Forestry Resources</b> .....	<b>9</b>
<b>III. Air Quality and Greenhouse Gases</b> .....	<b>10</b>
<b>IV. Biological Resources</b> .....	<b>12</b>
<b>V. Cultural Resources</b> .....	<b>14</b>
<b>VI. Geology and Soils</b> .....	<b>15</b>
<b>VII. Hazards and Hazardous Materials</b> .....	<b>16</b>
<b>VIII. Hydrology and Water Quality</b> .....	<b>18</b>
<b>IX. Land Use and Planning</b> .....	<b>20</b>
<b>X. Mineral Resources</b> .....	<b>21</b>
<b>XI. Noise</b> .....	<b>21</b>
<b>XII. Population and Housing</b> .....	<b>23</b>
<b>XIII. Public Services</b> .....	<b>24</b>
<b>XIV. Recreation</b> .....	<b>25</b>
<b>XV. Transportation / Traffic</b> .....	<b>26</b>
<b>XVI. Utilities and Service Systems</b> .....	<b>27</b>
<b>XVII. Mandatory Findings of Significance</b> .....	<b>29</b>
<b>Environmental Determination</b> .....	<b>30</b>
<b>Attachments</b> .....	<b>30</b>

## PROJECT DESCRIPTION

### Project Location

The project site is located at 8601 Foothills Boulevard, within the North Industrial Planning Area (see Figure 1). The land use designations and use of the project site and surrounding properties are shown in the table below. The aerial photograph in Figure 1 is from the year 2013; some of the areas shown as undeveloped in the photo have been developed at this time, including the site immediately south of the project site.

Location	Zoning	General Plan Land Use	Actual Use of Property
Site	M1	Light Industrial	Vacant
North	NC	Neighborhood Commercial	Vacant
South	M1	Light Industrial	Industrial warehouse (FedEx)
East	M1	Light Industrial	Vacant
West	M1/SA	Light Industrial	Hewlett-Packard

Figure 1: Project Location



### Background

The North Industrial Planning Area (NIPA), where the site is located, is a recognized planning area of the City that includes Design Guidelines, a land use table, and a land use map; it was approved in 1995. The area includes approximately 2,000 acres of land, and is devoted primarily to industrial uses and employment centers. The area is planned to accommodate approximately 2,700 residents and 31,000 jobs at full buildout.

The project site was part of a large lot subdivision map approved in 1992 (File Number SUBD 91-11) intended to create a 14-lot business park, followed by an Extension and modification to the subdivision map in 1998 (File Numbers SUBDEXT 91-11A and SUBDMOD 91-11B); however, this map was never recorded. In 2013 a four-lot parcel map was approved (File Number 2013PL-029) and ultimately recorded, and it was this map which created the parcel on which the project is now proposed. That map included the proposed dedication of an Irrevocable Offer of Dedication for the extension of the future Roseville Parkway along the northern boundary of the project site, and the dedication of a 58-foot-wide right-of-way for the extension of Niblick Drive along the eastern project boundary (connecting to the rear of the FedEx property).

In addition to the above, a Major Grading Plan (File Number 2012PL-064) was approved on October 11, 2012 which covered mass grading activities on all of the undeveloped property between Foothills Boulevard to the west, the train tracks to the east, the Niblick Drive stub to the north, and a point even with the southern Hewlett Packard driveway. Some of the covered areas have already been graded and developed consistent with the approved Grading Plan; this includes the property to the south, developed with the FedEx building, and property to the east, which was graded and developed with water quality control basins. A Mitigated Negative Declaration was adopted which covered the proposed grading of the project site and the surrounding properties. Refer to the Purpose and Scope of Addendum section.

## **Environmental Setting**

The 5.36-acre project site is dominated by non-native grasses and herbaceous annual plants; there are no trees on the site. The highest point of the site is located in the southwestern corner at approximately 140 feet above mean sea level (msl), and the lowest point is on the eastern side of the site at approximately 130 feet above msl. The topography is uneven and rolling from the highest point down to the lower areas of the site. A wetland delineation prepared for the MND concluded wetlands were present on some of the surrounding properties, but not on this Project site.

The extension of Niblick Drive has not been fully constructed to the ultimate right-of-way width, but a small emergency access road has been constructed along the future alignment, which connects to the developed FedEx property (see Figure 2 on following page). There is a gate at the interface of the complete Niblick Drive and the emergency access road which prevents use of the road by all but emergency responders. The future Roseville Parkway extension has also not been completed, but the portion of the roadway between Foothills Boulevard and Niblick Drive is currently under construction. This also involves some work along Foothills Boulevard, to complete the intersection improvements that will provide access to the new segment of Roseville Parkway.

## **Proposed Project**

The proposed project involves grading the site, the construction of four self-storage buildings totaling approximately 106,000 square feet, the construction of a caretaker's residence and office of approximately 4,000 square feet, construction of frontage improvements, and construction of a small portion of Niblick Drive on the eastern side of the site (see Figure 3 on following page). Frontage improvements include landscaping and sidewalks along Foothills Boulevard and Roseville Parkway, landscaping along Niblick Drive, and a monument at the corner of Foothills Boulevard and Roseville Parkway. The self-storage buildings will be enclosed within a masonry wall which will include variations in materials and heights, and will include columns and tower elements. The wall height is designed to ensure that the self-storage buildings will not be visible from any of the surrounding public streets or adjoining properties.

The primary point of access for the Project will be a driveway on the southwestern corner of the site, which will allow both ingress and egress. A secondary point of access is proposed on the northeastern corner, which would outlet to the portion of Niblick Drive which will be improved for the project. An emergency access gate will be placed on Niblick Drive just to the south of this driveway, so that drivers may only use the roadway to access Roseville Parkway.



Figure 2: Project Vicinity

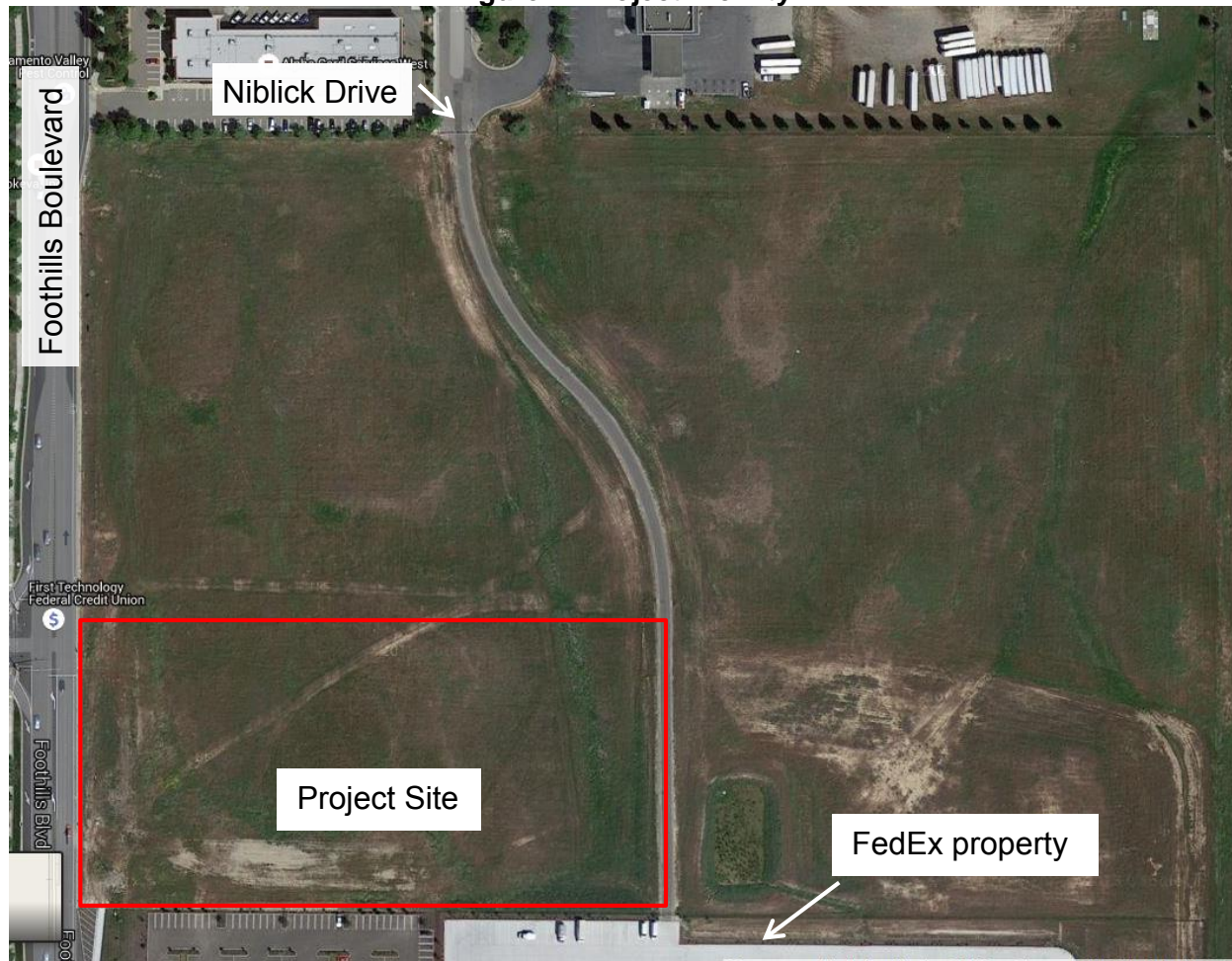
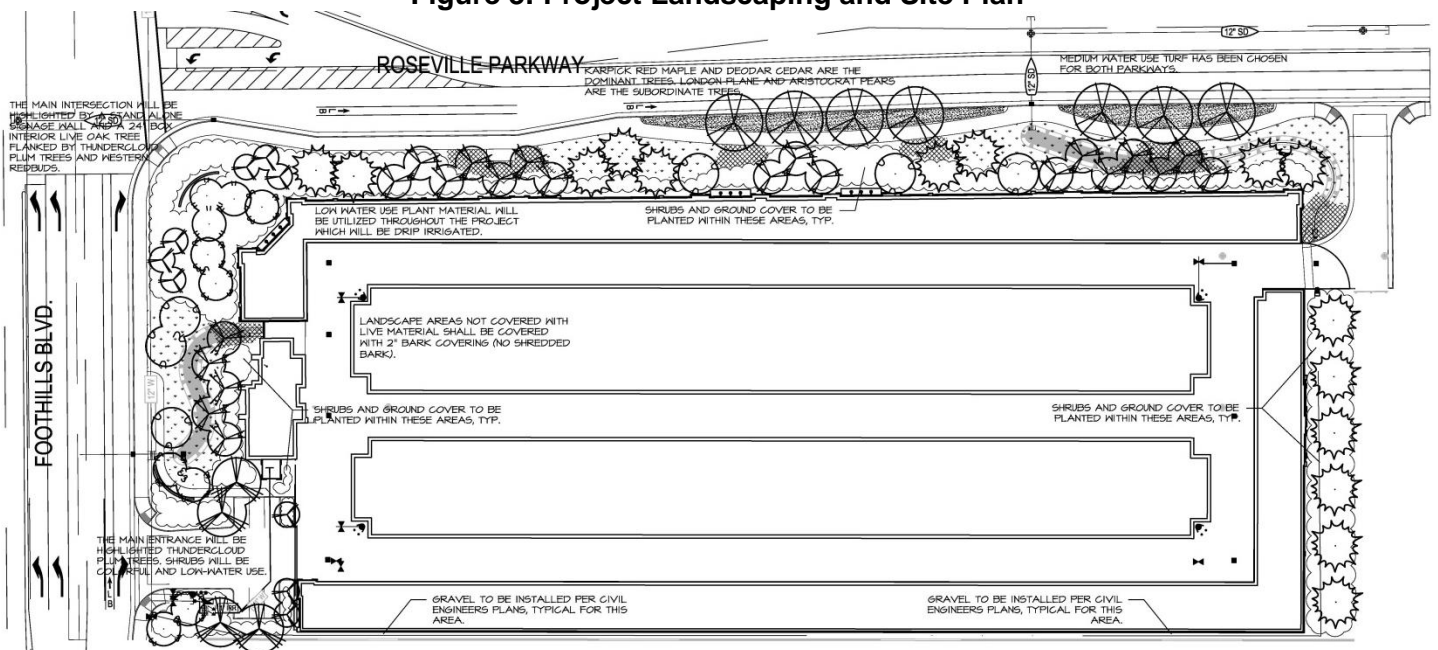


Figure 3: Project Landscaping and Site Plan



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## PURPOSE AND SCOPE OF ADDENDUM

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A Mitigated Negative Declaration (MND) for the NIPA PCL 50–Foothills Corporate Center Grading Plan was adopted on October 11, 2012. The MND covered grading activities on the project site and surrounding properties; the MND, supporting Initial Study, and related attachments are included as Attachment 1 of this Addendum. The adopted MND analyzed impacts related to aesthetics, agricultural and forestry resources, air quality and greenhouse gases, biological resources, cultural resources, geology and soils, hazards and hazardous materials, hydrology and water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, transportation/traffic, and utilities and service systems. The proposed project grading activities are consistent with the grading activities contemplated in the MND. The majority of impacts caused by a project occur due to the grading and construction work which disturbs the site, not due to the particular type of buildings being constructed, and thus the MND adequately covers most of the impacts of the self-storage project.

Of those impacts which are affected by building type, such as public services, these impacts were addressed by earlier Citywide and plan-wide environmental documents (as indicated in the MND), and that there are no new impacts provided a project is consistent with the existing land use designations. The proposed project is consistent with the land use designations of the property.

The analyses below rely on the MND analysis with minor supplements or technical updates where appropriate.

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## ENVIRONMENTAL CHECKLIST FOR ADDENDUM ENVIRONMENTAL REVIEW

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The purpose of this checklist is to evaluate the categories in terms of any “changed condition” (i.e. changed circumstances, project changes, or new information of substantial importance) that may result in a changed environmental result. A “no” answer does not necessarily mean that there are no potential impacts relative to the environmental category, but that there is no change in the condition or status of the impact since it was analyzed and addressed with mitigations in prior environmental documents.

### EXPLANATION OF CHECKLIST EVALUATION CATEGORIES

#### Where Impact was Analyzed

This column provides a cross-reference to the pages of the prior environmental documents where information and analysis may be found relative to the environmental issue listed under each topic.

#### Do Proposed Changes Involve New Significant Impacts?

Pursuant to Section 15162(a)(1) of the CEQA Guidelines, this column indicates whether the changes represented by the current project will result in new significant impacts that have not already been considered and mitigated by the prior environmental review documents and related approvals or a substantial increase in the severity of a previously identified impact.

#### Any new Circumstances Involving New Impacts?

Pursuant to Section 15162(a)(2) of the CEQA Guidelines, this column indicates whether there have been changes to the project site or the vicinity (circumstances under which the project is undertaken) which have occurred subsequent to the certification or adoption of prior environmental documents, which would result in the current project having new significant environmental impacts that were not considered in the prior environmental documents or that substantially increase the severity of a previously identified impact.

#### Any new Information Requiring New Analysis or Verification?

Pursuant to Section 15162(a)(3)(A–D) of the CEQA Guidelines, this column indicates whether new information of substantial importance which was not known and could not have been known with the exercise of reasonable diligence at the time the previous environmental documents were certified or adopted is available requiring an update to the analysis of the previous environmental documents to verify that the environmental

conclusions and mitigation measures remain valid. Either “yes” or “no” will be answered to indicate whether there is new information showing that: (A) the project will have one or more significant effects not discussed in the prior environmental documents; or (B) that significant effects previously examined will be substantially more severe than shown in the prior environmental documents; or (C) that mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects on the project, but the project proponents decline to adopt the mitigation measure or alternative; or (D) that mitigation measures or alternatives which are considerably different from those analyzed in the prior environmental documents would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative. If “no,” then no additional environmental documentation (supplemental or subsequent EIR) is required.

Mitigation Measures Implemented or Addressing Impacts.

Pursuant to Section 15162(a)(3) of the CEQA Guidelines, this column indicates whether the prior environmental documents provide mitigation measures to address effects in the related impact category. In some cases, the mitigation measures have already been implemented. A “yes” response will be provided in either instance. If “none” is indicated, this Environmental Review concludes a significant impact does not occur with this project, and therefore no mitigation was previously included and no mitigation is needed.

**DISCUSSION AND MITIGATION SECTIONS**

**Discussion**

A discussion of the elements of the checklist is provided under each environmental category in order to clarify the answers. The discussion provides information about the particular environmental issue, how the project relates to the issue and the status of any mitigation that may be required or that has already been implemented.

**Mitigation Measures**

Applicable mitigation measures from the prior environmental review that apply to the project are listed under each environmental category.

**Conclusions**

A discussion of the conclusion relating to the analysis contained in each section.



## CHECKLIST

### I. Aesthetics

	Where Impact Was Analyzed in Prior Environmental Documents	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures or New Measures Needed
a. Have a substantial adverse effect on a scenic vista?	Page 6	No	No	No	None
b. Substantially damage scenic resources, including but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	Same	No	No	No	None
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	Same	No	No	No	None
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	Same	No	No	No	None
<p><b>Discussion:</b> The primary aesthetic disruption is due to grading of the site, which converts the landscape from a natural setting with vegetation and rolling topography to flat, bare soil. This impact was covered in the MND. The Findings of Fact for the CEQA Implementing Procedures (discussed in the MND) indicate that compliance with the Zoning Ordinance (e.g. building height, setbacks, etc), Subdivision Ordinance (RMC Ch. 18), Community Design Guidelines (Resolution 95-347), and applicable Specific Plan Policies and/or Specific Plan Design Guidelines will prevent significant impacts related to construction of buildings in urban settings.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					

**II. Agricultural & Forestry Resources**

	Where Impact Was Analyzed in Prior Environmental Documents	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures or New Measures Needed
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?	Page 7	No	No	No	None
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	Same	No	No	No	None
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	Same	No	No	No	None
d) Result in the loss of forest land or conversion of forest land to non-forest use?	Same	No	No	No	None
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	Same	No	No	No	None
<p><b>Discussion:</b> The MND concluded there were no resources to be affected by grading and conversion of the site to urban uses. This conclusion remains appropriate for this Project.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					

### III. Air Quality and Greenhouse Gases

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Conflict with or obstruct implementation of the applicable air quality plan?	Page 9	No	No	No	None
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	Same	No	No	No	None
c) Result in a cumulatively considerable net increase of any criteria 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)?	Same	No	No	No	None
d) Expose sensitive receptors to substantial pollutant concentrations?	Same	No	No	No	None
e) Create objectionable odors affecting a substantial number of people?	Same	No	No	No	None
f) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	Same	No	No	No	None
g) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	Same	No	No	No	None

**Discussion:** The MND concluded that standard dust control and other construction measures would be sufficient to avoid construction impacts, and that Citywide measures for the control of greenhouse gases were likewise sufficient for both construction and operation of allowed uses on the site. The MND further found that there are no substantial odor-producers in the vicinity, and the probable uses on the site would not produce substantial odors. An operational-level analysis of primary pollutants other than greenhouse gases was not performed, but is not necessary for this particular Project in any case. The self-storage units will not be air conditioned, so will result in very little energy-related emissions, and also generate very little traffic, so will result in very little vehicle emissions. Though the project is within the jurisdiction of the Placer Air Pollution

Control District (PCAPCD), the Sacramento Metropolitan Air Quality Management District's (SMAQMD) Guide To Air Quality Assessment nonetheless provides relevant information on this topic. That guide includes screening tables indicating how large a project must be before air quality modeling is necessary. These screening tables show that uses generating low trips generally need to involve several hundred thousand square feet before modeling would be required to determine significance. The SMAQMD and PCAPCD significance thresholds are very similar, at 85 pounds per day for ROG and NOx and 82 pounds per day, respectively. Given that the project is approximately 110,000 square feet, which is ½ to 1/3 of the size which would necessitate modeling, it can be concluded that impacts are not significant.

**Mitigation Measures:** None required for this Project.

#### **IV. Biological Resources**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as 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?	Page 17	No	No	No	MM2
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	Same	No	No	No	None
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?	Same	No	No	No	MM1
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?	Same	No	No	No	None
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	Same	No	No	No	None

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?	Same	No	No	No	None
<p><b>Discussion:</b> The MND included a Wetland Delineation and Special Status Species Assessment, and Biological Opinion. It was determined that wetlands were present, and the US Fish and Wildlife Services determined the grading plan included the potential to affect listed vernal pool crustaceans. Subsequent to approval of the grading plan, both Section 404 and Section 401 permits were issued permitting fill of the wetlands. However, none of the delineated wetlands are located on the current Project site; they were located on surrounding properties. Thus, the proposed Project does not have the potential to affect wetlands, nor does it have the potential to affect the special status species which rely on wetlands, such as vernal pool crustaceans. Thus, neither Mitigation Measure MM1 (wetland compensation) nor MM2 (special status species surveys/mitigation) apply to this Project.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					



**V. Cultural Resources**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Cause a substantial adverse change in the significance of an historic resource as defined in Section 15064.5?	Page 18	No	No	No	MM3
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	Same	No	No	No	MM3
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	Same	No	No	No	MM3
d) Disturb any human remains, including those interred outside of formal cemeteries?	Same	No	No	No	MM3

**Discussion:** The MND discussed the potential for subsurface remains or deposits to be found on the site, and included a mitigation measure requiring a cessation of work should any item of cultural interest be found. The mitigation was found to render potential impacts less than significant. This mitigation remains applicable to the proposed Project.

**Mitigation Measures:** MM3—In the event of the discovery of buried paleontological, archaeological, or historic deposits, project activities in the vicinity of the find shall be temporarily halted and a qualified archaeologist consulted to assess the resource and provide proper management recommendations. Possible management recommendations for important resources could include resource avoidance or data recovery excavations. If human remains are found, the Placer County Coroner's Office shall be contacted immediately. The Coroner shall contact the Native American Heritage Commission, which shall notify the appropriate descendant.

**VI. Geology and Soils**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:	Page 19	No	No	No	None
i) Ruptures 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.)	Same	No	No	No	None
ii) Strong seismic ground shaking?	Same	No	No	No	None
iii) Seismic-related ground failure, including liquefaction?	Same	No	No	No	None
iv) Landslides?	Same	No	No	No	None
b) Result in substantial soil erosion or the loss of topsoil?	Same	No	No	No	None
c) Be located in a geological 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?	Same	No	No	No	None
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?	Same	No	No	No	None

e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	Same	No	No	No	None
<p><b>Discussion:</b> The MND indicated that compliance with existing regulations and permit requirements would be sufficient to avoid impacts related to these issues. This conclusion remains appropriate for this Project.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					

## VII. Hazards and Hazardous Materials

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	Page 21	No	No	No	None
b) Create a significant hazard to the public or the environment though reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	Same	No	No	No	None
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within on-quarter mile of an existing or proposed school?	Same	No	No	No	None
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?	Same	No	No	No	None

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?	Same	No	No	No	None
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing in the project area?	Same	No	No	No	None
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	Same	No	No	No	None
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?	Same	No	No	No	None
<p><b>Discussion:</b> The MND concluded that existing regulations and permits would prevent significant impacts as it relates to construction activities on the site, but did not discuss operations because the impact is highly dependent on the specific type of use. Though land designated for industrial uses could house operations which use or handle large quantities of hazardous materials, a self-storage facility is not such a use. The office and caretaker's residence would have only those materials commonly found in households. Self-storage facilities also have rules prohibiting the personal storage of hazardous or noxious materials within the storage units. Thus, the operational Project would not result in significant impacts related to this topic.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					

# VIII. Hydrology and Water Quality

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Violate any water quality standards or waste discharge requirements?	Page 23	No	No	No	None
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there 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)?	Same	No	No	No	None
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?	Same	No	No	No	None
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?	Same	No	No	No	None
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 water?	Same	No	No	No	None
f) Otherwise substantially degrade water quality?	Same	No	No	No	None

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?	Same	No	No	No	None
h) Place within a 100-year flood hazard area structures, which would impede or redirect flood flows?	Same	No	No	No	None
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?	Same	No	No	No	None
j) Inundation by seiches, tsunami, or mudflow?	Same	No	No	No	None
<p><b>Discussion:</b> The MND indicated that there would be no impact with respect to flooding, and that existing regulations and permits would ensure that water quality and stormwater impacts would be less than significant. This conclusion remains appropriate for this Project.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					



**IX. Land Use and Planning**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Physically divide an established community?	Page 24	No	No	No	None
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 effect?	Same	No	No	No	None
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	Same	No	No	No	None
<p><b>Discussion:</b> The MND concluded that developing the property consistent with its land use designations would not result in significant impacts. This conclusion remains appropriate for this Project.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					

## X. Mineral Resources

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
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?	Page 24	No	No	No	None
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?	Same	No	No	No	None
<p><b>Discussion:</b> The MND indicated that there were no significant mineral resources in the area. This conclusion remains appropriate for this Project.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					

## XI. Noise

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Exposer 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?	Page 25	No	No	No	None

b) Exposure of persons to or generation of excessive ground borne vibration of ground borne noise levels?	Same	No	No	No	None
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	Same	No	No	No	None
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	Same	No	No	No	None
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?	Same	No	No	No	None
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?	Same	No	No	No	None

**Discussion:** The MND addressed construction noise, and found the impact to be less than significant. In terms of operational noise, a self-storage facility is not a noise-generating use and there are no sensitive noise receptors (such as homes) near the site; there will be no significant impacts which result from its operation.

**Mitigation Measures:** None required for this Project.

**XII. Population and Housing**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, though extension of roads or other infrastructure)?	Page 26	No	No	No	None
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	Same	No	No	No	None
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	Same	No	No	No	None
<p><b>Discussion:</b> The MND concluded that site development was not housing-related, was consistent with land use designations and thus would not induce unplanned growth, and would not displace housing. This conclusion remains appropriate for this Project.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					

**XIII. Public Services**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
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 the public services:					
a) Fire protection?	Page 26	No	No	No	None
b) Police protection?	Same	No	No	No	None
c) Schools?	Same	No	No	No	None
d) Parks?	Same	No	No	No	None
e) Other public facilities?	Same	No	No	No	None
<p><b>Discussion:</b> The MND indicates that the City's General Plan examined Citywide service needs based on land use designations, so any project consistent with existing land use designations would not negatively impact services. This conclusion remains appropriate for this Project.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					

#### XIV. Recreation

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that physical deterioration of the facility would occur or be accelerated?	Page 27	No	No	No	None
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?	Same	No	No	No	None
<p><b>Discussion:</b> As indicated in the MND, development of an industrial property does not result in any additional recreational facility demand.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					



**XV. Transportation/Traffic**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	Page 28	No	No	No	None
b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	Same	No	No	No	None
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?	Same	No	No	No	None
d) Substantially increase hazards due to a design feature(s) (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	Same	No	No	No	None
e) Result in inadequate emergency access?	Same	No	No	No	None

f) Conflict with adopted policies, plans, or programs supporting public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	Same	No	No	No	None
<p><b>Discussion:</b> As stated in the MND, the Citywide traffic analysis of the General Plan was based on the existing land use designations. Projects consistent with the existing land use designations will not result in any new impacts. The developer will be required to pay Citywide fees that support the Capital Improvement Plan. This conclusion remains appropriate for this Project.</p> <p><b>Mitigation Measures:</b> None required for this Project.</p>					

## XVI. Utilities and Service Systems

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	Page 28	No	No	No	None
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?	Same	No	No	No	None
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?	Same	No	No	No	None

d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	Same	No	No	No	None
e) Result in a determination by the wastewater treatment provider which serves the project that it has adequate capacity to serve the project's projected demand in addition of the provider's existing commitments?	Same	No	No	No	None
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	Same	No	No	No	None
g) Comply with federal, state, and local statutes and regulations related to solid waste?	Same	No	No	No	None

**Discussion:** The MND addressed only the grading impacts. However, as described in the MND, the City's General Plan EIR analysis was based on development consistent with existing land use designations. The analysis discussed water, sewer, and landfill demand. The Project is consistent with existing land use designations, and will not result in significant impacts.

**Mitigation Measures:** None required for this Project.

**XVII. Mandatory Findings of Significance**

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any New Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any New Information Requiring New Analysis or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
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 eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, threatened or rare species, or eliminate important examples of the major periods of California history or prehistory?	Page 30	No	No	No	None
b) Does the project have impacts which 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.)	Same	No	No	No	None
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	Same	No	No	No	None

**Discussion:** The MND indicated that because development of the site would be consistent with existing land use designations, that any cumulative impacts had already been addressed via the City's General Plan. This conclusion remains appropriate for this Project.

## **ENVIRONMENTAL DETERMINATION:**

---

*In reviewing the site specific information provided for this project and acting as Lead Agency, the City of Roseville, Development Services Department, Planning Division has analyzed the potential environmental impacts created by this project and determined that the findings of CEQA Section 15162 concerning the decision not to prepare a subsequent EIR or negative declaration and the findings of CEQA Section 15164 concerning the decision to prepare an Addendum can be made. As supported by substantial evidence within the Addendum to the NIPA PCL 50–Foothills Corporate Center Grading Plan Mitigated Negative Declaration (SCH # 2012092002, certified October 11, 2012), the Lead Agency makes the following findings:*

[ X ] No substantial changes are proposed in the project which would require major revisions of the previous EIR or negative declaration.

[ X ] No substantial changes have occurred with respect to the circumstances under which the project is undertaken.

[ X ] There is no new information of substantial importance which was not known and could not have been known with the exercise of due diligence at the time the previous EIR was certified as complete or the Negative Declaration was adopted.

[ X ] Only minor technical changes or additions are necessary in order to deem the adopted environmental document adequate.

Addendum Prepared by:

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Lauren Hocker, Associate Planner  
City of Roseville, Planning Division

## **Attachments:**

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1. October 11, 2012 adopted Mitigated Negative Declaration and Initial Study

**Traffic Impact Technical Analysis for:  
Lantech Business Center**

**Submitted to:  
City of Roseville**

**February 17, 1992**



**Fehr & Peers Associates**  
Transportation Consultants

775 Sunrise Avenue  
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Roseville, CA 95661  
**916 773-1900**

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**Traffic Impact Technical Analysis for  
Lantech Business Center**

**February 17, 1992  
922-202**



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## Table of Contents

<u>Chapter</u>	<u>Page</u>
I. INTRODUCTION.....	1
A. Purpose.....	1
B. Scope .....	1
II. EXISTING CONDITIONS .....	3
A. Traffic Volumes .....	3
B. Level of Service .....	3
III. PROJECT IMPACTS .....	6
A. Trip Generation .....	6
B. Traffic Distribution .....	6
C. Traffic Volumes .....	6
D. Level of Service .....	6
IV. FUTURE CONDITIONS .....	11
V. IMPACTS OF 7.4 ACRE REZONE ON FUTURE CONDITIONS .....	15
VI. PROJECT ACCESS .....	20
A. Short-Term Conditions .....	20
B. Long-Term Conditions .....	20
VII. PROPOSED REZONE ALTERNATIVE .....	21

## List of Figures

<u>Figure</u>		<u>Page</u>
1	Project Location .....	2
2	Existing PM Peak Hour Traffic Volumes & Geometries .....	4
3	Project Area .....	7
4	Existing Plus Project PM Peak Hour Traffic Volumes & Geometries ..	9
5	Future Base PM Peak Hour Traffic Volumes .....	12
6	Future Lane Geometries .....	13
7	Proposed 7.4 Acre Rezone Site .....	16
8	Future With 7.4 Acre Commercial Rezone PM Peak Hour Traffic Volumes .....	18
9	Alternative Area To Be Rezoned To Commercial .....	22

## List of Tables

<u>Table</u>	<u>Page</u>
1 Level of Service Definitions For Signalized Intersections and Stop Controlled Intersections .....	5
2 Trip Generation .....	8
3 P.M. Peak Hour Level of Service Short-Term Conditions .....	10
4 P.M. Peak Hour Level of Service Long-Term Conditions .....	14
5 Trip Generation Comparison Proposed Versus Approved .....	17
6 P.M. Peak Hour Level of Service Long Term Conditions .....	19
7 Trip Generation Comparison Proposed Rezone Alternative .....	23

## **I. INTRODUCTION**

### **A. Purpose**

This report identifies the traffic impacts from the proposed Lantech Business Center located on the east side of Foothill Boulevard about half a mile south of Blue Oaks Boulevard (see Figure 1). Currently the Business Center is zoned entirely for light industrial. The project proponent wishes to rezone of 7.4 acres of the 50.1 acre site from light industrial to commercial.

Because the proposed rezoning will result in more than 50 p.m. peak hour trips, the City is requiring that a traffic impact study be prepared addressing both short-term and long-term project impacts at selected study intersections.

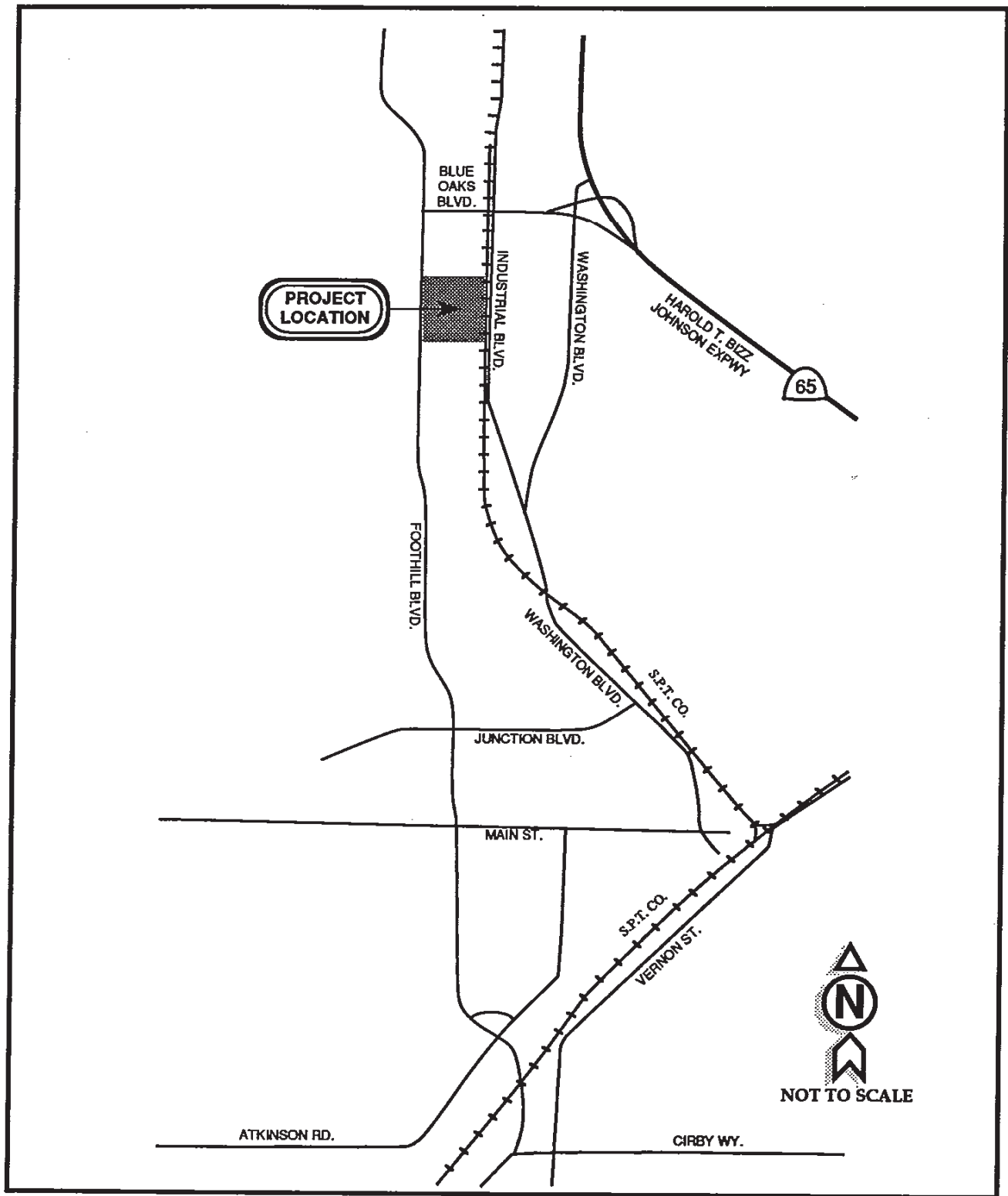
The short-term analysis focused on potential traffic impacts of the entire proposed development on existing traffic conditions in the immediate area. The long-term analysis focused on the impact of the rezone of the 7.4 acres from light industrial to commercial. The study also evaluated access to the site and driveway throat depth.

### **B. Scope**

The City of Roseville's engineering staff identified the following intersections for analysis:

- |            |  |
|------------|--|
| Short Term | <ul style="list-style-type: none"><li>• Foothill Boulevard/main access to Hewlett-Packard</li><li>• Foothill Boulevard/secondary access to Hewlett-Packard</li><li>• Foothill Boulevard/Blue Oaks Boulevard</li></ul>  |
| Long Term  | <ul style="list-style-type: none"><li>• Roseville Parkway/Foothill Boulevard</li><li>• Foothill Boulevard/Techcenter Drive</li><li>• Foothill Boulevard/Blue Oaks Boulevard</li><li>• Roseville Boulevard/Washington Boulevard</li><li>• Roseville Parkway/Pleasant Grove Boulevard</li><li>• Washington Boulevard/Blue Oaks Boulevard</li><li>• Foothill Boulevard/Pleasant Grove Boulevard</li><li>• Roseville Parkway/Harding Boulevard</li></ul> |

Our study focused on the impacts during the p.m. peak hour, which is when the roadways experience the heaviest traffic conditions.



**FIGURE 1**

**PROJECT LOCATION**

**fp** Fehr & Peers Associates, Inc.  
Transportation Consultants



## II. EXISTING CONDITIONS

The current major roadway circulation system near the proposed project consists of Foothill Boulevard, Blue Oaks Boulevard and the Highway 65 Expressway (see Figure 1). Foothill Boulevard is a major north-south multi-lane arterial traversing almost the entire length of the City. Blue Oaks Boulevard is a east-west roadway that connects Foothill Boulevard with the Highway 65 Expressway. The Highway 65 Expressway connects Interstate 80 with Highway 65.

### A. Traffic Volumes

Fehr & Peers Associates conducted p.m. peak period traffic counts on Wednesday, January 29, 1992 at the intersections of Foothill Boulevard/main access to Hewlett-Packard, Foothill Boulevard/secondary access to Hewlett-Packard, and Foothill Boulevard/Blue Oaks Boulevard. Figure 2 shows the p.m. peak hour traffic volumes at the study intersections.

### B. Level of Service

We calculated the Level of Service at each study intersection. Level of Service is term used to describe the level of congestion experienced by an intersection. Service levels range from A (representing uncongested conditions) to F (representing congested conditions). Table 1 describes the breakdown in service levels. The methods for calculating service levels are:

Signalized Intersections - We calculated the Level of Service at the signalized intersections using the Transportation Research Board's Circular 212 planning methodology. The service level for a signalized intersection represents the average for the entire intersection. The City has adopted a policy to maintain or achieve Level of Service C at all signalized intersections.

Unsignalized Intersections - We calculated the Level of Service at the unsignalized intersections using the 1985 Highway Capacity Manual methodology. The service levels at unsignalized intersections are computed for each turning movement. We reported the turning movement with the worst Level of Service, which is usually the left-turns from a minor street to a major street. Also, we checked the unsignalized intersections to see if they warrant a traffic signal.

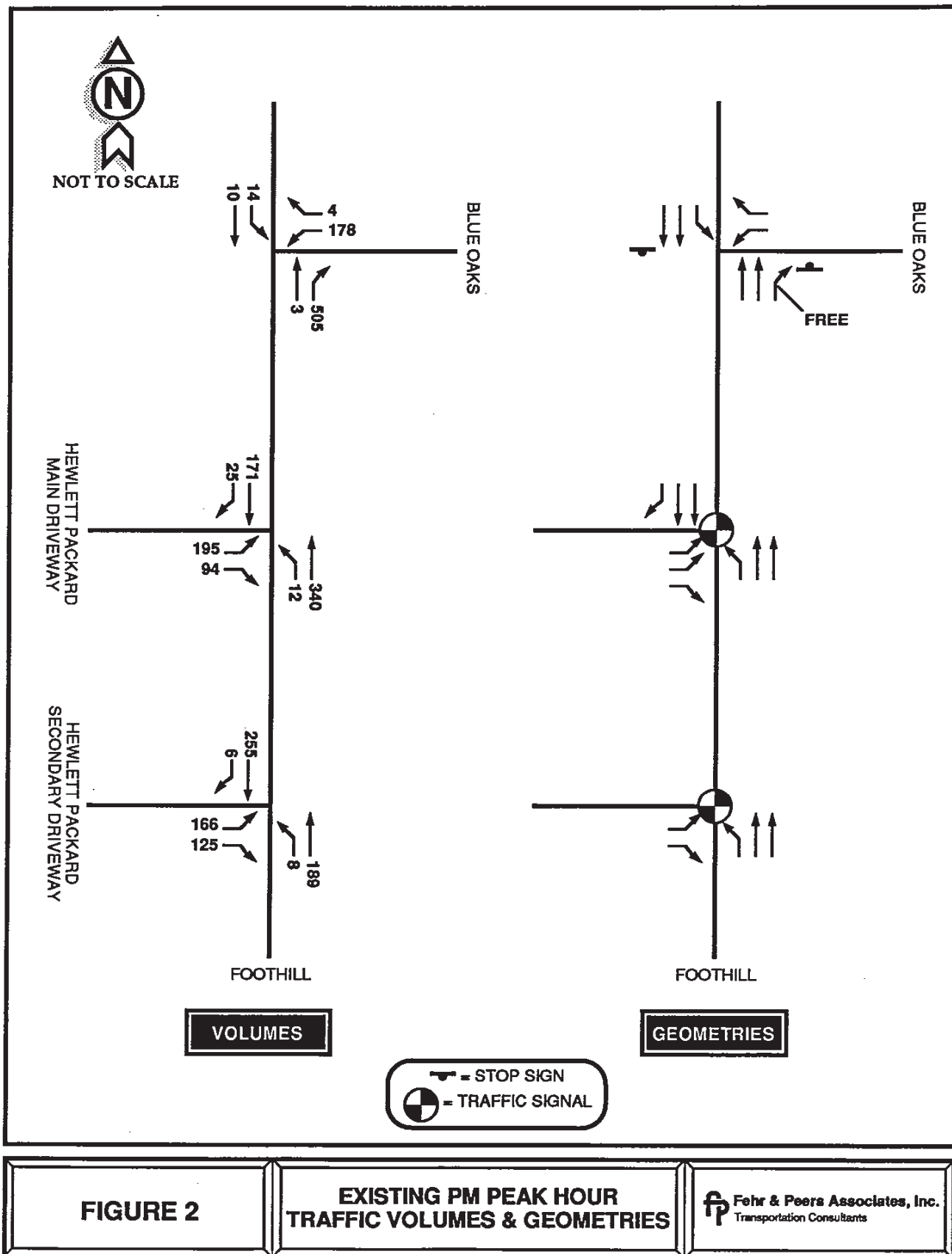
The current service levels at the study intersections are:

<u>Intersection</u>	<u>Control Type</u>	<u>V/C</u>	<u>LOS</u>
Foothill Blvd/Hewlett-Packard main access	Signalized	0.19	A
Foothill Blvd/Hewlett-Packard secondary access	Signalized	0.21	A
Foothill Boulevard/Blue Oaks Boulevard	Unsignalized	n/a <sup>1</sup>	B

As shown by the service levels, the three study intersection currently experience very little delay. The unsignalized intersection of Foothill Boulevard/Blue Oaks Boulevard does not have sufficient traffic volume to warrant a signal.

---

<sup>1</sup> The volume-to-capacity ratio is not applicable to unsignalized intersections



**FIGURE 2**

**EXISTING PM PEAK HOUR  
TRAFFIC VOLUMES & GEOMETRIES**

**fp** Fehr & Peera Associates, Inc.  
Transportation Consultants

**Table 1**

**LEVEL OF SERVICE DEFINITIONS FOR SIGNALIZED INTERSECTIONS**

<u>Level of Service</u>	<u>Description</u>	<u>Range of Volume Capacity Ratio</u>
A	Free Flow/Insignificant Delays: No approach phase is fully utilized by traffic and no vehicle waits through more than one red indication; excellent traffic operation.	0.00 - 0.59
B	Stable Operation/Minimum Delays: An occasional approach phase is fully utilized; platoons of vehicles are formed; very good traffic operation.	0.60 - 0.69
C	Stable Operation/Acceptable Delays: Major approach phase may become fully utilized; driver may occasionally have to wait through more than one indication; good traffic operation.	0.70 - 0.79
D	Approaching Unstable/Tolerable Delays: queues may develop but dissipate rapidly without excessive delays; fair traffic operation.	0.80 - 0.89
E	Unstable Operation/Significant Delays: Volumes at or near capacity; vehicles may wait through several signal cycles, long queues form upstream from intersection; poor traffic operation	0.90 - 0.99
F	Forced Flow/Excessive Delays: Represents jammed conditions; intersection operates below capacity with low volumes; queues may block upstream intersections.	1.00 - over

**LEVEL OF SERVICE DEFINITIONS FOR STOP CONTROLLED INTERSECTIONS**

<u>Reserve Capacity (PCPH)</u>	<u>Level of Service</u>	<u>Expected Delay</u>
≥ 400	A	Little or no delay
300-399	B	Short traffic delays
200-299	C	Average traffic delays
100-199	D	Long traffic delays
0-99	E	Very long traffic delays
*	F	*

\* When demand volume exceeds the capacity of the lane, extreme delays will be encountered with queuing which may cause severe congestion affecting other traffic movements in the intersection. This condition usually warrants improvement to the intersection.

Source: 1985 Highway Capacity Manual

### **III. PROJECT IMPACTS**

The proposed Lantech Business Center consists of 50.1 acres located on the east side of Foothill Boulevard across the street from the Hewlett-Packard complex about a half mile south of Blue Oaks Boulevard (see Figure 3). The proposed Business Center is comprised of two land uses, 7.4 acres of commercial and 42.7 acres of light industrial.

#### **A. Trip Generation**

According to information published by the Institute of Transportation Engineers (ITE), the light industrial part of the Business Center averages 11,060 square feet of gross leasable floor area for every acre. The commercial portion of the site was assumed to average 10,000 square feet of gross leasable floor area for every acre. Using the above square footages and trip generation rates published by ITE, the Business Center will generate approximately 5,790 daily, 470 a.m. and 730 p.m. peak hour trips (see Table 2).

The 7.4 acres of commercial includes a 40% reduction for pass-by traffic. Pass-by traffic is existing traffic on the adjacent roadways that uses the commercial facility. The pass-by traffic does not change the amount of traffic on the adjacent roadways but it does add traffic to the driveways of the commercial facility.

#### **B. Traffic Distribution**

We estimated the distribution of the Business Center's traffic by examining current traffic patterns and the traffic distribution from the Roseville 2005 traffic model. The following is a summary of the project's traffic distribution:

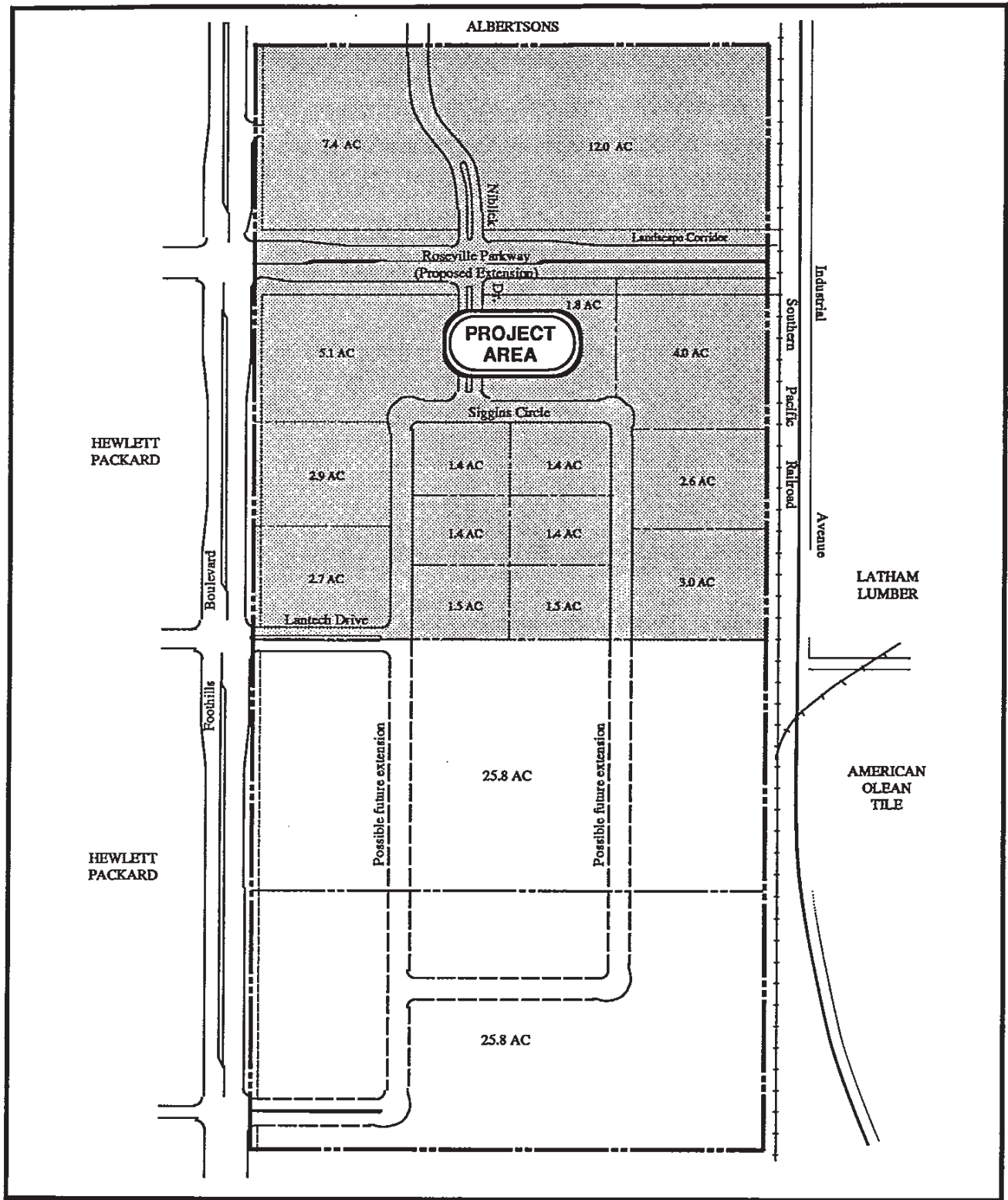
40% North on Foothill Boulevard  
60% South on Foothill Boulevard

#### **C. Traffic Volumes**

Figure 4 shows the p.m. peak hour traffic volumes with the addition of the Business Center's traffic. The largest increase in traffic is on Foothill Boulevard just south of Lantech Drive, which increases by about 50%.

#### **D. Level of Service**

Table 3 shows that with the addition of the Business Center's traffic, three study intersections will continue to operate at their current service levels. The two signalized intersections at Foothill Boulevard/Hewlett-Packard's main entrance and Foothill Boulevard/Hewlett-Packard's secondary entrance will continue to operate at Level of Service A. The unsignalized intersection of Foothill Boulevard/Blue Oaks Boulevard will continue to operate at Level of Service B.



**FIGURE 3**

**PROJECT AREA**

**fp** Fehr & Peers Associates, Inc.  
Transportation Consultants

Table 2  
Trip Generation

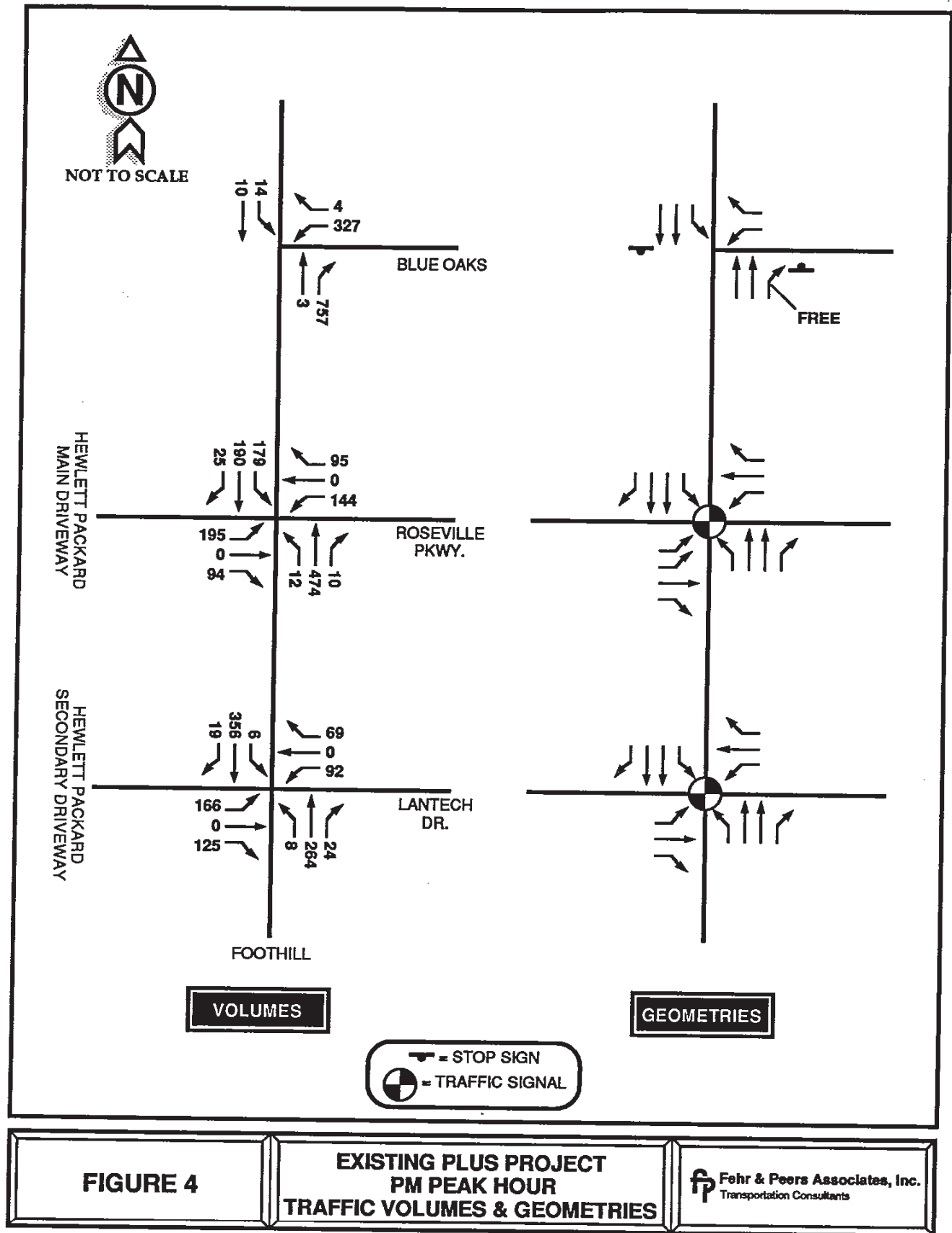
Land Use	Acres	Square Feet	Daily	A.M. Peak Hour		P.M. Peak Hour	
				In	Out	In	Out
Light Industrial	42.7	472,260	3,103	318	70	85	319
Commercial <sup>1</sup>	<u>7.4</u>	74,000	<u>2,689</u>	<u>51</u>	<u>31</u>	<u>163</u>	<u>162</u>
Total	50.1		5,792	369	101	248	481

ITE Trip Generation Rates:

	Daily	A.M.	P.M.
Industrial Park <sup>2</sup>	$T = 4.949 (x) + 765.587$	$\ln (T) = 0.818 \ln (x) + 0.916$	$T = [(1.027/x) + 0.00064]^{-1}$
Commercial <sup>3</sup>	$\ln(T) = 0.625 \ln (x) + 5.985$	$\ln (T) = 0.589 \ln (x) + 2.378$	$\ln(T) = 0.637 \ln(x) + 3.553$

T = Total trips  
Ln = Natural Log  
X = 1,000 square feet

- <sup>1</sup> Assumes a 40% reduction for pass-by traffic.  
<sup>2</sup> Assumes 11,060 square feet of gross leasable area per acre.  
<sup>3</sup> Assumes 10,000 square feet of gross leasable area per acre.





**Table 3**  
**P.M. Peak Hour Level of Service**  
**Short-Term Conditions**

<u>Intersection</u>	<u>Existing</u>		<u>Existing + Project</u>	
	<u>V/C</u>	<u>LOS</u>	<u>V/C</u>	<u>LOS</u>
<b>SIGNALIZED</b>				
Foothill Blvd./Hewlett-Packard Main Entrance	0.19	A	0.38	A
Foothill Blvd./Hewlett-Packard Secondary Entrance	0.21	A	0.26	A
<b>UNSIGNALIZED<sup>1</sup></b>				
Foothill Blvd./Blue Oaks Blvd.	N/A	B	N/A	B

---

<sup>1</sup> Volume-to-capacity ratio not applicable to unsignalized intersections.

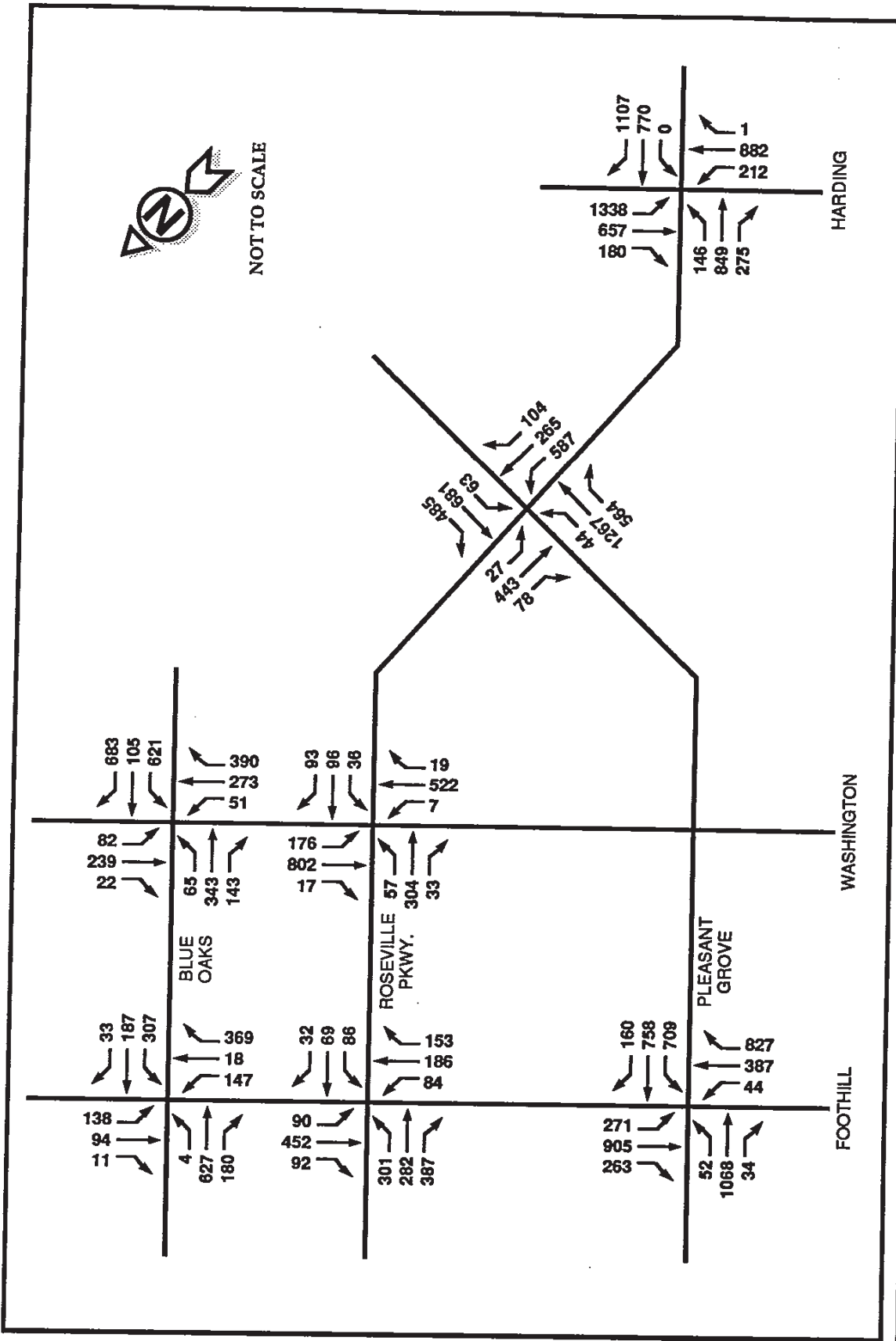
#### IV. FUTURE CONDITIONS

City staff provided Fehr & Peers Associates year 2010 traffic volumes for eight intersections. The traffic model from which the volumes are based assumed that the 50.1 acre site develops entirely with light industrial uses (see Figure 3). Our analysis identifies the impacts of rezoning 7.4 acres to commercial. The study intersections are:

- Roseville Parkway/Foothill Boulevard
- Foothill Boulevard/Blue Oaks Boulevard
- Roseville Boulevard/Washington Boulevard
- Roseville Parkway/Pleasant Grove Boulevard
- Washington Boulevard/Blue Oaks Boulevard
- Foothill Boulevard/Pleasant Grove Boulevard
- Roseville Parkway/Harding Boulevard

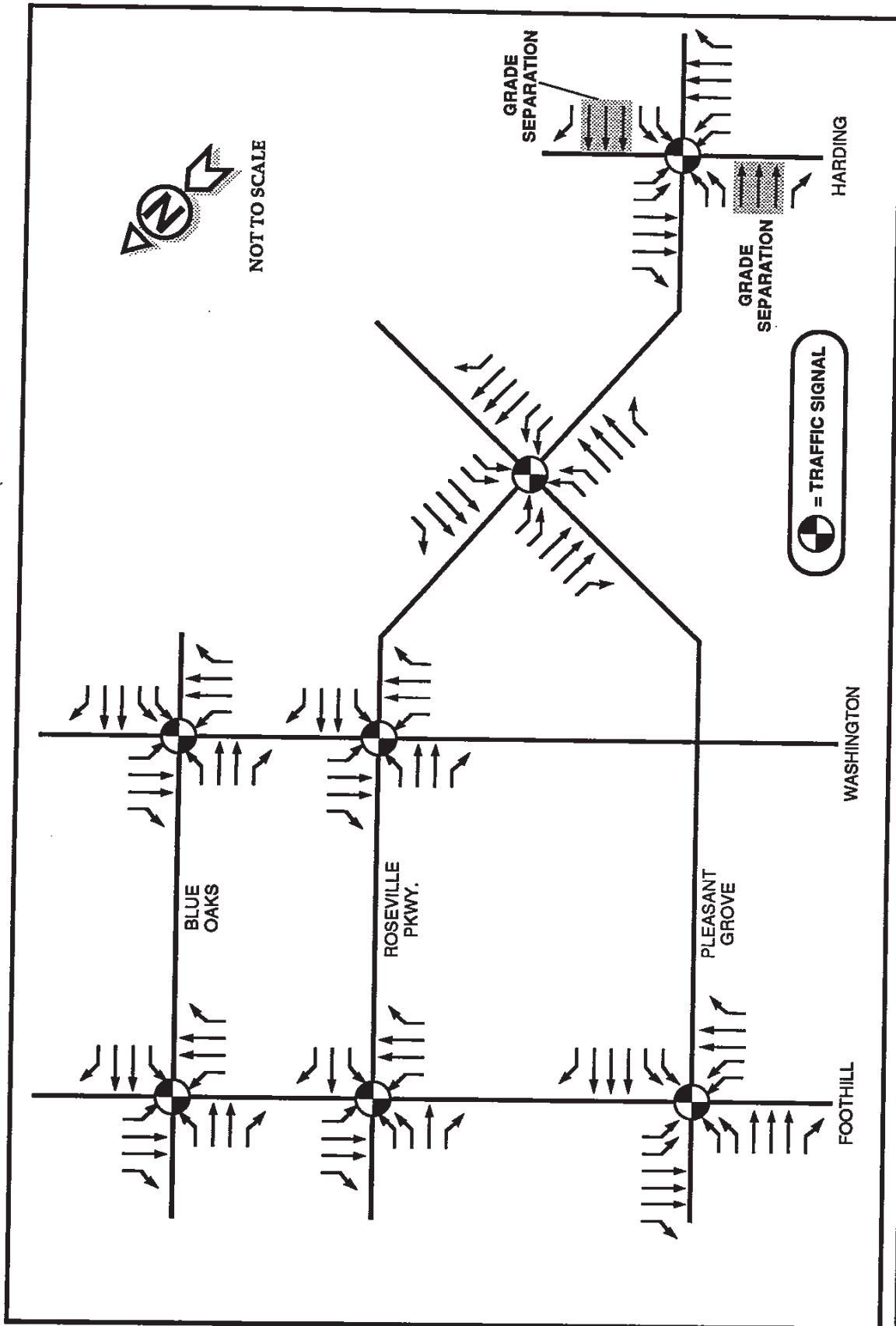
Figure 5 shows the future 2010 traffic volumes at the study intersections. The City also provided us with the intersection geometries from which we determined the intersection service levels (see Figure 6). Table 4 shows that all the intersections operate at Level of Service C or better.

The proposed Lantech Business Center is included in the future 2010 traffic conditions as 50.1 acres of light industrial. However, the proposed rezone of the 7.4 acres from light industrial to commercial is not represented in the future conditions. The next section identifies the impacts resulting from rezoning the 7.4 acre site.



**FUTURE BASE  
PM PEAK HOUR TRAFFIC VOLUMES**

**FIGURE 5**



**Table 4**  
**P.M. Peak Hour Level of Service**  
**Long-Term Conditions**

<u>Intersection</u>	<u>Future Base</u>	
	<u>V/C</u>	<u>LOS</u>
Foothill Blvd./Blue Oaks Blvd.	0.59	A
Blue Oaks Blvd./Washington Blvd.	0.51	A
Roseville Pkwy./Foothill Blvd.	0.48	A
Foothill Blvd./Pleasant Grove Blvd.	0.76	C
Roseville Pkwy./Washington Blvd.	0.45	A
Roseville Pkwy./Pleasant Grove Blvd.	0.65	B
Roseville Pkwy./Harding Blvd. <sup>1</sup>	0.76	C

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<sup>1</sup> Assumes grade separation improvements.

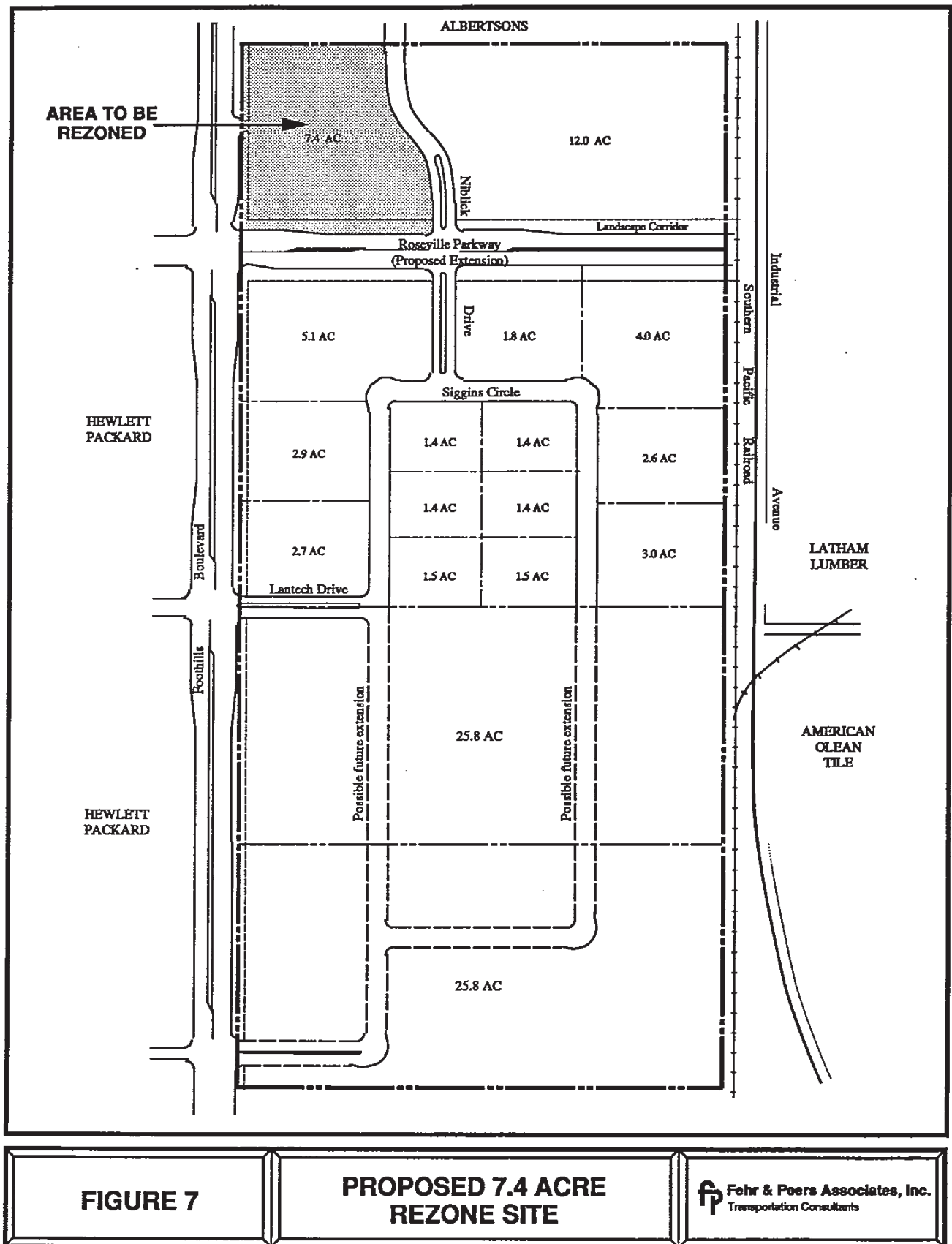
## V. IMPACTS OF 7.4 ACRE REZONE ON FUTURE CONDITIONS

This section describes the impacts from replacing the 7.4 acres of light industrial with commercial under future conditions. The 7.4 acre site is located at the northeast corner of the Foothill Boulevard/Roseville Parkway intersection (see Figure 7). Access to the site will be from a driveway on Foothill Boulevard and at Niblick Drive. The driveway on Foothill Boulevard will prohibit left-turns out. The intersection of Roseville Parkway/Niblick Drive will permit all turning movements except for northbound and southbound left-turns from Niblick Drive.

Table 5 compares the trip generation of the 7.4 acre site for light industrial versus commercial uses. The commercial uses will result in a net increase of 2,284 daily trips, 28 a.m. peak hour trips, and 266 p.m. peak hour trips. We assigned the commercial trips to the roadway network using a spatial distribution derived from the traffic model:

2%	North on Foothill Boulevard
52%	East on Roseville Parkway and North on Washington Blvd. to Highway 65
25%	East on Roseville Parkway
21%	South on Foothill Boulevard

Figure 8 shows the traffic volumes, with the 7.4 acres of commercial at the study intersections. As shown in Table 6 the service levels do not change as a result of the 7.4 acre commercial rezone. All of the intersections will operate at Level of Service C or better.



**FIGURE 7**

**PROPOSED 7.4 ACRE  
REZONE SITE**

**fp Fehr & Peers Associates, Inc.**  
Transportation Consultants

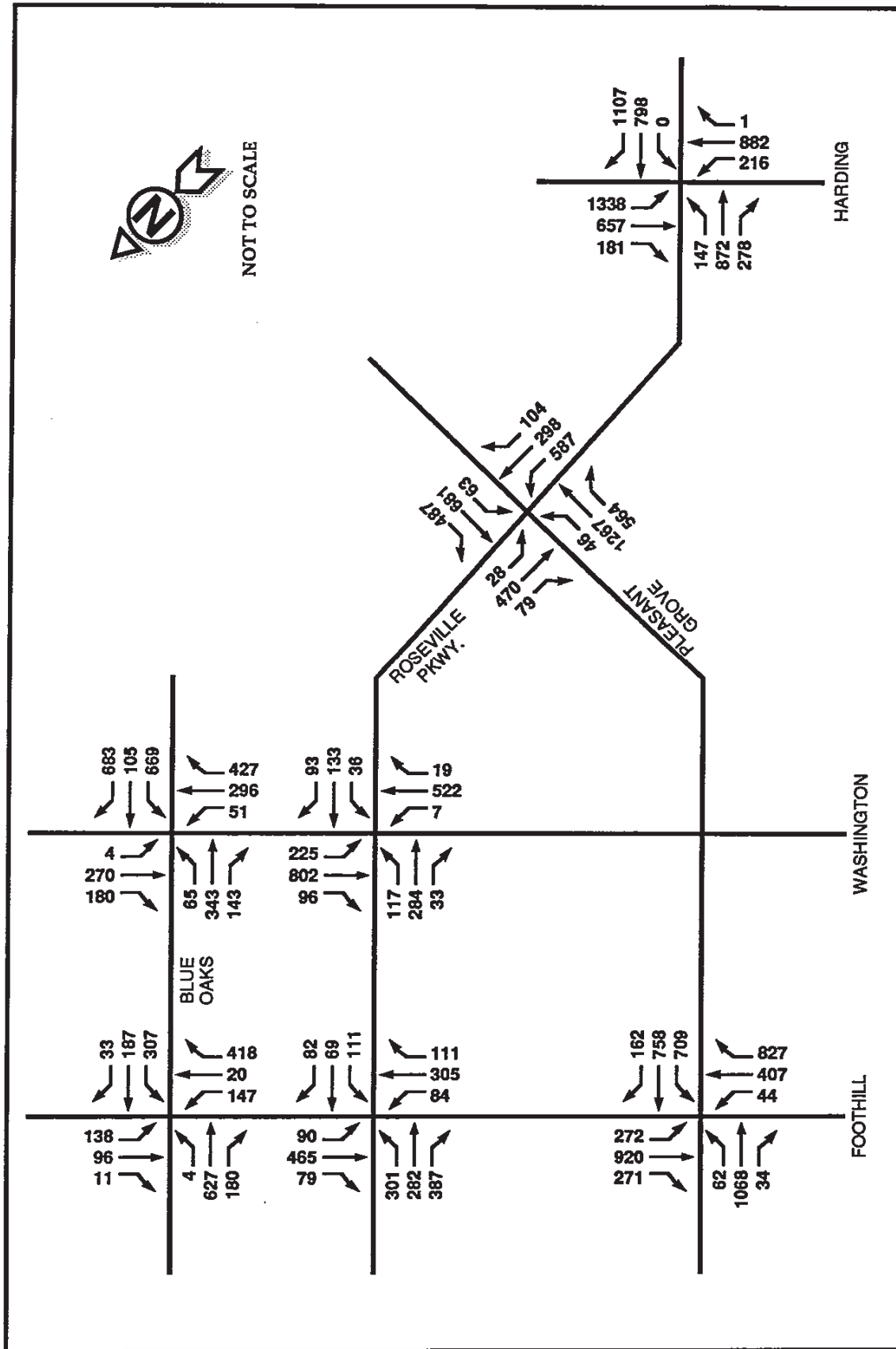


**Table 5**  
**Trip Generation Comparison**  
**Proposed Versus Approved**

<u>Scenario</u>	<u>Land Use</u>	<u>Acres</u>	<u>Square Feet</u>	<u>Trips</u>		
				<u>Daily</u>	<u>A.M. Peak Hour</u>	<u>P.M. Peak Hour</u>
Approved	Light Industrial	50.1	554,110	3,508	442	464
Proposed	Light Industrial	42.7	472,260	3,103	388	404
	Commercial <sup>1</sup>	<u>7.4</u>	<u>74,000</u>	<u>2,682</u>	<u>82</u>	<u>326</u>
	Proposed total	50.1	546,260	5,792	470	730
	Net Increase			2,284	28	266

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<sup>1</sup> Assumes 40% reduction for pass-by traffic.



**FUTURE WITH 7.4 ACRE COMMERCIAL REZONE  
PM PEAK HOUR TRAFFIC VOLUMES**

**FIGURE 8**

**Table 6**  
**P.M. Peak Hour Level of Service**  
**Long Term Conditions**

<u>Intersection</u>	<u>Future Base</u>		<u>Future W/Commercial</u>	
	<u>V/C</u>	<u>LOS</u>	<u>V/C</u>	<u>LOS</u>
Foothill Blvd./Blue Oaks Blvd.	0.59	A	0.59	A
Blue Oaks Blvd./Washington Blvd.	0.51	A	0.50	A
Roseville Pkwy./Foothill Blvd.	0.48	A	0.52	A
Foothill Blvd./Pleasant Grove Blvd.	0.76	C	0.76	C
Roseville Pkwy./Washington Blvd.	0.45	A	0.49	A
Roseville Pkwy./Pleasant Grove Blvd.	0.65	B	0.66	B
Roseville Pkwy./Harding Blvd. <sup>1</sup>	0.76	C	0.76	C

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<sup>1</sup> Assumes grade separation improvements.

## VI. PROJECT ACCESS

Fehr & Peers Associates evaluated project access under both short- and long-term conditions.

### A. Short-Term Conditions

Under short-term conditions, Lantech Drive crosses the southern portion of the project and intersects Foothill Boulevard across from Hewlett-Packard's secondary access road (see Figure 3). Another road, which will become Roseville Parkway in the future, traverses the middle of the project site and intersects Foothill Boulevard across from Hewlett-Packard's main access road. As described under project impacts, both intersections will operate at Level of Service A with the addition of the Business Center's traffic. The proposed throat depths at the two intersections are within the City's standards. The westbound left-turn storage lane at the Roseville Parkway/Foothill Boulevard intersection should be extended to a minimum of 200'.

A third driveway at Foothill Boulevard, north of Roseville Parkway, accesses the proposed commercial site and permits all turning movements except for left-turns out. The southbound left-turn storage lane to the commercial site should be a minimum of 50'. A throat depth of 25' is adequate for this driveway.

### B. Long-Term Conditions

For year 2010 conditions, Fehr & Peers Associates evaluated site access at Lantech Drive, Niblick Drive, and the commercial site's driveway to Foothill Boulevard (see Figure 7). With the traffic from the Business Center, the three intersections will continue to operate at Level of Service A:

<u>Intersection</u>	<u>2010 Base</u>		<u>2010 Base</u>	
	<u>v/c</u>	<u>LOS</u>	<u>with Rezone</u>	<u>LOS</u>
Roseville Parkway/Niblick Drive	0.22	A	0.27	A
Foothill Boulevard/Lantech Drive	0.45	A	0.47	A
Foothill Boulevard/Commercial Site Driveway	N/A	A	N/A	A

The proposed throat depths at Lantech Drive and Niblick Drive are adequate. Also the recommended 50' southbound left-turn storage lane and 25' throat depth for the commercial site's driveway to Foothill Boulevard are adequate.

## **VII. PROPOSED REZONE ALTERNATIVE**

The project proponent asked us to describe the impacts resulting from rezoning 12.5 acres of the project site from light industrial to commercial uses. The 12.5 acres are the 7.4 acre site located at the northeast corner of Foothill Boulevard/Roseville Parkway intersection (the proposed rezone) and a second 5.1 acre site located on the southeast corner of the Foothill Boulevard/Roseville Parkway intersection (see Figure 9).

With 12.5 acres of commercial, the proposed project site will generate about 7,700 daily trips, 460 a.m. peak hour trips, and 780 p.m. peak hour trips. Table 7 compares the trip generation of the project site with 12.5 acres of commercial with the approved zoning and proposed rezoning. The proposed alternative uses will generate 46 more p.m. peak hour trips than the proposed rezoning, and 311 more p.m. peak hour trips than the approved zoning.

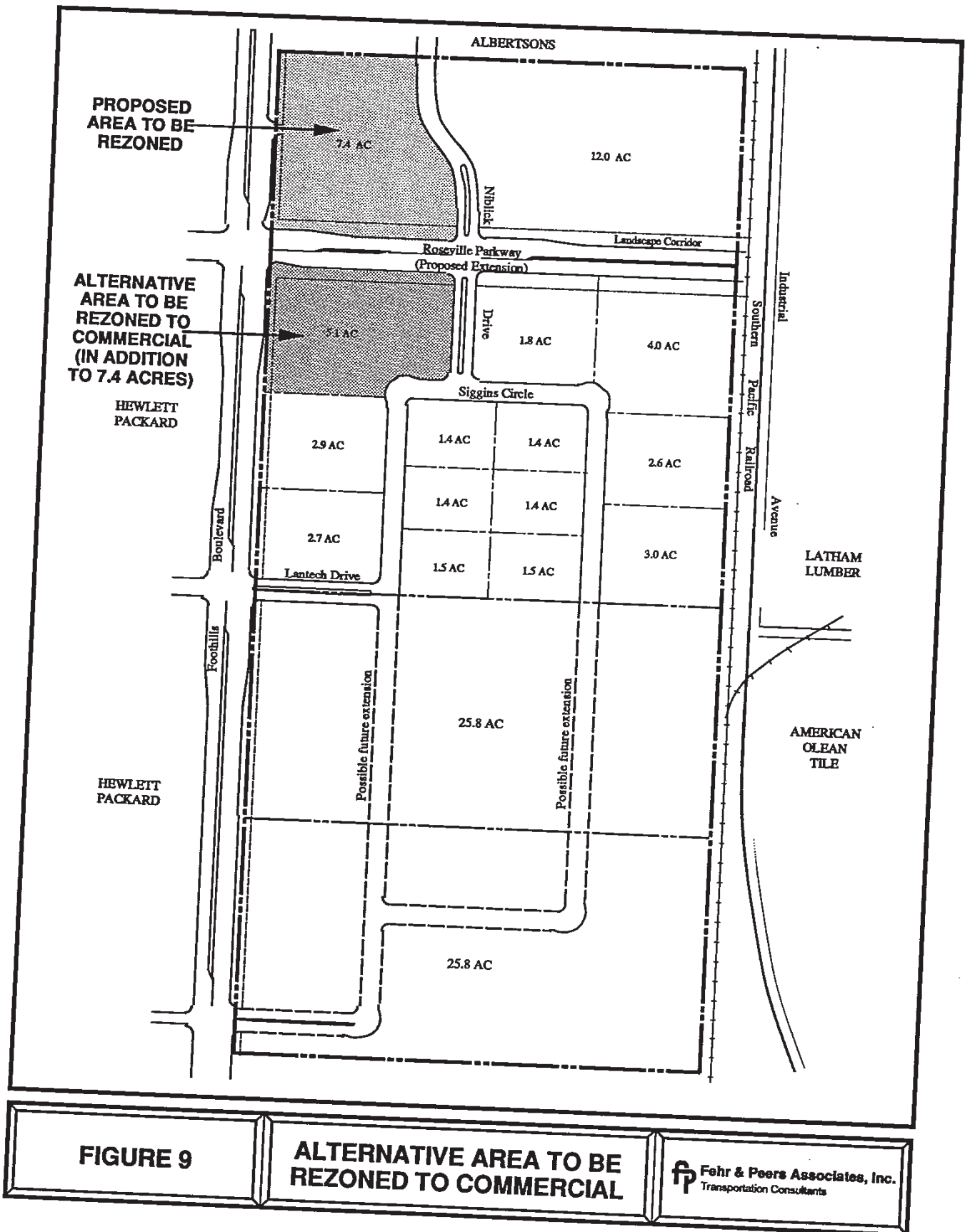


Table 7  
Trip Generation Comparison  
Proposed Rezone Alternative

Scenario	Land Use	Acres	Square Feet	Daily Trips	A.M. Peak Hour Trips			P.M. Peak Hour Trips		
					In	Out	Total	In	Out	Total
Approved	Light Industrial	50.1	554,110	3,508	362	80	442	98	366	464
Proposed	Light Industrial	42.7	472,260	3,103	318	70	388	85	319	404
	Commercial	7.4	74,000	2,689	51	31	82	163	162	325
	Proposed Subtotal	50.1		5,792	369	101	470	248	481	729
Alternative	Light Industrial	37.6	415,856	2,824	284	63	347	68	253	321
	Commercial	12.5	125,000	4,875	70	41	111	227	227	454
	Alternative Subtotal	50.1		7,699	354	104	458	295	480	775