



ADDENDUM TO NIPA PCL 50 – Foothills Corporate Center Grading Plan

Project Title/File Number:	NIPA PCL 50 – Warehouse, File #PL21-0210
Project Location:	751 Roseville Pw, Roseville, CA 95678
Project Description:	The project request includes a Design Review Permit to allow the construction of a 206,785 square foot warehouse building and associated site improvements on a 14.05 acre parcel in the North Industrial Plan Area (NIPA).
Project Applicant:	Jeff Thompson, Morton & Pitalo
Property Owner:	Ridge Capital Inc., c/o Michelle Azevedo
Lead Agency Contact:	Shelby Maples, Associate Planner

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.

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PROJECT DESCRIPTION

Project Location

The project site is located at 751 Roseville Pw., formerly addressed as 8801 Foothills Bl. The site is to the east of Foothills Bl., and is bounded on the south by the future extension of Roseville Pw. and on the east by the Union Pacific rail lines. The approximately 14.05 acre parcel is a portion of the Foothills Corporate Center site.

Background

The project site was previously evaluated with the Foothills Corporate Center Grading Plan project, File #2012PL-064. The prior MND covered approximately 60 acres, and included vernal pools, seasonal wetlands, and seasonal wetland swales on the site. 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 is within the development footprint evaluated by the adopted MND, and will construct a warehouse facility that is consistent with the existing land use and zoning designations.

Location	Zoning	General Plan Land Use	Actual Use of Property
Site	M1	Light Industrial	Vacant
North	M1	Light Industrial	Save Mart Distribution Center, warehouse
South	M1	Light Industrial	Fedex Distribution Center, warehouse
East	M2	General Industrial	Vacant, industrial
West	M1	Light Industrial	Vacant

Environmental Setting

The approximately 14.05 acre project site is located within a developed area of the City of Roseville, and constitutes a portion of the site known as the Foothill Corporate Center. The entire site has been graded, and no biological or other resources remain on the site.

Proposed Project

The project request includes a Design Review Permit to evaluate a proposed 206,785-square-foot, 41-foot-tall warehouse building and associated site improvements. As proposed, the plan includes a total of four (4) potential offices, 42 loading dock doors on the north side of the building, and a total of 233 parking stalls. The project site has a Light Industrial (M1) zoning designation and a Light Industrial (LI) land use designation, and is located within the City's North Industrial Plan area.

PURPOSE AND SCOPE OF ADDENDUM

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 (File #2012PL-064). The MND covered the mass grading activity for the entire Foothills Commerce Center site. The proposed project site at 751 Roseville Pw. comprises a small portion of that site. 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 is within the development footprint evaluated by the adopted MND, and will construct a warehouse facility that is consistent with the existing land use and zoning designations.

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 does not change the anticipated land use type, mass grading assumptions, or development footprint of 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 of the buildings (i.e. restaurant vs. retail) on the property. For other types of impacts which are affected by use type and square footages, the project uses are consistent with what was anticipated for the land use type and maintain the same levels potential impacts, as discussed in this Addendum.

ENVIRONMENTAL CHECKLIST FOR ADDENDUM ENVIRONMENTAL REVIEW

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 Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a. Have a substantial adverse effect on a scenic vista?	Page 7	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. In non-urbanized area, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	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

Discussion: The previous analysis stated that the project area does not abut and is not visible from any designated scenic vista or scenic highway. The proposed project involves the construction of an industrial warehouse building, which is consistent with the land use and zoning designations, North Industrial Plan Area (NIPA) Design Guidelines, and the Community Design Guidelines. The project site is surrounded by urban development.

The primary aesthetic disruption is due to the conversion of an undeveloped site to an urban environment. This impact was covered by the MND. The Findings of Fact for the CEQA Implementing Procedures indicate that compliance with the Community Design Guidelines (Resolution 95-347) and applicable Specific Plan policies and/or Specific Plan Design Guidelines (in this case, NIPA) will prevent significant impacts related to construction of buildings in urban settings. Therefore, pursuant to CEQA Guidelines Section 15164, subdivision (a), the city finds that "none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred" relative to aesthetic resources.

Mitigation Measures: None required for this Project.

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 Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New 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 8	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>Discussion: The MND concluded that there were no resources to be affected by conversion of the site to urban uses. This conclusion remains appropriate for this Project. Therefore, pursuant to CEQA Guidelines Section 15164, subdivision (a), the city finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to agricultural resources.</p> <p>Mitigation Measures: None required for this Project.</p>					

III. Air Quality

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or More Severe Impacts?	Any Circumstances Involving New Significant Impacts or More Severe Impacts?	Any Information Requiring New or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Conflict with or obstruct implementation of the applicable air quality plan?	Page 10-15	No	No	No	None
b) 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?	Same	No	No	No	None
c) Expose sensitive receptors to substantial pollutant concentrations?	Same	No	No	No	None
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	Same	No	No	No	None

Discussion: The MND concluded that construction emissions were below significance threshold adopted by the Placer County Air Pollution Control Board (PCAPCD) and that standard dust control and other construction measures would be sufficient to avoid construction impacts. The analysis noted that the General Plan EIR adopted a statement of overriding considerations related to the cumulative impact analyses of air quality impacts, and details the reductions and policies implemented to reduce impacts where feasible. The MND further found that there are no substantial odor producers in the vicinity, and the probable users of the site would not produce substantial odors. The MND also concluded that the operational emissions of the project would be below the identified thresholds.

The proposed industrial warehouse building is approximately 206,785 square feet in size, located on one of the parcels previously analyzed by the MND. According to the published screening table associated with the PCAPCD thresholds of significance, general industrial buildings under 894,262 square feet will not result in NOx emissions that exceed 55 lbs/day. Typically, NOx emissions are substantially higher than ROG and PM10; therefore, it can be assumed that projects that do not exceed the NOx threshold will not exceed the ROG and PM10 thresholds and will not result in a significant operational impact. As the proposed project is well below the screening threshold, the project is not expected to result in construction or operation emissions that would exceed the district's thresholds of significance. The MND findings are still applicable to the Project. Therefore, pursuant to CEQA Guidelines Section 15164, subdivision (a), the city finds that "none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred" relative to air quality.

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 16-17	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 state or federally protected wetlands (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

Discussion: The MND included an analysis of biological resources, and found that mitigation would be required to reduce impacts to less than significant levels. At the time the MND was prepared, the site consisted of rolling grasslands, an ephemeral drainage swale, and several wetland features, including vernal pools, seasonal wetlands, and a seasonal wetland swale. No trees were located on site. A Wetland Delineation was prepared by ECORP Consulting in 2005 and a Biological Assessment (BA) was prepared in 2006 which identified these features and detailed the effects of project implementation on special status species. The surveys found that no special status species were present on site. However, due to the impact of the grading plan on wetland features, the MND required Mitigation Measure MM1, which stated that prior to issuance of the 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.” As grading for the site has already occurred, this mitigation measure has been completed.

Additionally, the MND included an analysis of habitat on the site, which at the time was undisturbed. Mitigation Measure MM2 required the completion of special status species surveys prior to construction, pursuant to Federal and State protocols.

At this time, the entire site has been mass graded and approximately 50-percent of the site is developed. The proposed project does not change the previously evaluated area of development, and does not result in any new or modified impacts to biological resources. Therefore, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred.”

Mitigation Measures: None required for this Project.

V. Cultural Resources

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or More Severe Impacts?	Any Circumstances Involving New Significant Impacts or More Severe Impacts?	Any Information Requiring New or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Cause a substantial adverse change in the significance of an historic resource pursuant to 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	Same
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	Same	No	No	No	Same
<p>Discussion: The MND discussed the potential for subsurface remains or deposits to be found on the site, and found that unanticipated discoveries were unlikely due to previous surveys of the Plan area. However, the MND applied the City's standard construction measures, which required cessation of work should any item of cultural interest be found, to ensure the Project will have a less than significant impact on cultural resources (MM30. This condition remains applicable to the proposed project and no additional mitigation is required. Therefore, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds that "none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred."</p> <p>Mitigation Measures: None required for this Project.</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) Directly or indirectly cause 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
f) Directly or indirectly destroy a unique paleontological resource or site or unique geological feature?	Same	No	No	No	None
<p>Discussion: The MND indicated that compliance with existing regulations and permit requirements would be sufficient to avoid impacts related to geology and soils. This conclusion remains appropriate for this Project. Therefore, pursuant to CEQA Guidelines section 15164, subdivision (a), the City finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred.”</p> <p>Mitigation Measures: None required for this Project.</p>					

VII. Greenhouse Gases

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or More Severe Impacts?	Any Circumstances Involving Significant Impacts or More Severe Impacts?	Any Information Requiring New or Analysis 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?	Page 10-15	No	No	No	None
b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	Same	No	No	No	Same
<p>Discussion: In the original MND, Greenhouse Gas impacts were analyzed in the Air Quality section of the document. 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 concluded that the operational emissions of the project would be below the identified thresholds.</p>					

The proposed industrial warehouse building is approximately 206,785 square feet in size, located on one of the parcels previously analyzed by the MND. According to the published screening table associated with the PCAPCD thresholds of significance for greenhouse gas emissions, general industrial buildings under 901,709 square feet will not exceed the bright line threshold of 10,000 MT CO₂e/yr established for the construction and operational phase of land use projects and stationary source projects. As the proposed project is well below the screening threshold, the project is not expected to result in construction or operation emissions that would exceed the district’s thresholds of significance. The MND findings are still applicable to the Project. Therefore, pursuant to CEQA Guidelines Section 15164, subdivision (a), the city finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to greenhouse gas emissions.

Mitigation Measures: None required for this Project.

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 or excessive noise for people residing or working in the project area?	Same	No	No	No	None
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	Same	No	No	No	None
g) Expose people or structures either directly or indirectly to a significant risk of loss, injury or death involving wildland fires?	Same	No	No	No	None

Discussion: The MND noted that the project site 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 therefore would not create a significant hazard to the public or the environment. The MND concluded that the City’s existing regulations and permits would prevent significant impacts as it relates to construction activities on the site. The proposed project will be required to comply with these standards. Therefore, pursuant to CEQA Guidelines Section 15164, subdivision (a), the city finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to hazardous materials.

Mitigation Measures: None required for this Project.

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 Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	Page 22-23	No	No	No	None
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	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 or through the addition of impervious surfaces, in a manner which would:	Same	No	No	No	None
i) result in substantial erosion or siltation on or off-site;	Same	No	No	No	None
ii) 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
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater systems or provide substantial additional sources of polluted runoff; or	Same	No	No	No	None
iv) impede or redirect flood flows?	Same	No	No	No	None

d) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	Same	No	No	No	None
e) 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
f) In flood hazard, tsunami, or seiches zones, risk release of pollutants due to project inundation?	Same	No	No	No	None

Discussion: The MND noted that the developer is required to prepare and submit a Stormwater 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 the materials that will affect water quality. Compliance with City standards, as well as the best management practices (BMPs) required by the SWPPP, will ensure than impacts to water quality are considered less than significant. Additionally, the MND discusses the potential impacts related to increased runoff as disclosed in the General Plan EIR. The General Plan EIR assumed full build-out of this site, as well as other properties in the City, and evaluated downstream flooding impacts from increased surface water runoff. The proposed Project does not expand the development footprint beyond what was evaluated in the MND, and no new or substantially more severe impacts are anticipated. Therefore, pursuant to CEQA Guidelines Section 15164, subdivision (a), the city finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to hydrology and water quality.

Mitigation Measures: None required 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 Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New or Analysis Verification?	Prior Documents' Environmental Mitigation Measures Implemented or Addressing Impacts.
a) Physically divide an established community?	Page 22-23	No	No	No	None
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation of an agency adopted for the purpose of avoiding or mitigating an environmental effect?	Same	No	No	No	None
<p>Discussion: The MND indicated that there would be no impact with respect to these criteria, and that the project was consistent with the Zoning Ordinance, NIPA, and General Plan policies which were adopted for the purpose of avoiding environmental effects. The proposed project is consistent with the Light Industrial land use and zoning designations. Therefore, pursuant to CEQA Guidelines Section 15164, subdivision (a), the city finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to land use and planning.</p> <p>Mitigation Measures: None required for this Project.</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 Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New or Analysis Verification?	Prior Documents' Environmental 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
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Discussion: The MND indicated that there were no significant mineral resources in the area. This conclusion remains appropriate for this Project. Therefore, pursuant to CEQA Guidelines Section 15164, subdivision (a), the city finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to mineral resources.

Mitigation Measures: None required 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 Circumstances Involving Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New or Verification?	Prior Environmental Documents' Mitigation Measures Implemented or Addressing Impacts.
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project 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) Generation of excessive ground borne vibration of ground borne noise levels?	Same	No	No	No	None
c) For a project located within the vicinity of a private airstrip or 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

Discussion: The MND addressed construction noise, and found the impact to be less than significant. Operational noise was not evaluated for the grading activities. The proposed Project will develop the site with a warehouse facility, which includes truck activity and loading bays. The project site is an industrial parcel, surrounded by other industrial parcels, and is not located near any sensitive receptors (the MND indicates the nearest sensitive receptors are greater than 1,700 feet away). The Project will develop the site consistent with the General Plan land use and zoning designations, and will be subject to City Noise Ordinance regulations. Pursuant the CEQA Guidelines Section 15164, subdivision (a), the City finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to noise impacts.

Mitigation Measures: None required for this Project.

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 Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New or Analysis Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Induce substantial unplanned 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 people or housing, necessitating the construction of replacement housing elsewhere?	Same	No	No	No	None

Discussion: The MND states that the project is not housing-related, does not displace existing housing, and does not induce growth beyond what was anticipated in the General Plan EIR; therefore, there are no impacts to population and housing. This conclusion remains appropriate for the proposed Project. Pursuant the CEQA Guidelines Section 15164, subdivision (a), the City finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to population and housing.

Mitigation Measures: None required for this Project.

XIV. Public Services

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New 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>Discussion: The MND states that the project site will develop consistent with the land use and zoning designations, and therefore not increase demands for public services, including police and fire protection, wastewater services, and solid waste disposal, beyond levels anticipated in the General Plan EIR. This conclusion remains appropriate for the proposed Project. Pursuant the CEQA Guidelines Section 15164, subdivision (a), the City finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to public services.</p> <p>Mitigation Measures: None required for this Project.</p>					

XV. Recreation

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New or Verification?	Prior Documents Environmental 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?	Page 27	No	No	No	None

Discussion: The MND indicates that the Project would not increase park usage in the area of the project. The proposed project is a warehouse, and industrial uses are not expected to increase recreation demands. The MND notes that adequate recreation facilities are located near the project area and no additional facilities are required. There is no impact to recreation facilities. Pursuant the CEQA Guidelines Section 15164, subdivision (a), the City finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to recreation.

Mitigation Measures: None required for this Project.

XVI. Transportation

	Where Impact Was Analyzed in Prior Environmental Documents.	Do Proposed Changes Involve New Significant Impacts or Substantially More Severe Impacts?	Any Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New or Analysis Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	Pages 27-28	No	No	No	None
b) Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	Same	No	No	No	None
c) Substantially increase hazards due to a geometric design feature(s) (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	Same	No	No	No	None
d) Result in inadequate emergency access?	Same	No	No	No	None

Discussion: The MND anticipated short term impacts during construction; however, operational activities were not evaluated for the grading plan. The proposed Project is a warehouse facility, which will have employee travel and trucking activity. The proposed Project was reviewed by the Development Services – Engineering Division, and as the project is consistent with the existing industrial land use and zoning designations, the site will not generate trips in excess of what was anticipated by the General Plan EIR. Impacts to transportation and traffic are consistent with the impacts analyzed in the General Plan EIR. Pursuant the CEQA Guidelines Section 15164, subdivision (a), the City finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to transportation.

Mitigation Measures: None required for this Project.

XVII. 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 Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New or Verification?	Prior Environmental Documents Mitigation Measures Implemented or Addressing Impacts.
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	Page 28	No	No	No	None
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	Same	No	No	No	None
c) 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
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	Same	No	No	No	None
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	Same	No	No	No	None

Discussion: The MND found that the prior project would have no impacts on utilities and services as it related to grading activities. The proposed project has been evaluated by City and external service and utility providers, and has been found to be consistent with standards. The proposed Project is consistent with the industrial land use and zoning designations; therefore, the demands for utilities and services are within the scope of what was evaluated by the General Plan EIR. Pursuant the CEQA Guidelines Section 15164, subdivision (a), the City finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to utilities and service systems.

Mitigation Measures: None required for this Project.

XVIII. Other Considerations

Since the publication of the MND and its subsequent Addendums, the Office of Planning and Research (OPR) has updated CEQA Guidelines Appendix G (Environmental Checklist Form). These updates address legislative changes to CEQA, clarify language, and update language consistent with case law. None of the changes to the checklist require new analysis related to impacts which were not known or which could not have been known at the time the MND was prepared. The majority of the checklist changes clarify language, reorganize existing language, or eliminate analysis requirements. For analysis requirements which have been eliminated, this is in response to case law affirming that analysis must focus on impacts caused by the project, not impacts to the project. An example of each of these types of changes is included below:

- Cultural Resources (a): Cause a substantial adverse change in the significance of an historic resource as defined in pursuant to Section 15064.5?
 - The replacement of “as defined in” with “pursuant to” is a phrasing change which has no impact on required analysis.
- Cultural Resources (c) has been moved to Geology and Soils (f).
 - Moving the topical section of this analysis requirement (which is related to paleontological resources) from Cultural Resources to Geology and Soils has no impact on required analysis.
- Noise (b): Exposure of persons to or generation of excessive ground borne vibration of ground borne noise levels?
 - The above changes redirect the analysis from considering overall exposure of persons to ground borne vibration, and focus the analysis on any ground borne vibration generated by a project. This same change is reflected in all other checklist questions related to noise. Therefore, the MND includes more analysis than is currently required, because it included analysis related to exposing neighboring areas to noise, but also analyzed the effect of noise on the proposed uses; the latter analysis is no longer required.

The updated CEQA Guidelines Appendix G also includes three new sections (Tribal Cultural Resources, Energy, and Wildfire) and includes new and modified requirements as part of the Transportation/Traffic section. Although Tribal Cultural Resources section is new, the analysis of this impact area was included in the MND as part of the Cultural Resources section. The new Energy section was formerly included in CEQA Guidelines Appendix F, but has been moved into the Appendix G, so while it is new to the checklist it is not new to the CEQA Guidelines. The changes to the Transportation/Traffic section—which is now called simply Transportation—refocuses the analysis on vehicle miles traveled (VMT). The analysis included in the Addendum does not include VMT analysis in order to be consistent with the original MND. For the Wildfire section, impacts are analyzed for areas in or near CalFire state responsibility areas. Impacts to fire protection were analyzed in the MND, and incorporated cities such as the City of Roseville are not located within state responsibility areas.

Based on the foregoing, none of the modifications to CEQA Guidelines Appendix G require new analysis related to impacts which were not known or which could not have been known at the time the MND was prepared. Therefore, an Addendum is the appropriate environmental document to describe the impacts of the proposed project.

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 Circumstances Involving New Significant Impacts or Substantially More Severe Impacts?	Any Information Requiring New or Analysis 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?	Pages 29-30	No	No	No	None

<p>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.)</p>	<p>Same</p>	<p>No</p>	<p>No</p>	<p>No</p>	<p>None</p>
<p>c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?</p>	<p>Same</p>	<p>No</p>	<p>No</p>	<p>No</p>	<p>None</p>

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 in the City’s General Plan EIR. This conclusion remains appropriate for this Project. The Amoruso Ranch EIR, which included an updated Citywide analysis, evaluated the potential for cumulative impacts. The proposed Project intends to develop the site consistent with the land use and zoning designations. The project would not substantially increase the severity of the identified significant cumulative impacts. Pursuant the CEQA Guidelines Section 15164, subdivision (a), the City finds that “none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred” relative to the mandatory findings.

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 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:

Shelby Maples, Associate Planner
City of Roseville, Development Services–Planning Division

Attachments:

1. NIPA PCL 50 – Foothills Corporate Center Grading Plan Mitigated Negative Declaration and Attachments



**NOTICE OF INTENT TO ADOPT A
MITIGATED NEGATIVE DECLARATION**

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

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

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
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Property Owner:	Daisy Stires, Sterling Savings Bank ; (509) 227-0960 ; 111 North Wall St., Spokane, WA 99026
Lead Agency Contact Person:	Derek Ogden, Associate Planner - City of Roseville; (916) 774-5276

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

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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 Figure 1).

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.

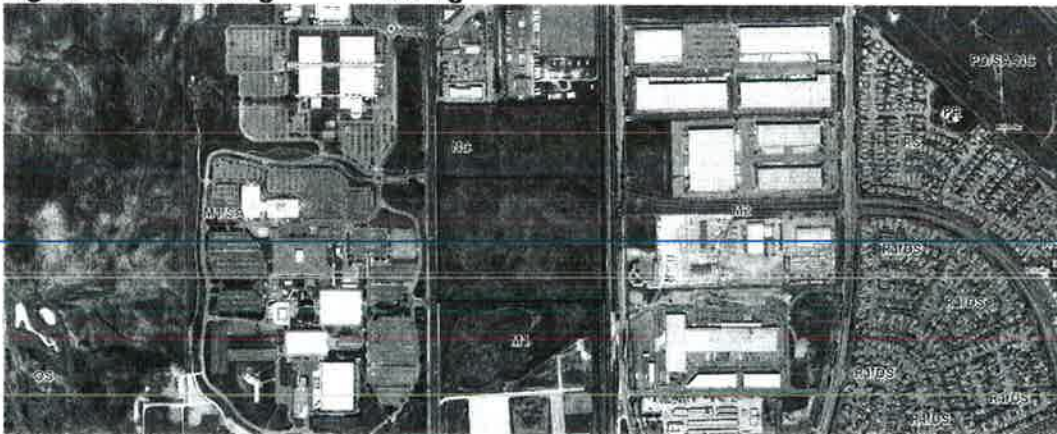
The majority of the property has a zoning designation of Light Industrial (M1) and a General Plan land use designation of Light Industrial (LI) (Figure 1). A portion of the property in the northwestern corner of the site has a zoning designation of Neighborhood Commercial (NC).

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-Fiddyment 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 CO₂. 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 CO₂ 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 CO₂ 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 CO₂ 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 CO₂ 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 CO₂ 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.
- **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 CO₂ 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. U.S.Dept.ofEnergy.
 - **Carbon monoxide (CO)** – 63%
 - **Nitrogen oxides (NO_x)** – 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 CO₂ 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) 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 contactor 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 preforms 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

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

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

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

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

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

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

Environmental Issue	Potentially Significant	Potentially Significant Unless Mitigated	Less Than Significant	No Impact
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:

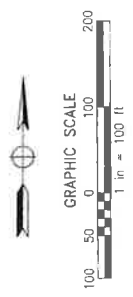
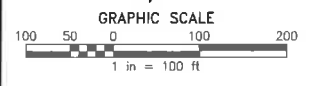


 Derek Ogden, Associate Planner
 City of Roseville Planning & Housing Department

Attachments:

1. Project Grading Plan
2. ECORP Summary

ATTACHMENT 1

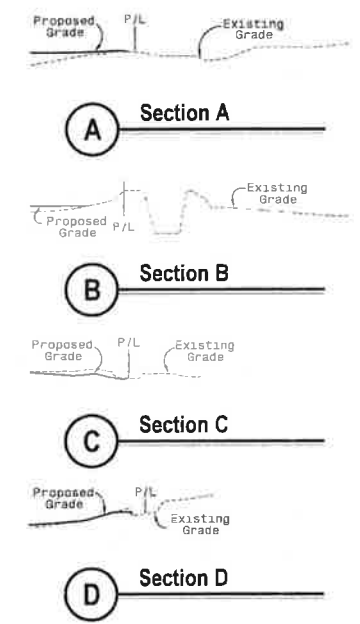
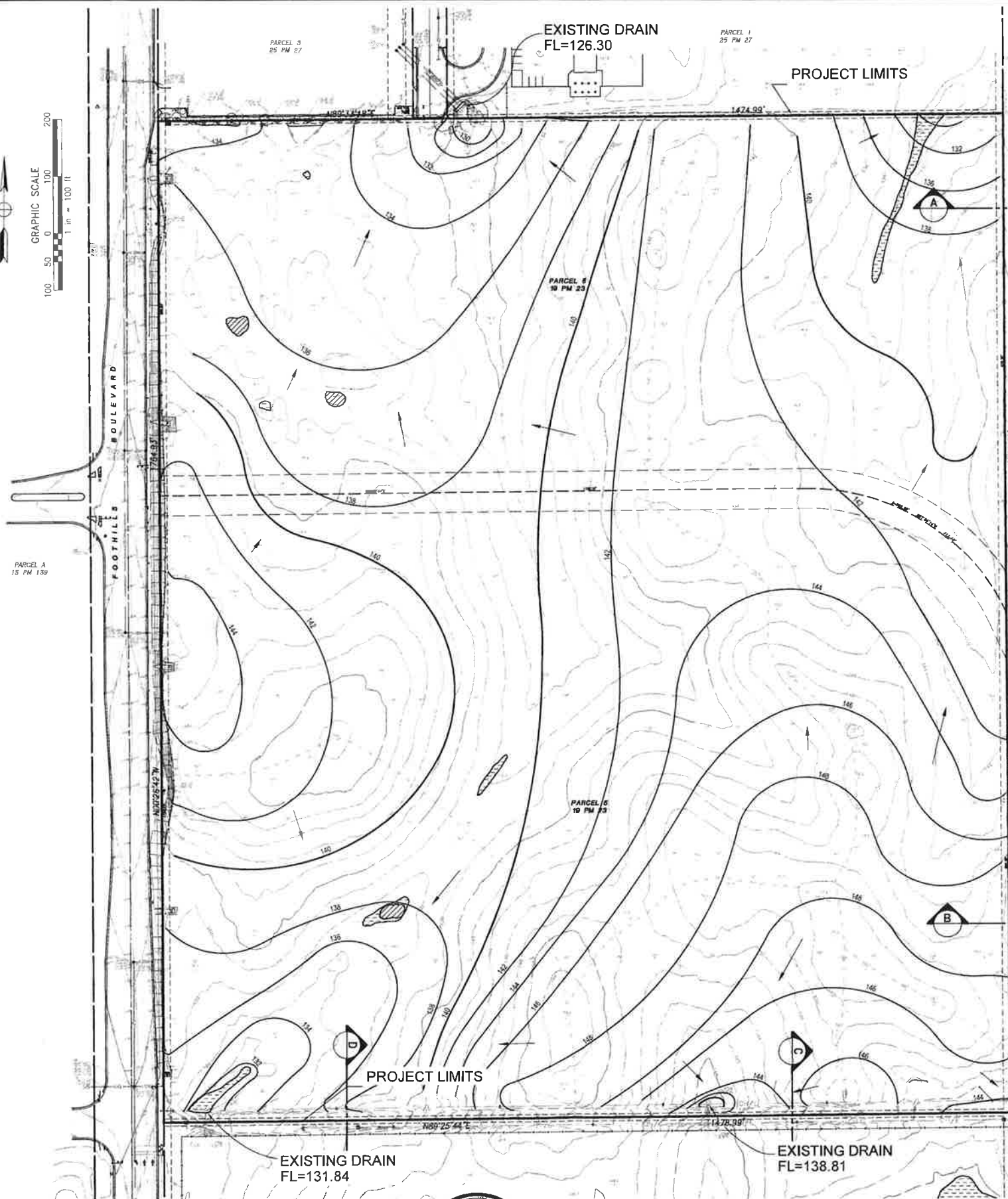


LEGEND

EXISTING	DESCRIPTION
	STORM DRAIN PIPE & SIZE
	SANITARY SEWER PIPE & SIZE
	DOMESTIC WATER PIPE & SIZE
	FIRE PROTECTION WATER PIPE & SIZE
	NATURAL GAS PIPE & SIZE
	CATV, 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
BLDG	BUILDING	MIN	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&GS	CURB, GUTTER AND SIDEWALK	PI	POINT OF INTERSECTION
CONC	CONCRETE	PL	PROPERTY LINE
CL	CENTERLINE	PP	POWER POLE
CO	CLEANOUT OR COUNTY	PRC	POINT OF REVERSE CURVE
CONST	CONSTRUCT	PT	POINT OF TANGENCY
COTG	CLEANOUT TO GRADE	PUE	PUBLIC UTILITY EASEMENT
CR	CURB RETURN	PVMT	PAVEMENT
DA	INCLUDED ANGLE	R	RADIUS OR RIDGE
D	STORM DRAIN	RAD	RADIAL
DI	DRAIN INLET	RP	REDUCED PRESSURE BACKFLOW PREVENTER
DIA Ø	DIAMETER	RT	RIGHT
DIP	DUCTILE IRON PIPE	RAW	RIGHT OF WAY
DIMH	STORM DRAIN MANHOLE	S	SLOPE OR SEWER
DTL	DETAIL	SD	STORM DRAIN
DWG	DRAWING	SMH	SEWER MANHOLE
DWY	DRIVEWAY	SS	SANITARY SEWER
(E), EXIST	EXISTING	STA	STATION
EC	END HORIZONTAL CURVE	STD	STANDARD
EP	EDGE OF PAVEMENT	SW	SIDEWALK
ESMT	EASEMENT	TB	TOP OF BANK
FL	FLOWLINE	TC	TOP OF CURB
G	GAS	TEL	TELEPHONE
GB	GRADE BREAK	TEMP	TEMPORARY
GFL	GUTTER FLOWLINE	TMH	TELEPHONE MANHOLE
GR	INLET GRATE	TPH	TELEPHONE POLE
HSL	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
LIP	EDGE OF GUTTER PAN	W	WATER
LSCP	LANDSCAPE	WS	WATER SERVICE



OWNER/DEVELOPER
COASTAL PARTNERS, LLC
3001 DOUGLAS BLVD., SUITE 340
ROSEVILLE, CA 95661
(916) 773-0550

ENGINEER
MORTON & PITALO INC.
75 IRON POINT CIR., SUITE 120
FOLSOM, CA 95630
(916) 984-7621

ASSESSOR'S PARCEL NUMBERS
017-230-014 & 15

AREA
59.8± AC.

EXISTING ZONING
NC AND M-1

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

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

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

NO.	DESCRIPTION	APPR. BY	DATE	APPR. BY	DATE

SCALE:	BENCH MARK
HORIZ. 1" = 100'	
VERT. 1" = N/A	

COMPUTED	
DESIGNED	GJB
DRAWN	
PROJ. ENGR.	GJB



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



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Special-Status Species Assessment

Foothills Corporate Center

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 Special-Status Species Assessment 3
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Figure 3. Natural Resources Conservation Service Soil Types..... 7
Figure 4. California Natural Diversity Database (CNDDDB) Occurrence Map 9

LIST OF TABLES

Table 1 – Potentially Occurring Special-Status Species. 8

LIST OF ATTACHMENTS

- Attachment A – California Natural Diversity Database (CNDDDB) 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.

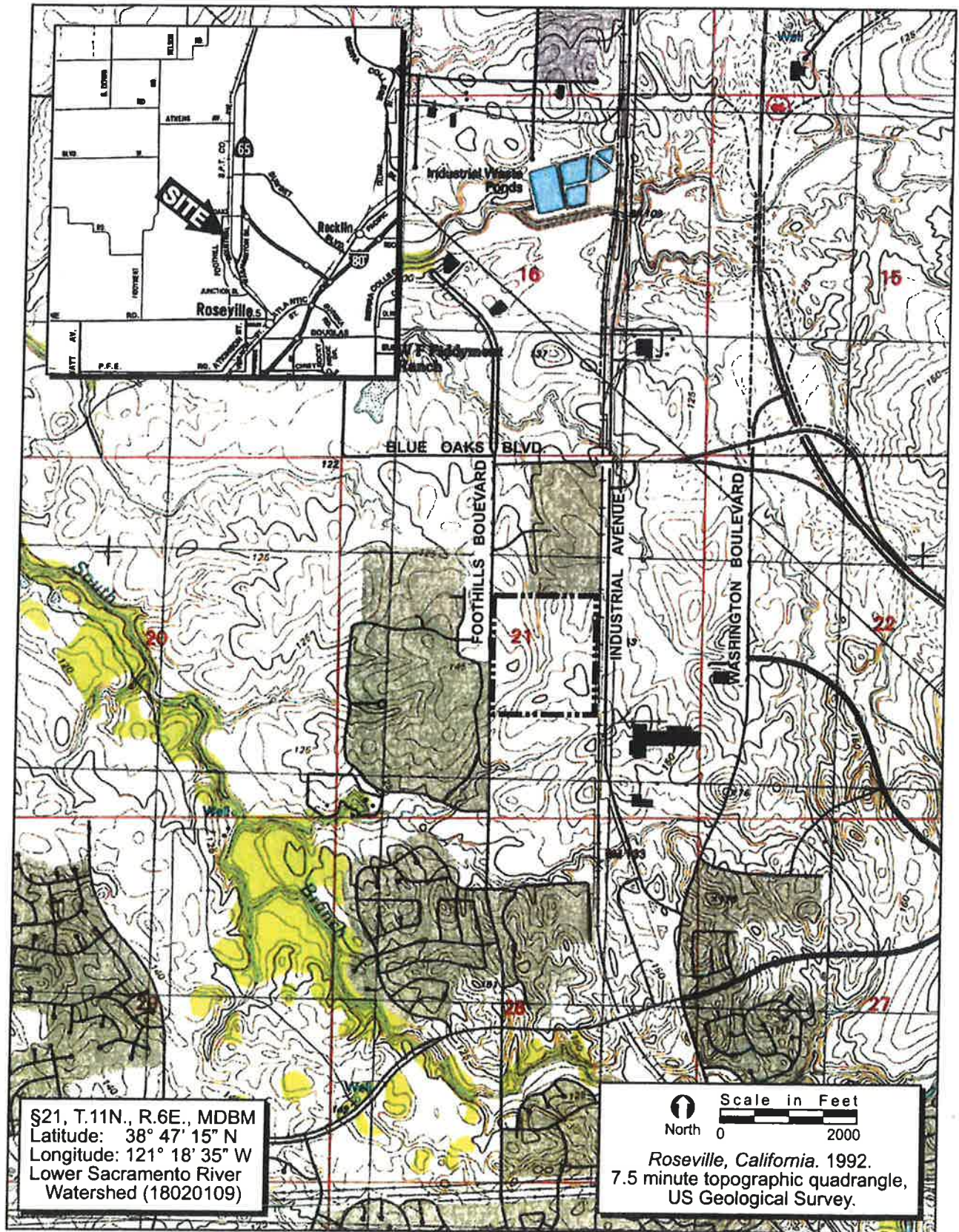


Figure 1. Project Site and Vicinity

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 (CNDDDB) 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).

WATERS OF THE U.S. ACREAGE

CLASSIFICATION		PARCEL	PARCEL	PROJECT
		017-230-015	017-230-014	
		EXISTING	EXISTING	
		ACREAGE	ACREAGE	
WETLANDS:				
Vernal Pool		0.038	0.000	0.038
Seasonal Wetland		0.000	0.006	0.006
Seasonal Wetland Swale		0.062	0.166	0.228
OTHER WATERS:				
Ephemeral Drainage		0.012	0.000	0.012
TOTAL:		0.112	0.172	0.284

SCALE IN FEET

 SCALE: 1"=300'

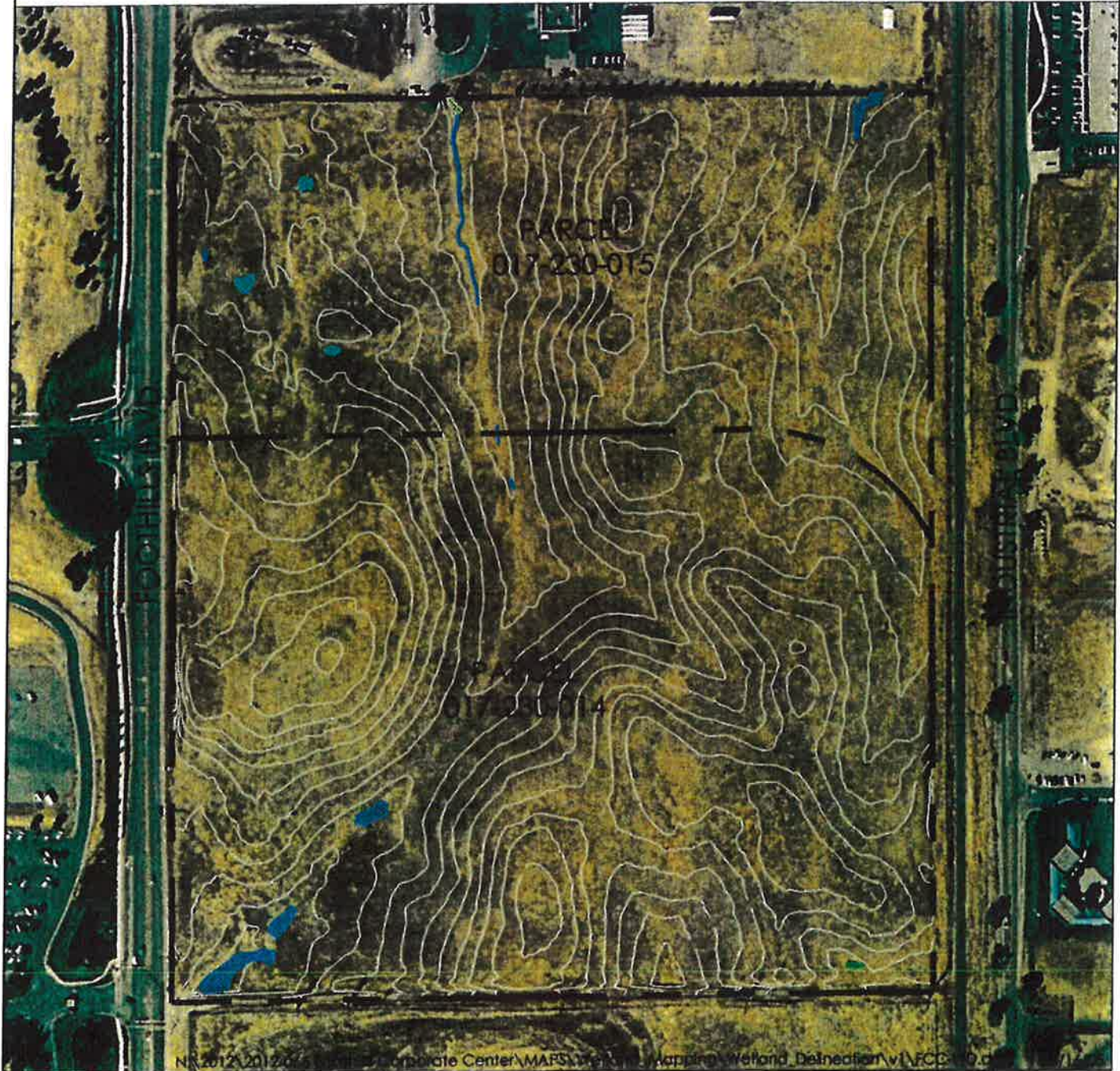


FIGURE 2. Wetland Delineation

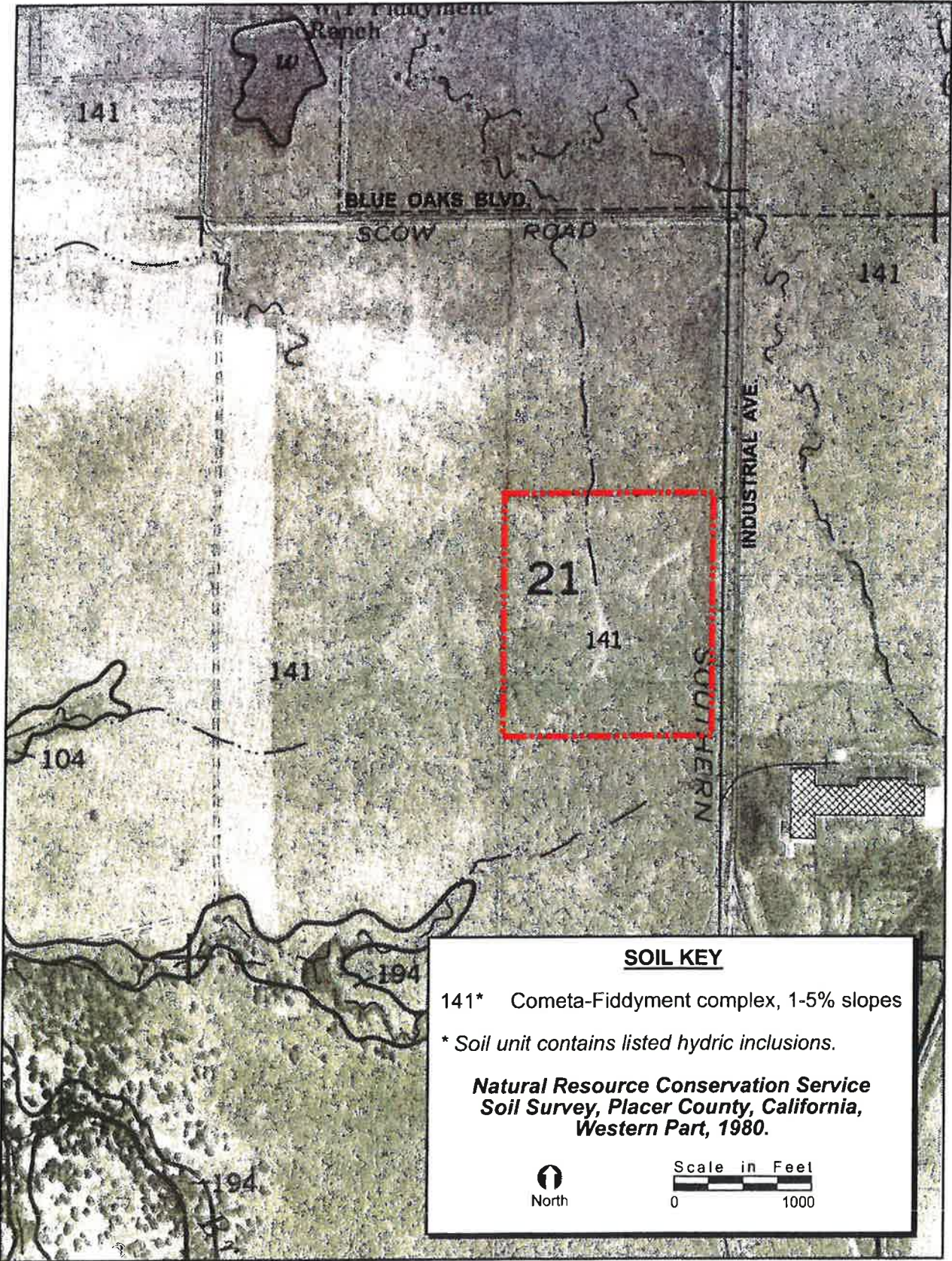


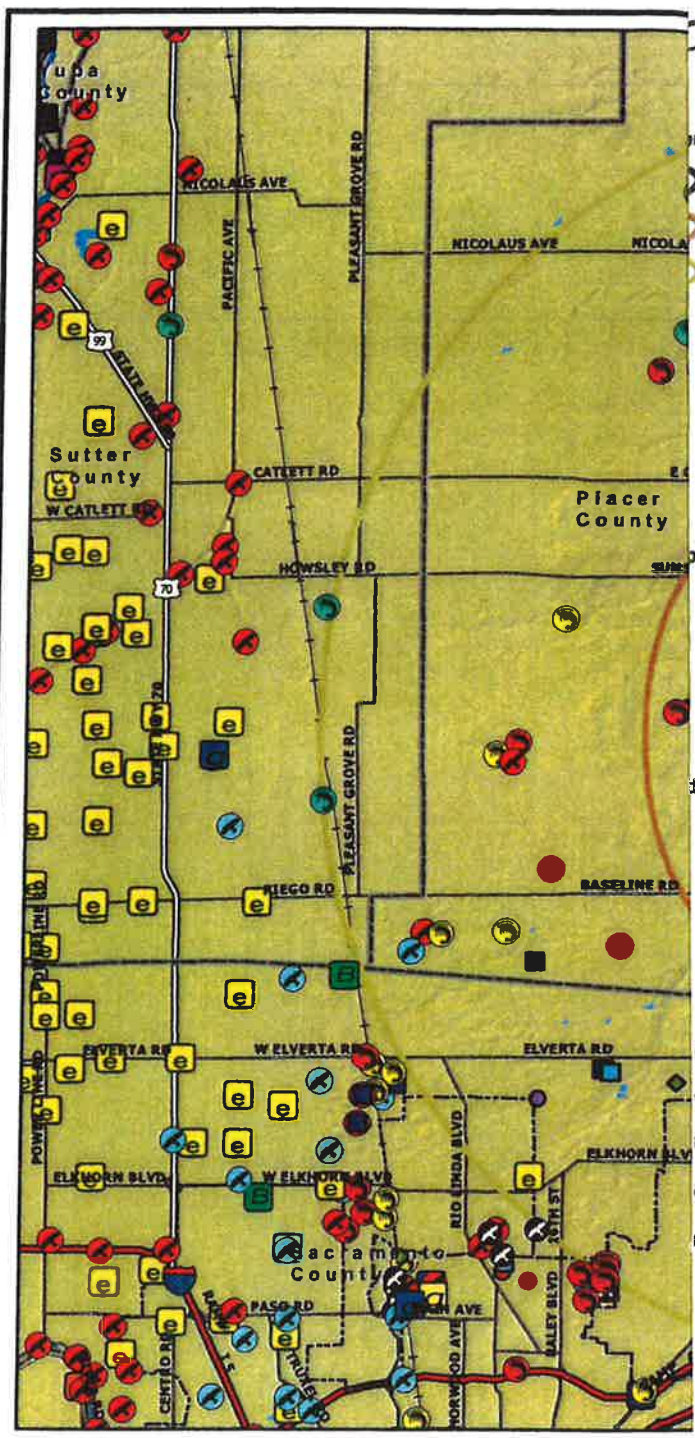
Figure 3. Natural Resource Conservation Service Soil Types

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

Common Name Plants	California		Habitat Description	Approximate Survey Dates
	Federal ESA Status	Other ESA Status		
Ahart's dwarf rush	*	1B	mesic areas in valley and foothill grassland (100' - 3300)	March-May
Big-scale balsamroot	*	1B	chaparral, clomborne woodland, and valley and foothill grassland, sometimes on serpentine soils (300' - 5,000')	March-June
Boggs Lake hedge-hyssop	*	CE	clay soils in vernal pools and in marshes and swamps on lake margins (30' - 7,790')	April-August
Dwarf downingia	*	2	vernal pools and mesic areas in valley and foothill grassland (3' - 1,460')	March-May
Hispid bird's-beak	*	1B	alkaline meadows and seeps, playas, and valley and foothill grassland (3' - 510')	June-September
Legenere	*	1B	vernal pools (3' - 2,900')	April-June
Pincushion navaretia	*	1B	vernal pools, often on acidic soils (65' - 1,080')	May
Sacramento Orcutt grass	FE	CE	vernal pools (100' - 3300)	April-July
Sanford's arrowhead	*	1B	assorted shallow freshwater marshes and swamps (0' - 2,130')	May-October
Slender Orcutt grass	FT	CE	vernal pools (115' - 5,775')	May-September
Invertebrates				
Conservancy fairy shrimp	FE	*	vernal pools/wetlands	November-April
Vernal pool fairy shrimp	FT	*	vernal pools/wetlands	November-April
Vernal pool tadpole shrimp	FE	*	vernal pools/wetlands	November-April
California lindenella	*	CNDB	vernal pools/wetlands	November-April
Amphibians				
Western spadefoot toad	*	CSC	vernal pools, wetlands/adjacent grassland	March-May
Birds				
White-tailed kite (nesting)	*	CFP	woodland, grassland	March-June
Cooper's hawk (nesting)	*	CNDB	woodland	April-July
Northern harrier (nesting)	*	CSC	marsh, grassland	April-September
Swainson's hawk (nesting)	*	BCC	grassland, riparian	March-August
Ferruginous hawk (wintering)	*	CNDB	grassland	November-February
Golden eagle (nesting and wintering)	*	BCC, CFP	grassland	nest (February-August); winter CY (October-February)
Merlin (wintering)	*	CNDB	woodland, grassland	September-April
Burrowing owl (burrow sites)	*	BCC, CSC	grassland	February-August
Loggerhead shrike	*	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.
- FD - 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/preserved 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.



- Transportation Network**
- Interstate
 - State Highway
 - Roads
 - Railroads
- Hydrologic Features**
- Lakes and Reservoirs
 - Rivers

- California linderella
- vernal pool tadpole shrimp
- vernal pool fairy shrimp
- otiles / Amphibians
- giant garter snake
- northwestern pond turtle
- western spadefoot toad
- California red-legged frog
- birds
- Swainson's hawk
- grasshopper sparrow
- California black rail
- merlin
- bald eagle
- Cooper's hawk
- white-tailed kite
- burrowing owl
- osprey
- black-crowned night heron
- double-crested cormorant
- great blue heron
- great egret
- western yellow-billed cuckoo
- bank swallow
- tricolored blackbird
- purple martin
- Mammals
- pallid bat
- Townsend's big-eared bat
- silver-haired bat
- Insects
- vernal pool andrenid bee
- Sacramento Valley tiger beetle
- valley elderberry longhorn beetle
- Ricksecker's water scavenger beetle
- Antioch Dunes anthicid beetle
- Sacramento anthicid beetle

NOTES

- ¹ Project Boundary: ECORP CAD Wetland Delineation
- ² CDFG California Natural Diversity Database (CNDDB), June 2012 Update
- Map Projection: California State Plane Zone II (NAD83) feet

FOOTHILLS CORPORATE CENTER

CNDDB Special-Status Species Map		
Map Name: FoothillsCorp_CNDDB.mxd	Project Manager: JOHNSONC	
Revision: 6/25/2012	GIS Specialist: JDS	
Scale: 1" = 3 miles		

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

<p>Oakland Office 2100 Embarcadero, Suite 201 Oakland, CA 94606 Ph: 510.434.0150</p>	<p>Santa Ana Office 1801 Park Court Place Building B, Suite 103 Santa Ana, CA 92701 phone: 714.648.0630</p>	<p>Redlands Office 412 East State St. Redlands, CA 92373 Ph: 909.307.0046</p>
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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 mexicana*), 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

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

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

Agelaius tricolor

tricolored blackbird

Element Code: ABPBXB0020

Status
 Federal: None
 State: None

NDDB Element Ranks
 Global: G2G3
 State: S2

Other Lists
 CDFG Status: SC

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

Element: 2000-04-22
 Site: 2000-04-22

Record Last Updated: 2004-05-06

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.86043° / -121.31575°
 UTM: Zone-10 N4302636 E646132
 Area: 4.2 acres
 Elevation: 125 ft

Mapping Precision: SPECIFIC
 Symbol Type: POLYGON

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

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	Section: 12	Qtr: S
Elevation: 150 ft	Meridian: M	
Mapping Precision: NON-SPECIFIC		
Symbol Type: POINT		

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 TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN

Alkali Seep

Element Code: CTT45320CA

Status

NDDB Element Ranks

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

Mapping Precision: NON-SPECIFIC

Section: 12

Qtr: S

Elevation: 150 ft

Symbol Type: POINT

Meridian: M

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 TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

Owner/Manager: UNKNOWN

<i>Ammodramus savannarum</i>		Element Code: ABPBXA0020
grasshopper sparrow		
Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G5	CDFG Status: SC
State: None	State: S2	
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			Element: 1998-05-08
Origin: Natural/Native occurrence			Site: 1998-05-08
Presence: Presumed Extant			Record Last Updated: 2007-06-12
Trend: Unknown			

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.86479° / -121.26821°	Township: 12N
UTM: Zone-10 N4303165 E648512	Range: 06E
Radius: 80 meters	Section: 27
Elevation: 155 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
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: IHHYM35050

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

Trend: Unknown

Record Last Updated: 2005-01-14

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 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

Athene cucularia

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

Trend: Unknown

Record Last Updated: 2003-08-21

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

County Summary: Placer

Lat/Long: 38.78190° / -121.37308°

Township: 11N

UTM: Zone-10 N4293831 E641313

Range: 05E

Area:

Mapping PrecisionNON-SPECIFIC

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

Trend: Unknown

Record Last Updated: 2008-07-01

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.84685° / -121.35702°

Township: 12N

UTM: Zone-10 N4301064 E642578

Range: 06E

Radius: 80 meters

Mapping PrecisionSPECIFIC

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 Federal: None State: None	NDDB Element Ranks Global: G3G4T2 State: S2	Other Lists CNPS List: 1B.2
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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: 36.79393° / -121.30792°	Township: 11N
UTM: Zone-10 N4295269 E646948	Range: 06E
Area: 98.3 acres	Section: 21
Elevation: 125 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

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 Element: 1994-12-28
 Origin: Natural/Native occurrence Site: 1994-12-28
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 1996-02-23

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

Lat/Long: 38.86173° / -121.29715° Township: 12N
 UTM: Zone-10 N4302810 E647744 Range: 06E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 27 Qtr: NW
 Elevation: 140 ft Symbol Type: POINT Meridian: M

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 Element: 1994-12-28
 Origin: Natural/Native occurrence Site: 1994-12-28
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 1995-06-30

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

Lat/Long: 38.84669° / -121.26971° Township: 12N
 UTM: Zone-10 N4301186 E650156 Range: 06E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 35 Qtr: NE
 Elevation: 195 ft Symbol Type: POINT Meridian: M

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 Element: 2003-01-29
 Origin: Natural/Native occurrence Site: 2005-01-21
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2005-10-18

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

Lat/Long: 38.78926° / -121.29294° Township: 11N
 UTM: Zone-10 N4294775 E648259 Range: 06E
 Area: 12.9 acres Mapping Precision: SPECIFIC Section: 22 Qtr: XX
 Elevation: 150 ft Symbol Type: POLYGON Meridian: M

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
 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. 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
 Trend: Fluctuating Record Last Updated: 2011-07-08

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

Lat/Long: 38.77346° / -121.28207° Township: 11N
 UTM: Zone-10 N4293039 E649236 Range: 06E
 Area: 28.7 acres Mapping Precision: SPECIFIC Section: 26 Qtr: SW
 Elevation: 160 ft Symbol Type: POLYGON Meridian: M

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
 Trend: Unknown Record Last Updated: 2011-07-08

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

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

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 Element: 1998-02-04
 Origin: Natural/Native occurrence Site: 1998-02-04
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 1998-09-29

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 PrecisionNON-SPECIFIC Section: 27 Qtr: NW
 Elevation: 140 ft Symbol TypePOLYGON Meridian: M

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 Element: 1996-01-30
 Origin: Natural/Native occurrence Site: 1996-03-11
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2002-03-22

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.80312° / -121.30397° Township: 11N
 UTM: Zone-10 N4296295 E647273 Range: 06E
 Area: 33.4 acres Mapping PrecisionSPECIFIC Section: 16 Qtr: NE
 Elevation: 105 ft Symbol TypePOLYGON Meridian: M

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 Element: 1996-01-30
 Origin: Natural/Native occurrence Site: 1996-01-30
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 1996-07-17

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

Lat/Long: 38.86474° / -121.30580° Township: 12N
 UTM: Zone-10 N4303130 E646987 Range: 06E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 28 Qtr: NE
 Elevation: 140 ft Symbol Type: POINT Meridian: M

Location: NNW OF ROSEVILLE IN INGRAM SLOUGH; 0.4 KM WEST OF HWY 65 X INDUSTRIAL BLVD.
 Location Detail: LICOLN 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 Element: 2005-XX-XX
 Origin: Natural/Native occurrence Site: 2005-XX-XX
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2006-03-23

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

Lat/Long: 38.80163° / -121.37194° Township: 11N
 UTM: Zone-10 N4296023 E641373 Range: 05E
 Area: 1,972.8 acres Mapping Precision: SPECIFIC Section: 13 Qtr: XX
 Elevation: 95 ft Symbol Type: POLYGON 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 Element: 1993-01-27
 Origin: Natural/Native occurrence Site: 1993-01-27
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2006-03-23

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

Lat/Long: 38.77370° / -121.36736° Township: 11N
 UTM: Zone-10 N4292930 E641825 Range: 05E
 Area: 610.4 acres Mapping Precision: SPECIFIC Section: 25 Qtr: XX
 Elevation: 110 ft Symbol Type: POLYGON 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
 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. 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
 Trend: Unknown Record Last Updated: 1997-04-07

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

Lat/Long: 38.80298° / -121.31236° Township: 11N
 UTM: Zone-10 N4296266 E646544 Range: 06E
 Radius: 3/5 mile Mapping PrecisionNON-SPECIFIC Section: 16 Qtr: XX
 Elevation: 100 ft 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
 Trend: Unknown Record Last Updated: 1997-03-12

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

Lat/Long: 38.87538° / -121.29395° Township: 12N
 UTM: Zone-10 N4304331 E647993 Range: 06E
 Radius: 3/5 mile Mapping PrecisionNON-SPECIFIC Section: 22 Qtr: XX
 Elevation: 150 ft 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
 Trend: Unknown Record Last Updated: 2008-04-29

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

Lat/Long: 38.84424° / -121.31478° Township: 12N
 UTM: Zone-10 N4300841 E646250 Range: 06E
 Radius: 1/5 mile Mapping PrecisionNON-SPECIFIC Section: 33 Qtr: SW
 Elevation: 115 ft 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 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. 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
Trend: Unknown **Record Last Updated:** 1998-03-02

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 Precision:** NON-SPECIFIC **Section:** 30 **Qtr:** XX
Elevation: 120 ft **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
Trend: Unknown **Record Last Updated:** 1998-04-20

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

Lat/Long: 38.85775° / -121.37303° **Township:** 12N
UTM: Zone-10 N4302249 E641167 **Range:** 05E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 25 **Qtr:** SW
Elevation: 100 ft **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
Trend: Unknown **Record Last Updated:** 2000-04-12

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

Lat/Long: 38.84578° / -121.30899° **Township:** 12N
UTM: Zone-10 N4301021 E646749 **Range:** 06E
Radius: 80 meters **Mapping Precision:** SPECIFIC **Section:** 33 **Qtr:** SE
Elevation: 120 ft **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, PSILICARPUS ZIZYPHOROIDES, DESCHAMPSIA DAMTHONIOIDES, NAVARRERIA 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

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. 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 Precision: SPECIFIC Section: 33 Qtr: SW
 Elevation: 115 ft Symbol Type: POINT 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 Precision: SPECIFIC Section: 03 Qtr: SW
 Elevation: 150 ft Symbol Type: POINT 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
 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. 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
 Trend: Unknown Record Last Updated: 2006-03-22

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

Lat/Long: 38.77040° / -121.27237° Township: 11N
 UTM: Zone-10 N4292715 E650085 Range: 06E
 Area: 13.3 acres Mapping Precision: SPECIFIC Section: 26 Qtr: SE
 Elevation: 185 ft Symbol Type: POLYGON Meridian: M

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
 Trend: Unknown Record Last Updated: 2004-10-28

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

Lat/Long: 38.76449° / -121.34970° Township: 11N
 UTM: Zone-10 N4291935 E643379 Range: 06E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 31 Qtr: NW
 Elevation: 125 ft Symbol Type: POINT Meridian: M

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
 Trend: Unknown Record Last Updated: 2001-10-10

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

Lat/Long: 38.87145° / -121.32514° Township: 12N
 UTM: Zone-10 N4303844 E645295 Range: 06E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 20 Qtr: SE
 Elevation: 120 ft Symbol Type: POINT Meridian: M

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 Element: 2001-03-09
 Origin: Natural/Native occurrence Site: 2001-03-09
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2001-10-10

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

Lat/Long: 38.85475° / -121.32838° Township: 12N
 UTM: Zone-10 N4301986 E645048 Range: 06E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 29 Qtr: SE
 Elevation: 120 ft Symbol Type: POINT Meridian: M

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 Element: 2001-03-07
 Origin: Natural/Native occurrence Site: 2005-01-07
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2005-10-17

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

Lat/Long: 38.78973° / -121.33683° Township: 11N
 UTM: Zone-10 N4294757 E644445 Range: 06E
 Area: Mapping Precision: NON-SPECIFIC Section: 20 Qtr: NW
 Elevation: 115 ft Symbol Type: POLYGON Meridian: M

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 Element: 2005-03-02
 Origin: Natural/Native occurrence Site: 2005-03-02
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2011-04-25

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

Lat/Long: 38.84960° / -121.35768° Township: 12N
 UTM: Zone-10 N4301369 E642515 Range: 06E
 Area: Mapping Precision: NON-SPECIFIC Section: 31 Qtr: NW
 Elevation: 100 ft Symbol Type: POLYGON Meridian: M

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 Element: 2002-01-10
 Origin: Natural/Native occurrence Site: 2002-01-10
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2002-07-15

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

Lat/Long: 38.84871° / -121.31724° Township: 12N
 UTM: Zone-10 N4301333 E646027 Range: 06E
 Area: Mapping Precision: NON-SPECIFIC Section: 33 Qtr: XX
 Elevation: 120 ft Symbol Type: POLYGON Meridian: M

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 Element: 2005-01-10
 Origin: Natural/Native occurrence Site: 2005-01-10
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 2005-12-28

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

Lat/Long: 38.76501° / -121.35644° Township: 11N
 UTM: Zone-10 N4291982 E642792 Range: 06E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 31 Qtr: NW
 Elevation: 130 ft Symbol Type: POINT Meridian: M

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
 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. 412

Map Index: 64328

EO Index: 64407

Dates Last Seen

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

Element: 2005-02-10
 Site: 2005-02-10

Record Last Updated: 2006-03-23

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 Precision: SPECIFIC
 Symbol Type: POINT

Township: 11N
 Range: 05E
 Section: 24
 Meridian: M
 Qtr: XX

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

Element: 1995-02-06
 Site: 1995-03-02

Record Last Updated: 2011-04-29

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 Precision: SPECIFIC
 Symbol Type: POLYGON

Township: 11N
 Range: 06E
 Section: 33
 Meridian: M
 Qtr: NW

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
 Trend: Unknown Record Last Updated: 1999-12-14

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

Lat/Long: 38.77076° / -121.34480° Township: 11N
 UTM: Zone-10 N4292639 E643792 Range: 06E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 30 Qtr: SE
 Elevation: 125 ft Symbol Type: POINT 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
 Trend: Unknown Record Last Updated: 2001-10-03

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

Lat/Long: 38.79509° / -121.34800° Township: 11N
 UTM: Zone-10 N4295334 E643465 Range: 06E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 19 Qtr: N
 Elevation: 110 ft Symbol Type: POINT 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
 Trend: Unknown Record Last Updated: 2005-09-20

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

Lat/Long: 38.86491° / -121.37009° Township: 12N
 UTM: Zone-10 N4303048 E641408 Range: 05E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 25 Qtr: XX
 Elevation: 50 ft Symbol Type: POINT 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: PDSCROJ0D1

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 _____
 Federal: None
 State: None

NDDB Element Ranks
 Global: G2
 State: S2

Other Lists _____
 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. 33
 Occ Rank: Good
 Origin: Natural/Native occurrence
 Presence: Presumed Extant
 Trend: Unknown

Map Index: 11696

EO Index: 17398

Dates Last Seen

Element: 1985-04-19
 Site: 1985-04-19

Record Last Updated: 1989-08-11

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.82711° / -121.28884°
 UTM: Zone-10 N4298982 E648536
 Radius: 1/5 mile
 Elevation: 145 ft

Mapping PrecisionNON-SPECIFIC
 Symbol TypePOINT

Township: 11N
 Range: 06E
 Section: 03
 Meridian: M
 Qtr: SE

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
 Occ Rank: None
 Origin: Natural/Native occurrence
 Presence: Possibly Extirpated
 Trend: Decreasing

Map Index: 11732

EO Index: 13217

Dates Last Seen

Element: 1987-04-15
 Site: 1997-06-18

Record Last Updated: 1997-08-11

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

Mapping PrecisionNON-SPECIFIC
 Symbol TypePOINT

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

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
 Occ Rank: None
 Origin: Natural/Native occurrence
 Presence: Extirpated
 Trend: Unknown

Map Index: 11676

EO Index: 17396

Dates Last Seen

Element: 1987-04-15
 Site: 1997-06-18

Record Last Updated: 1997-08-11

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

Mapping PrecisionNON-SPECIFIC
 Symbol TypePOINT

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

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 Rank _____ 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. 60 Map Index: 26041 EO Index: 5230 Dates Last Seen _____
 Occ Rank: Excellent Element: 1990-04-14
 Origin: Natural/Native occurrence Site: 1990-04-14
 Presence: Presumed Extant Record Last Updated: 1994-08-08
 Trend: Unknown

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

Lat/Long: 38.85815° / -121.30393° Township: 12N
 UTM: Zone-10 N4302402 E647162 Range: 06E
 Area: 10.1 acres Mapping Precision: SPECIFIC Section: 28 Qtr: SE
 Elevation: 130 ft Symbol Type: POLYGON Meridian: M

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 PLAGIOBOTHRYUS 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 Element: 2000-04-12
 Origin: Natural/Native occurrence Site: 2000-04-12
 Presence: Presumed Extant Record Last Updated: 2000-08-10
 Trend: Unknown

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

Lat/Long: 38.79212° / -121.36556° Township: 11N
 UTM: Zone-10 N4294977 E641946 Range: 05E
 Area: 1.8 acres Mapping Precision: SPECIFIC Section: 24 Qtr: NE
 Elevation: 95 ft Symbol Type: POLYGON Meridian: M

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 PLAGIOBOTHRYUS 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 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 CNDDB, 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 PLAGIOBOTHRY'S 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 CNDDB; 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 PLAGIOBOTHRY'S 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	Section: 32
Elevation: 118 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: POINT	

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

Gratiola heterosepala

Boggs Lake hedge-hyssop

Element Code: PDSCR0R060

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2	CNPS List: 1B.2
State: Endangered	State: S2	

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			Element: 1987-04-22
Origin: Natural/Native occurrence			Site: 1997-06-18
Presence: Extirpated			Record Last Updated: 2011-01-18
Trend: Unknown			

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

Lat/Long: 38.76720° / -121.26365°	Township: 11N
UTM: Zone-10 N4292374 E650850	Range: 06E
Area: 6.4 acres	Section: 25
Elevation: 230 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

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 LONGIPELUNCULATA, 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
 State: None

Global: G1G2
 State: S1S2

CDFG Status:

_____ Habitat Associations _____

General: AQUATIC.

Micro:

Occurrence No. 11

Map Index: 60753

EO Index: 60789

_____ Dates Last Seen _____

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

Element: XXXX-XX-XX
 Site: XXXX-XX-XX

Record Last Updated: 2005-03-30

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.85443° / -121.28928°
 UTM: Zone-10 N4302013 E648441
 Radius: 4/5 mile
 Elevation: 140 ft

Mapping Precision: NON-SPECIFIC
 Symbol Type: POINT

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

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
 Trend: Unknown Record Last Updated: 2003-04-08

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 Precision: NON-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 ERRONEOUS; 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

legenere

Element Code: PDCAM0C010

_____ Status _____	NDDB Element Ranks	_____ 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			
Trend: Decreasing			Record Last Updated: 1997-08-11

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	Section: 10
Elevation: 120 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

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			
Trend: Unknown			Record Last Updated: 1997-08-11

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	Section: 11
Elevation: 150 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POINT	

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			
Trend: Unknown			Record Last Updated: 2010-04-29

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	Section: 32
Elevation: 118 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: POLYGON	

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 packardi

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

Element: 1995-02-09
 Site: 1995-02-09

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

Mapping Precision: NON-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. 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

Lindieriella occidentalis

California *lindieriella*

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. 90 Map Index: 32457 EO Index: 1898 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: 1995-10-11

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

Lat/Long: 38.76950° / -121.32354° Township: 11N
 UTM: Zone-10 N4292533 E645642 Range: 06E
 Radius: 1/5 mile Mapping PrecisionNON-SPECIFIC Section: 29 Qtr: SE
 Elevation: 130 ft Symbol TypePOINT Meridian: M

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

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

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

Lat/Long: 38.76087° / -121.33772° Township: 11N
 UTM: Zone-10 N4291553 E644427 Range: 06E
 Area: 44.0 acres Mapping PrecisionSPECIFIC Section: 32 Qtr: NW
 Elevation: 120 ft Symbol TypePOLYGON Meridian: M

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: _____ 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. 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
 Trend: Unknown Record Last Updated: 2006-03-27

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

Lat/Long: 38.80283° / -121.30587° Township: 11N
 UTM: Zone-10 N4296259 E647108 Range: 06E
 Area: Mapping PrecisionNON-SPECIFIC Section: 16 Qtr: XX
 Elevation: 100 ft Symbol TypePOLYGON Meridian: M

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
 Trend: Unknown Record Last Updated: 1996-09-06

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

Lat/Long: 38.79360° / -121.32161° Township: 11N
 UTM: Zone-10 N4295210 E645760 Range: 06E
 Area: Mapping PrecisionNON-SPECIFIC Section: 21 Qtr: NW
 Elevation: 125 ft Symbol TypePOLYGON Meridian: M

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
 Trend: Unknown Record Last Updated: 1996-07-16

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

Lat/Long: 38.78594° / -121.32498° Township: 11N
 UTM: Zone-10 N4294354 E645483 Range: 06E
 Area: Mapping PrecisionNON-SPECIFIC Section: 20 Qtr: SE
 Elevation: 115 ft Symbol TypePOLYGON Meridian: M

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 _____
 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. 146

Map Index: 34817

EO Index: 3450

Dates Last Seen

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

Element: 1998-03-02
 Site: 1998-03-02

Record Last Updated: 2011-04-22

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

County Summary: Placer

Lat/Long: 38.86272° / -121.32379°
 UTM: Zone-10 N4302877 E645430
 Area: 218.8 acres
 Elevation: 125 ft

Mapping Precision: SPECIFIC
 Symbol Type: POLYGON

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

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

Element: 1996-02-09
 Site: 1996-03-13

Record Last Updated: 1996-09-05

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

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

Mapping Precision: NON-SPECIFIC
 Symbol Type: POLYGON

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

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: 36256

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 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: 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 LYNCHII 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 Type:POLYGON

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, PLAGIOBOTHRYS STIPITAUS, PSILICARPHUS ZIZYPHOROIDES, DESCHAMPSIA DAMTHONIOIDES, 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	NDDB Element Ranks	Other Lists
Federal: None State: None	Global: G3 State: S2S3	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			Element: 1997-02-12
Origin: Natural/Native occurrence			Site: 1997-02-12
Presence: Presumed Extant			
Trend: Unknown			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	Qtr: SW	Meridian: M
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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, PLAGIOBOTHRYIS 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			Element: 2006-01-09
Origin: Natural/Native occurrence			Site: 2006-01-09
Presence: Presumed Extant			
Trend: Unknown			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	Qtr: NW	Meridian: M
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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			Element: 2005-01-11
Origin: Natural/Native occurrence			Site: 2005-01-11
Presence: Presumed Extant			
Trend: Stable			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	Qtr: SW	Meridian: M
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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

Trend: Unknown

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

Township: 12N

Range: 06E

Section: 31

Qtr: NW

Mapping PrecisionNON-SPECIFIC

Symbol Type:POLYGON

Meridian: M

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

Trend: Unknown

Record Last Updated: 2005-10-17

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

Township: 11N

Range: 06E

Section: 22

Qtr: NE

Mapping PrecisionSPECIFIC

Symbol Type:POLYGON

Meridian: M

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
 Trend: Unknown Record Last Updated: 2006-03-27

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

Lat/Long: 38.76474° / -121.35109° Township: 11N
 UTM: Zone-10 N4291961 E643258 Range: 06E
 Area: 46.9 acres Mapping Precision: SPECIFIC Section: 31 Qtr: N
 Elevation: 125 ft Symbol Type: POLYGON Meridian: M

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
 Trend: Unknown Record Last Updated: 2004-08-19

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

Lat/Long: 38.78164° / -121.28371° Township: 11N
 UTM: Zone-10 N4293944 E649077 Range: 06E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 23 Qtr: SW
 Elevation: 160 ft Symbol Type: POINT Meridian: M

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
 Trend: Unknown Record Last Updated: 2005-10-18

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

Lat/Long: 38.78029° / -121.28908° Township: 11N
 UTM: Zone-10 N4293785 E648613 Range: 06E
 Radius: 80 meters Mapping Precision: SPECIFIC Section: 27 Qtr: NE
 Elevation: 150 ft Symbol Type: POINT Meridian: M

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 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. 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°

Township: 11N

UTM: Zone-10 N4294415 E641453

Range: 05E

Radius: 80 meters

Mapping Precision: SPECIFIC

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°

Township: 11N

UTM: Zone-10 N4292153 E646086

Range: 06E

Area: 14.0 acres

Mapping Precision: SPECIFIC

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	
Status		NDDB Element Ranks	
Federal: None		Global: G3	
State: None		State: S3.1	
Habitat Associations			
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				Record Last Updated: 1998-07-15
Trend: Unknown				

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	Section: 33
Elevation: 125 ft	Meridian: M
	Qtr: NW

Mapping Precision: SPECIFIC
 Symbol Type: POLYGON

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				Record Last Updated: 2001-05-24
Trend: Unknown				

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	Section: 26
Elevation: 180 ft	Meridian: M
	Qtr: SW

Mapping Precision: SPECIFIC
 Symbol Type: POLYGON

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				Record Last Updated: 1998-07-15
Trend: Unknown				

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	Section: 20
Elevation: 110 ft	Meridian: M
	Qtr: S

Mapping Precision: SPECIFIC
 Symbol Type: POLYGON

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 State: None	Global: G1 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
 Trend: Unknown Record Last Updated: 1998-07-16

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/BIOGEOADATA/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
 Trend: Unknown Record Last Updated: 1998-07-16

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/BIOGEOADATA/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
 Trend: Unknown Record Last Updated: 1998-07-16

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/BIOGEOADATA/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

Spea hammondi

western spadefoot

Element Code: AAABF02020

Status: Federal: None, State: None
 NDDB Element Ranks: Global: G3, State: S3
 Other Lists: CDFG Status: SC

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 Mapping Precision: SPECIFIC Section: 32 Qtr: NW
 Elevation: 115 ft Symbol Type: POINT Meridian: M

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 Mapping Precision: SPECIFIC Section: 25 Qtr: SE
 Elevation: 200 ft Symbol Type: POINT Meridian: M

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 Mapping Precision: NON-SPECIFIC Section: 29 Qtr: XX
 Elevation: 140 ft Symbol Type: POINT Meridian: M

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 DONT 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

Trend: Unknown

Record Last Updated: 2005-02-16

Quad Summary: Roseville (3812173/528D)

County Summary: Placer

Lat/Long: 38.78621° / -121.36950°

UTM: Zone-10 N4294315 E641615

Area: 11.4 acres

Elevation: 95 ft

Township: 11N

Range: 05E

Section: 24

Meridian: M

Mapping Precision: SPECIFIC

Symbol Type: POLYGON

Qtr: XX

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

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

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)

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.



PLANNING DEPARTMENT

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

MITIGATION MONITORING PROGRAM

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 Contact Person	Derek Ogden, Phone (916) 774-5276

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
MM1	<p>Wetlands</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	
MM2	<p>Special Status Species</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	
MM3	<p>Cultural Resources</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
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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.