LIBERTY UTILITIES 650 LINE REBUILD PROJECT WETLAND DELINEATION REPORT

DECEMBER 2014

PREPARED FOR:



PREPARED BY:



EXECUTIVE SUMMARY

Liberty Utilities LLC is proposing the 650 Line Rebuild Project (project), which involves rebuilding approximately 9.24 miles of the 650 Line between the Martis Valley and Kings Beach Substation, removal and realignment of one approximately 2.28-mile-long segment of the 650 Line, rebuilding the Northstar Tap into the Northstar Fold, and rebuilding all existing underbuild distribution and some portions of communication facilities to be transferred to the new Liberty structures. The project is Phase 1 of the overall 625 and 650 Electrical Line Upgrade Project. The overall project includes the previously described components, as well as the rebuild of an approximately 1.6-mile section of the existing 132 Line; an upgrade, modification, and/or decommission of six substations; and the replacement of the existing 625 Line along a new route. The project consists primarily of an upgrade of the existing 625 and 650 electrical power lines and associated substations from 60 kilovolt (kV) to 120 kV. The upgrade will ultimately allow the entire North Lake Tahoe Transmission System to operate at 120 kilovolts.

A wetland delineation was conducted by Insignia Environmental biologists in accordance with the methods described in the United States (U.S.) Army Corps of Engineers (USACE) *Wetlands Delineation Manual* (Environmental Laboratory 1987) and *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region* (Version 2.0) (USACE 2010) during June 2014.

The wetland delineation was intended to identify the boundaries of the waters of the U.S. that could potentially fall under the jurisdiction of the USACE pursuant to Section 404 of the Clean Water Act (CWA), and/or that may be regulated by the Regional Water Quality Control Board (RWQCB) pursuant to the Porter-Cologne Water Quality Control Act (California Water Code, Chapter 2, Section 13050) or Section 401 of the CWA.

The survey area encompassed approximately 118 acres and included all areas within the approximately 65-foot-wide construction right-of-way, including all staging areas, stringing areas, and access roads. The vegetation communities in the survey area include Jeffrey pine forest, Jeffrey pine-white fir forest, Sierran mixed conifer forest, white fir-red fir forest, montane riparian, low sage scrub, sagebrush scrub, montane chaparral, ruderal, dry montane meadow, and wet montane meadow. Soils in the survey area are predominantly classified as loamy sand and clay loam. Other soil types found in the survey area include sandy clay loam, sand, sandy loam, silty clay loam, silty clay, loam, sandy clay, and silt loam.

The wetlands were delineated based on field observations of site topography and the presence of wetland hydrology, hydrophytic vegetation, and hydric soil indicators at sampling points. Wetlands under the jurisdiction of the USACE were determined to comprise approximately 10.047 acres. In addition, approximately 0.755 acre of other waters of the U.S. was observed. The total area of mapped waters of the U.S. is approximately 10.802 acres. Pursuant to Section 401 of the CWA, approximately 144.221 acres of "waters of the State" were mapped under the RWQCB's jurisdiction, including approximately 10.047 acres of wetlands and approximately 0.755 acre of other waters of the State.

This report presents a preliminary assessment of wetlands within the survey area that fall under the jurisdiction of the USACE and the RWQCB. Findings presented in this report should be Liberty Utilities December 2014 650 Line Rebuild Project ES-1 •

considered preliminary and can be used to obtain a preliminary jurisdiction determination from the USACE, as described under Regulatory Guidance Letter 08-02 (USACE 2008b).

TABLE OF CONTENTS

1 – INTROD	UCTION	1		
2 – PROJECT OVERVIEW				
	T LOCATION AND SETTING			
4 – PROJEC	T STATUS AND SCHEDULE	2		
5 – REGULA	ATORY FRAMEWORK	2		
5.0	United States Army Corps of Engineers	.2		
	Regional Water Quality Control Board			
	DS			
6.0	Literature Review	.9		
6.1	Jurisdictional Wetland Delineation	.9		
7 – RESULT	S	12		
7.0	USACE-Jurisdictional Features	12		
7.1	RWQCB-Jurisdictional Features	23		
	8 – DISCUSSION AND SUMMARY			
9 – REFERE	NCES	24		

LIST OF FIGURES

Figure 1: Project Overview	Map	,
6 3	1	

LIST OF TABLES

Table 1: Potentially	Jurisdictional Hydrologic Feature Summary	
----------------------	---	--

LIST OF ATTACHMENTS

Attachment A: Wetland Delineation Survey Results Map		
Attachment B: Soil Map Units		
Attachment C: Wetland Data Forms		
Attachment D: Wetland and Drainage Photo Log		
Attachment E: Plant Species Observed		
Attachment F: Jurisdictional Hydrologic Features within the Survey Area		

1 – INTRODUCTION

Liberty Utilities LLC (Liberty) retained Insignia Environmental (Insignia) to conduct a wetland delineation and preliminary jurisdictional determination (PJD) for the 650 Line Rebuild Project (project). This Wetland Delineation Report summarizes the field methods and results of Insignia's delineation of potential waters of the United States (U.S.) within an approximately 65-foot-wide, 9.24-mile-long section of the 650 Line (the survey area), and provides a preliminary assessment of those areas that fall within the jurisdiction of the U.S. Army Corps of Engineers (USACE), pursuant to Section 404 of the Clean Water Act (CWA), and/or that may be regulated by the Regional Water Quality Control Board (RWQCB) pursuant to the Porter-Cologne Water Quality Control Act (California Water Code, Chapter 2, Section 13050) or Section 401 of the CWA. Findings presented in this report should be considered preliminary and can be used to obtain a preliminary jurisdiction determination from the USACE, as described under Regulatory Guidance Letter 08-02 (USACE 2008b).

2 – PROJECT OVERVIEW

The project traverses urban and natural areas and includes the following project components:

- the rebuild of approximately 9.24 miles of the 650 Line between the Martis Valley and Kings Beach Substation,
- the removal and realignment of one approximately 2.28-mile-long segment of the 650 Line,
- the rebuild of the approximately 0.54-mile-long Northstar Tap into the Northstar Fold, and
- rebuild of all existing underbuild distribution and some portions of communication facilities to be transferred to the new Liberty structures.

The project is Phase 1 of the overall 625 and 650 Electrical Line Upgrade Project. The overall project includes the previously described components, as well as the rebuild of an approximately 1.6-mile section of the existing 132 Line; an upgrade, modification, and/or decommission of six substations and the removal of the existing 625 Line; and the replacement of the existing 625 Line along a new route. The project consists primarily of an upgrade of the existing 625 and 650 electrical power lines and associated substations from 60 kilovolt (kV) to 120 kV. The upgrade will ultimately allow the entire North Lake Tahoe Transmission System to operate at 120 kV.

3 – PROJECT LOCATION AND SETTING

As depicted in Figure 1: Project Overview Map, the 650 Line survey area is approximately 9.24 miles long, and is located entirely within Placer County, California. The survey area extends from the Martis Creek Lake Recreation Area, which is approximately 2.5 miles southeast of the City of Truckee, to Kings Beach Substation in Kings Beach. The survey area for the wetland delineation was defined as follows:

- All areas within 65 feet of the proposed alignment corridor.
- All areas within 65 feet of the current alignment corridor (where it differs from the proposed corridor).

- All areas within 65 feet of all stringing sites.
- All areas within 30 feet of modified access roads.

The survey area locations are depicted in Figure 1: Project Overview Map and Attachment A: Wetland Delineation Survey Results Map. Parcels within the survey area are under the ownership and/or management of a combination of the following:

- private lands;
- Martis Creek Lake Recreation Area, which is managed by the USACE;
- U.S. Forest Service lands managed by the Lake Tahoe Basin Management Unit and the Tahoe National Forest;
- Truckee Tahoe Airport District lands; and
- California Pacific Electric Company lands.

Attachment A: Wetland Delineation Survey Results Map provides an aerial view of the survey area and the surrounding land uses. Nine upland vegetation communities and four aquatic communities occur within the survey area. The vegetation communities are described in detail in Section 7.0.2 Vegetation. Topography ranges from level ground to steep woodland terrain. Natural aquatic and semi-aquatic vegetation communities found in the survey area include ephemeral, intermittent, and perennial drainages; riparian woodlands; montane freshwater marsh; and wet alpine meadows.

4 – PROJECT STATUS AND SCHEDULE

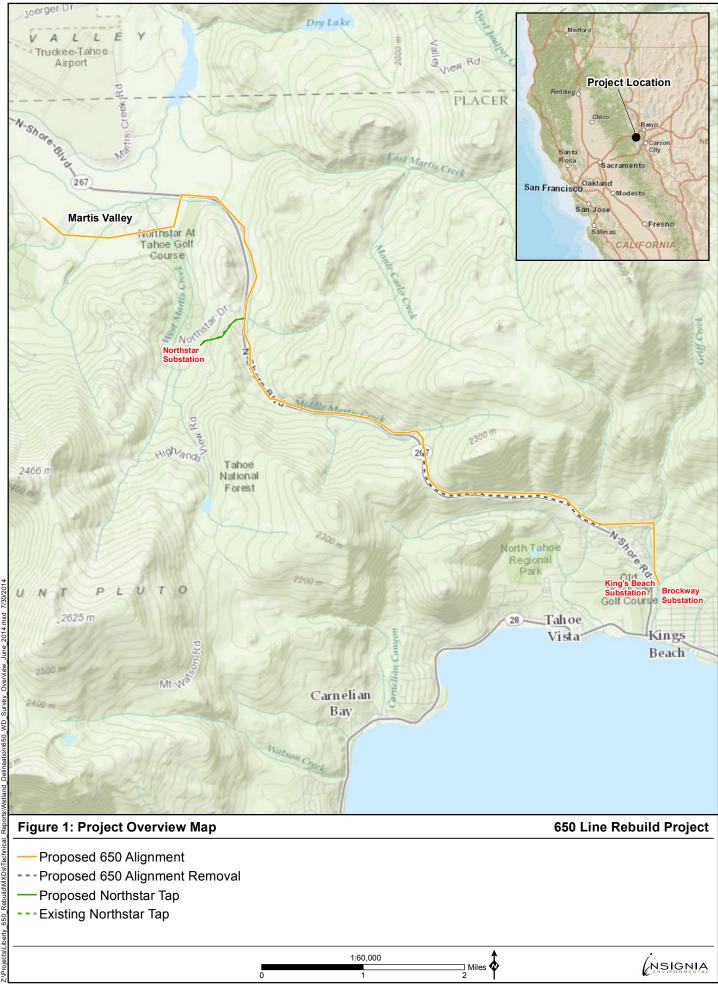
The California Pacific Electricity Company 625 and 650 Electrical Line Upgrade Project Draft Environmental Impact Statement/Environmental Impact Statement/Environmental Impact Report (DEIS/EIS/EIR) for the project was released in November 2013 (Ascent 2013). The Final DEIS/EIS/EIR is expected to be issued in the summer of 2014. Final agency approvals are likely to be issued by December 2014. Due to the extended permitting timeline to date, the Liberty electric system in the North Lake Tahoe region is currently in a critical reliability situation. It is anticipated that the majority of the construction for the Liberty 650 Line will commence in spring 2015 due to permitting timeframes and weather restrictions.

5 – REGULATORY FRAMEWORK

UNITED STATES ARMY CORPS OF ENGINEERS 5.0

5.0.0 Section 404 of the Clean Water Act

Under Section 404 of the CWA, the USACE has jurisdiction over waters of the U.S. The purpose of the CWA is to "restore and maintain the chemical, physical, and biological integrity of the nation's waters." The USACE has regulatory authority to issue permits for the discharge of dredged or fill material in waters of the U.S., according to Title 33, Section 1344 of the U.S. Code. The USACE issues site-specific individual or general permits (i.e., Nationwide Permits) for such discharges. The project is under the jurisdiction of the USACE's Sacramento District.



"Waters of the U.S." are defined in Title 33, Part 328.3(a) of the Code of Federal Regulations (CFR) as (USACE 1986):

- 1. All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters subject to the ebb and flow of the tide.
- 2. All interstate waters and wetlands.
- 3. All other waters—such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds—that the use, degradation, or destruction of which could affect interstate or foreign commerce, and that includes any of the following waters:
 - Waters which are or could be used by interstate or foreign travelers for recreational or other purposes.
 - Waters from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
 - Waters which are used or could be used for industrial purpose by industries in interstate commerce.
- 4. All impoundments of waters otherwise defined as waters of the U.S.
- 5. Tributaries of waters identified in 1 through 4.
- 6. The territorial seas.
- 7. Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in 1 through 6.

Title 33, Part 328.3(b) of the CFR defines wetlands as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." Thus, all three parameters—hydrophytic vegetation, hydric soils, and wetland hydrology—must be present to classify an area as a USACE-jurisdictional wetland under normal circumstances.

Two U.S. Supreme Court cases have redefined the USACE jurisdiction within the parameters of the CWA, as follows:

• Solid Waste Agency of Northern Cook County (SWANCC) v. USACE (SWANCC case): Prior to the SWANCC case in 2001, the definition of waters of the U.S. under the USACE regulations included waters "which are or could be used as habitat by birds protected by the Migratory Bird Treaty or by other migratory birds crossing state lines." This definition is pursuant to the preamble language that is provided in Title 40, Section 328.3(a)(3)(2001) of the CFR and is commonly referred to as the Migratory Bird Rule. In the SWANCC case, the USACE attempted to regulate activities taking place in ponds that had formed in pits originally used for a sand and gravel mining operation. Under the Supreme Court's decision in this case, the USACE was directed that it does not have jurisdiction over isolated, non-navigable waters based solely on their use as habitat for migratory birds. The Supreme Court ruled that the USACE's attempt to regulate such isolated waters exceeded its authority under the CWA. The USACE's jurisdiction over isolated wetlands is now determined on a case-by-case basis.

• *Rapanos v. U.S.* (Rapanos case): In the Rapanos case, the Supreme Court consolidated two lower Sixth Circuit of Appeal cases—the Rapanos case and Carabell v. USACE—for review. On June 19, 2006, the Supreme Court vacated judgment against Keith Carabell and John Rapanos, who wanted to fill wetlands on property they owned in Michigan. The USACE had determined that the CWA applied to the wetlands in question in both of these cases because the wetlands were either connected through tributaries, ditches, or drains to navigable waters (as in the Rapanos case), or were adjacent to tributaries, ditches, or drains connected to navigable waters (as in Carabell v. USACE), although separated under ordinary water conditions from these water features by a berm. The Supreme Court issued five separate opinions in the Rapanos case, none of which commanded a majority.

As a result of these court cases, the U.S. Environmental Protection Agency (EPA) and the USACE subsequently issued a joint memorandum addressing guidance on determining jurisdiction of waters of the U.S. (EPA and USACE 2008). The memorandum, which intended to address rulings in the SWANCC case and the Rapanos case, states that the agencies will assert jurisdiction over the following waters:

- traditional navigable waters (TNWs),
- wetlands adjacent to TNWs,
- non-navigable tributaries of TNWs that are relatively permanent where the tributaries typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months), and
- wetlands that directly abut such tributaries.

The agencies will decide jurisdiction over the following waters based on a fact-specific analysis to determine whether they have a significant nexus with a TNW:

- non-navigable tributaries that are not relatively permanent;
- wetlands adjacent to non-navigable tributaries that are not relatively permanent; and
- wetlands adjacent to, but that do not directly abut, a relatively permanent non-navigable tributary.

The agencies generally will not assert jurisdiction over the following features:

• swales or erosional features (e.g., gullies and small washes that are characterized by low volume and infrequent or short-duration flow); and

• ditches (including roadside ditches) that are excavated wholly in and drain only in uplands, and that do not carry a relatively permanent flow of water.

As a result, the limits of USACE jurisdiction are as follows:

- 1. Territorial Seas: The limit of jurisdiction in the territorial seas is measured from the baseline in a seaward direction a distance of 3 nautical miles. (See 33 CFR § 329.12.)
- 2. Tidal Waters of the U.S.: The landward limits of jurisdiction in tidal waters:
 - extend to the high tide line, or
 - extend to the limits identified in paragraph 3 of this section when adjacent to non-tidal waters of the U.S.
- 3. Non-Tidal Waters of the U.S.: The limits of jurisdiction in non-tidal waters:
 - extend to the ordinary high water mark (OHWM) in the absence of adjacent wetlands,
 - extend beyond the OHWM to the limit of adjacent wetlands when such wetlands are present, and
 - extend to the limit of the wetland when the waters of the U.S. consist only of wetlands.

A significant nexus analysis will be used when assessing jurisdiction over non-navigable, not relatively permanent tributaries and their adjacent wetlands. The significant nexus analysis will assess the flow characteristics and functions of the tributaries, as well as the functions performed by all wetlands adjacent to such tributaries to determine if they significantly affect the chemical, physical, and biological integrity of downstream TNWs. The significant nexus analysis will include consideration of the following hydrologic factors

- proximity to the TNW;
- size of the watershed;
- volume, duration, and frequency of flow;
- average rainfall; and
- average annual snow pack.

The significant nexus analysis will include consideration of ecological factors, including a tributary's potential to carry pollutants and flood waters to TNWs and the adjacent wetlands' potential to trap and filter pollutants or store flood waters.

Fundamental to the application of this guidance is a formalized oversight process involving both the EPA and the USACE in the adoption of approved jurisdictional determinations. The intent of this formal process is to ensure consistency in the manner in which the agencies interpret the rulings and guidance at all levels. The USACE issued Regulatory Guidance Letter No. 08-02 on the subject of Jurisdictional Determinations (USACE 2008b) in order to institute the program by which jurisdictional determinations are made. This guidance creates a distinction between an applicant's request for a PJD and an "approved jurisdictional determination" (AJD). If a PJD is requested from the USACE, the determination will be inclusive of all features that have

historically been regulated by the USACE under Section 404 of the CWA and Sections 9 and 10 of the Rivers and Harbors Act (i.e., prior to the SWANCC and Rapanos cases). The PJD excludes exempted jurisdictional waters, but not those excluded by court ruling interpretations. The AJD provides a more thorough evaluation of issues of isolation, adjacency, and significant nexus as contemplated by the courts, and excludes from USACE regulation areas that fail to meet the necessary litmus tests of the court decision and the agencies' implementation guidance.

5.0.1 Rivers and Harbors Act

Under Section 10 of the Rivers and Harbors Act, the USACE has jurisdiction over navigable waters of the U.S. to the historic limit of mean high water. Section 10 requires that a permit be obtained from the USACE for all activities in navigable waters that involve excavating, filling, dredging, or construction or placement of an obstruction in or to a navigable waterbody. Section 10 jurisdiction extends to the entire surface and bed of all waterbodies subject to tidal action (33 CFR § 329.12[b]).

5.1 REGIONAL WATER QUALITY CONTROL BOARD

5.1.0 Section 401 of the Clean Water Act

The RWQCB regulates activities in "waters of the State" (which include wetlands) through Section 401 of the CWA (RWQCB 2014). While the USACE administers permitting programs that authorize impacts to waters of the U.S., any USACE permit authorized for a proposed project would be invalid unless the RWQCB has issued a project-specific water quality certification or waiver of water quality. A water quality certification requires a finding by the RWQCB that the activities permitted by the USACE will not violate water quality standards individually or cumulatively over the term of the issued USACE permit. The project is under the jurisdiction of the Lahontan RWQCB District.

5.1.1 Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act (California Water Code Section 13260) requires that "any person discharging waste, or proposing to discharge waste, within any region that could affect the waters of the State to file a report of discharge" with the RWQCB through an application for waste discharge (California Water Code Section 13260[a][1]) (RWQCB 2014). The term "waters of the State" is defined as any surface water or groundwater, including saline waters, within the boundaries of the state (California Water Code Section 13050[e]). Pursuant to the Porter-Cologne Water Quality Control Act, the RWQCB also regulates "isolated wetlands," or those wetlands considered to be outside of USACE jurisdiction, pursuant to the SWANCC decision.

The RWQCB generally considers filling in waters of the State to be "pollution." Pollution is defined as an alteration of the quality of the waters of the State by waste that unreasonably affects its beneficial uses (California Water Code Section 13050[1]). The RWQCB litmus test for determining if a project should be regulated pursuant to the Porter-Cologne Water Quality Control Act is if the action could result in any "threat" to water quality.

6 – METHODS

6.0 LITERATURE REVIEW

Before conducting the wetland delineation, Insignia biologists reviewed U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory maps (USFWS 2014) and color aerial photographs (both recent and past) of the survey area and surrounding area. In addition, the biologists reviewed and referenced the Natural Resources Conservation Service (NRCS), United States Department of Agriculture Web Soil Survey (Soil Survey Staff 2014) for the survey area, and the project California Pacific Electricity Company 625 and 650 Electrical Line Upgrade Project DEIS/EIS (Ascent 2013).

6.1 JURISDICTIONAL WETLAND DELINEATION

A routine jurisdictional wetland delineation of the survey area was conducted on the following dates:

- from June 9 to 13, 2014 by Insignia biologists Isabelle de Geofroy, Sheryl Creer, Shirley Innecken, and John Hale;
- from June 16 to 20, 2014 by Insignia biologists Isabelle de Geofroy, Sheryl Creer, Shirley Innecken, John Hale, and Nick Fisher; and
- on June 23, 2014 by Insignia biologists Sheryl Creer and John Hale.

The wetland delineation was conducted according to the USACE's *Wetlands Delineation Manual* (Environmental Laboratory 1987) in conjunction with the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)* (USACE 2010). In addition, *A Field Guide to the Identification of the Ordinary High Water Mark in the Arid West Region of the Western United States* (USACE 2008a) was used to delineate other waters of the U.S. in the delineation area. The survey area was evaluated to identify the jurisdictional boundaries of waters of the U.S. and their connection to off-site hydrologic resources. In addition, the overall landforms, slopes, soils, and climatic/hydrologic conditions were assessed. This Wetland Delineation Report has been prepared in compliance with the USACE's *Minimum Standards for Acceptance for Preliminary Delineations* (USACE 2001) and *Final Map and Drawing Standards for the South Pacific Division Regulatory Program* (USACE 2012).

Vegetation, hydrology, and soils information were taken at 56 data points in both upland and wetland habitat to determine the boundaries of the wetlands. Wetland boundaries were determined based on the presence of wetland vegetation, hydrology, and soils. Data were mapped using a Trimble global positioning system unit with sub-meter accuracy. The boundaries of each delineated feature and survey area were superimposed on aerial imagery using ArcMap 10.2. All spatial data were projected into the North American Datum 1983 State Plane California Zone 2 (feet) coordinate system.

For an area to be defined as a wetland under normal circumstances, the USACE's routine, on-site determination methods call for the presence of hydrophytic vegetation, hydric soils, and wetland hydrology. Each of these parameters is discussed in the subsections that follow. Evidence

supporting the jurisdictional determination at each data point was recorded on field data forms. Photographs were also taken at each data point.

6.1.0 Hydrophytic Vegetation

Hydrophytic vegetation is defined as "the community of macrophytes that occurs in areas where inundation and soil saturation is either permanent, or of sufficient frequency and duration to exert a controlling influence on the plant species present" (USACE 2010). Hydrophytic vegetation is determined to be present when the plant community is dominated by species that can tolerate prolonged inundations or soil saturation during the growing season. The National Wetland Plant List (Lichvar et al. 2014) provides a wetland indicator status for all hydrophytic plant species in the U.S. The wetland indicator status is a predictor of the likelihood of the plant to occur in wetlands, and is defined as follows:

- Obligate Plant (OBL): a plant that almost always occurs in wetlands
- Facultative Wetland Plant (FACW): a plant that usually occurs in wetlands, but may occur in non-wetlands
- Facultative Plant (FAC): a plant that occurs in wetlands and non-wetlands
- Facultative Upland Plant (FACU): a plant that usually occurs in non-wetlands, but may occur in wetlands
- Upland Plant (UPL): a plant that almost never occurs in wetlands

For each sampling point, the biologists visually estimated absolute percent cover of plant species within an approximately 1-square-meter sampling plot at each stratum level. The wetland indicator status (i.e., OBL, FACW, FAC, FACU, and UPL) of the species was recorded. For species not on the 2014 National Wetland Plant List for the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)* (USACE 2010) (which are listed as NL), the indicator status was assumed to be UPL. Hydrophytic vegetation was determined to be present if any one of the following indicator tests were satisfied:

- Dominance Test (Indicator 1): More than 50 percent of the dominant plant species across all strata are rated OBL, FACW, or FAC.
- Prevalence Test (Indicator 2): The prevalence index, which is a weighted-average wetland indicator status of all plant species in the sampling plot, is 3.0 or less.
- Morphological Adaptations (Indicator 3): This procedure is used when FACU plant species in wetlands exhibit morphological adaptations to wetland conditions; or it used in areas of problematic vegetation where hydrophytic vegetation is absent, but indicators of hydric soil and wetland hydrology are present.
- Problematic Hydrophytic Vegetation (Indicator 4): This procedure was used in areas of problematic vegetation where indicators of hydric soil and wetland hydrology were present.

6.1.1 Hydric Soils

Hydric soils are defined as "a soil that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part" (USACE 2010, Section 3). Characteristic field indicators of hydric soils include the following:

- presence of a histic epipedon,
- presence of sulfidic material,
- presence of an aquic or peraquic moisture regime,
- reducing soil conditions,
- soil color (including gleyed soils or soils with a low matrix chroma, with or without bright mottles),
- iron or manganese concretions, and
- soils listed as hydric by the NRCS.

The presence of hydric soils was determined using the indicators described in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)* (USACE 2010) and the 2013 Pocket Guide to Hydric Soil Field Indicators (Wetland Training Institute 2013). Soils information was compared to the NRCS Hydric Soils list (NRCS 2014a). A total of 56 soil test pits were dug to the depth necessary to document the presence or absence of hydric soil indicators. The soil chroma index and texture were recorded for each soil horizon. The soil chroma index was determined using the Munsell Soil Color Charts (Munsell Color 2000), and soils information was compared with the NRCS Web Soil Survey data (Soil Survey Staff 2014).

6.1.2 Wetland Hydrology

Wetland hydrology is indicated by an area that is inundated or saturated for a period long enough to create anaerobic vegetation and soil conditions during the growing season (USACE 2010, Section 4). Primary field indicators of wetland hydrology are described in the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)* (USACE 2010) and include surface water, high water table, soil saturation, water marks, sediment deposits, drift deposits, surface soil cracks, biotic crust, oxidized rhizospheres along living roots, presence of reduced iron, and water-stained leaves, among others. Secondary indicators include, but are not limited to, water marks, sediment deposits, drift deposits, drift deposits, and drainage patterns. Wetland hydrology was determined to be present if one or more primary indicators or two or more secondary indicators were observed.

Vegetation

In accordance with the California Pacific Electricity Company 625 and 650 Electrical Line Upgrade Project DEIS/EIS/EIR (Ascent 2013), vegetation classification and community descriptions generally follow California Wildlife Habitat Relationships System (California Department of Fish and Wildlife [CDFW] 2012) and Preliminary Descriptions of the Terrestrial Natural Communities of California (Holland 1986), with modifications to account for local variability and communities not specifically treated in these two classification systems. Meadow community classification and descriptions are based on Meadow Hydrogeomorphic Types for the Sierra Nevada and Southern Cascade Ranges in California (Weixelman et al. 2011).

7 – RESULTS

The vegetation communities in the survey area include Jeffrey pine forest, Jeffrey pine-white fir forest, Sierran mixed conifer forest, white fir-red fir forest, montane riparian, low sage scrub, sagebrush scrub, montane chaparral, ruderal, dry montane meadow, and wet montane meadow. Soils in the survey area are predominantly classified as loamy sand and clay loam. Other soil types found in the survey area include sandy clay loam, sand, sandy loam, silty clay loam, silty clay, loam, sandy clay, and silt loam.

The wetlands were delineated based on field observations of site topography and the presence of hydrophytic vegetation, hydric soil, and wetland hydrology indicators at sampling points. Wetlands under the jurisdiction of the USACE were determined to comprise approximately 10.047 acres. Approximately 0.755 acre of other waters of the U.S. were also identified. In total, approximately 10.802 acres of waters of the U.S. were mapped. Pursuant to Section 401 of the CWA, approximately 10.802 acres of waters of the State were mapped under the jurisdiction of the RWQCB, including approximately 10.047 acres of wetlands and approximately 0.755 acre of other waters of the State.

A preliminary wetland map of the survey area is depicted in Attachment A: Wetland Delineation Survey Results Map. Soils in the survey area are mapped in Attachment B: Soil Map Units. Evidence supporting the jurisdictional determination of each wetland feature is provided in the data sheets in Attachment C: Wetland Data Forms. Attachment D: Wetland and Drainage Photo Log presents photographs of each data point. A complete list of plant species and their associated wetland indicator status is presented in Attachment E: Plant Species Observed. A summary of the delineation results has been included as Table 1: Potentially Jurisdictional Hydrologic Feature Summary.

Feature Type	Approximate USACE and RWQCB Jurisdictional Area (acres)
Wetlands	10.047
Other Waters of the U.S./State	0.755
Total Waters of the U.S./State	10.802

Table 1: Potentially Jurisdictional Hydrologic Feature Summary

7.0 USACE-JURISDICTIONAL FEATURES

The survey area encompasses approximately 118 acres. A total of 114 water features (18 wetlands and 95 other waters of the U.S.) were mapped within the survey area. Of these water features, 100 potential USACE-jurisdictional features (18 wetlands and 81 other waters of the

U.S.) were mapped within the survey area, as depicted in Attachment A: Wetland Delineation Survey Results Map. The total area for the potential USACE-jurisdictional features was approximately 0.755 acre of other waters of the U.S. and approximately 10.047 acre of wetlands. Each feature and the corresponding parameters are described in the following paragraphs. Additional details on the water features in the survey area are provided in Attachment C: Wetland Data Forms.

The USACE-jurisdictional features that support a dominance of hydrophytic vegetation, are characterized by the presence of hydric soils, and have evidence of wetland hydrology are included in Attachment F: Jurisdictional Hydrologic Features within the Survey Area. Therefore, these areas meet the wetland criteria presented in the USACE *Wetlands Delineation Manual* (Environmental Laboratory 1987). Data points were taken in both the wetland and adjacent upland sites for these features, as shown in Attachment A: Wetland Delineation Survey Results Map. In addition, 15 data points were taken in areas suspected to be wetlands, as shown in Maps 1, 5, 10, 13, 14, 26, 17, and 19 of Attachment A: Wetland Delineation Survey Results Map. These locations did not meet the wetland criteria presented in the USACE *Wetland Delineation Manual*.

7.0.0 Topography and Hydrology

Topography in the survey area ranges from level ground to steep woodland terrain. The elevation ranges from approximately 5,850 to 7,200 feet above sea level. The highest elevation is located approximately 7,200 feet above sea level at Brockway Summit, which is shown on Map 26 of Attachment A: Wetland Delineation Survey Results Map. Perennial, intermittent, and ephemeral drainages—as well as erosional features and man-made conveyance channels (e.g., roadside ditches)—convey water through the survey area.

The northern portion of the survey area is located in Martis Valley in the Martis Creek Lake Recreation Area. Martis Valley is the confluence location for a complex of drainages that include Martis Creek, West Martis Creek, Middle Martis Creek, and numerous unnamed ephemeral and intermittent drainages. Martis Creek (Drainage (D)-202) is a perennial creek that originates in the Sawtooth Ridge southwest of the survey area and flows from southwest to northeast, eventually draining into the Truckee River, which is approximately 3.75 miles northeast of the survey area. Martis Creek is also part of the Martis Creek Basin, which includes Donner Creek, Prosser Creek, and major tributaries to the Truckee River. West Martis Creek (D-301) originates on the slopes of Lookout Mountain south of the survey area, and empties into Martis Creek approximately 0.5 mile northeast of its intersection with the survey area. Middle Martis Creek originates approximately 1 mile east of the survey area at Brockway Summit, enters the survey area as D-1301, and criss-crosses the survey area and Highway 267 in a northwesterly direction for approximately 4.5 miles before emptying into Martis Creek.

East of Martis Valley, the survey area crosses Highway 267, and eventually turns south and parallels the east side of the highway. In this portion of the survey area, the terrain steepens and transitions into forested areas with scrub understories. Middle Martis Creek, its tributaries, and associated wetlands traverse the survey area. South of Highlands View Road at Highway 267, the alignment continues south, resuming a parallel route along the east side of the highway until it crosses to the west side of the highway at Structure (STR) 1089. Between Martis Valley and Brockway Summit, numerous roadside ditches capture runoff from Highway 267; some drain

into culverts that empty into Middle Martis Creek, while others form erosional channels that dissipate in uplands. In addition, scattered ephemeral drainages convey water downslope; some draining into Middle Martis Creek; others terminating in uplands. All erosional channels and ephemeral drainages that have no connectivity to downstream drainages would not be considered jurisdictional under Sections 401 and 404 of the CWA.

The Northstar Tap portion of the survey area begins perpendicular to the proposed and existing alignment just north of Highlands View Road and extends to the southeast, terminating at Northstar Substation. Three drainages are located in this portion of the survey area: D-901, D-902, and D-903. D-901 and D-902 are man-made ephemeral ditches that drain into culverts. These ditches were excavated in and drain only in uplands, and they do not carry a relatively permanent flow of water. As such, they would not be considered jurisdictional under Sections 401 and 404 of the CWA. D-903 is an ephemeral drainage that terminates in an unvegetated topographic depression. As D-903 is not connected to a downstream drainage, it would also not be considered jurisdictional under Sections 401 and 404 of the CWA.

At Brockway Summit, the alignment turns south, eventually turns east again, and continues east until it terminates at Kings Beach Substation. An unnamed intermittent creek (D-1702) crosses the alignment from north to south at STR 1177, eventually draining into Agate Bay in Lake Tahoe. Several roadside ditches convey snowmelt and rainwater runoff into culverts and downstream drainages, some of which empty into Agate Bay. Griff Creek, a perennial creek, enters the survey area as D-1103 northeast of STR 1208. Smaller drainages associated with Griff Creek also cross the survey area. The connectivity and acreage of each feature is further described in Attachment F: Jurisdictional Hydrologic Features within the Survey Area.

Natural hydrologic sources for the survey area include groundwater, snowmelt, precipitation, and surface runoff from adjacent uplands. Numerous wet and dry montane meadows occur in the survey area, primarily in Martis Valley and in the northern reach of West Martis Creek. These wetlands hold water for prolonged periods, as shown by the presence of wetland hydrology indicators, including saturation visible on aerial imagery, geomorphic position, saturation, surface water, and oxidized rhizospheres along living roots. Oxidized rhizospheres—observed along living roots within some of the soil samples—are the result of oxygen leaking from living roots into the surrounding anoxic soil, causing oxidation of ferrous iron to be present in the soil solution (USACE 2010).

7.0.1 Soils

Soils in the survey area that are mapped by the NRCS Web Soil Survey are shown in Attachment A: Wetland Delineation Survey Results Map. A total of 22 soil map units are mapped within the study area, including the following:

- Martis-Euer variant complex, 2- to 5-percent slopes (MEB)
- Inville-Riverwash-Aquolls complex, 2- to 5-percent slopes (EWB)
- Inville-Martis variant complex, 2- to 5-percent slopes (EVB)
- Kyburz-Trojan complex, 9- to 30-percent slopes (FUE)
- Aquolls and Borolls, up to 5-percent slopes (AQB)
- Euer-Martis variant complex, 2- to 5-percent slopes (EUB)

- Pits, borrow (PX)
- Aldi-Kyburz complex, 2- to 30-percent slopes (ARE)
- Jorge-Tahoma complex, 2- to 30-percent slopes (JTE)
- Jorge-Cryumbrepts, wet-Tahoma complex, 2- to 30-percent slopes (JSE)
- Jorge-Waca-Tahoma complex, 30- to 50-percent slopes (JWF)
- Jorge very stony sandy loam, 30- to 50-percent slopes (JTF)
- Jorge-Rubble land complex, 30- to 75-percent slopes (JUG)
- Umpa stony sandy loam, 30- to 50-percent slopes (UMF)
- Jorge-Tahoma complex, 15- to 30-percent slopes (7156)
- Jorge very cobbly fine sandy loam, 15- to 30-percent slopes, rubbly (7152)
- Jorge very cobbly fine sandy loam, 30- to 50-percent slopes, rubbly (7153)
- Tahoma-Jorge complex, 2- to 15-percent slopes (7222)
- Tahoma very cobbly sandy loam, 2- to 15-percent slopes, very stony (7221)
- Kingsbeach stony sandy loam, 2- to 15-percent slopes (7161)
- Tahoma very cobbly sandy loam, 2- to 15-percent slopes, very stony (7221)
- Oxyaquic Cryorthents-Aquic Xerorthents-Tahoe complex, up to 15-percent slopes (9011)

These soil series are described in the subsections that follow. The soil sampling results from the 56 test pits dug during the fieldwork are also described.

Native Soil Series

Martis Series

The Martis series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of deep, well-drained soils. Martis soils occur on glacial outwash plains and have slopes of 2- to 5-percent. The soils form in mixed glacial outwash dominated by volcanic material, and occur at elevations of 5,500 to 6,000 feet. They are found in areas that have warm, dry summers and cold, moist winters, with a mean annual precipitation of 25 to 35 inches and a mean annual temperature of 40 to 45 degrees Fahrenheit (°F). The typical frost-free period for these areas is 20 to 40 days. The typical pedon for the Martis series is gravelly sandy loam.

Euer Series

The Euer series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of deep, well-drained soils. Euer soils occur on gently sloping to moderately steep terraces. The soils formed in glacial outwash and fill from predominantly volcanic sources, and occur at elevations of 5,500 to 6,300 feet. They are found in areas that have a cool continental climate with a mean annual precipitation of 25 to 35 inches and a mean annual temperature of 26 to 61°F. The typical frost-free period for these areas is 20 to 40 days. The typical pedon for the Euer series is forested sandy loam.

Inville Series

The Inville series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of very deep, well-drained soils. Inville soils occur on gently sloping to moderately steep alluvial fans and outwash terraces with a 2- to 30-percent slope. The soils formed in alluvium and glacial outwash from mixed parent rocks consisting of predominantly andesite, and occur at

elevations of 5,000 to 7,500 feet. These areas have a mean annual precipitation of 19 to 39 inches and a mean annual temperature of 41 to 46.4°F. The typical pedon for the Inville series is forested stony coarse sandy loam.

Riverwash Series

Riverwash is hydric by definition. This soil is associated with rivers and toe slopes and consists of alluvial areas. It is usually coarse-textured, exposed along streams at low water, and subject to shifting during normal high water.

Aquolls Series

Aquolls are classified as hydric soils on the Hydric Soils list (Soil Survey Staff 2014). This series is characterized by thick, dark-colored surface horizons, and consists of shallow and moderately deep, very poorly drained soils. Soils in this series are formed under wet conditions in semi-arid to semi-humid climates, commonly developing on broad flats in the flood plains of streams. Aquolls have a high water table during most of the year.

Kyburz Series

The Kyburz series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of moderately deep, well-drained soils. Kyburz soils occur on gently sloping plateaus and moderately steep to steep mountainside slopes of 2 to 50 percent. The soils formed in residuum from basic volcanic flows, breccias, and agglomerates, and occur at elevations of 5,500 to 6,400 feet. These areas have a mean annual precipitation of 18 to 35 inches and a mean annual temperature of 43 to 47°F. The typical frost-free period for these areas is less than 30 days. The typical pedon for the Kyburz series is gravelly sandy loam on an east-facing, forested slope.

Borolls Series

Borolls are hydric by definition and have thick, dark-colored surface horizons. They consist of shallow and moderately deep, poorly drained soils with large amounts of rock fragments. They are formed in semi-arid to semi-humid climates under wet conditions and occur in valleys and drainages. Borolls have high water tables during part of the year.

Borrow Pits Series

Borrow pits are areas that have been previously excavated in order to gather earth materials for use at another location.

Aldi Series

The Aldi series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of shallow, well-drained soils. Aldi soils occur on gently sloping valley floors and moderately steep to steep mountainsides with slopes of 2 to 75 percent. The soils formed in material weathered from basic volcanic flows, breccias, and agglomerates, and occur at elevations of 5,000 to 6,500 feet. These areas have a mean annual precipitation of 15 to 35 inches and a mean annual temperature of 43 to 47°F. The typical frost-free period for these areas is less than 30 days. The typical pedon for the Aldi series is cobbly loam under scattered brush and grasses.

Jorge Series

The Jorge series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of deep or very deep, well-drained soils. Jorge soils occur on gently sloping to strongly sloping plateaus and hills and moderately steep to steep mountainsides with slopes of 2 to 75 percent. The soils formed in colluvium over residuum from volcanic flow rock of andesite, basalt, and latite, and occur at elevations of 6,000 to 9,000 feet. The climate is cool continental with a mean annual precipitation of 23 to 57 inches and a mean annual temperature of 41°F. The typical frost-free period for these areas is less than 90 days. The typical pedon for the Jorge series is on a northeast moderately steep slope under a cover of mixed conifers.

Tahoma Series

The Tahoma series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of deep and very deep, well-drained soils. Tahoma soils occur on gently sloping to strongly sloping plateaus and moderately steep to steep mountains with a 2- to 50-percent slope. The soils formed in colluvium over residuum from volcanic flow rock of andesite and latite, and occur at elevations of 4,500 to 8,200 feet. These areas have a mean annual precipitation of 25 to 60 inches and a mean annual temperature of 39 to 46°F. The typical frost-free period for these areas is 25 to 90 days. The typical pedon for the Tahoma series is very cobbly sandy loam on a southeast-facing, forested slope.

Cryumbrepts, Wet Series

The Cryumbrepts, Wet series is classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of varying depths of poorly drained soils. Wet Cryumbrepts occur on mountains with a 2- to 30-percent slope. The soils formed in alluvium and colluvium from mixed sources.

Waca Series

The Waca series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of moderately deep, well-drained soils. Waca soils occur on gently sloping to very steep mountains with a 5- to 75-percent slope. The soils formed in material weathered from andesitic tuff breccia, and occur at elevations of 6,000 to 9,000 feet. These areas have a mean annual precipitation of 23 to 80 inches and a mean annual temperature of 37 to 48°F. The typical frost-free period for these areas is 25 to 100 days. The typical pedon for the Waca series is very gravelly medial coarse sandy loam on a northwest-facing, forested slope.

Rubble Land, Talus Series

The Rubble Land, Talus series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series is generally found on mountain peaks and talus fields at upper elevations with very little vegetation.

Umpa Series

The Umpa series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of moderately deep, well-drained soils. Umpa soils occur on gently convex sloping to very steep mountains with a 5- to 75-percent slope. The soils formed in material weathered from coarse textured recent andesitic flows and are often in the vicinity of cinder cones at elevations of 6,400 to 9,000 feet. These areas have a mean annual precipitation of 35 to 55 inches and a

mean annual temperature of 45 to 47°F. The typical frost-free period for these areas is 25 to 80 days. The typical pedon for the Umpa series is on a south-facing, forested slope.

Kingsbeach Series

The Kingsbeach series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of very deep, moderately well-drained soils. Kingsbeach soils occur on an alluvial fan with a 2- to 15-percent slope. The soils formed in alluvium and colluvium derived from andesite over lacustrine deposits, and occur at elevations of 6,200 to 6,700 feet. These areas have a mean annual precipitation of 23 to 33 inches and a mean annual temperature of 41 to 46°F. The typical frost-free period for these areas is 30 to 80 days. The typical pedon for the Kingsbeach series is a stony sandy loam on a south-facing slope.

Oxyaquic Cryorthents

The Oxyaquic Cryorthents have an aquic xeric moisture regime series (Soil Survey Staff 2014). This series consists of very deep, somewhat poorly drained soils. Oxyaquic Cryorthents occur in riparian corridors with slopes up to 15 percent. The soils formed in alluvium and colluvium derived from mixed sources. These areas have a mean annual precipitation of 30 inches and a mean annual temperature of 41°F. The typical pedon for these soils is a coarse-loam in some areas and a loamy-skeletal in other areas. In most years, these soils are dry for 45 or more consecutive days in the 4 months following the summer solstice, and are moist in all parts for 45 or more consecutive days in the 4 months following the winter solstice.

Aquic Xerorthents

This series has an aquic xeric moisture regime and consists of very deep, poorly drained soils. Aquic Xerorthents are classified as hydric soils on the Hydric Soils list (Soil Survey Staff 2014). These soils occur in riparian corridors with slopes up to 15 percent. The soils formed in alluvium and colluvium are derived from mixed sources. These areas have a mean annual precipitation of 30 inches and a mean annual temperature of 43°F. The typical pedon for Aquic xerorthents is a coarse-loam in some areas and a loamy-skeletal in other areas. In most years, these soils are dry for 45 or more consecutive days in the 4 months following the summer solstice, and are moist in all parts for 45 or more consecutive days in the 4 months following the winter solstice.

Tahoe Series

The Tahoe series is not classified as hydric by the NRCS (Soil Survey Staff 2014). This series consists of very deep, very poorly drained soils. Tahoe soils occur on flood plains and have slopes up to 5 percent. The soils formed in alluvium derived from mixed sources. The headwaters of these areas are predominantly granodiorite and andesitic lahar. Tahoe series soils occur at elevations of 6,200 to 7,900 feet. They are found in areas that have a subhumid climate with warm, dry summers and cold, wet winters and have a mean annual precipitation of 19 to 67 inches and a mean annual temperature of 41 to 46°F. The typical frost-free period for these areas is 20 to 60 days. The typical pedon for the Tahoe series is mucky silt loam.

Soil Pits

During the site investigation visits, soil pits dug by Insignia biologists at each sample site confirmed that much of the survey area soils were consistent with the soil description provided

by the NRCS. A total of 56 soil test pits were excavated and sampled in this portion of the survey area. The wetland soil samples were generally classified as loamy sand, clay loam, or sandy clay loam. Soil samples determined to be hydric displayed sandy redox features, redox dark surface features, and organic layers. The data from all soil sampling pits are detailed in Attachment C: Wetland Data Forms.

Predominant soil matrix colors in the wetland areas identified in the field were preliminarily noted as 10YR2/2, 7.5YR3/2, and 10YR2/1, with mottle colors noted as 7.5YR5/8, 10YR2/1, and 5YR5/8. Predominant soil colors in the non-hydric, upland soils were preliminarily noted as 10YR2/2, 7.5YR2.5/3, and 7.5YR3/2, with mottle colors noted as 10YR6/8, 10YR5/8, and 7.5YR5/8. In addition, some mottle colors were present in low concentrations within the non-hydric, upland soils. The data from all soil pits are detailed in Attachment C: Wetland Data Forms.

7.0.2 Vegetation

A complete list of plant species and their associated wetland indicator status is presented in Attachment E: Plant Species Observed. Nomenclature used for plant names follows *The Jepson Manual: Vascular Plants of California, Second Edition* (Baldwin et al. 2012). Nomenclatural changes made after the publication date of this manual follow the Jepson eFlora (2014) website.

Ten upland vegetation communities and four aquatic communities occur within the survey area. Per the California Pacific Electricity Company 625 and 650 Electrical Line Upgrade Project DEIS/EIS/EIR (Ascent 2013), vegetation classification and community descriptions generally follow California Wildlife Habitat Relationships System (CDFW 2012) and Holland (1986), with modifications to account for local variability and communities not specifically treated in these two classification systems. Meadow community classification and descriptions are based on *A Field Key to Meadow Hydrogeomorphic Types for the Sierra Nevada and Southern Cascade Ranges in California* (Weixelman et al. 2011). Plants listed in the community descriptions were observed on site during the wetland delineation surveys that occurred in June 2014.

Upland Communities

Jeffrey Pine Forest

Jeffrey pine forest is a tall, open forest dominated by Jeffrey pine (*Pinus jeffreyi*). The understory in this forest is typically sparse, and often includes montane chaparral or sagebrush scrub species. Jeffrey pine forest develops on well-drained slopes and ridges or in cold air accumulation basins. The forest in the survey area intergrades with mixed montane chaparral and includes the following understory shrub species: big sagebrush (*Artemisia tridentata*), antelope brush (*Purshia tridentata* var. *glandulosa*), huckleberry oak (*Quercus vaccinifolia*), mountain snowberry (*Symphoricarpos rotundifolius* var. *rotundifolius*), ceanothus (*Ceanothus prostratus* var. *occidentalis*), tobacco brush (*C. velutinus*), mountain whitethorn (*C. cordulatus*), greenleaf manzanita (*Arctostaphylos patula*), and pinemat manzanita (*A. nevadensis* ssp. *nevadensis*).

Jeffrey pine forest occurs in the following locations in the study area:

- between STR 1000 and STR 1001, on the western edge of Martis Valley;
- between STR 1050 and STR 1067, east of Highway 267;

- between STR 1080 and STR 1088, east of Highway 267;
- between STR 1097 and STR 1140, ending just south of Brockway Summit; and
- on the northern edge of the work area at STR 1208.

Jeffrey Pine-White Fir Forest

Jeffrey pine white-fir forest is dominated by Jeffrey pine and white fir (*Abies concolor*). The understory of this community tends to be open with scattered montane chaparral species and smaller trees, blue wild rye (*Elymus glaucus* ssp. *glaucus*), and mountain snowberry. A thick layer of duff is typical, which contributes to the low understory abundance. Common understory species observed include pinemat manzanita, mule ears (*Wyethia mollis*), western pennyroyal (*Monardella odoratissima* ssp. *glauca*), huckleberry oak, and rockcress species (*Boechera* spp.).

Jeffrey pine-white fir forest occurs between STR 1137 and STR 1142, beginning just south of Brockway Summit, and between STR 1150 and STR 1175 in the easternmost third of the alignment corridor.

Sierran Mixed Conifer Forest

Sierran mixed conifer forest is dominated by several species, typically with three or more codominant species. Co-dominant species are a mix of white fir, Jeffrey pine, sugar pine (*Pinus lambertiana*), and incense cedar (*Calocedrus decurrens*). Historic burning and logging have created wide variability in stand structure and composition in this community. Canopy cover varies from nearly 100 percent to a more open canopy. In open areas, the understory consists of a variety of shrubs, grasses, and forbs, including ceanothus, mountain whitethorn, pinemat manzanita, greenleaf manzanita, bush chinquapin (*Chrysolepis sempervirens*), huckleberry oak, and Sierra gooseberry (*Ribes roezlii* var. *roezlii*). At higher elevations, the vegetation community transitions from a mixed conifer forest to a red fir forest.

Sierran mixed conifer forest is the second-most widespread vegetation community in the study area, occurring in the following locations:

- between STR 1069 and STR 1095, on both the east and west sides of Highway 267;
- between STR 1219 and STR 1230, as the only vegetation community in the Northstar Tap section of the alignment corridor;
- between STR 1094 and STR 1095, west of Highway 267;
- between STR 1176 and STR 2343 in the Kings Beach area; and
- at the southernmost end of the alignment corridor within the work areas for STR 2346 through STR 2351.

White Fir-Red Fir Forest

In white fir-red fir forest, white fir and red fir (*A. magnifica*) are co-dominant, with occasional occurrences of incense cedar and Jeffrey pine. The understory is dominated by pinemat manzanita. A heavy duff layer exists, which contributes to the lack of understory diversity. A few of the typical understory species observed include bush chinquapin, pinedrops (*Pterospora andromedea*), and mountain whitethorn. White fir-red fir forest occurs in one section of the alignment corridor south of Brockway Summit, between STR 1142 and STR 1150.

Montane Riparian

Montane riparian forest varies greatly in vegetative structure and species composition. At higher elevations, montane riparian areas consist of extremely dense, shrub-like mountain alder (*Alnus incana* ssp. *tenuifolia*) and willow (*Salix* spp.), with no standing or flowing water. Along Middle Martis and Martis creeks, silver willow (*Salix geyeriana*) and Lemmon's willow (*Salix lemmonii*) dominate the vegetative community and are surrounded by an expansive wet meadow. Quaking aspen (*Populus tremuloides*) occurs at the outer limits of the riparian canopy along hillslope tributaries to Middle Martis Creek.

Within the study area, this vegetation type occurs along Martis and Middle Martis creeks and their tributaries. Several montane riparian communities in the study area are not associated with perennial flowing streams or seasonal channels, but instead with wet seeps or small ravines. Montane riparian forest occurs in the following locations in the study area:

- between STR 1004 and STR 1010 in Martis Valley;
- between STR 1025 and STR 1026 in Martis Valley;
- between STR 1034 and STR 1036, just south of Highway 267 in Martis Valley;
- between STR 1047 and STR 1049, east of Highway 267;
- between STR 1068 and STR 1072, east of Highway 267;
- between STR 1077 and STR 1098;
- between STR 1126 and STR 1127, just northwest of Brockway Summit; and
- between STR 1135 and STR 1136 at Brockway Summit.

Low Sage Scrub

Low sage scrub is a low-growing scrub community dominated by low sage (*Artemisia arbuscula* ssp. *arbuscula*) and is often associated with antelope brush, rubber rabbitbrush (*Chrysothamnus nauseosus*), or big sagebrush. Several herbaceous species are present in the low sage community, including dwarf lupine (*Lupinus lepidus* var. *confertus*) and Nevada sulfur flower (*Eriogonum umbellatum* var. *nevadense*). The low sage community in the survey area exists on the edges of open meadow communities.

Low sage scrub is contiguous with Jeffrey pine forest and occurs in the following locations in the study area:

- between STR 1002 and STR 1005 in Martis Valley;
- between STR 1022 and STR 1025 in Martis Valley;
- between STR 1032 and STR 1034 in Martis Valley;
- between STR 1036 and STR 1050, north and east of Highway 267;
- between STR 1068 and STR 1073, east of Highway 267; and
- between STR 1106 and STR 1109, north of Highway 267.

Sagebrush Scrub

Sagebrush scrub is comprised of soft-woody shrubs dominated by big sagebrush. It occurs on a variety of soils and terrain. Rubber rabbitbrush and antelope brush are the most common

associates of this community in the study area. Sagebrush scrub is found within Martis Valley along the western edge of the work area at STR 1036.

Montane Chaparral

Montane chaparral can have various compositions that change with elevation, soil type, and aspect. Montane chaparral exists in small patches throughout the study area and is characterized by one or more of the following species: mountain whitethorn, tobacco brush, greenleaf manzanita, pinemat manzanita, huckleberry oak, bush chinquapin, and bitter cherry (*Prunus emarginata*). Open areas in the Sierran mixed conifer forest are dominated by this vegetation community. These openings are either natural forest openings or clearings created by disturbances, such as logging, road construction, fire, or utility line clearance. Much of the survey area where regular vegetation maintenance occurs is dominated by montane chaparral species. Montane chaparral occurs between in the following locations in the study area:

- STR 1124 and STR 1126, northwest of Brockway Summit;
- between STR 1147 and STR 1173, south and southeast of Brockway Summit;
- between STR 1177 and STR 1187; and
- between STR 1192 and STR 1195 in the southeastern third of the alignment corridor.

Ruderal

Ruderal (i.e., weedy) communities are assemblages of plants that thrive in waste areas, roadsides, and other sites that have been disturbed by human activity. This vegetation type is mostly found along roadsides or in small patches within the study area. Some of the common species observed include white sweetclover (*Melilotus albus*), cheatgrass (*Bromus tectorum*), bindweed (*Convolvulus arvensis*), red-stem filaree (*Erodium cicutarium*), and common mullein (*Verbascum thapsus*). Ruderal vegetation within the survey area can be found in the work areas surrounding Kings Beach Substation, as well as along access roads and roadsides.

Aquatic Communities

Dry Montane Meadow

Dry montane meadow is characterized by dense growth of perennial herbs and grasses, such as common bluegrasses (*Poa* spp.), common yarrow (*Achillea millefolium*; FACU), rushes (*Juncus* spp.), and mat muhly (*Muhlenbergia filiformis*; FACW). Dry meadows form in areas where water is concentrated near the soil surface early in the growing season only, but long enough to allow perennial herbs to reproduce. They are generally located adjacent to wet meadows supported by groundwater, on shady slopes, and where snowmelt is slow at higher elevations. Within the survey area, the dominant plant species documented within dry montane meadow include narrow-leaved sedge (*Carex angustata*; FACW), Baltic rush (*Juncus balticus*; FACW), annual saltmarsh aster (*Symphyotrichum spathulatum*; FAC), hairy arnica (*Arnica mollis*; FAC), agoseris (*Agoseris grandiflora*; NL), Idaho bentgrass (*Agrostis idahoensis*; FACW), and blue-eyed Mary (*Collinisa parviflora*; NL). Dry montane meadow occurs between STR 1015 and STR 1022 in Martis Valley, and between STR 1035 and STR 1036 in Martis Valley just south of Highway 267.

Wet Montane Meadow

Wet montane meadow is comprised of a wide variety of grasses and perennial herbs adapted for growth in saturated soils. Dominant species are sedges (*Carex* spp.), rushes, and bentgrasses (*Agrostis* spp.). Wet meadows in the project area have seasonally saturated soils and are usually associated with an adjacent riparian forest or scrub community, seep, or waterway. The best examples of this relationship are located along Middle Martis Creek, West Martis Creek, and Martis Creek. The dominant plant species documented within wet montane meadows within the survey area include Baltic rush, narrow-leaved sedge, Nebraska sedge (*Carex nebrascensis*; OBL), annual saltmarsh aster, hairy arnica, slender cinquefoil (*Potentilla gracilis*; FAC), smooth scouring-rush (*Equisetum laevigatum*; FACU), and cup clover (*Trifolium cyathiferum*; FAC).

Wet montane meadow occurs in the following locations in the study area:

- between STR 1004 and STR 1017 in Martis Valley;
- between STR 1022 and STR 1032 in Martis Valley;
- between STR 1034 and STR 1036 in Martis Valley, just south of Highway 267;
- between STR 1044 and STR 1052, north and east of Highway 267;
- between STR 1068 and STR 1073 east of Highway 267;
- between STR 1076 and STR 1079 at the intersection to the Northstar Tap;
- between STR 1114 and STR 1117 in Jeffrey pine forest north of Brockway Summit;
- between STR 1123 and STR 1125 in Jeffrey pine forest north of Brockway Summit; and
- within the work area for STR 1135 at Brockway Summit.

Ditch

Riprap-lined ditches and dirt-bottomed roadside ditches are maintained for storm water conveyance and support little to no vegetation. Numerous ditches were present within the survey area along Highway 267 and dirt access roads, as detailed in Attachment F: Jurisdictional Hydrologic Features within the Survey Area.

Ephemeral Drainage

Ephemeral drainages are channels that temporarily convey concentrated flows following storm events. These drainages are dry for the majority of the year and are generally vegetated by upland species in the survey area. In areas where some ponding may occur, the drainages support upland and hydrophytic species, including squirreltail grass (*Elymus elymoides*; FACU), cheatgrass (NL), Idaho bentgrass (*Phleum pretense*; FAC), big sagebrush (NL), willow dock (*Rumex salicifolius*; FACW), narrow-leaved sedge (FACW), and silver willow (FACW). Numerous ephemeral drainages were documented during the wetland delineation surveys, as detailed in Attachment F: Jurisdictional Hydrologic Features within the Survey Area.

7.1 RWQCB-JURISDICTIONAL FEATURES

No isolated wetlands or isolated drainages qualifying as waters of the State were identified in the survey area. Pursuant to Section 401 of the CWA, the area of features in the survey area that qualifies as waters of the State (as defined by the RWQCB) is approximately 10.802 acres, which includes approximately 10.047 acres of wetlands and approximately 0.755 acre of other waters of the U.S.

8 – DISCUSSION AND SUMMARY

The data sheets in Attachment C: Wetland Data Forms indicate the percent cover of the plant species that were identified as dominant species at each data point. In addition, the data sheets indicate the wetland indicator status for each listed plant. Features W-204 to W-206, W-401, W-601, W-604, W-701 to W-704, W-1003 to W-1006, W-1601, W-1401, and W-1402 had a dominance of hydrophytic vegetation, hydric soils, and the presence or evidence of wetland hydrology, thereby meeting all of the wetland criteria presented in the USACE Wetlands Delineation Manual (Environmental Laboratory 1987). Attachment F: Jurisdictional Hydrologic Features within the Survey Area indicates all features in the survey area that may be regulated as waters of the U.S by the USACE. The total area of USACE-jurisdictional wetlands currently mapped on the site is approximately 10.047 acres. The total area of other waters of the U.S. is approximately 0.755 acres. Attachment A: Wetland Delineation Survey Results Map indicates the centerline for the intermittent, perennial, and ephemeral drainages on site. Attachment F: Jurisdictional Hydrologic Features within the Survey Area provides a breakdown of each mapped wetland and other waters of the U.S., its acreage, and potential jurisdiction. The actual acreage of all areas in the survey area that may be regulated as waters of the U.S., pursuant to Section 404 of the CWA, is subject to concurrence by the USACE.

No isolated wetlands or isolated drainages qualifying as waters of the State were identified in the survey area. Pursuant to Section 401 of the CWA, the area of features in the survey area that qualifies as waters of the State (as defined by the RWQCB) is approximately 10.802 acres, which includes approximately 10.047 acres of wetlands and approximately 0.755 acre of other waters of the U.S.

9 – REFERENCES

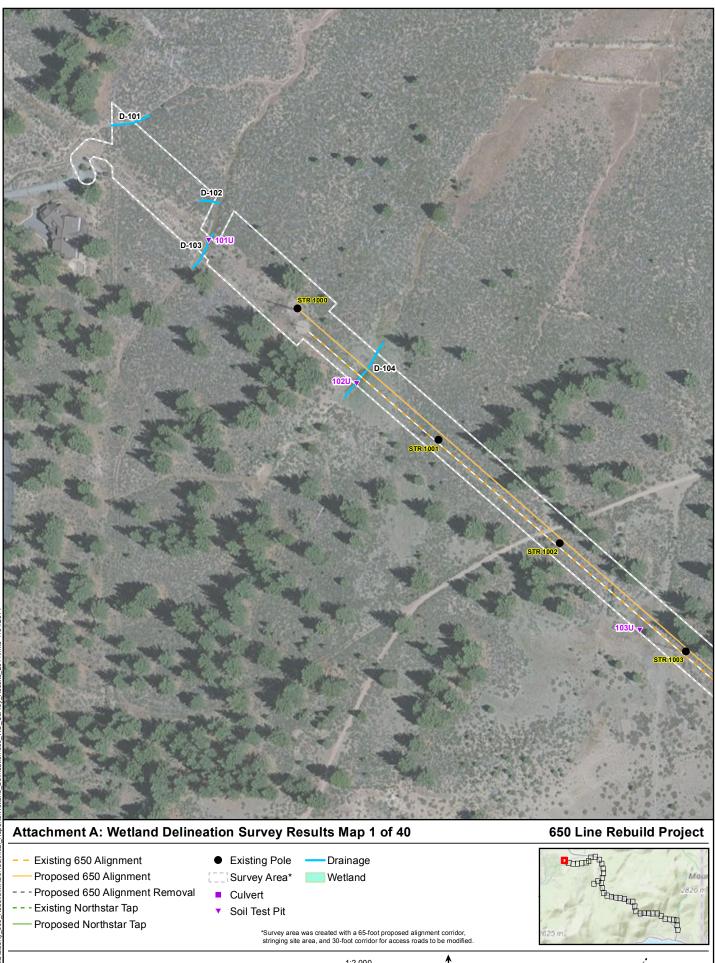
- CDFW. 2012. California Wildlife Habitat Relationships System. Operated and maintained by the Biogeographic Data Branch in cooperation with the California Interagency Wildlife Task Group. Sacramento, California. <u>http://www.dfg.ca.gov/biogeodata/cwhr/</u>. Site visited July 2014.
- Ascent Environmental. California Pacific Electricity Company 625 and 650 Electrical Line Upgrade Project DEIS/EIS/EIR (SCH# 2012032066). November 2013.
- Baldwin, G.B., et al. 2012. The Jepson Manual: Vascular Plants of California, 2nd Edition. University of California Press. 2012.
- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1, U.S. Army Engineer Waterways Experimental Station, Vicksburg, MS. 117 pp.
- EPA and USACE. 2008. Clean Water Act Jurisdiction Following the U.S. Supreme Court's Decision in *Rapanos v. U.S.* and *Carabell v. USACE*. December 2, 2008.

- Holland, R.F. 1986. *Preliminary Descriptions of the Terrestrial Natural Communities of California*. CDFW. Unpublished report.
- Jepson eFlora. 2014. Taxonomic treatments for California native and naturalized plants. Online. <u>http://ucjeps.berkeley.edu/IJM.html</u>. Site visited July 2014.
- Lichvar, R.W., M. Butterwick, N.C. Melvin, and W.N. Kirchner. 2014. The National Wetland Plant List: 2014 Update of Wetland Ratings. Phytoneuron 2014-41: 1–42. Online. <u>https://wetland_plants.usace.army.mil</u>. Site visited July 2014.
- Munsell Color. 2000. Munsell Soil Color Charts. Revised Edition. Munsell Color/GretagMacBeth, New York.
- RWQCB. 2014. Clean Water Act Section 401, Lahontan RWQCB. Online. <u>http://www.waterboards.ca.gov/lahontan/water_issues/programs/clean_water_act_401/in</u> <u>dex.shtmlhttp://www.waterboards.ca.gov/sanfranciscobay/certs.shtml</u>. Site visited July 2014.
- Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Official Soil Series Descriptions. Available online. Accessed July 7, 2014.
- USACE. 1986. Regulatory Program Regulations. 33 CFR Part 328: Definition of Waters of the United States. Online. <u>http://www.gpo.gov/fdsys/pkg/CFR-2011-title33-vol3/pdf/CFR-2011-title33-vol3-part328.pdf</u>. Site visited June 22, 2012.
- USACE. 2001. *Minimum Standards for Acceptance for Preliminary Delineations*. Regulatory Branch of the Sacramento District, U.S. Army Corps of Engineers. November 30, 2001.
- USACE. 2008a. A Field Guide to the Identification of the Ordinary High Water Mark in the Arid West Region of the Western United States. R.W. Lichvar and S.M. McColley. ERDC/CRREL TR-08-12. Hanover, NH; U.S. Army Engineer Research and Development Center.
- USACE. 2008b. Regulatory Guidance Letter No. 08-02, Subject: Jurisdictional Determinations. June 26, 2008.
- USACE. 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-10-3. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- USACE. 2012. Final Map and Drawing Standards for the South Pacific Division Regulatory Program, U.S. Army Corps of Engineers Regulatory Program in South Pacific Division. August 6, 2012.
- USFWS. 2014. National Wetlands Inventory. Online. <u>http://www.fws.gov/wetlands/</u>. Site visited June 2014.

Weixelman, D.A., B. Hill, D.J. Cooper, E.L. Berlow, J.H. Viers, S.E. Purdy, A.G. Merrill, and S.E. Gross. 2011. A Field Key to Meadow Hydrogeomorphic Types for the Sierra Nevada and Southern Cascade Ranges in California. Gen. Tech. Rep. R5-TP-034. Vallejo, CA. US Department of Agriculture, Forest Service, Pacific Southwest Region, 34 pp.

Wetland Training Institute. 2013. Pocket Guide to Hydric Soil Field Indicators. Based on Field Indicators of Hydric Soils in the United States (Version 7.0) with Updates.

ATTACHMENT A: WETLAND DELINEATION SURVEY RESULTS MAP



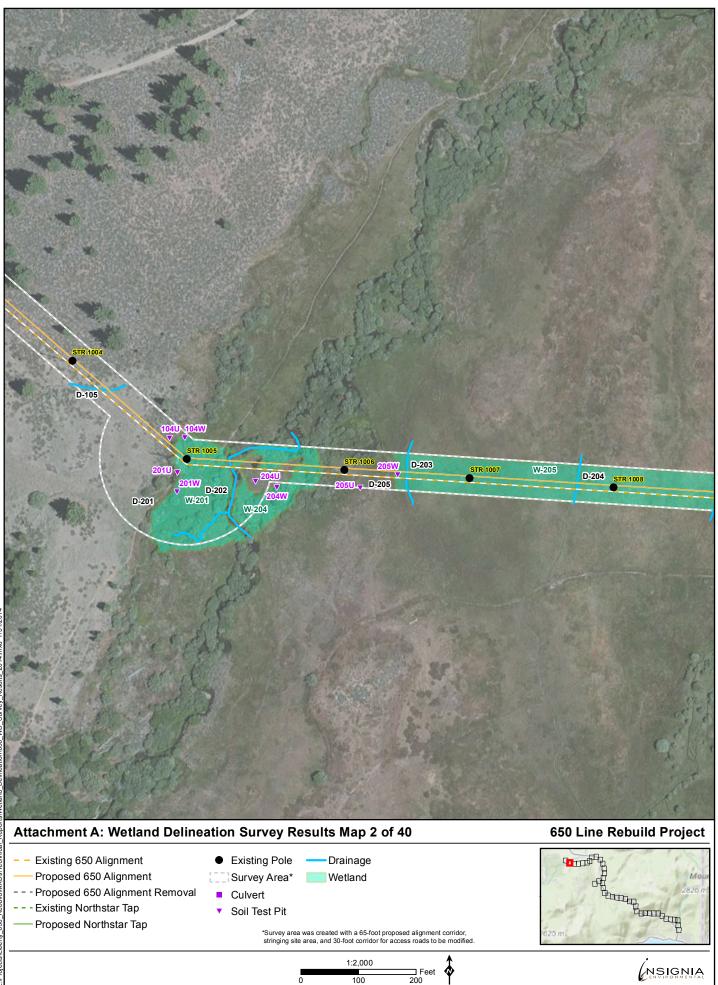
1:2,000

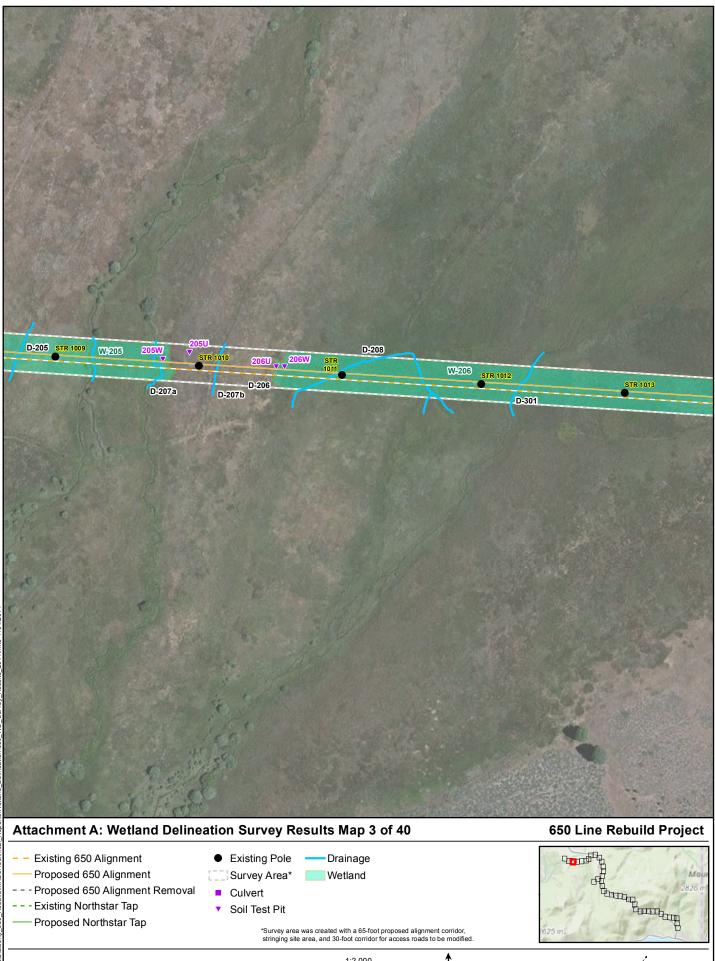
100

0

Feet 200

N





100

0

٥

Feet 200



- - - Existing Northstar Tap

Proposed Northstar Tap

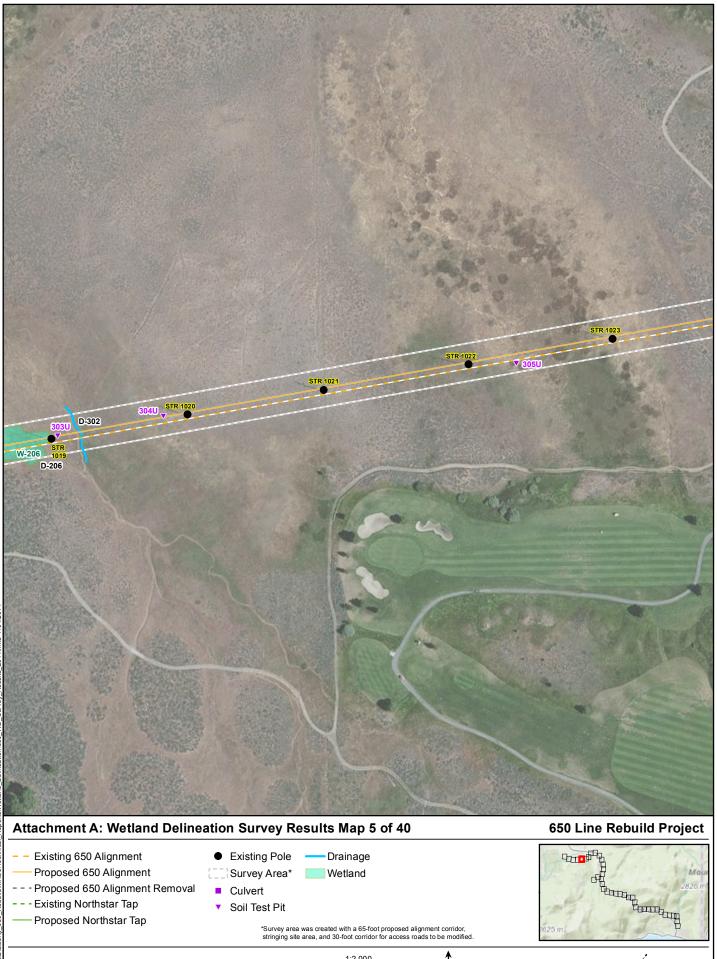
1:2,000 100

٥

Feet 200

*Survey area was created with a 65-foot proposed alignment corridor, stringing site area, and 30-foot corridor for access roads to be modified.

Soil Test Pit



Feet 200



acts/Liberty

*Survey area was created with a 65-foot proposed alignment corridor, stringing site area, and 30-foot corridor for access roads to be modified.

1:2,000

100

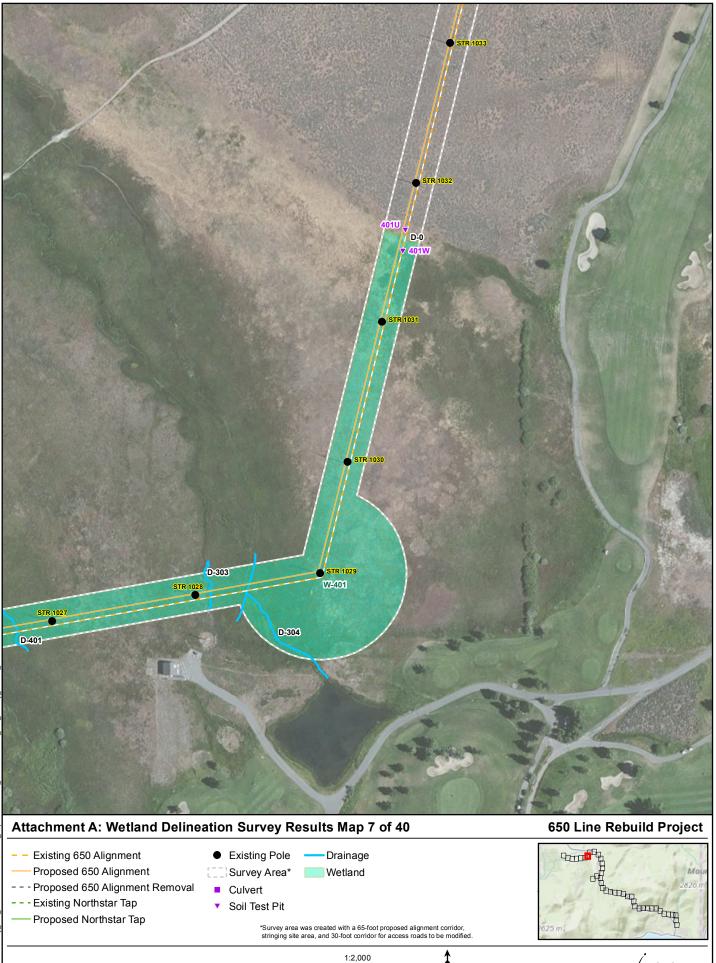
0

٥

Feet 200



Soil Test Pit

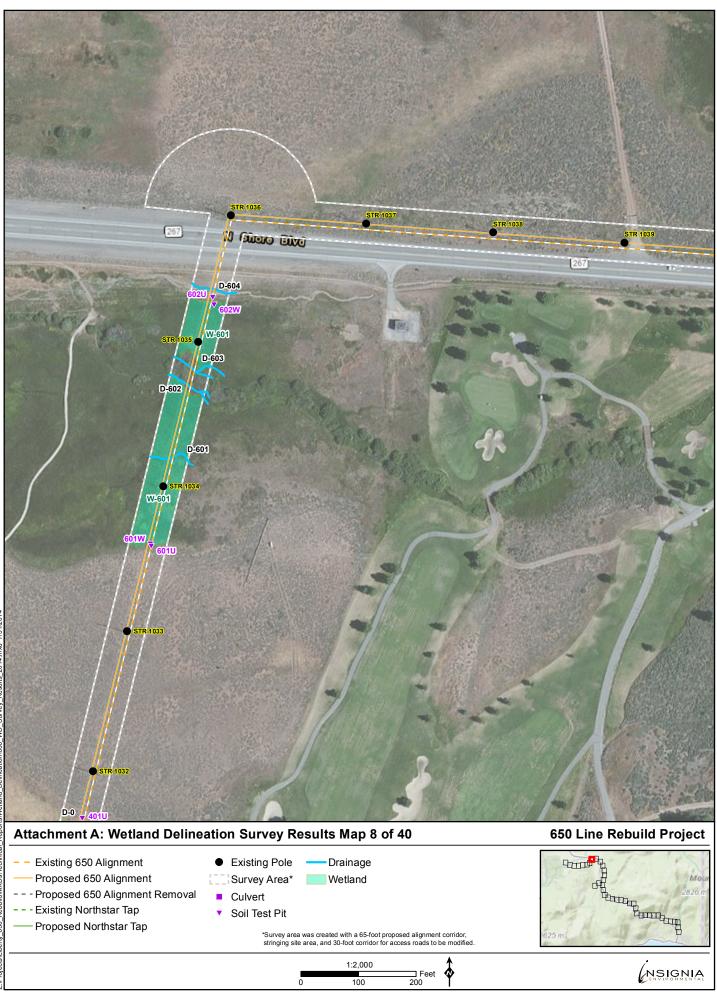


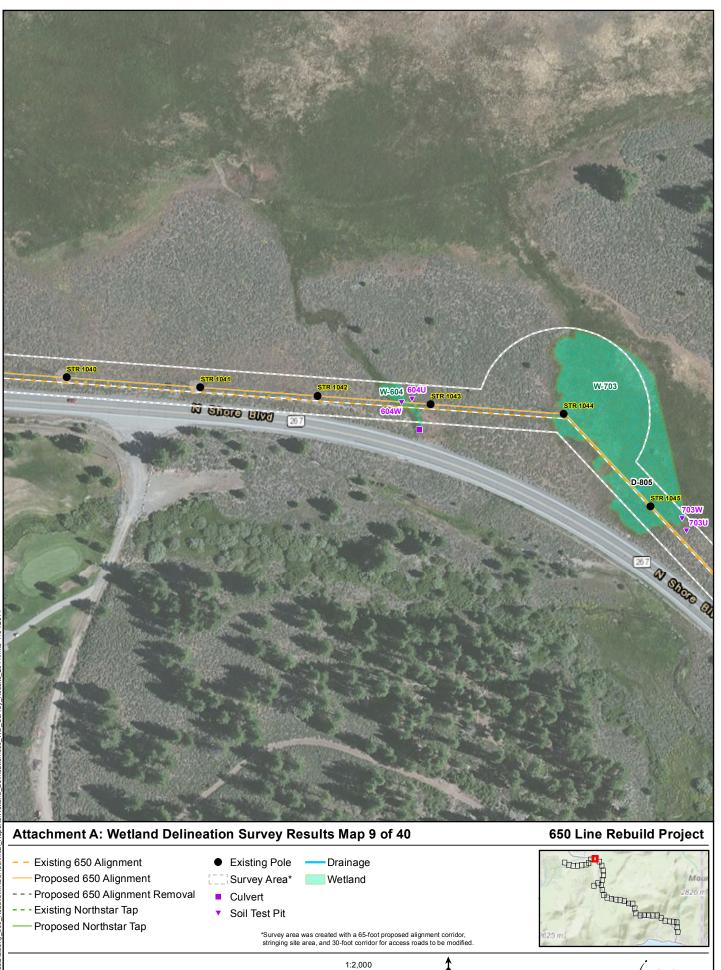
ð

Feet 200

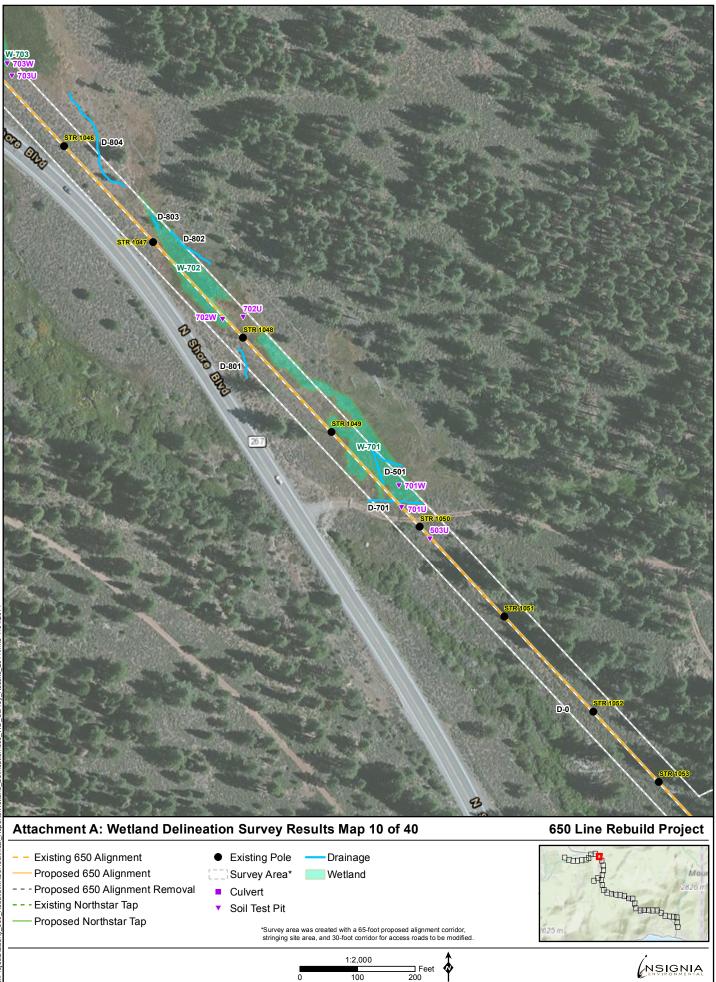
0

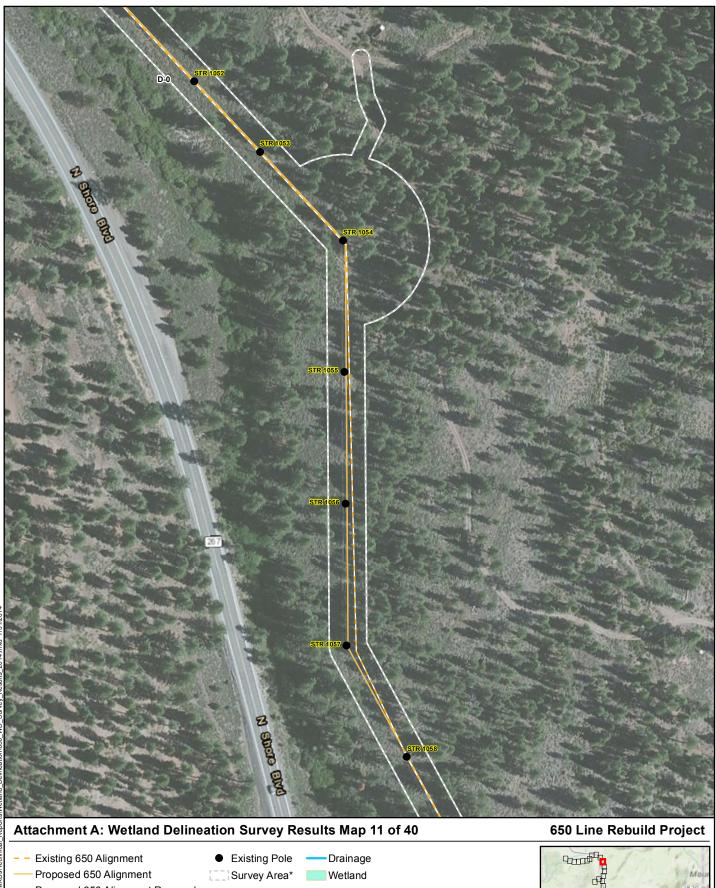
100

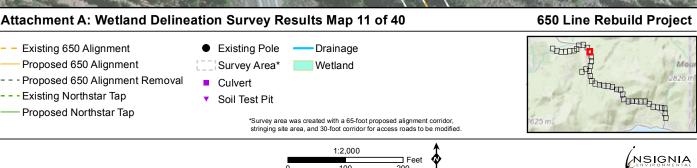




Feet 200



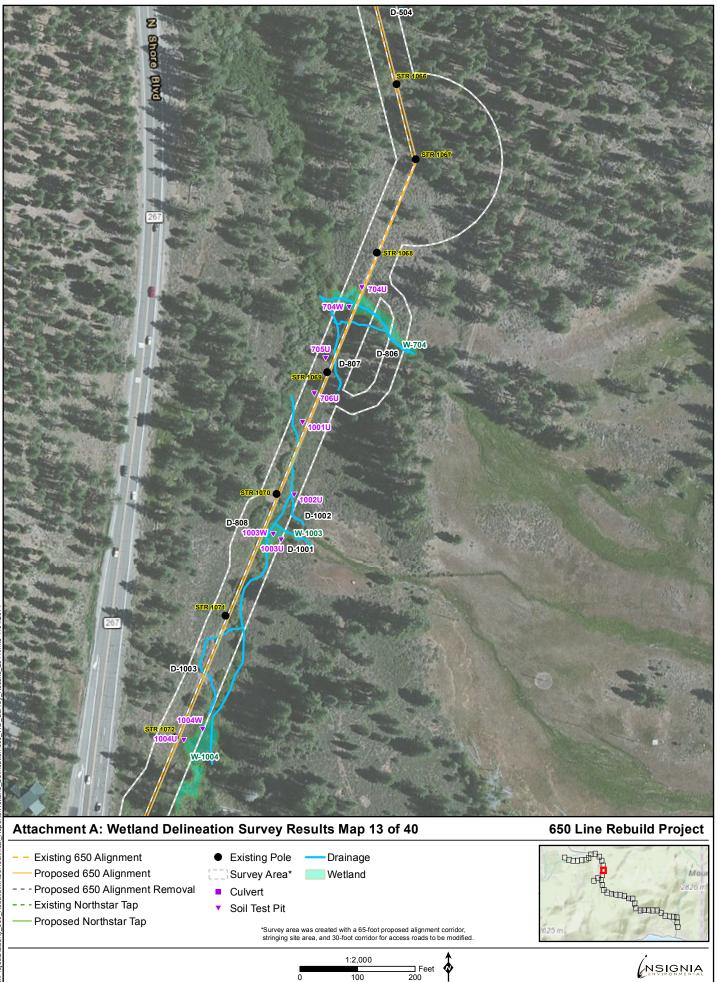


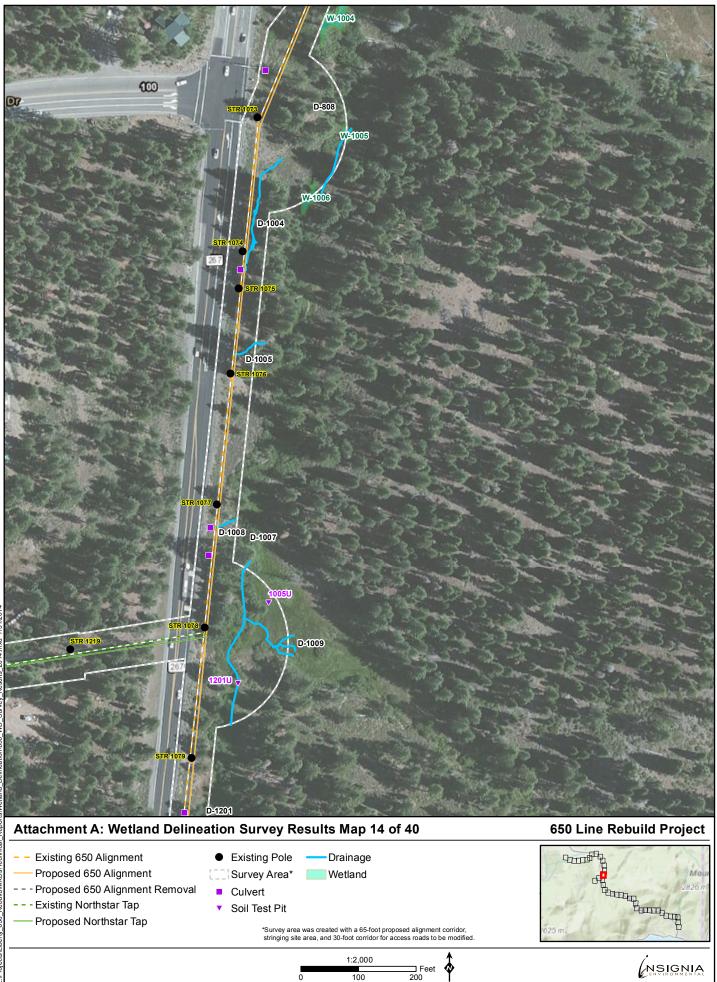


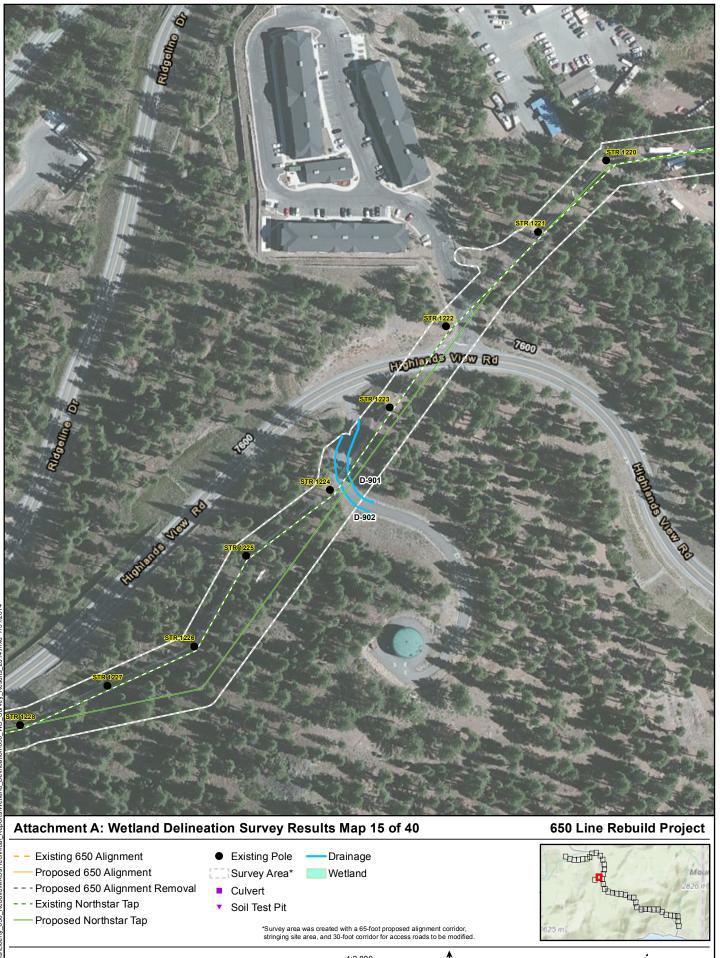
0

Feet 200









*Survey area was created with a 65-foot proposed alignment corridor, stringing site area, and 30-foot corridor for access roads to be modified.

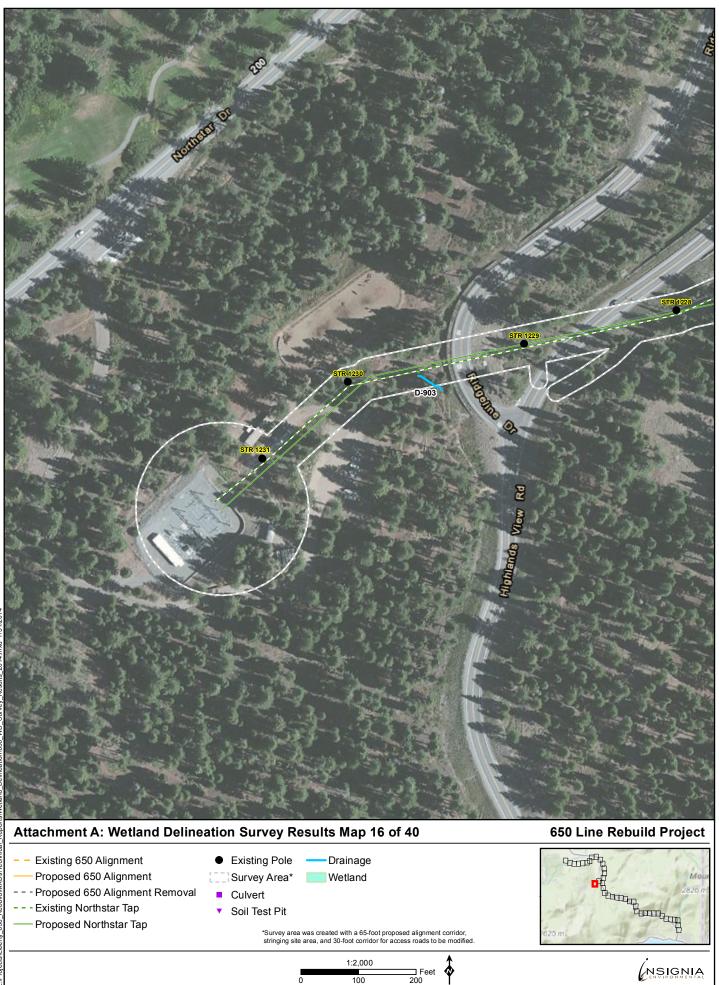
Feet 200

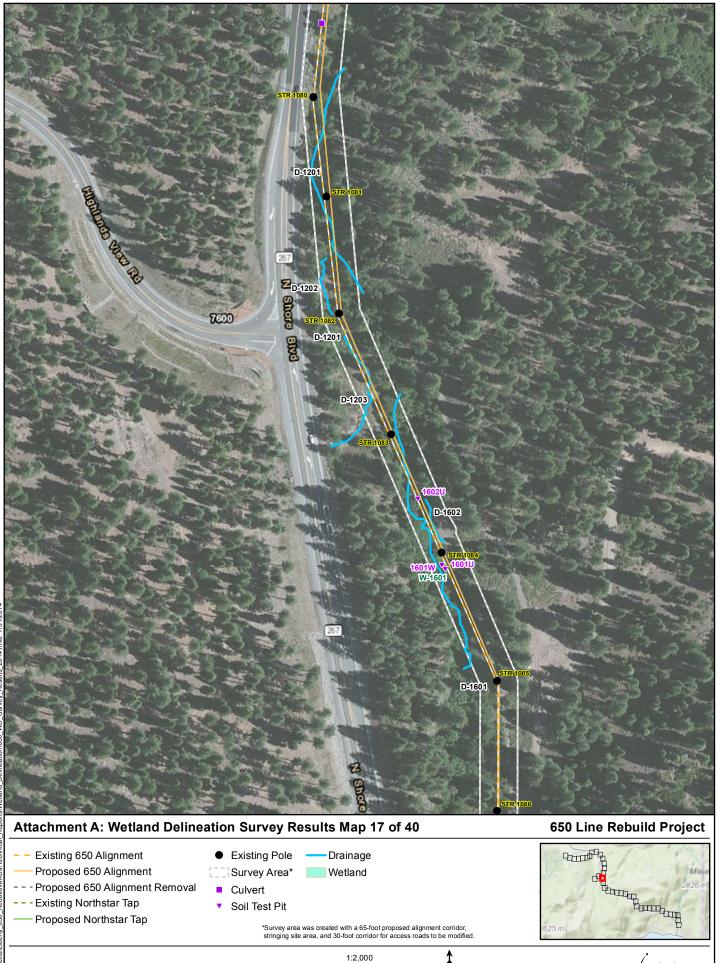
ø

1:2,000

100

0



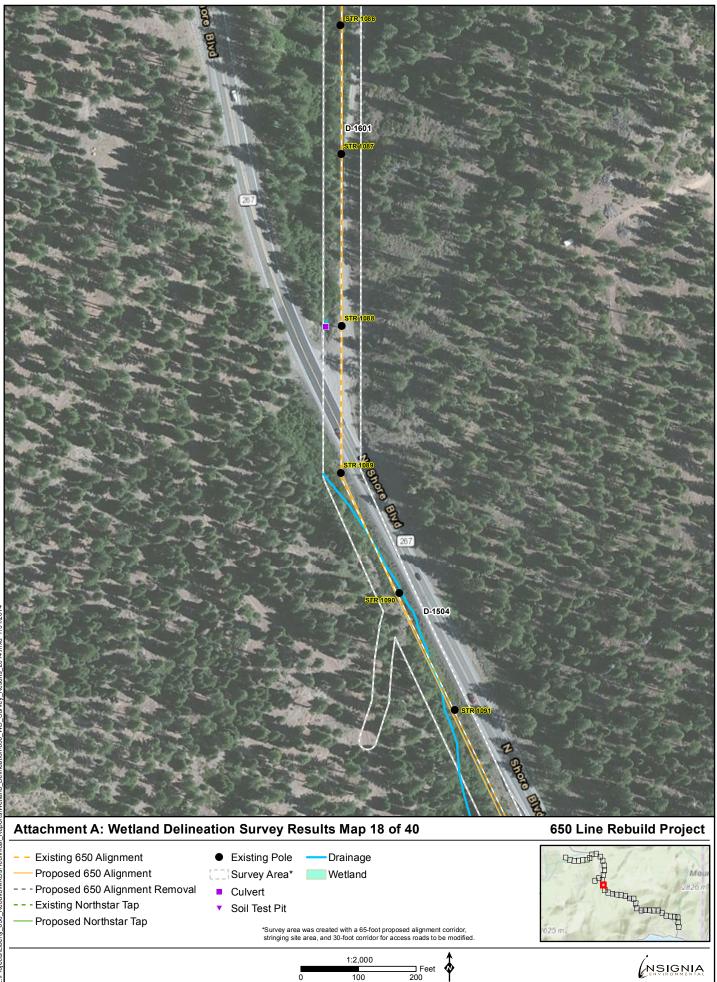


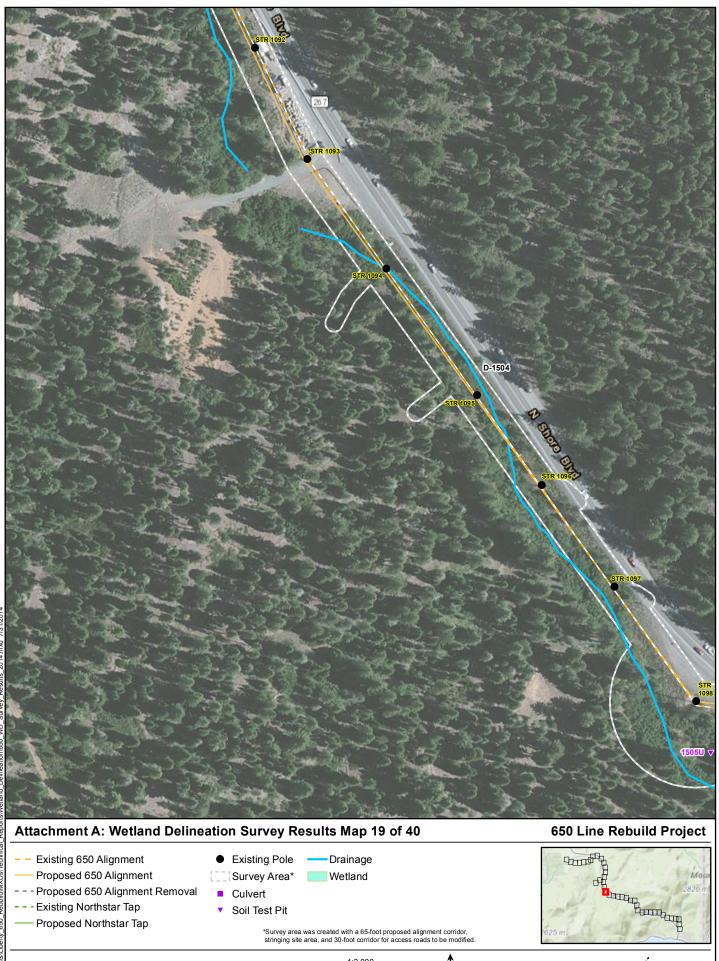
Feet 200

0

100

ø





*Survey area was created with a 65-foot proposed alignment corridor, stringing site area, and 30-foot corridor for access roads to be modified

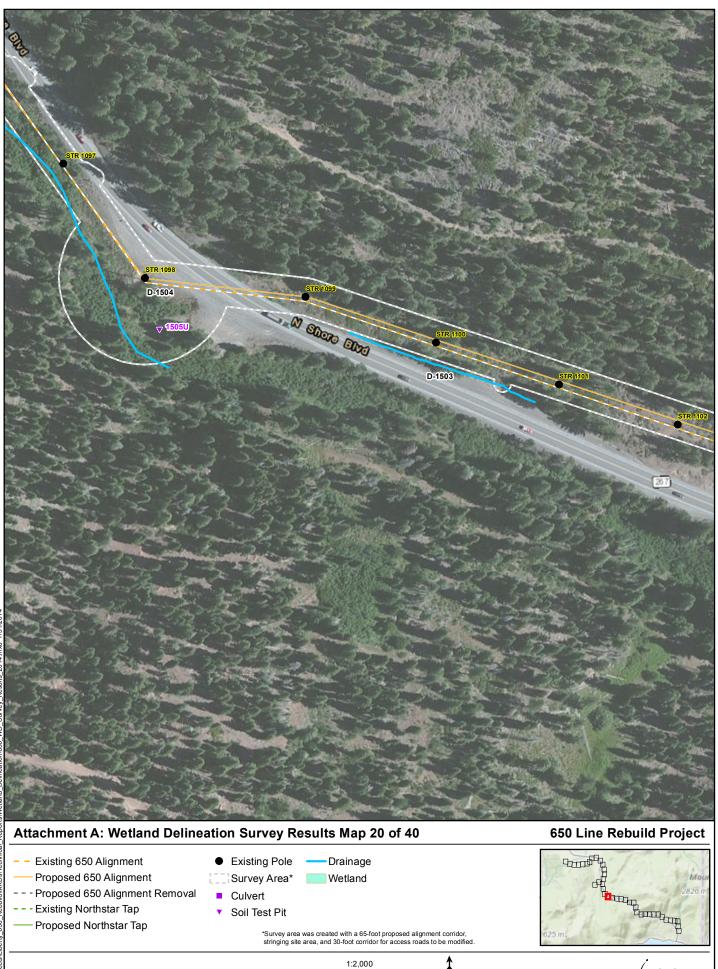
Feet 200

N

1:2,000

100

0

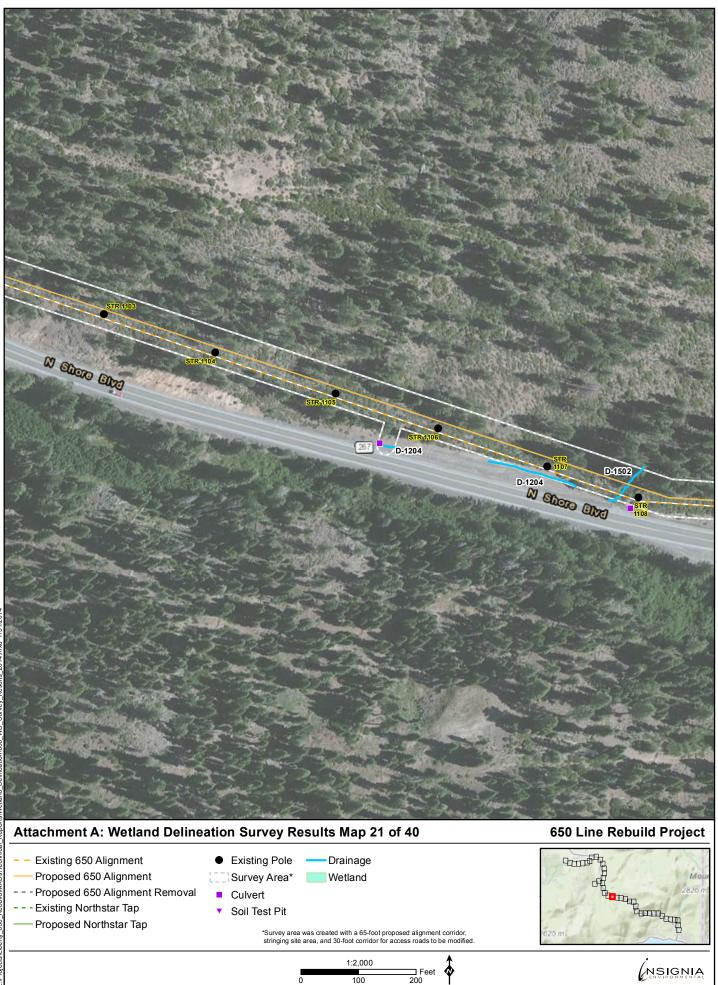


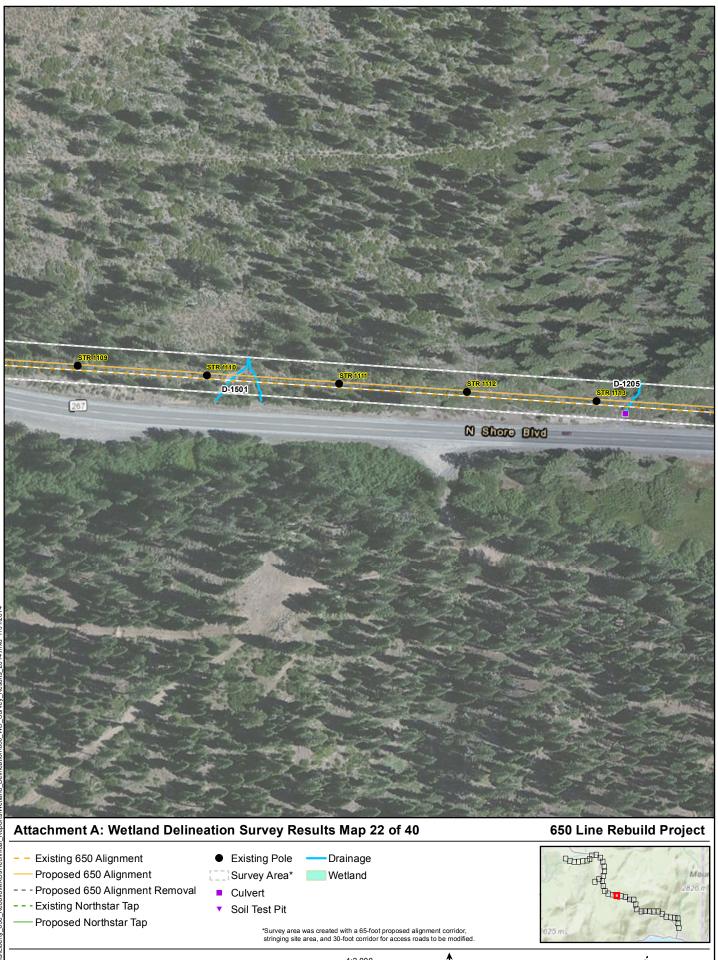
Feet 200

0

100

ø



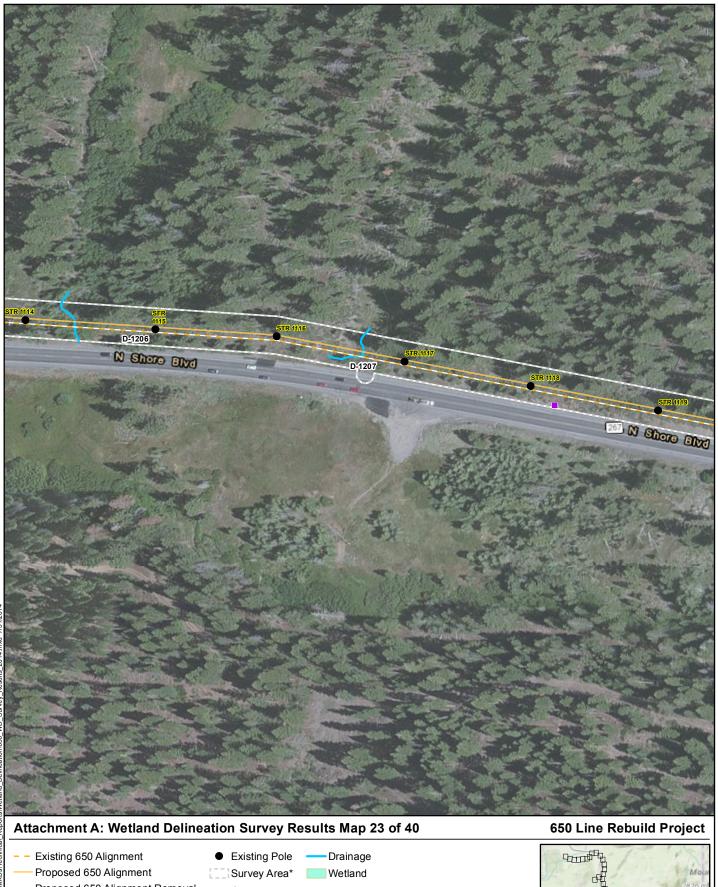


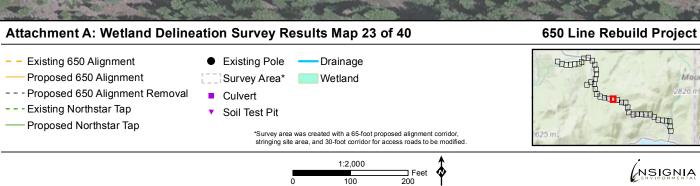
100

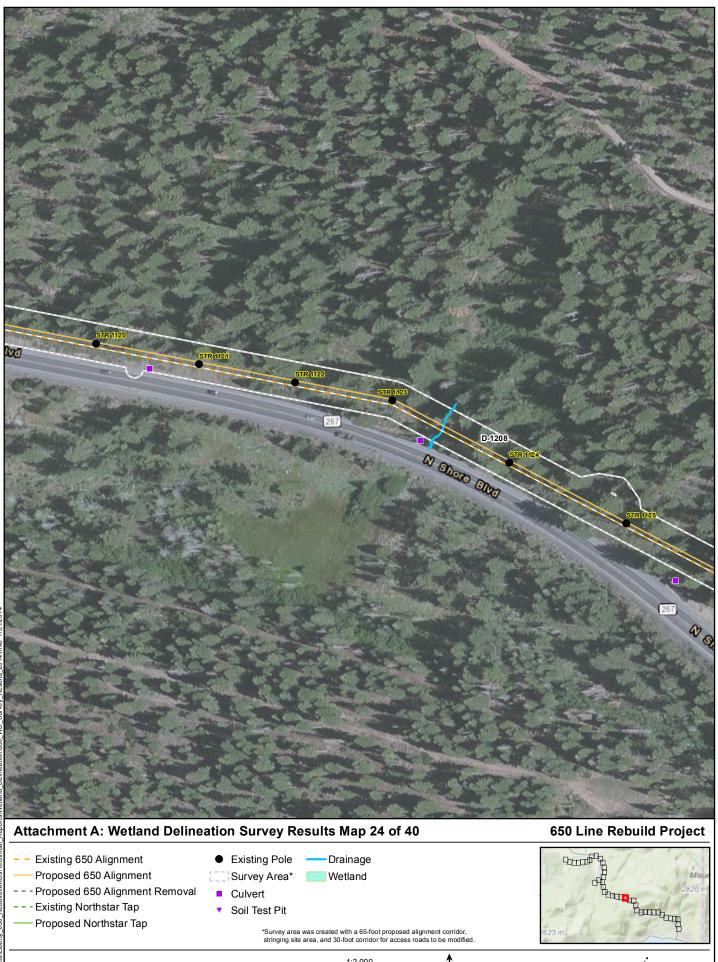
0

٨

Feet 200





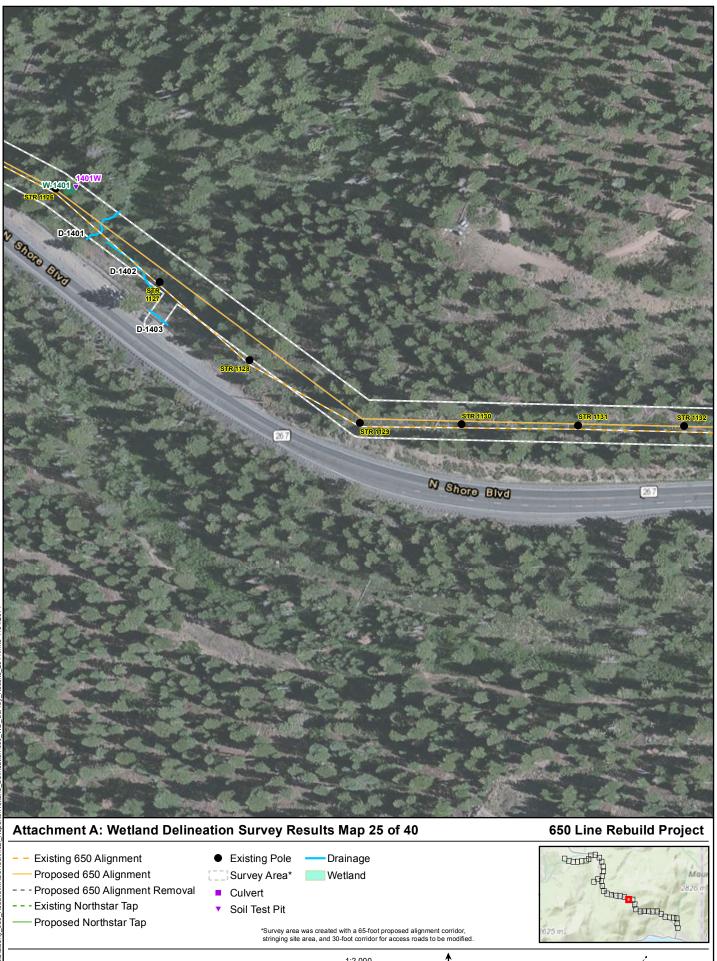


100

0

Feet 200

N

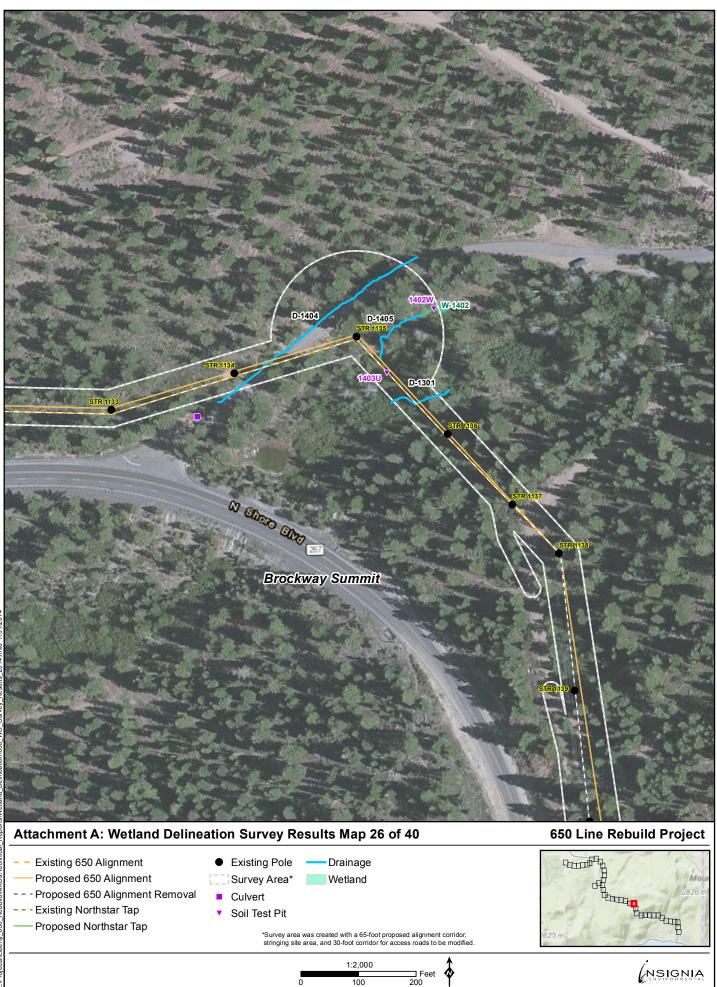


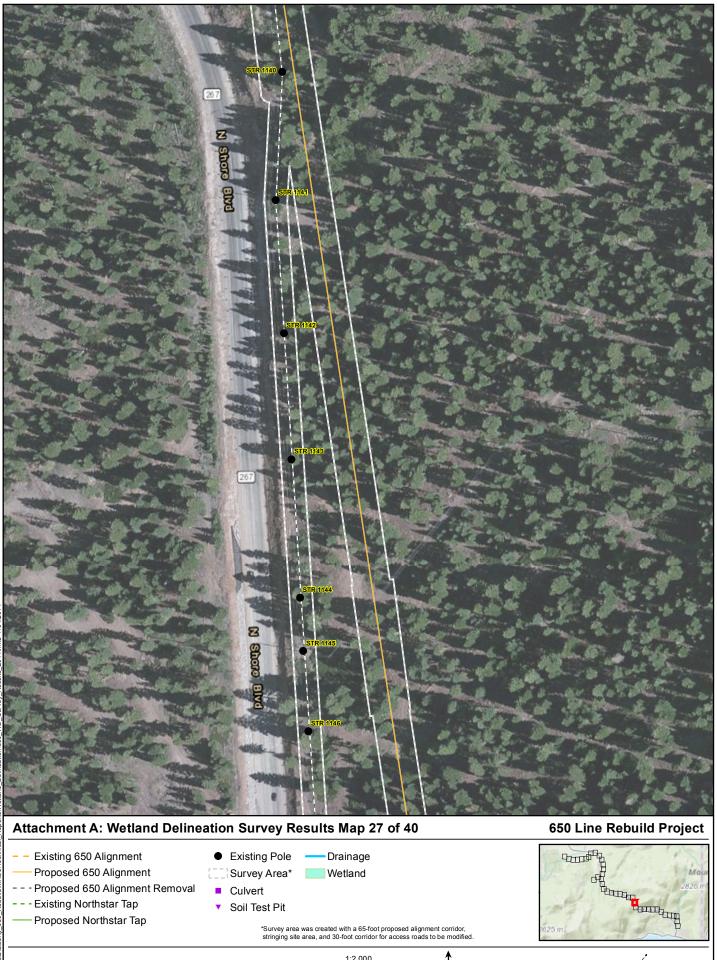
1:2,000 100

0

Feet 200

ø



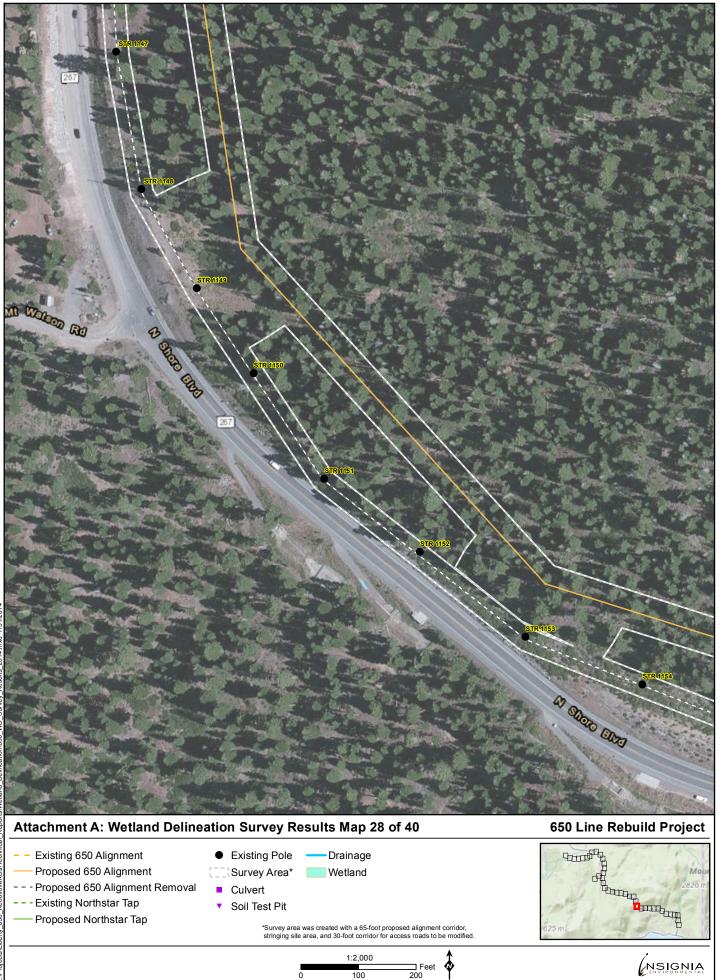


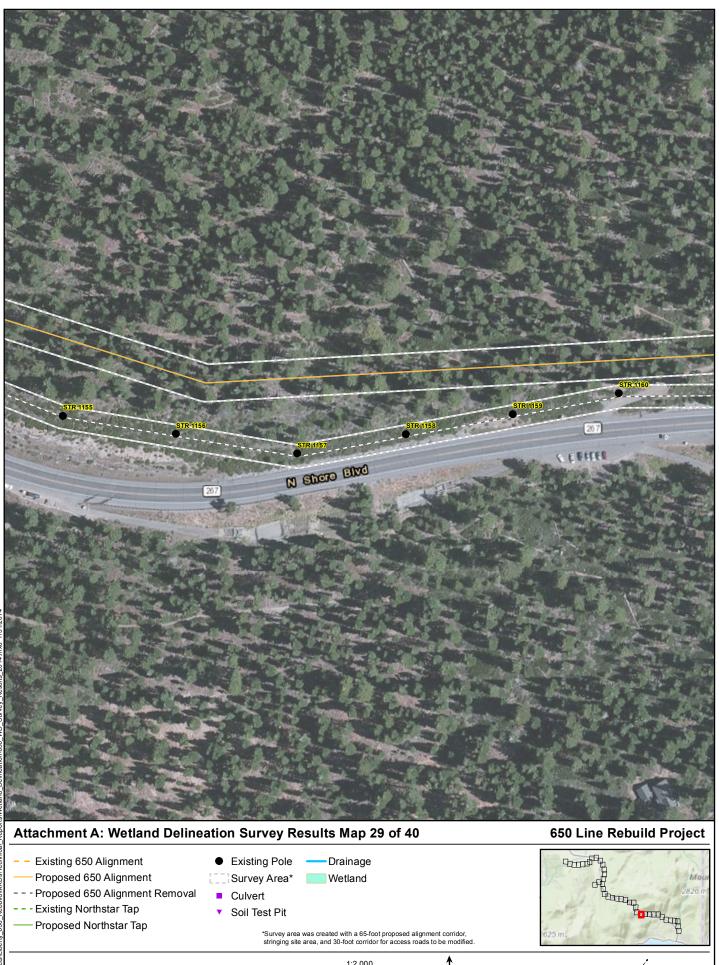
100

0

Feet 200

ø



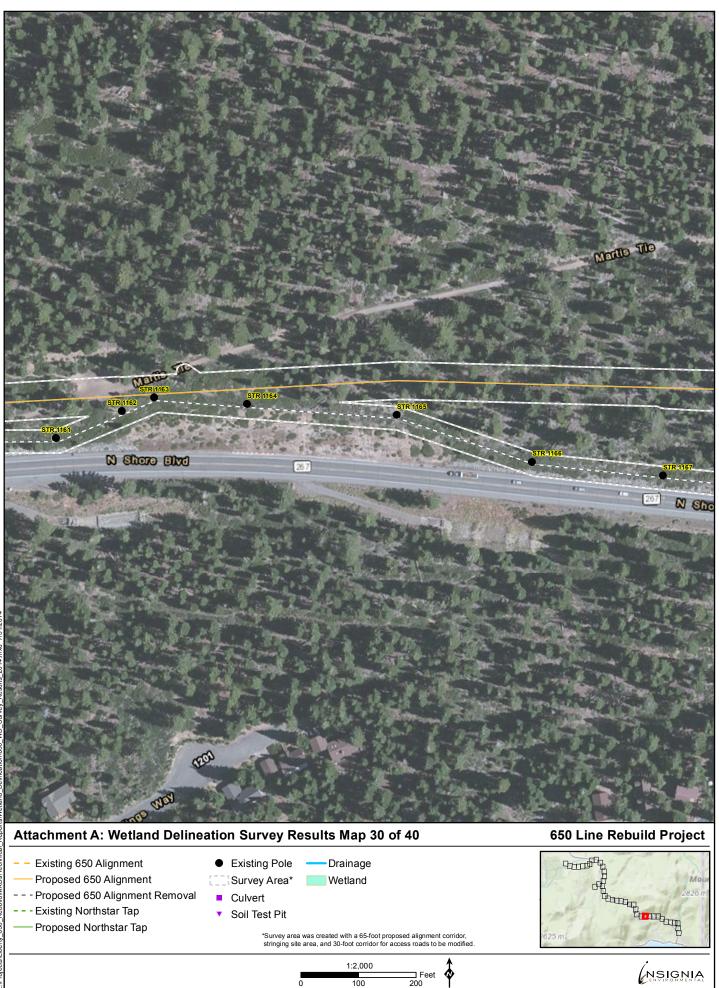


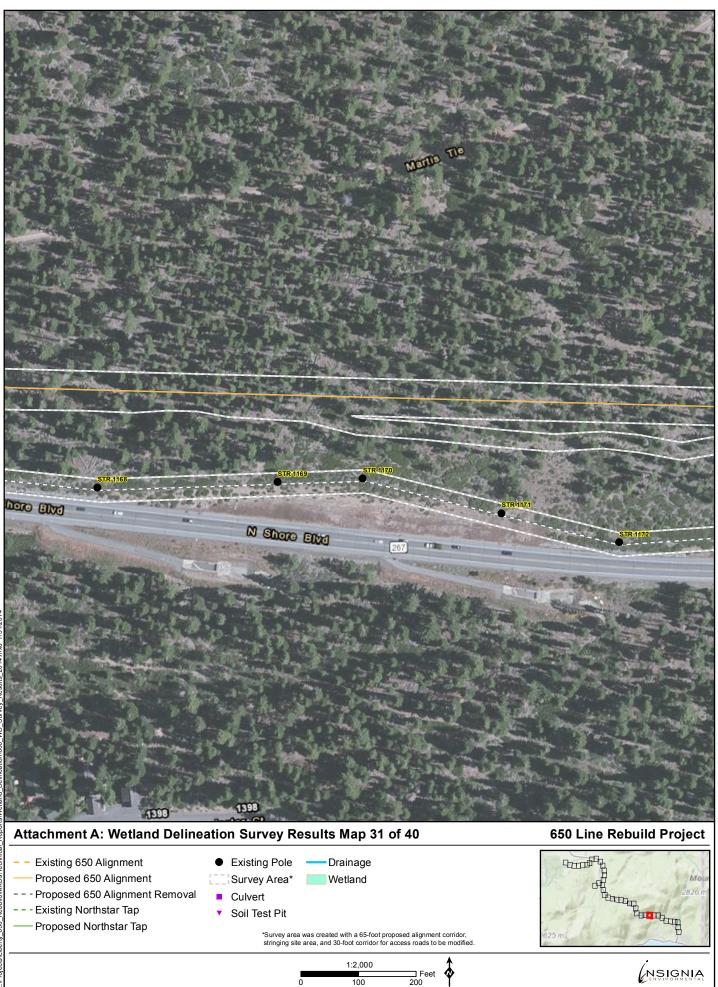
100

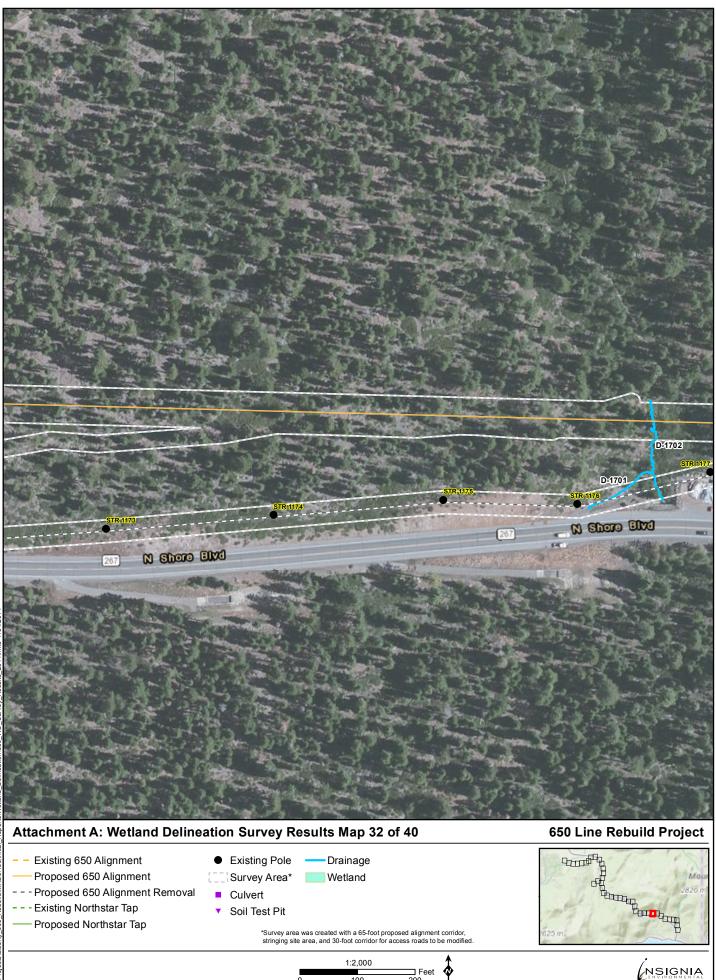
0

Feet 200

ø



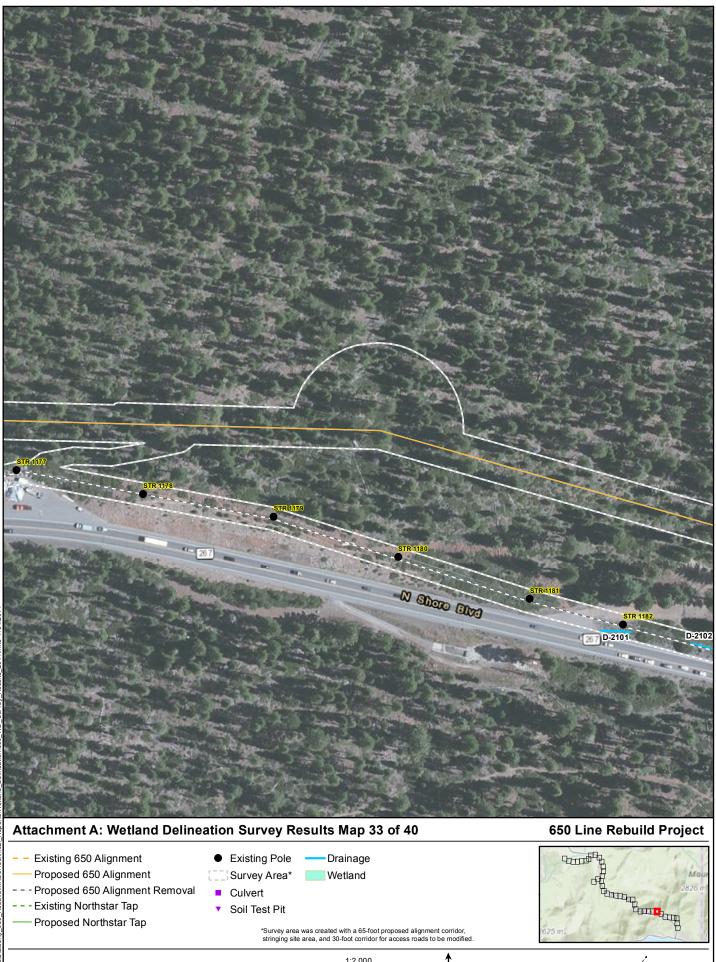




0

Feet 200

ø

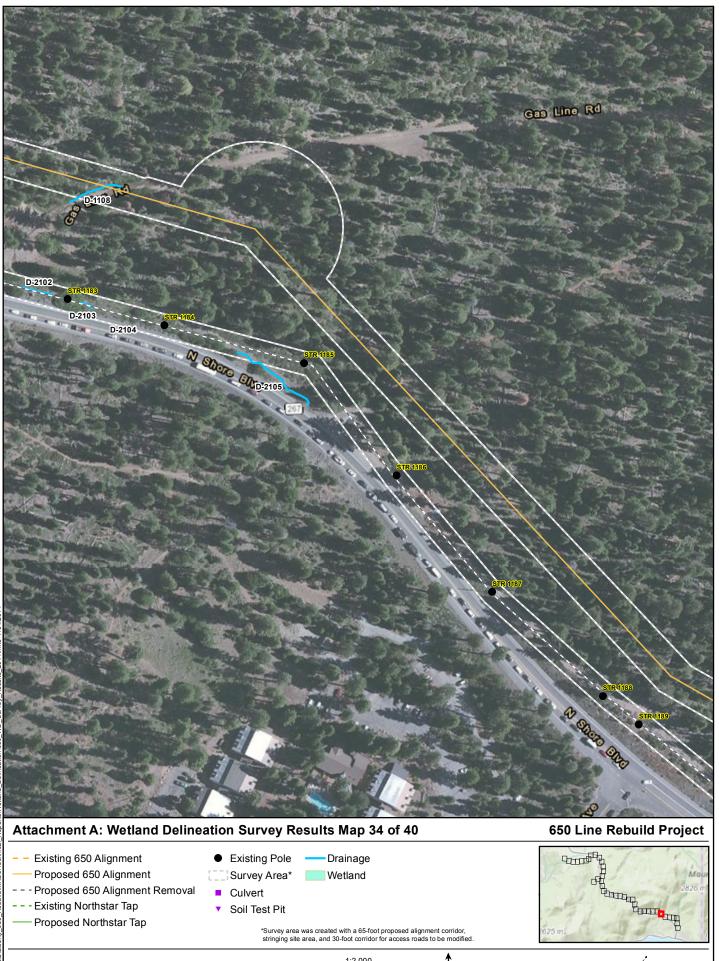


100

0

Feet 200

ø

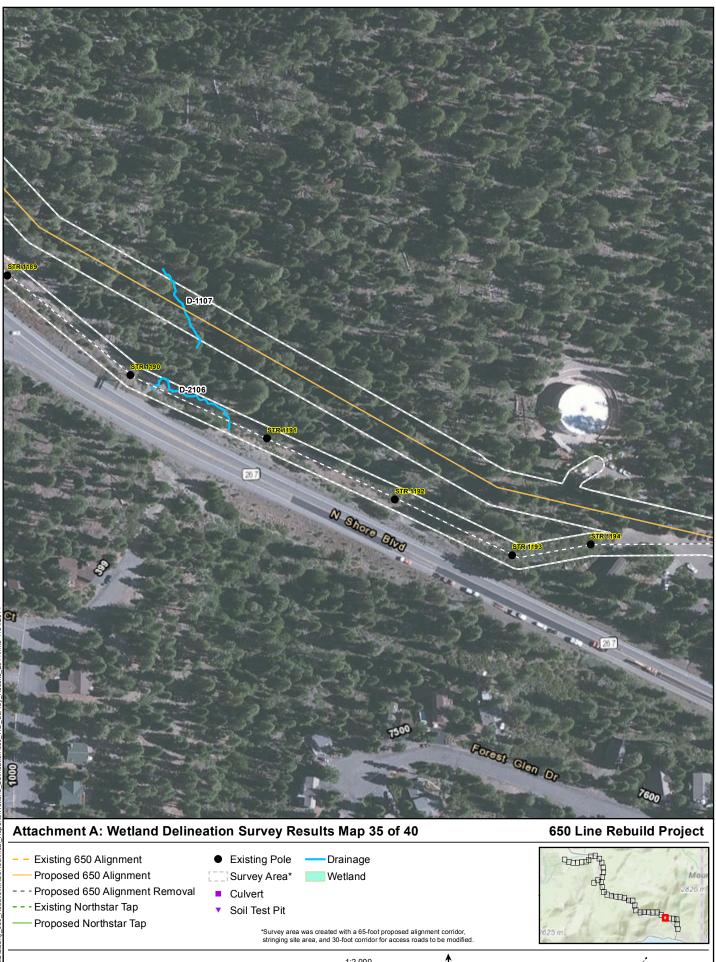


100

0

Feet 200

ø



*Survey area was created with a 65-foot proposed alignment corridor, stringing site area, and 30-foot corridor for access roads to be modified.

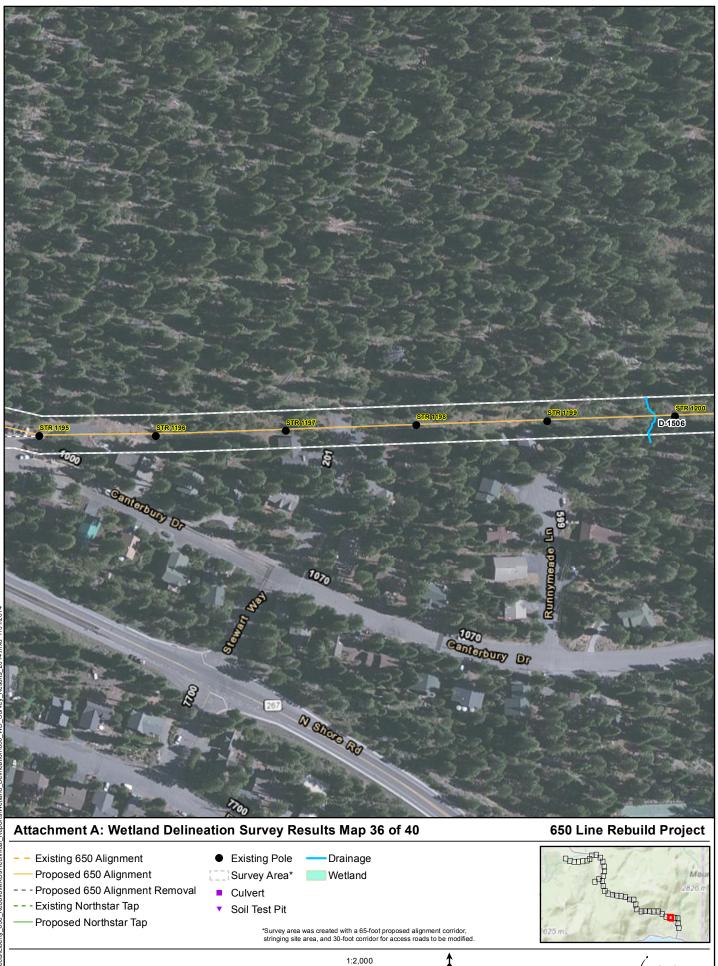
Feet 200

ø

1:2,000

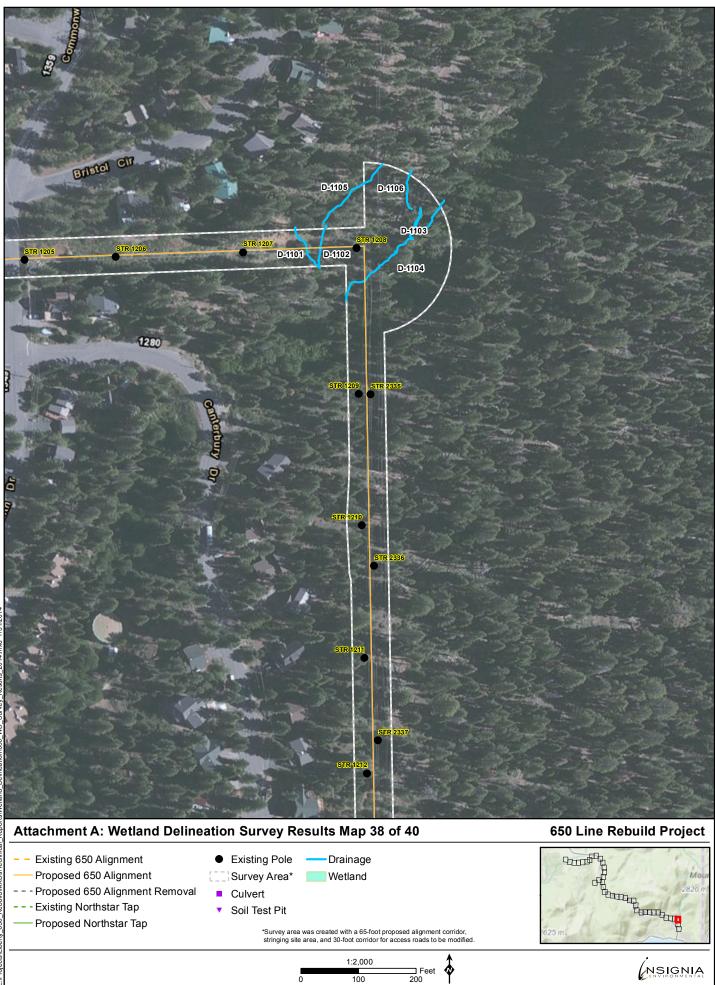
100

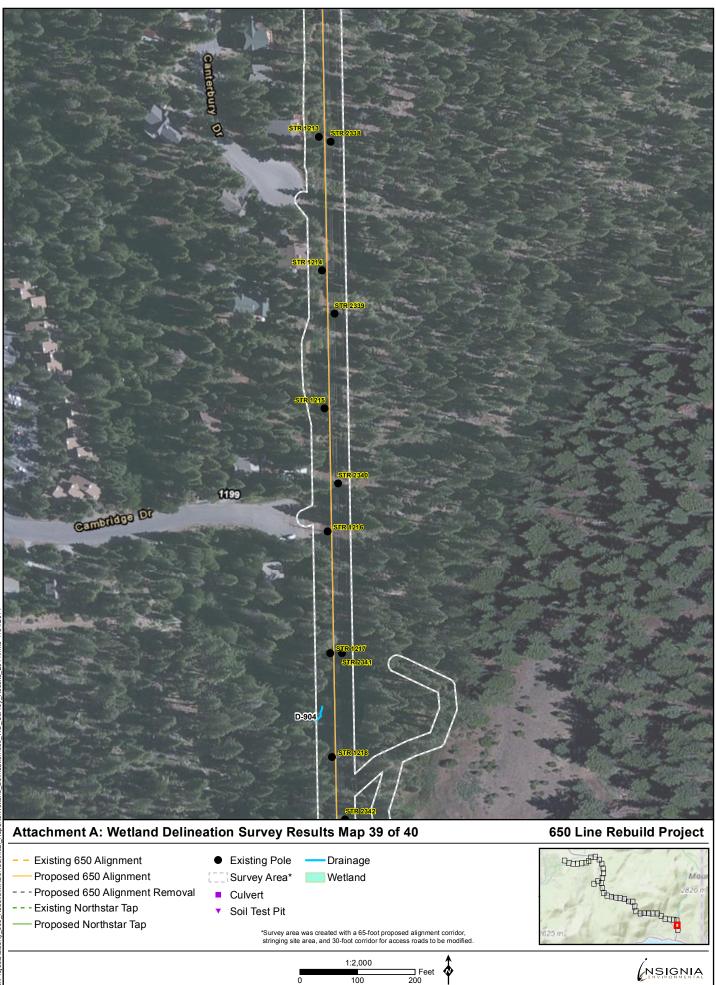
0

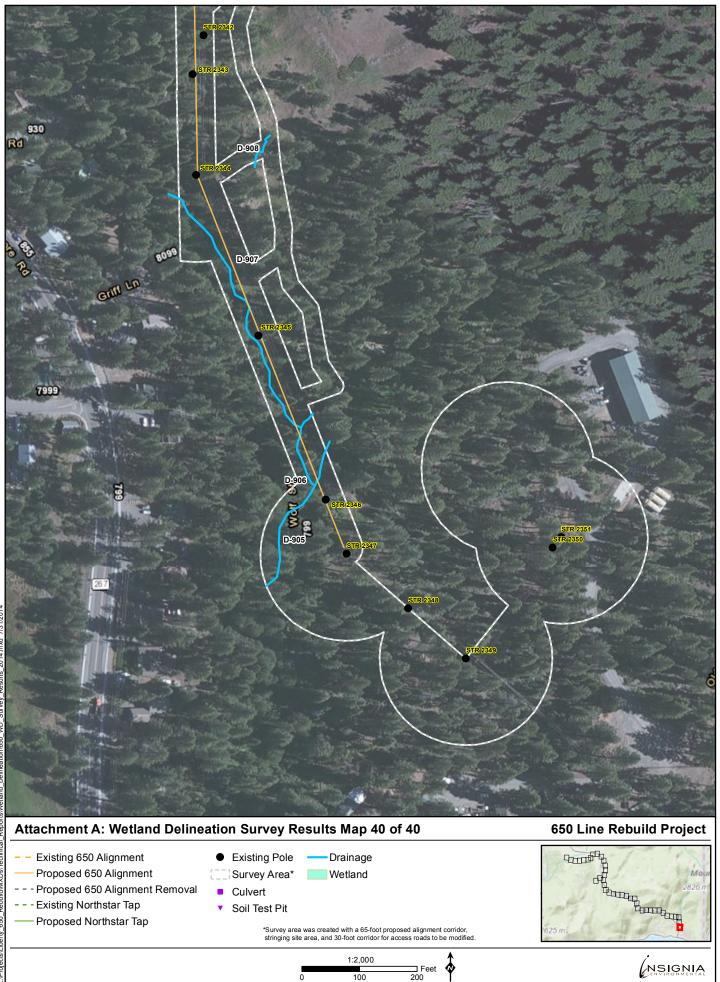


Feet 200

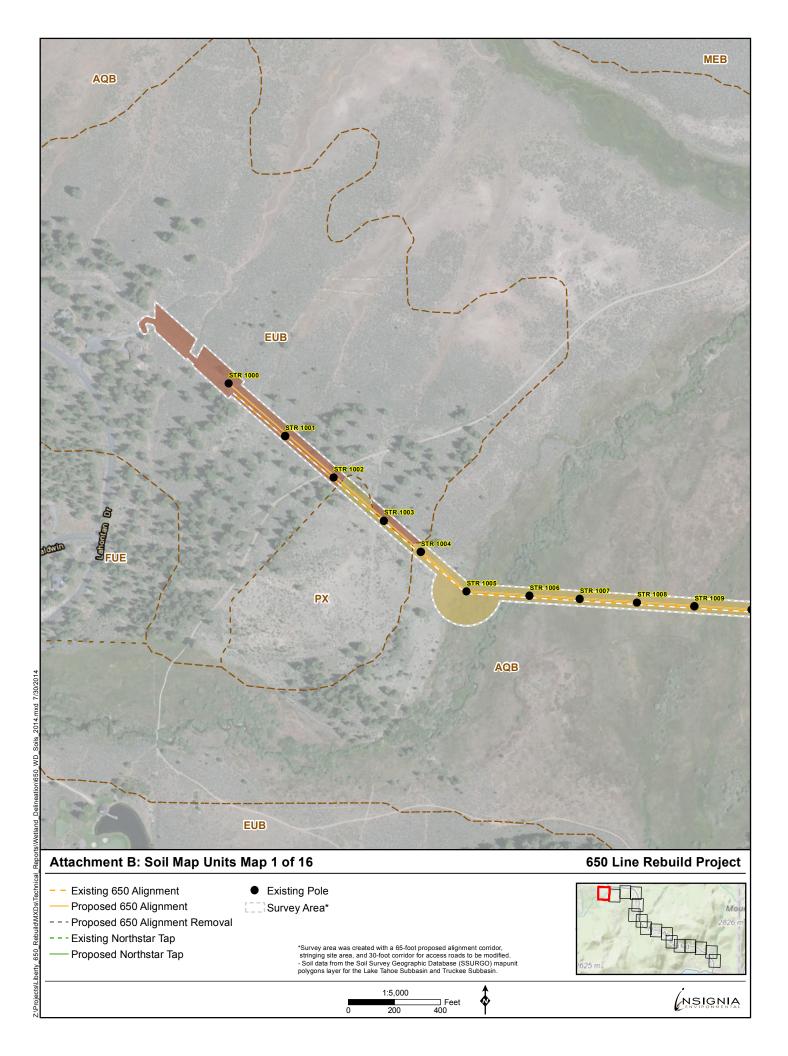


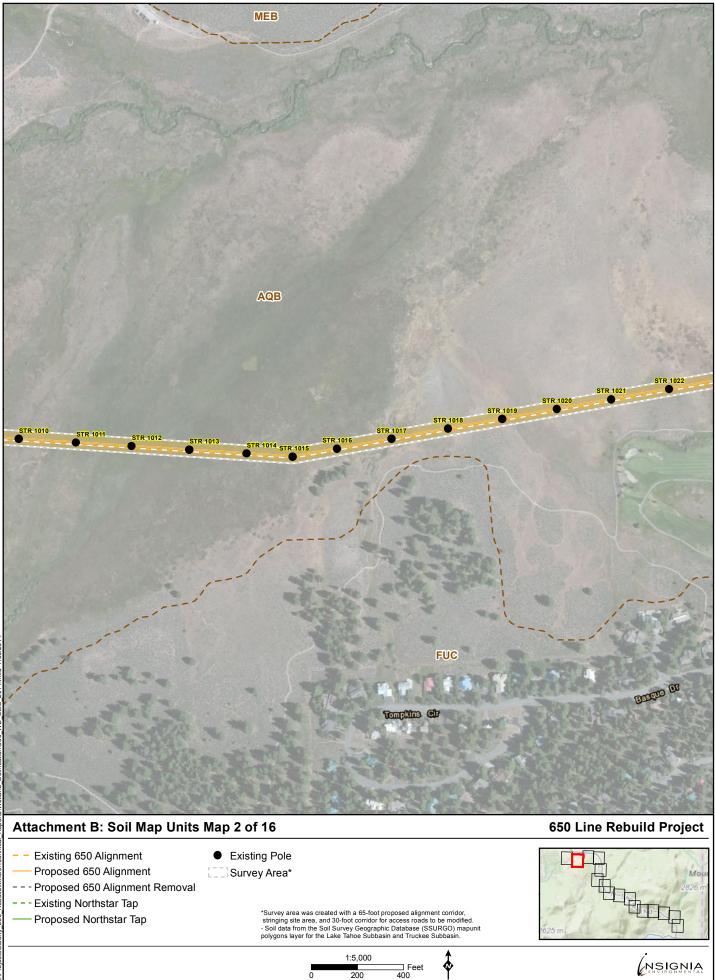






ATTACHMENT B: SOIL MAP UNITS







- Existing 650 Alignment
- Proposed 650 Alignment
- - Proposed 650 Alignment Removal
- - Existing Northstar Tap
- Proposed Northstar Tap
- *Survey area was created with a 65-foot proposed alignment corridor, stringing site area, and 30-foot corridor for access roads to be modified. Soil data from the Soil Survey Geographic Database (SSURGO) mapunit polygons layer for the Lake Tahoe Subbasin and Truckee Subbasin.

1:5,000

200

0

\$

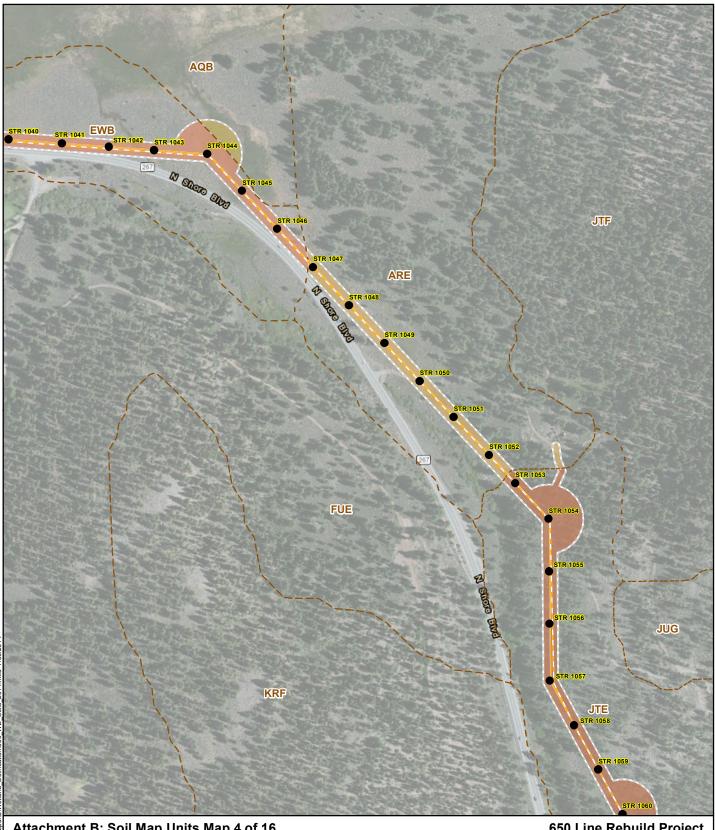
Feet 400

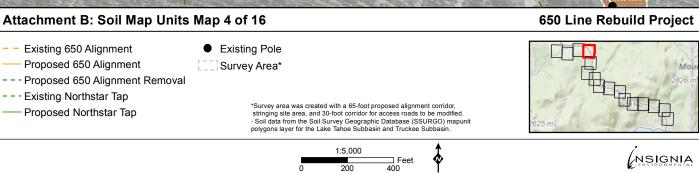
Existing Pole

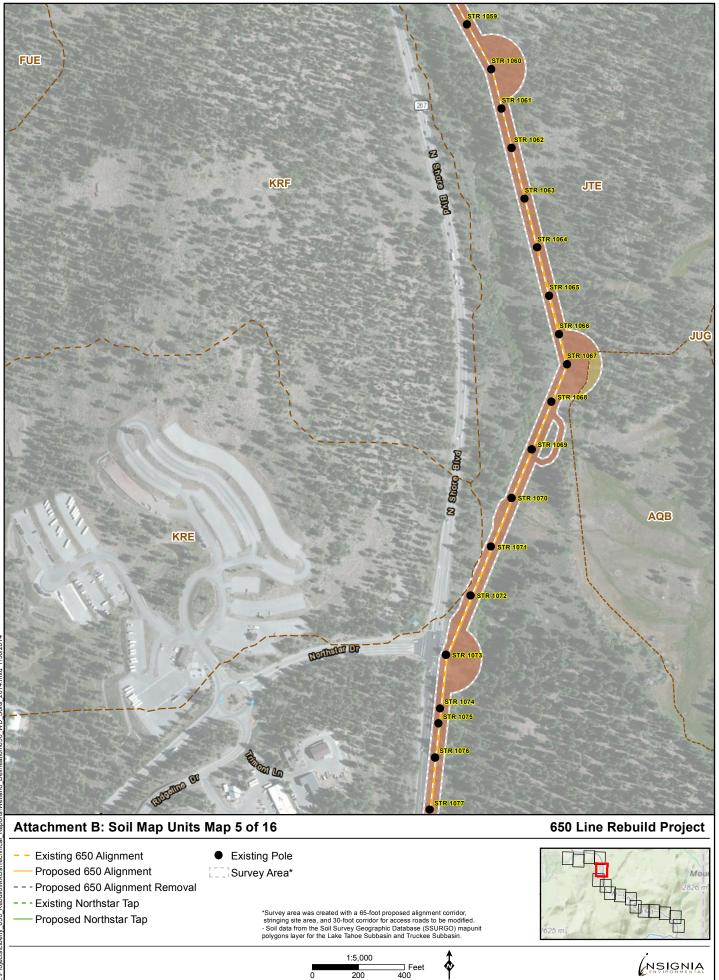
Survey Area*

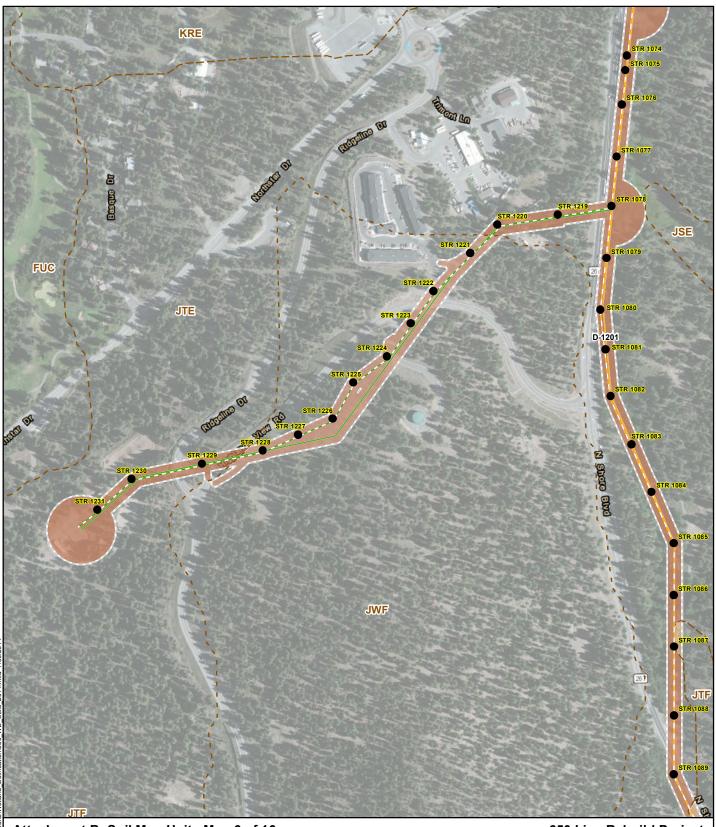
The second







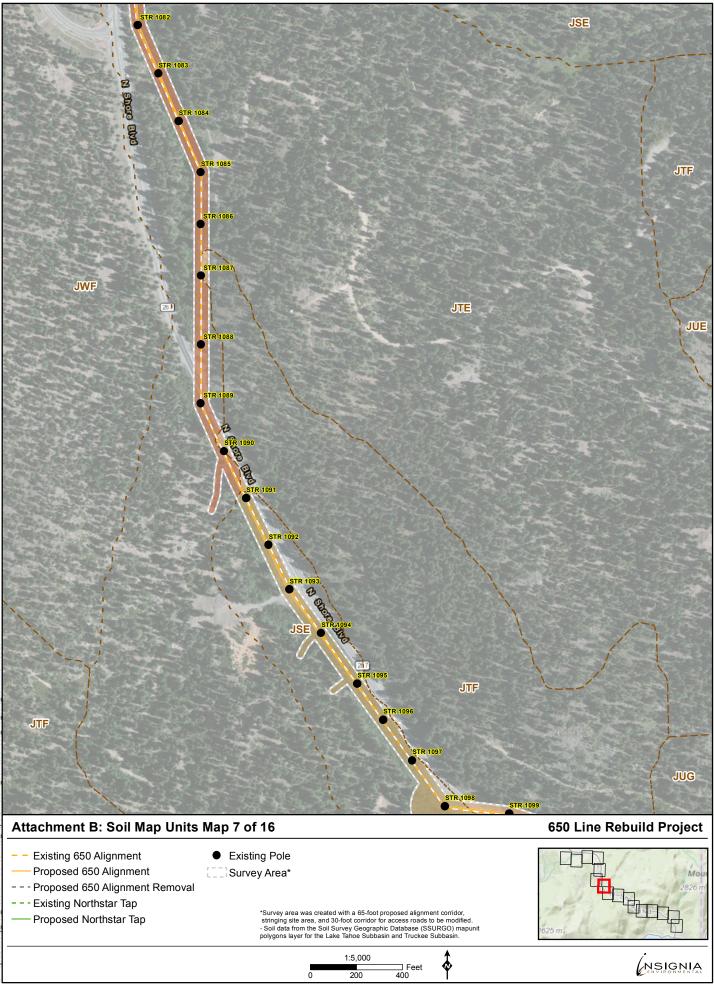


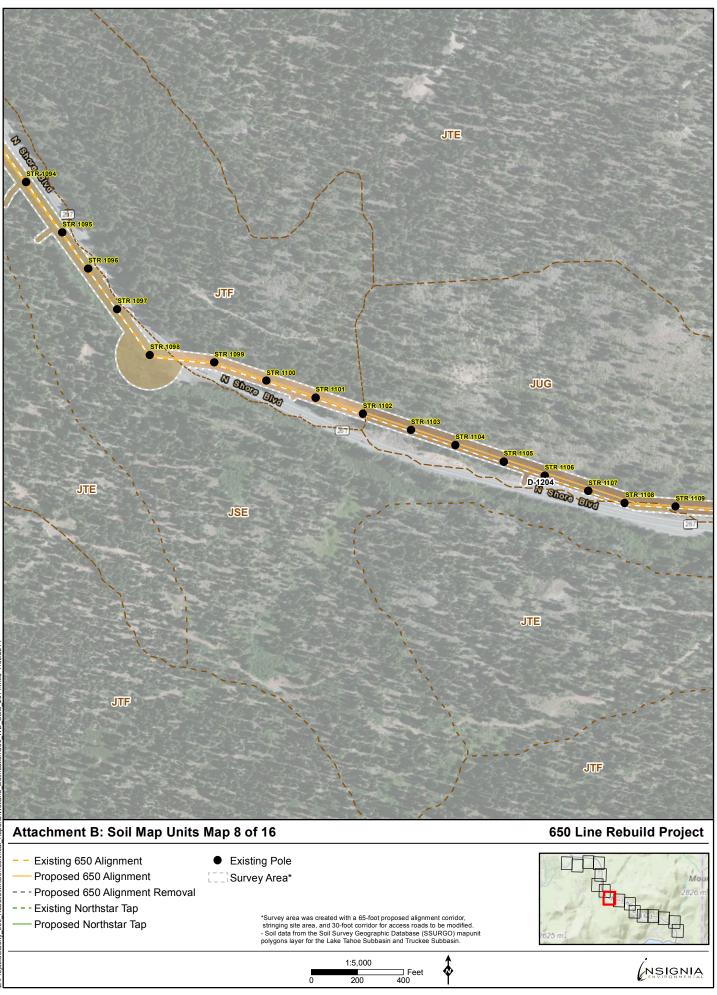


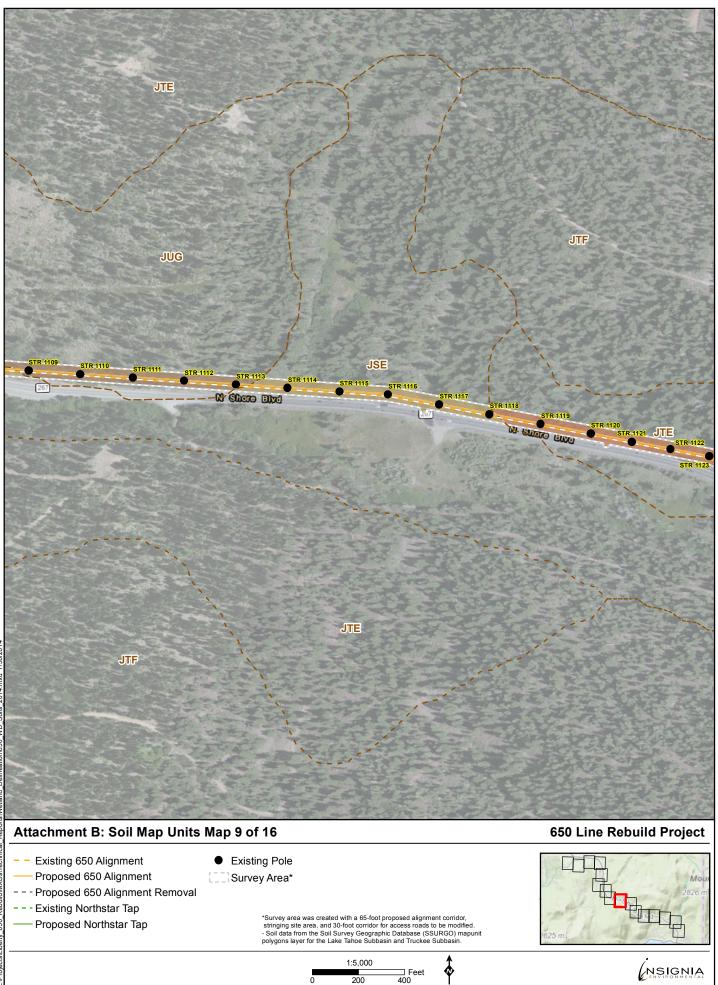


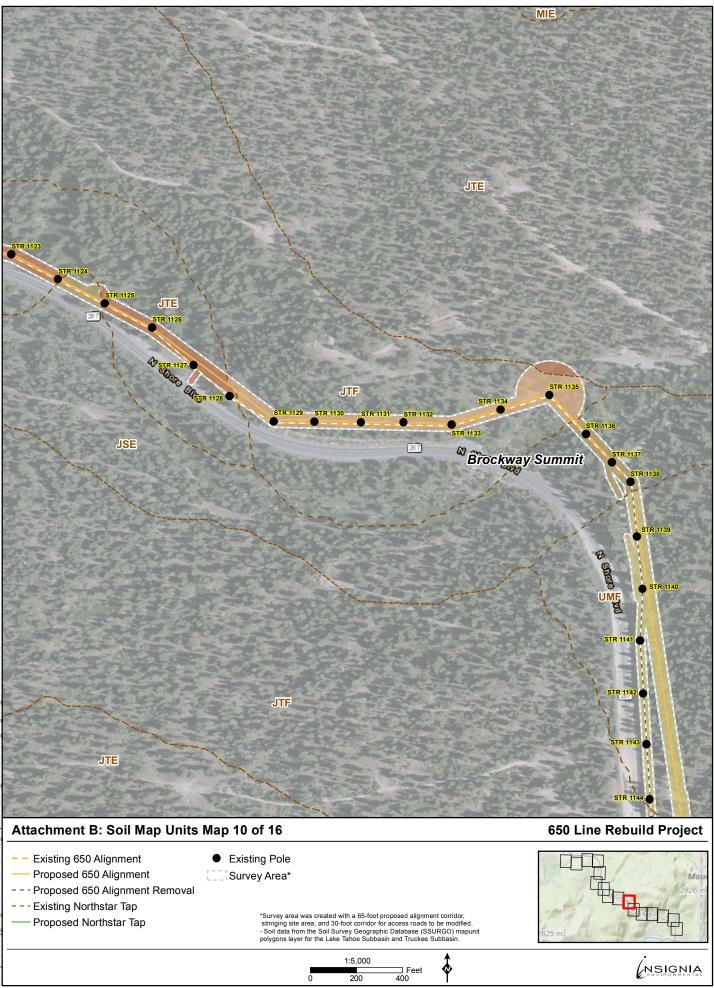
Attachment B: Soil Map Units Map 6 of 16 650 Line Rebuild Project Existing 650 Alignment Existing Pole Proposed 650 Alignment Survey Area* - - - Proposed 650 Alignment Removal - - - Existing Northstar Tap *Survey area was created with a 65-foot proposed alignment corridor, stringing site area, and 30-foot corridor for access roads to be modified. - Soil data from the Soil Survey Geographic Database (SSURGO) mapunit polygons layer for the Lake Tahoe Subbasin and Truckee Subbasin. Proposed Northstar Tap 1:5,000 ¢ Feet 400

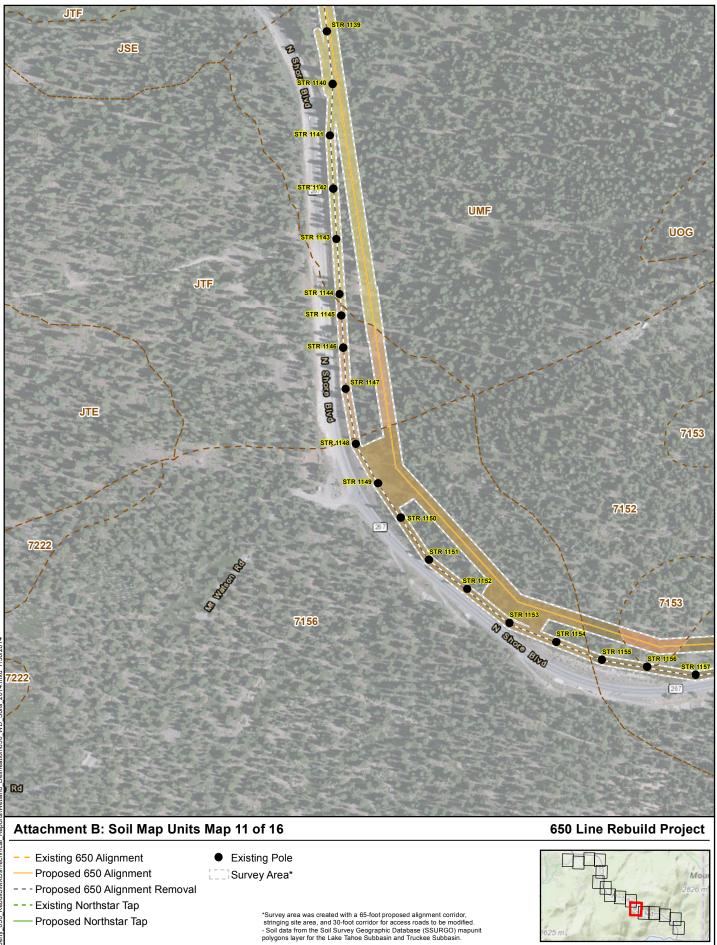
200











1:5,000

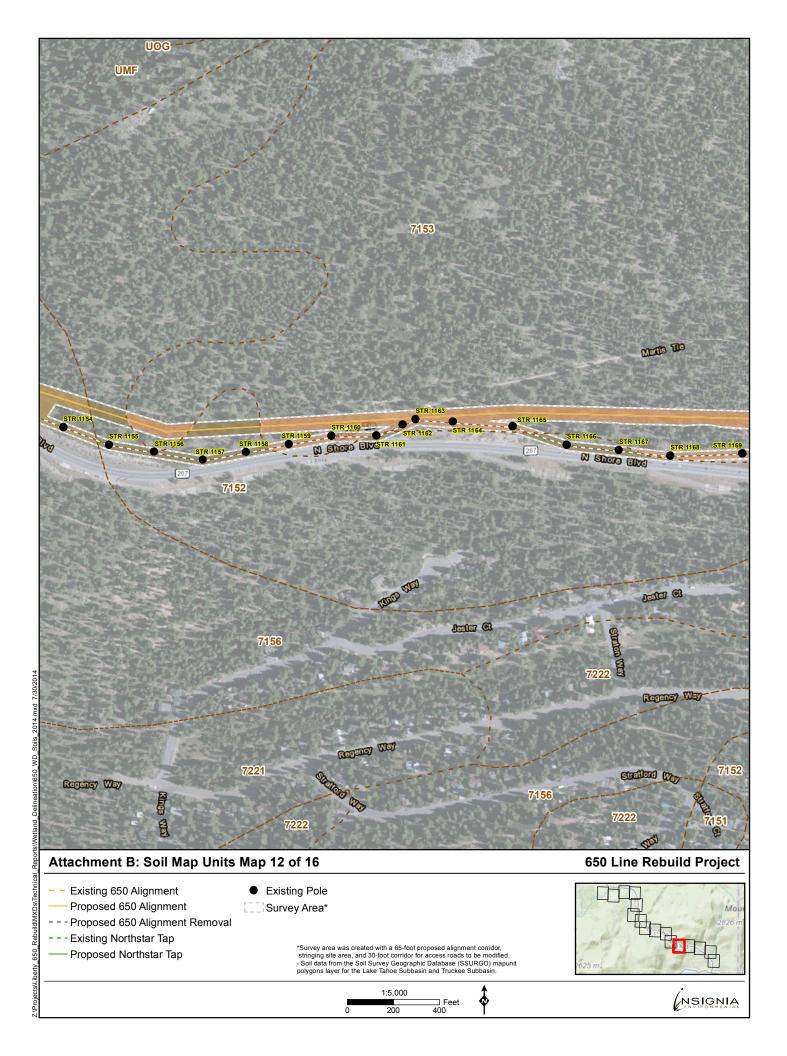
200

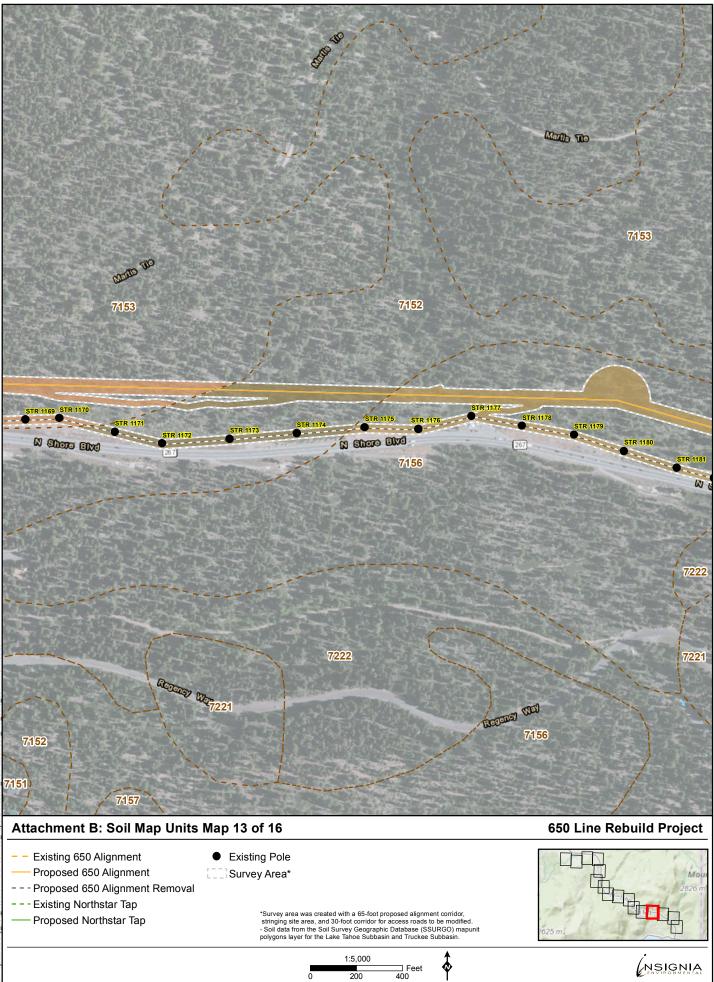
0

¢

Feet 400

50







Attachment B: Soil Map Units Map 14 of 16

- Existing 650 Alignment
- Proposed 650 Alignment
- - Proposed 650 Alignment Removal
- - Existing Northstar Tap
- Proposed Northstar Tap
- Existing Pole
- Survey Area*

*Survey area was created with a 65-foot proposed alignment corridor, stringing site area, and 30-foot corridor for access roads to be modified. - Soil data from the Soil Survey Geographic Database (SSURGO) mapunit polygons layer for the Lake Tahoe Subbasin and Truckee Subbasin.

\$

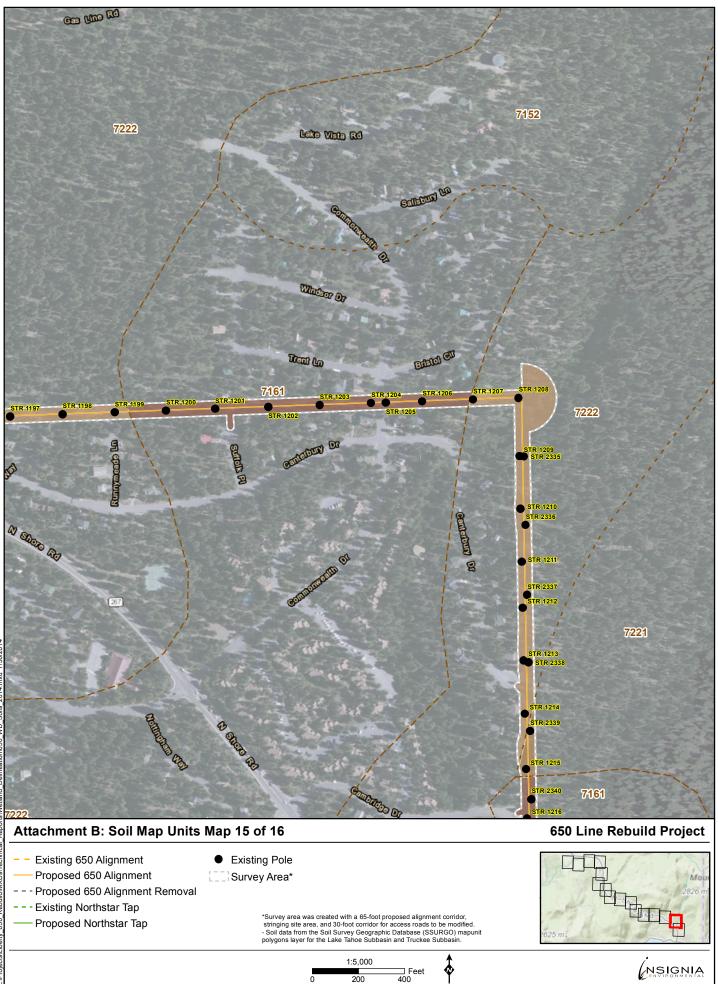
Feet 400

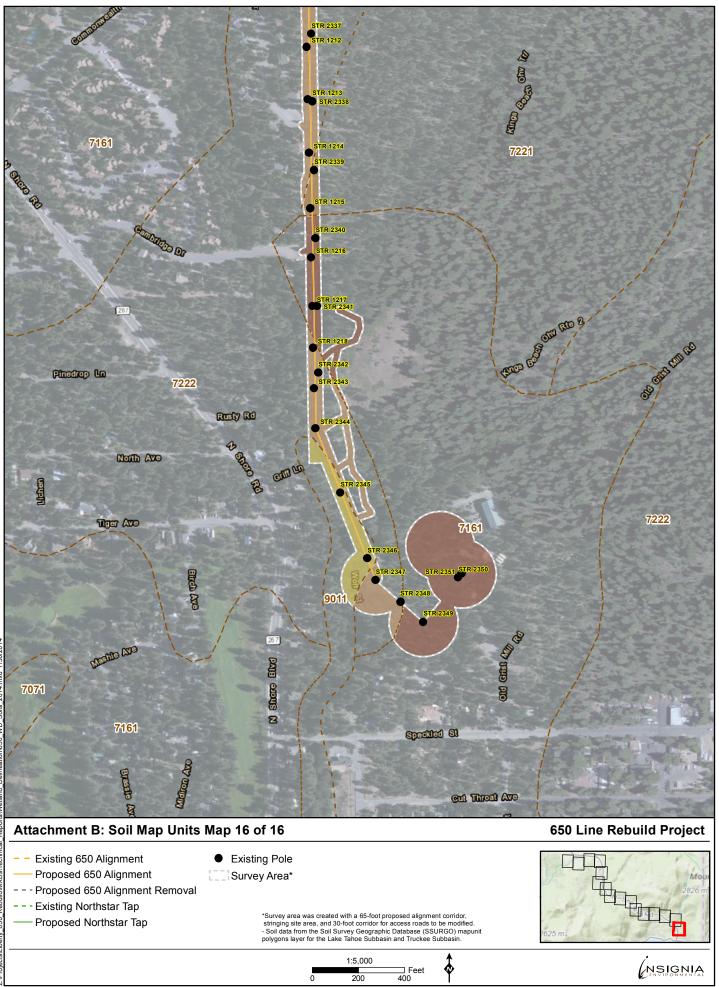
1:5,000

200









ATTACHMENT C: WETLAND DATA FORMS

Project Site:	<u>Line 650</u>	Rebuil	<u>d Project (Phase</u>	e 1A)		С	ity/County:	Unir	corpo	rated/PI	lacer	Sampling D	Date:	06/0)9/20 ⁻	14
Applicant/Owner:	Liberty U	tilities	CalPeco Electri	<u>c)</u>						State:	CA	Sampling F	oint:	101	uplar	nd
Investigator(s):	S. Inneck	ken, I. d	de Geofroy, S. C	reer, J.	Hale			S	ection,	Towns	hip, Rang	e: <u>21,17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.): _				Local reli	ef (concave	e, conve	ex, nor	ne): _			Slop	be (%):		
Subregion (LRR):	MLRA 2	22A		Lat	39.29983			Long:	<u>-120.</u>	1414			Datum:	WGS8	<u>4</u>	
Soil Map Unit Name:	Euer-M	artis va	ariant complex, 2	2 to 5 pe	ercent slopes					I	NWI class	ification:	<u>N/A</u>			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	or this ti	me of year?	Yes		No	\boxtimes	(If no,	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	rcumst	tances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, ।	naturally proble	ematic?	(If need	ed, exp	lain ar	ny answ	ers in Rer	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No										
Hydric Soil Present?			No		Is the Sampled Area within a Wetland?	Yes		No	\boxtimes				
Wetland Hydrology Present?	Yes	\boxtimes	No										
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72													

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:	
1				Number of Dominant Species	、
2				That Are OBL, FACW, or FAC: 3 (A)	/
3				Total Number of Dominant	、
4				Species Across All Strata: <u>3</u> (B)	/
50% =, 20% =		= Total Cover	·	Percent of Dominant Species 100 (A/	/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	D)
1. <u>Artemisia tridentata</u>	<u>5</u>	yes	NL (UPL)	Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% = <u>2.5</u> , 20% = <u>1</u>	<u>5</u>	= Total Cover		FACU species x4 =	
Herb Stratum (Plot size: 1 sq. m.)				UPL species x5 =	
1. <u>Carex angustata</u>	<u>20</u>	<u>yes</u>	FACW	Column Totals: (A) (B)	ļ
2. <u>Agrostis idahoensis</u>	<u>20</u>	<u>yes</u>	FACW	Prevalence Index = B/A =	ļ
3. <u>Carex athrostachya</u>	<u>10</u>	no	FACW	Hydrophytic Vegetation Indicators:	
4. <u>Carex praegracilis</u>	<u>5</u>	<u>no</u>	FACW	1 – Rapid Test for Hydrophytic Vegetation	ļ
5. <u>Polygonum aviculare</u>	<u>5</u>	no	FAC	☑ 2 - Dominance Test is >50%	
6. Juncus balticus	<u>2</u>	no	FACW	□ 3 - Prevalence Index is $\leq 3.0^1$	
7. <u>Deschampsia danthonioides</u>	<u>2</u>	no	FACW	4 - Morphological Adaptations ¹ (Provide supporting	ļ
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	ļ
10				Problematic Hydrophytic Vegetation ¹ (Explain)	ļ
11					
50% = <u>32</u> , 20% = <u>12.8</u>	<u>64</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	
50% =, 20% =		= Total Cover	·	Vegetation Yes ⊠ No □ Present?	1
% Bare Ground in Herb Stratum 36					
Remarks:					

SOIL Sampling Point: 101 upland														
Profile Desc	ription: (Describe t	o the depth	n needed to d	locument the	indicator	or confir	m the absend	ce of	indicato	rs.)				
Depth	Matrix			Re	dox Featur	es								
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			Remark	S	
0-12	10yr 3/3	100	=		: -	-	:	Ī	loamy sa	nd	_			
			. <u> </u>								_			
											_			
											_			
											_			
											_			
											_			
											_			
¹ Type: C= Co	oncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=Cove	ed or Coat	ed Sand (Grains. ²	² Locat	tion: PL=	Pore Lining	, M=Matrix			
Hydric Soil I	ndicators: (Applica	able to all L	RRs, unless	otherwise no	ted.)				Indic	ators for P	roblematic	Hydric S	Soils ³ :	
Histoso	ol (A1)			Sandy Red	ox (S5)					2 cm Muc	k (A10)			
Histic E	Epipedon (A2)			Stripped Ma	atrix (S6)					Red Pare	nt Material (TF2)		
Black H	Histic (A3)			Loamy Muc	ky Mineral	(F1) (exc	ept MLRA 1))		Very Shal	low Dark Su	urface (T	F12)	
□ Hydrog	jen Sulfide (A4)			Loamy Gley	ed Matrix	(F2)				Other (Ex	plain in Rem	narks)		
Deplet	ed Below Dark Surfa	ace (A11)		Depleted M	atrix (F3)									
□ Thick □	Dark Surface (A12)			Redox Darl	surface (F	-6)								
□ Sandy	Mucky Mineral (S1)			Depleted D	ark Surface	e (F7)					Irophytic veg			
□ Sandy	Gleyed Matrix (S4)			Redox Dep	ressions (F	8)					logy must b ed or proble		nt,	
Restrictive L	ayer (if present):								u			indio.		
Type:														
Depth (inche	s):						Hydric Soils	Pres	ent?		Yes		No	\boxtimes
Remarks:	No redox features	visible in soi	Ι.				-							

Wetl	etland Hydrology Indicators:													
Prim	ary Indicators (minimum	of one r	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more require	ed)			
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)				
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)				
	Saturation (A3)					Salt Crust (B11)		\boxtimes	Drainage Patterns (B	10)				
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)				
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on	Aerial Image	ery (C9)			
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	23)	\boxtimes	Geomorphic Position	(D2)				
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)				
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)				
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D6) (LRR A))			
	Inundation Visible on A	Aerial Im	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)				
	Sparsely Vegetated C	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): W	Vetland	d Hyd	drology Present?	Yes	🛛 No			
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:	:							
Rem	arks: Ephemeral flo	w does r	not supp	ort hyd	ric soils	δ.								

Project Site:	<u>650 Line</u>	e Rebuil	d Project (Phase	e 1A)		C	ity/County:	<u>Unir</u>	corpo	rated/Placer	Sampling D	Date:	06/0)9/20 ⁻	14
Applicant/Owner:	Liberty L	Jtilities	(CalPeco Electri	<u>c)</u>						State: (CA	Sampling F	Point:	102	uplar	nd
Investigator(s):	I. de Geo	ofroy,S.	Innecken, S. C	reer, J.	Hale			S	ection,	Township, Ra	nge: <u>21,171</u>	N, 17E			
Landform (hillslope, ter	race, etc	.):				Local reli	ief (concave	e, conve	ex, nor	ne):		Slo	be (%):		
Subregion (LRR):	MLRA	<u>22A</u>		Lat	<u>39.29983</u>			Long:	<u>-120.</u>	.1414		Datum:	WGS	<u>4</u>	
Soil Map Unit Name:	Euer-M	/lartis va	ariant complex, 2	2 to 5 p	ercent slopes					NWI cla	ssification:	N/A			
Are climatic / hydrologi	c conditio	ons on t	the site typical fo	or this ti	me of year?	Yes		No	\boxtimes	(If no, explain	in Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	turbed?	Are "No	ormal Ci	rcums	tances" presen	?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	led, exp	lain ar	ny answers in R	emarks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No										
Hydric Soil Present?			No		Is the Sampled Area within a Wetland?	Yes		No	\boxtimes				
Wetland Hydrology Present?	Yes		No	\boxtimes									
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72													

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species		(0)
2				That Are OBL, FACW, or FAC:		(A)
3				Total Number of Dominant		(B)
4				Species Across All Strata: ∠		(Б)
50% =, 20% =		= Total Cover		Percent of Dominant Species		(A/B)
Sapling/Shrub Stratum (Plot size:)				That Are OBL, FACW, or FAC: 100		(7,0)
1				Prevalence Index worksheet:		
2				Total % Cover of: Multipl	<u>y by:</u>	
3				OBL species x1 =		
4				FACW species x2 =		
5				FAC species x3 =		
50% =, 20% =		= Total Cover		FACU species x4 =		
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =		
1. <u>Phleum pratense</u>	<u>50</u>	<u>yes</u>	FAC	Column Totals: (A)		(B)
2. Symphyotrichum spathulatum	<u>15</u>	<u>yes</u>	FAC	Prevalence Index = B/A =		
3. Juncus balticus	<u>10</u>	<u>no</u>	FACW	Hydrophytic Vegetation Indicators:		
4				1 – Rapid Test for Hydrophytic Vegetation		
5				2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide suppor	ting	
8				data in Remarks or on a separate sheet)	0	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Explain)		
11						
50% = <u>37.5</u> , 20% = <u>15</u>	<u>75</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
Woody Vine Stratum (Plot size:)				be present, unless distance of problemate.		
1						
2				Hydrophytic		_
50% =, 20% =		= Total Cover		Vegetation Yes 🖾 Present?	No	
% Bare Ground in Herb Stratum 25						
Remarks:						

SOIL	SOIL Sampling Point: 102 upland													
Profile De	escription: (Describe to	the dept	n needed to d	ocument ti	he indicat	or or conf	irm the absen	nce c	of indicato	ors.)				
Depth	Matrix			F	Redox Fea	itures								
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			Remarks	\$	
<u>0-12</u>	10 YR 4/4	100	:		:	:	- <u>-</u>	• •	sandy cla	ay	_			
				_					100m		_			
											_			
											_			
				-							-			
¹ Type: C=	Concentration, D=Deple	etion. RM=	Reduced Mat	rix. CS=Cov	ered or Co	pated Sand	d Grains.	² Loc	ation: PL=	Pore Lining,	 M=Matrix			
	oil Indicators: (Applical										oblematic	Hydric S	oils ³ :	
•	osol (A1)			Sandy Re	,					2 cm Muc				
	ic Epipedon (A2)				Matrix (S6))					nt Material (TF2)		
	k Histic (A3)				. ,		cept MLRA 1)			low Dark Su	,	F12)	
	rogen Sulfide (A4)				leyed Matr	· / ·		,			plain in Rem)	
	eleted Below Dark Surfac	e (A11)			Matrix (F3	. ,			_	01101 (27		iunio)		
	k Dark Surface (A12)				ark Surface	,								
	dy Mucky Mineral (S1)				Dark Surfa	. ,			³ Indic	ators of hyd	Irophytic veg	etation a	and	
	dy Gleyed Matrix (S4)				epressions	. ,					logy must b		t,	
	ve Layer (if present):			INCOUND OF	pressions	(10)			ur	ness disturb	ed or proble	matic.		
Type:	e Layer (il present).													
Depth (inc							Hydric Soils	e Dre	acont?		Yes		No	
Remarks:	No redox features p	rocont					Hyunc Sons	SFIE	esentr		163		NO	
Remarks.	No redox reatures p	lesent												

Wetla	etland Hydrology Indicators:													
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)			
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	s (B9)				
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)				
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)				
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)				
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on	Aerial Imag	ery (C9)			
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)		Geomorphic Position	(D2)				
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3))				
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)				
Iron Deposits (B5) Recent Iron Reduction in Filled Soils (C6) FAC-Neutral Fest (D5) Surface Soil Cracks (B6) Stunted or Stresses Plants (D1) (LRR A) Reised Ant Mounds (D6) (LRR A)														
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummoo	cks (D7)				
	Sparsely Vegetated Co	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	ation Present? des capillary fringe)	Yes		No		Depth (inches):	Vetland	Нус	drology Present?	Yes		No		
Desc	ribe Recorded Data (stre	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:	:							
Rem	arks: No evidence o	of hydrolc	ogy.											

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		City	//County:	Unin	corpor	ated/Placer	Sampling D	ate:	06/0)9/20 <i>°</i>	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State: <u>CA</u>	Sampling P	oint:	<u>103</u>	uplar	nd
Investigator(s):	I. de Geo	ofroy,S.	Innecken, S. C.	eer, J.	Hale			Se	ection,	Township, Rang	ge: <u>21,17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.): _				Local relief	(concave	e, conve	ex, non	e): <u>concave</u>		Slop	e (%):		
Subregion (LRR):	MLRA 2	22A		Lat	<u>39.297068</u>			Long:	<u>-120.</u>	137291		Datum:	WGS8	4	
Soil Map Unit Name:	<u>Aquolls</u>	and Bo	prolls, 0 to 5 per	cent sl	opes					NWI class	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain in	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dist	turbed?	Are "No	rmal Ci	rcumst	ances" present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	matic?	(If need	ed, expl	lain an	y answers in Re	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes		No	\boxtimes									
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes				
Wetland Hydrology Present?	Yes		No	\boxtimes									
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72													

marks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfail for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:			
1				Number of Dominant Species	<u>1</u>		(A)
2				That Are OBL, FACW, or FAC:	1		(~)
3				Total Number of Dominant	2		(B)
4				Species Across All Strata:	_		()
50% =, 20% =		= Total Cover		Percent of Dominant Species That Are OBL, FACW, or FAC:	50		(A/B)
Sapling/Shrub Stratum (Plot size:)							
1				Prevalence Index worksheet:			
2				Total % Cover of:	Multiply		
3				OBL species <u>0</u>	x1 =	<u>0</u>	
4				FACW species <u>5</u>	x2 =	<u>10</u>	
5				FAC species 20	x3 =	<u>60</u>	
50% =, 20% =		= Total Cover		FACU species <u>0</u>	x4 =	<u>0</u>	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species <u>15</u>	x5 =	<u>75</u>	
1. <u>Navarettia intertexta</u>	<u>20</u>	<u>yes</u>	FAC	Column Totals: <u>40</u> (A)		<u>145</u> (B)	
2. Polygonum polygaloides	<u>5</u>	no	FACW	Prevalence Index = B/A =	<u>3.62</u>		
3. Epilobium brachycarpum	<u>10</u>	<u>yes</u>	NL (UPL)	Hydrophytic Vegetation Indicators:			
4. <u>Agoseris grandiflora</u>	<u>5</u>	no	<u>NL (UPL)</u>	□ 1 – Rapid Test for Hydrophytic Vegetation	on		
5				2 - Dominance Test is >50%			
6				□ 3 - Prevalence Index is $\leq 3.0^1$			
7				4 - Morphological Adaptations ¹ (Provide		ing	
8				data in Remarks or on a separate sh	eet)		
9				5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)		
11							
50% = <u>20</u> , 20% = <u>8</u>	<u>40</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	jy must		
Woody Vine Stratum (Plot size:)							
1							
2				Hydrophytic			_
50% =, 20% =		= Total Cover		Vegetation Yes Present?		No	\boxtimes
% Bare Ground in Herb Stratum 60				- reserve			
Remarks:							

SOIL													
Profile Desc	ription: (Describe t	o the depth	needed to d	ocument the indi	cator or confi	m the absence	of indicato	ors.)					
Depth	Matrix			Redox	Features								
(inches)	Color (moist)	%	Color (mo	oist) %	Type ¹	Loc ²	Texture			Remarks	5		
0-6	10 YR 4/4	100					sandy cla	ay					
							loom						
¹ Type: C= Co	oncentration, D=Depl	etion, RM=	Reduced Mati	ix, CS=Covered o	r Coated Sand	Grains. ² Lo	ocation: PL=	Pore Lining,	M=Matrix				
	ndicators: (Applica							ators for Pro		Hvdric S	ioils ³ :		
☐ Histoso				Sandy Redox (S				2 cm Muck					
Histic E	pipedon (A2)			Stripped Matrix ((S6)			Red Paren	t Material (TF2)			
Black H	listic (A3)			Loamy Mucky M	lineral (F1) (ex	cept MLRA 1)		Very Shall	ow Dark Su	Irface (TI	F12)		
□ Hydrog	en Sulfide (A4)			Loamy Gleyed N	/latrix (F2)			Other (Exp	lain in Rem	arks)			
Deplete	ed Below Dark Surfa	ce (A11)		Depleted Matrix	(F3)								
Thick D	ark Surface (A12)			Redox Dark Surf	face (F6)								
□ Sandy	Mucky Mineral (S1)			Depleted Dark S	Surface (F7)			ators of hydr		,			
□ Sandy	Gleyed Matrix (S4)			Redox Depressi	ons (F8)						t,		
Restrictive L	ayer (if present):												
Type:													
Depth (inches	s):					Hydric Soils P	resent?		Yes		No	\boxtimes	
Remarks:	No redox features;	compacted;	contains grav	vel fill	ľ								
Sandy Sandy Sandy Restrictive L Type: Depth (inchestion)	Mucky Mineral (S1) Gleyed Matrix (S4) .ayer (if present): 	compacted;		Depleted Dark S Redox Depressi	Surface (F7)	Hydric Soils P	we ur	ators of hydr etland hydrol lless disturbe	ogy must be d or proble	e presen matic.	ıt,		

Wetla	and Hydrology Indicate	ors:											
Prima	ary Indicators (minimum	of one r	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more require	ed)		
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)			
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)			
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)			
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)			
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Image	ery (C9)		
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots ((C3)	\boxtimes	Geomorphic Position	(D2)			
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)			
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)			
	Surface Soil Cracks (E	36)					Raised Ant Mounds (D6) (LRR A)				
	Inundation Visible on A	Aerial Im	agery (I	37)	\boxtimes	Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)			
	Sparsely Vegetated C	oncave S	Surface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	Nater Table Present? Yes No Saturation Present? Yes No includes capillary fringe) Yes No					Depth (inches):	Wetlan	d Hyo	trology Present?	Yes	🖾 No	•	
Desc	ribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available	e:						
Rema	arks: Topographic c	lepressic	on.										

Project Site:	650 Line I	Rebuil	d Project (Phase	e 1A)		Cit	y/County:	ty: <u>Unincorporated/Placer</u> Sar				Sampling D	ate:	06/0	<u>)9/20</u>	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State:	CA	Sampling P	oint:	104	uplar	nd
Investigator(s):	I. de Geof	froy,S.	Innecken, S. Ci	reer, J.	Hale			S	ection,	Townsh	iip, Rang	e: <u>21, 17N</u>	l <u>, 17E</u>			
Landform (hillslope, ter	race, etc.)	: _				Local relie	f (concave	e, conve	x, non	e): <u>n</u> e	one		Slop	e (%):		
Subregion (LRR):	MLRA 2	2A		Lat:	39.297067			Long:	-120.1	137386			Datum:	WGS8	<u>84</u>	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	pes					N	WI class	ification:	Freshwa wetland		nerge	<u>nt</u>
Are climatic / hydrologi	c conditior	ns on tl	he site typical fo	r this tir	ne of year?	Yes		No	\boxtimes	(If no, e	xplain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, s	ignificantly dist	turbed?	Are "No	rmal Ci	rcumsta	ances" p	present?		Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, r	naturally proble	matic?	(If need	ed, exp	lain an	y answe	rs in Rer	narks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes		No		Is the Sampled Area within a Wetland?	Yes	No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes				
						-		

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size:)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:			
1				Number of Dominant Species			(4)
2				That Are OBL, FACW, or FAC:	<u>1</u>		(A)
3				Total Number of Dominant	2		(B)
4				Species Across All Strata:	<u>2</u>		(D)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	50		(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	<u></u>		()
1. <u>Artemisia tridentata</u>	<u>5</u>	<u>yes</u>	<u>NL (UPL)</u>	Prevalence Index worksheet:			
2				Total % Cover of:	Multiply	<u>vby:</u>	
3				OBL species <u>10</u>	x1 =	<u>10</u>	
4				FACW species <u>90</u>	x2 =	<u>180</u>	
5				FAC species <u>0</u>	x3 =	<u>0</u>	
50% = <u>2.5</u> , 20% = <u>1</u>	<u>5</u>	= Total Cove	r	FACU species <u>0</u>	x4 =	<u>0</u>	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species 5	x5 =	<u>25</u>	
1. <u>Carex angustata</u>	<u>90</u>	<u>yes</u>	FACW	Column Totals: <u>105</u> (A)		<u>215</u> (B)	
2. <u>Juncus baliticus</u>	<u>10</u>	no	<u>OBL</u>	Prevalence Index = B/A =	= <u>2.05</u>		
3				Hydrophytic Vegetation Indicators:			
4				1 – Rapid Test for Hydrophytic Vegetat	ion		
5				2 - Dominance Test is >50%			
6				\square 3 - Prevalence Index is $\leq 3.0^1$			
7				4 - Morphological Adaptations ¹ (Provide	∋support ⁱ	ing	
8				data in Remarks or on a separate sh	neet)	-	
9				5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (E	Explain)		
11							
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	gy must		
Woody Vine Stratum (Plot size:)							
1							
2				Hydrophytic			_
50% =, 20% =		= Total Cove	r	Vegetation Yes 🖾 Present?		No	
% Bare Ground in Herb Stratum 0							
Remarks:							-

SOIL														
Profile I	Description: (Describe to	o the dept	n needed to d	locumen	t the indicat	or or conf	firm the absen	nce	of indicato	rs.)				
Dept	h Matrix				Redox Fea	atures								
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			Remarks	6	
<u>0-12</u>	<u>10 YR 2/2</u>	<u>98</u>	10 YR 5/	/8	1	CS	M	-	loamysa	nd				
			<u>10 YR 6</u> /	/8	<u>1</u>	<u>CS</u>	M							
¹ Type: C	= Concentration, D=Depl	etion, RM=	Reduced Mati	rix, CS=C	overed or C	oated Sand	d Grains.	² Loc	cation: PL=	Pore Lining	g, M=Matrix			
Hydric S	Soil Indicators: (Applica	ble to all L	RRs, unless	otherwis	e noted.)				Indic	ators for F	Problematic I	lydric S	oils³:	
🗆 His	stosol (A1)			Sandy	Redox (S5)					2 cm Mu	ick (A10)			
🗆 His	stic Epipedon (A2)			Strippe	d Matrix (S6)				Red Pare	ent Material (TF2)		
🗆 Bla	ack Histic (A3)			Loamy	Mucky Mine	ral (F1) (e)	cept MLRA 1)		Very Sha	allow Dark Su	rface (TI	-12)	
🗆 Ну	/drogen Sulfide (A4)			Loamy	Gleyed Mat	rix (F2)				Other (E	xplain in Rem	arks)		
🗆 De	epleted Below Dark Surface	ce (A11)		Deplete	ed Matrix (F3	3)								
🗆 Th	nick Dark Surface (A12)			Redox	Dark Surfac	e (F6)								
🗆 Sa	andy Mucky Mineral (S1)			Deplete	ed Dark Surf	ace (F7)				,	drophytic veg			
🗆 Sa	andy Gleyed Matrix (S4)			Redox	Depressions	s (F8)					ology must be bed or proble		t,	
Restrict	ive Layer (if present):										•			
Туре:														
Depth (ir	nches):						Hydric Soils	s Pr	esent?		Yes		No	\boxtimes
Remarks	5:													

Wetla	and Hydrology Indicat	ors:									
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)	S	econdary Indicators (2 or	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		Saturation Visible on	Aerial Imag	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🗆	Geomorphic Position	(D2)		
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3))		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (E	36)			Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (I	D6) (LRR A)		
	Inundation Visible on	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummoo	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)							
Field	Observations:										
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):					
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):					
	ration Present? Ides capillary fringe)	Yes		No	\boxtimes	Depth (inches): We	etland H	lydrology Present?	Yes	🗆 No	
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:					
Rem	arks:										

Project Site:	650 Line R	ebuild I	Project (Phase	e 1A)		С	ity/County:	Unin	corpo	ated/Pla	acer	Sampling D	ate:	06/	09/20	14
Applicant/Owner:	Liberty Utili	ities (Ca	alPeco Electri	<u>c)</u>						State:	CA	Sampling P	oint:	104	wet	
Investigator(s):	I. de Geofr	oy,S. Ir	necken, S. Ci	reer, J.	Hale			Se	ection,	Townsh	hip, Rang	ge: <u>21,17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.):					Local reli	ef (concav	e, conve	ex, nor	ie): _			Slop	e (%):		
Subregion (LRR):	MLRA 22	A		Lat:	<u>39.297068</u>			Long:	<u>-120.</u>	137291			Datum:	WGS	34	
Soil Map Unit Name:	<u>Aquolls a</u>	ind Bord	olls, 0 to 5 per	cent slo	pes					١	WI class	sification:	Freshw wetland		nerge	nt
Are climatic / hydrologi	c conditions	s on the	site typical fo	or this tir	me of year?	Yes		No	\boxtimes	(If no, e	explain ir	n Remarks.)				
Are Vegetation \Box ,	Soil [□, o	r Hydrology	□, s	significantly dis	sturbed?	Are "No	ormal Ci	rcumst	ances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil [□, or Hydrology □, naturally pro				blematic? (If needed, explain any answers in Remarks.)			marks.)							

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes	\boxtimes	No	Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No					

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size:)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:		
1				Number of Dominant Species		(4)
2				That Are OBL, FACW, or FAC:		(A)
3				Total Number of Dominant		
4				Species Across All Strata: 2		(B)
50% =, 20% =		= Total Cover		Percent of Dominant Species 100		(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:		(7,0)
1. <u>Salix geyeriana</u>	<u>5</u>	yes	FACW	Prevalence Index worksheet:		
2				Total % Cover of: Multip	oly by:	
3				OBL species x1 =		
4				FACW species x2 =		
5				FAC species x3 =		
50% = <u>2.5</u> , 20% = <u>1</u>	<u>5</u>	= Total Cover		FACU species x4 =		
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =		
1. Juncus baliticus	<u>80</u>	yes	FACW	Column Totals: (A)		(B)
2. <u>Penstemon rydbergii</u>	<u>5</u>	no	FACU	Prevalence Index = B/A =		
3. <u>Agrostis idahoensis</u>	<u>5</u>	no	FACW	Hydrophytic Vegetation Indicators:		
4. <u>Potentilla gracilis</u>	<u>10</u>	no	FAC	□ 1 – Rapid Test for Hydrophytic Vegetation		
5				2 - Dominance Test is >50%		
6				\Box 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide suppo	orting	
8				data in Remarks or on a separate sheet)		
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Explain)	1	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.	t	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic		_
50% =, 20% =		= Total Cover		Vegetation Yes 🖾 Present?	No	
% Bare Ground in Herb Stratum 0						
Remarks:						

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOIL										Sampli	ng Point: <u>10</u> 4	wet		
Profile Desc	ription: (Describe te	o the dept	n needed to d	locument	the indicat	or or conf	irm the absen	nce o	f indicato	ors.)				
Depth	Matrix				Redox Fea	itures								
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			Remarks	3	
0-12	<u>10 YR 2/2</u>	92	7.5 YR 4	/6	7	<u>C</u>	M		<u>loamy sa</u>	nd				
			<u>10 YR 4</u>	/8	<u>1</u>	<u>CS</u>	M							
											_			
											_			
											_			
											_			
¹ Type: C= Co	oncentration, D=Depl	letion, RM=	Reduced Mat	rix, CS=Co	vered or Co	bated Sand	d Grains. ²	² Loca	ation: PL=	Pore Lining	, M=Matrix			
Hydric Soil I	ndicators: (Applica	ble to all L	.RRs, unless	otherwise	noted.)				Indic	ators for P	roblematic I	Hydric S	oils ³ :	
Histoso	ol (A1)		\boxtimes	Sandy R	edox (S5)					2 cm Mu	ck (A10)			
Histic E	pipedon (A2)			Stripped	Matrix (S6))				Red Pare	ent Material (TF2)		
Black H	listic (A3)			Loamy M	/lucky Mine	ral (F1) (e >	(cept MLRA 1))		Very Sha	allow Dark Su	rface (T	-12)	
Hydrog	en Sulfide (A4)			Loamy C	Bleyed Matr	ix (F2)				Other (E)	xplain in Rem	arks)		
Deplete	ed Below Dark Surfa	ce (A11)		Depleted	d Matrix (F3)								
Thick D	ark Surface (A12)			Redox D	ark Surface	e (F6)								
Sandy	Mucky Mineral (S1)			Depleted	d Dark Surfa	ace (F7)					drophytic veg plogy must be	·		
□ Sandy	Gleyed Matrix (S4)			Redox D	epressions	(F8)					bed or proble		ι,	
Restrictive L	.ayer (if present):													
Туре:														
Depth (inches	s):						Hydric Soils	s Pre	sent?		Yes	\boxtimes	No	
Remarks:														

Wetla	and Hydrology Indicate	ors:										
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)	\boxtimes	Geomorphic Position	(D2)		
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3))		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)	
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummod	cks (D7)		
	Sparsely Vegetated C	oncave S	urface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ation Present? des capillary fringe)	Yes		No		Depth (inches): W	Vetland	l Hyd	drology Present?	Yes	🖾 No	
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:	:					
Rem	arks:											

Project Site:	<u>650 Line</u>	Rebuil	d Project (Phase	e 1A)		Ci	ty/County:	Unir	ncorpo	rated/Placer	Sampling D	ate:	06/	10/201	14
Applicant/Owner:	Liberty Ut	tilities	(CalPeco Electri	<u>c)</u>						State: CA	Sampling P	oint:	<u>201</u>	uplar	<u>1d 2</u>
Investigator(s):	S. Inneck	en, J.	Hale_					S	ection	, Township, Rar	nge: <u>21, 17N</u>	, 17E			
Landform (hillslope, te	rrace, etc.)): <u>n</u>	neadow			Local relie	ef (concave	e, conve	ex, no	ne): <u>convex</u>		Slop	e (%):	<u>0-1</u>	
Subregion (LRR):	MLRA 2	2A		Lat:	39.296901			Long:	-120	.137341		Datum:	WGS8	84	
Soil Map Unit Name:	<u>Aquolls</u>	and B	orolls, 0 to 5 per	cent slo	opes					NWI cla	ssification:	Freshwa wetland		nerge	<u>nt</u>
Are climatic / hydrolog	ic conditio	ns on t	he site typical fo	or this ti	me of year?	Yes		No	\boxtimes	(If no, explain	in Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	ircums	tances" present	?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□ , ı	naturally proble	ematic?	(If need	led, exp	lain ai	ny answers in R	emarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes	No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No					

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013..

Tree Stratum (Plot size:)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2				That Are OBL, FACW, or FAC: 1	(A)
3				Total Number of Dominant	(B)
4				Species Across All Strata:	(=)
50% =, 20% =		= Total Cover		Percent of Dominant Species 100	(A/B)
<u>Sapling/Shrub Stratum</u> (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply b	<u>y:</u>
3				OBL species x1 =	
4					
5				FAC species x3 =	
50% =, 20% =		= Total Cover		FACU species x4 =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. <u>Juncus baliticus</u>	<u>95</u>	<u>yes</u>	FACW	Column Totals: (A)	(B)
2. <u>Elymus glaucus</u>	<u>5</u>	no	FACU	Prevalence Index = B/A =	
3				Hydrophytic Vegetation Indicators:	
4				1 – Rapid Test for Hydrophytic Vegetation	
5				2 - Dominance Test is >50%	
6				\Box 3 - Prevalence Index is $\leq 3.0^1$	
7				4 - Morphological Adaptations ¹ (Provide supporting	g
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	
50% =, 20% =		= Total Cover		Vegetation Yes I Present?	No 🗆
% Bare Ground in Herb Stratum 0					
Remarks:					

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOIL											Samplin	g Point: <u>201</u>	upland	2	
Profile	Descr	iption: (Describe te	o the depth	n needed to d	ocume	ent the indi	cator or conf	irm the abser	nce of in	dicato	ors.)				
Dep	pth	Matrix				Redox I	Features								
(inche	s)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Т	exture			Remarks	6	
<u>0-</u>	2	organic										_			
<u>2-1</u>	12	7.5 YR 3/3	<u>98</u>	<u>7.5 YR 6</u>	/8	<u>1</u>	<u>C</u>	M		<u>sand</u>		_			
				<u>7.5 YR 5</u>	/8	<u>1</u>	CS	M		<u>sand</u>		_			
												_			
												_			
										-		_			
										-		_			
										-		_			
¹ Type:	C= Cor	ncentration, D=Depl	etion, RM=	Reduced Mati	ix, CS=	=Covered or	r Coated Sand	Grains.	² Locatio	n: PL=	Pore Lining,	M=Matrix			
Hydric	: Soil In	dicators: (Applica	ble to all L	RRs, unless	otherw	vise noted.)				Indic	ators for Pr	oblematic I	Hydric S	oils³:	
	Histosol	(A1)		\boxtimes	Sand	ly Redox (S	5)				2 cm Muc	k (A10)			
	Histic E	pipedon (A2)			Stripp	oed Matrix (S6)				Red Parer	nt Material (TF2)		
	Black H	stic (A3)			Loam	ny Mucky M	ineral (F1) (e)	cept MLRA 1	I)		Very Shall	low Dark Su	rface (TI	-12)	
	Hydroge	en Sulfide (A4)			Loam	ny Gleyed M	Aatrix (F2)				Other (Exp	olain in Rem	arks)		
	Deplete	d Below Dark Surfa	ce (A11)		Deple	eted Matrix	(F3)								
П 1	Thick D	ark Surface (A12)			Redo	ox Dark Surf	ace (F6)								
	Sandy N	/lucky Mineral (S1)			Deple	eted Dark S	urface (F7)				ators of hyd		,		
	Sandy C	Bleyed Matrix (S4)			Redo	ox Depressio	ons (F8)				etland hydrol nless disturbe			t,	
Restrie	ctive La	ayer (if present):										·			
Type:															
Depth	(inches):						Hydric Soils	s Presei	nt?		Yes		No	\boxtimes
Remar	ks:	2-12 inches is grave	elly alluvium	n (gritty sand).	The so	oil texture is	sandy.								

Wetla	and Hydrology Indicat	ors:										
Prima	ary Indicators (minimum	of one re	equired	; check		Sec	ondary Indicators (2 or	more requir	ed)			
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)	\boxtimes	Geomorphic Position	(D2)		
	Algal Mat or Crust (B4	.)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3))		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)	
	Inundation Visible on	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummod	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): W	Vetland	Нус	drology Present?	Yes	🖾 No	
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:	•					
Rem	arks:											

Project Site:	650 Line	Rebuil	d Project (Phase	<u>e 1A)</u>		City	//County:	Unin	corpor	ated/Pla	acer	Sampling D	ate:	06/1	0/201	4
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electric	<u>)</u>						State:	CA	Sampling P	oint:	<u>201</u>	wet	
Investigator(s):	S. Inneck	en, J. I	Hale_					Se	ection,	Townsh	nip, Rang	ge: <u>21,17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.)	: <u>m</u>	neadow			Local relief	(concave	, conve	x, non	e): <u>n</u>	one		Slop	e (%):	<u>0</u>	
Subregion (LRR):	MLRA 2	2A		Lat:	<u>39.296809</u>			Long:	<u>-120.</u>	137346			Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	pes					Ν	WI class	sification:	Freshw wetland		nergei	<u>nt</u>
Are climatic / hydrologi	c conditior	ns on t	he site typical fo	r this tir	me of year?	Yes		No	\boxtimes	(If no, e	explain in	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, s	significantly dist	turbed?	Are "Nor	mal Cir	cumst	ances" p	present?		Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, r	naturally proble	matic?	(If neede	ed, expl	ain an	y answe	ers in Rei	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes	\boxtimes	No	Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No					

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size:)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:	
1 2				Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u>	(B)
 50% =, 20% = Sapling/Shrub Stratum (Plot size:)		= Total Cove	r	Percent of Dominant Species 100 That Are OBL, FACW, or FAC:	(A/B)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =		= Total Cove	r	FACU species x4 =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.)</u>				UPL species x5 =	
1. <u>Carex angustata</u>	<u>45</u>	yes	FACW	Column Totals:(A)	(B)
2. <u>Juncus baliticus</u>	45	yes	FACW	Prevalence Index = B/A =	
3. Montia linearis	7	no	FAC	Hydrophytic Vegetation Indicators:	
4. Symphyotrichum spathulatum	<u>3</u>	no	FAC	1 – Rapid Test for Hydrophytic Vegetation	
5				2 - Dominance Test is >50%	
6				\square 3 - Prevalence Index is <3.0 ¹	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11				¹ Indicators of hydric soil and wetland hydrology must	
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove	r	be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic Vegetation Yes ⊠ No	
50% =, 20% =		= Total Cove	r	Present?	
% Bare Ground in Herb Stratum 0					
Remarks:					

Profile Desc	ription: (Describe to	the depth	h needed to d	ocumer	nt the indicat	or or conf	firm the absen	nce of i	indicato	ors.)				
Depth	Matrix				Redox Fea	atures								
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture		F	Remarks		
0-1.5	organic													
<u>1.5-4.5</u>	7.5 YR 3/2	<u>99</u>	<u>5 YR 5/8</u>	<u>3</u>	<u>1</u>	<u>C</u>	M	lc	bamy sa	nd				
<u>4.5-12</u>	7.5 YR 3/2	<u>55</u>	<u>7.5 YR 5</u>	/8	<u>5</u>	<u>C</u>	M	lc	bamy sa	nd				
			<u>10 YR 2</u> /	<u>'1</u>	<u>40</u>	<u>C</u>	M							
¹ Type: C= Co	oncentration, D=Deple	etion, RM=	Reduced Mat	ix, CS=0	Covered or Co	bated Sand	d Grains. ²	² Locati	on: PL=	Pore Lining, M=	Matrix			
Hydric Soil I	ndicators: (Applical	ole to all L	.RRs, unless	otherwis	se noted.)				Indic	ators for Probl	ematic H	lydric S	oils ³ :	
Histoso	ol (A1)			Sandy	Redox (S5)					2 cm Muck (A	.10)			
Histic E	Epipedon (A2)			Strippe	ed Matrix (S6)				Red Parent M	laterial (T	F2)		
Black H	Histic (A3)			Loamy	/ Mucky Mine	ral (F1) (e)	xcept MLRA 1))		Very Shallow	Dark Su	rface (TF	12)	
□ Hydrog	jen Sulfide (A4)			Loamy	/ Gleyed Mati	rix (F2)				Other (Explain	n in Rem	arks)		
Deplet	ed Below Dark Surfac	e (A11)		Deplet	ted Matrix (F3	3)								
Thick E	Dark Surface (A12)			Redox	Dark Surface	e (F6)								
Sandy	Mucky Mineral (S1)			Deplet	ted Dark Surf	ace (F7)				ators of hydropl				
Sandy	Gleyed Matrix (S4)			Redox	Depressions	; (F8)				etland hydrology less disturbed o			,	
Restrictive L	ayer (if present):										•			
Туре:														
Depth (inche	s):						Hydric Soils	s Prese	ent?		Yes	\boxtimes	No	
Remarks:							1							

HYDROLOGY

Wetl	and Hydrology Indicat	ors:						
Prim	ary Indicators (minimum	of one r	equired	; check	all that	t apply)	S	Secondary Indicators (2 or more required)
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)
	Water Marks (B1)					Aquatic Invertebrates (B13)	C	Dry-Season Water Table (C2)
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9)
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	3) 🗵	Geomorphic Position (D2)
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)	Ľ	Shallow Aquitard (D3)
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)	Ľ	FAC-Neutral Test (D5)
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)
	Inundation Visible on	Aerial Im	agery (l	37)		Other (Explain in Remarks)	C	Frost-Heave Hummocks (D7)
	Sparsely Vegetated C	oncave S	Surface	(B8)				
Field	Observations:							
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):		
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):		
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): W	Vetland H	Hydrology Present? Yes 🛛 No 🗌
Desc	ribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:		
Rem	arks: soil moist							

Sampling Point: 201 wet

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		Ci	ty/County:	Unin	corpo	rated/Placer	Sampling D	ate:	06/	0/201	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State: CA	Sampling P	oint:	<u>204</u>	uplar	nd
Investigator(s):	S. Inneck	ken, . Io	le Geofroy, S. C	reer, .J	. Hale			S	ection,	Township, Rang	ge: <u>21,17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.): _				Local relie	ef (concave	e, conve	ex, nor	ne): <u>none</u>		Slop	oe (%):		
Subregion (LRR):	MLRA 2	22A		Lat	39.296852			Long:	<u>-120.</u>	136864		Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	opes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	rcumst	tances" present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, ।	naturally proble	matic?	(If need	ed, exp	lain ar	iy answers in Re	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No						
emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72									

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size:)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:			
1				Number of Dominant Species	<u>1</u>		(A)
2				That Are OBL, FACW, or FAC:	<u>⊥</u>		(~)
3				Total Number of Dominant	2		(B)
4				Species Across All Strata:	=		(2)
50% =, 20% =		= Total Cover		Percent of Dominant Species	<u>50</u>		(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:			()
1. <u>Artemisia tridentata</u>	<u>15</u>	yes	<u>NL (UPL)</u>	Prevalence Index worksheet:			
2				Total % Cover of:	Multiply	<u>by:</u>	
3				OBL species	x1 =		
4				FACW species <u>94</u>	x2 =	<u>188</u>	
5				FAC species 5	x3 =	<u>15</u>	
50% = <u>7.5,</u> 20% = <u>3</u>	<u>15</u>	= Total Cover		FACU species	x4 =		
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species <u>16</u>	x5 =	<u>80</u>	
1. Juncus balticus	<u>89</u>	<u>yes</u>	FACW	Column Totals: <u>115</u> (A)		<u>283</u> (B)	
2. <u>Potentilla gracilis</u>	<u>5</u>	no	FAC	Prevalence Index = B/A =	2.46		
3. <u>Agrostis idahoensis</u>	<u>5</u>	no	FACW	Hydrophytic Vegetation Indicators:			
4. Lupinus lepidus	1	no	<u>NL (UPL)</u>	1 – Rapid Test for Hydrophytic Vegetation	on		
5				2 - Dominance Test is >50%			
6				3 - Prevalence Index is $\leq 3.0^1$			
7				4 - Morphological Adaptations ¹ (Provide	supportir	ng	
8				data in Remarks or on a separate sh	eet)		
9				5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (E.	xplain)		
11							
50% = <u>50</u> , 20% = <u>5</u>	<u>100</u>	= Total Cover	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	jy must		
Woody Vine Stratum (Plot size:)							
1							
2				Hydrophytic			_
50% =, 20% =		= Total Cover		Vegetation Yes Present?		No	
% Bare Ground in Herb Stratum o							
Remarks:							

Sampling Point: 204 upland Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)													
Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features													
3.													
o 🛛													
)													

Wetla	and Hydrology Indicat	ors:									
Prima	ary Indicators (minimum	of one re	equired	; check	all that	Sec	condary Indicators (2 or i	more require	ed)		
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3))	Geomorphic Position	(D2)		
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3))		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (I	D6) (LRR A)	
	Inundation Visible on	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummod	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)							
Field	Observations:										
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):					
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):					
	ation Present? des capillary fringe)	Yes		No		Depth (inches): We	tland Hy	drology Present?	Yes	🖾 No	
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:					
Rema	arks:										

Project Site:	<u>650 Line</u>	Rebui	ld Project (Phase	e 1A)		Ci	ty/County:	Unin	corpo	rated/Placer	Sampling I	Date:	06/	10/20 ⁻	14
Applicant/Owner:	Liberty L	Jtilities	(CalPeco Electri	<u>c)</u>						State: CA	Sampling I	Point:	205	uplar	nd (b)
Investigator(s):	<u>IG, SI, S</u>	<u>C, JH</u>						Se	ection	, Township, Ra	nge: <u>21, 17</u>	N, 17E			
Landform (hillslope, ter	race, etc.	.):				Local relie	ef (concave	e, conve	ex, noi	ne): <u>none</u>		Slo	pe (%):		
Subregion (LRR):	MLRA	<u>22A</u>		Lat	: <u>39.296739</u>			Long:	<u>-120</u>	.13297		Datum:	<u>WGS8</u>	34	
Soil Map Unit Name:	Aquolls	and B	orolls, 0 to 5 per	cent sl	opes					NWI cla	ssification:	N/A			
Are climatic / hydrologi	c conditio	ons on	the site typical fo	or this ti	me of year?	Yes		No	\bowtie	(If no, explain	in Remarks.)			
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	rmal Ci	rcums	tances" presen	t?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	led, exp	lain aı	ny answers in R	emarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	s table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	i, 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

This is the eastern boundary of wetland area 205.

<u>Tree Stratum</u> (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:		
1				Number of Dominant Species That Are OBL, FACW, or FAC:	<u>1</u>	(A)
2				markie obe, racw, orrac.		
3 4.				Total Number of Dominant Species Across All Strata:	<u>1</u>	(B)
50% = , 20% =		= Total Cove				
Sol% =, 20% = Sapling/Shrub Stratum (Plot size: 1 sq. m)			1	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>100</u>	(A/B)
1				Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species	x1 =	
4				FACW species	x2 =	
5				FAC species	x3 =	_
50% =, 20% =		= Total Cove	r	FACU species	x4 =	_
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	_
1. Juncus balticus	<u>75</u>	<u>yes</u>	FACW	Column Totals: (A)		(B)
2. <u>Arnica mollis</u>	<u>10</u>	<u>no</u>	FAC	Prevalence Index = B/	A =	
3. <u>Collinsia parviflora</u>	<u>5</u>	no	<u>NL (UPL)</u>	Hydrophytic Vegetation Indicators:		
4. <u>Penstemon rydbergii</u>	<u>5</u>	no	FACU	□ 1 – Rapid Test for Hydrophytic Vege	etation	
5				2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is ≤3.0 ¹		
7 8				 4 - Morphological Adaptations¹ (Pro data in Remarks or on a separat 		
				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation	1 ¹ (Explain)	
11						
50% = <u>50,</u> 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydri be present, unless disturbed or problemation		
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic	57	_
50% =, 20% =		= Total Cove	r	Vegetation Yes Present?	No No	
% Bare Ground in Herb Stratum						
Remarks:				1		

SOIL									Sampling	Point: <u>205 u</u>	pland (b)	
Profile D	Description: (Describe t	o the depth	needed to	document	the indicate	or or conf	irm the absend	ce of indicat	ors.)				
Dept	n Matrix				Redox Fea	tures							
(inches)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	Texture		F	Remarks	;	
<u>0-8</u>	<u>10 YR 2/2</u>	100	-			=		loamy s	and	_			
				_						_			
				-						_			
				-						_			
				-						_			
				-						_			
				-						_			
				-						_			
¹ Type: C	= Concentration, D=Dep	letion, RM=	Reduced Mat	trix, CS=Co	overed or Co	ated Sand	d Grains. ² L	Location: PL	=Pore Lining,	, M=Matrix			
Hydric S	oil Indicators: (Applica	ble to all L	RRs, unless	otherwise	e noted.)			Indi	cators for Pr	roblematic H	łydric S	oils³:	
🗆 His	stosol (A1)		\boxtimes	Sandy F	Redox (S5)				2 cm Muc	k (A10)			
🗆 His	stic Epipedon (A2)			Stripped	d Matrix (S6)				Red Pare	nt Material (T	F2)		
🗆 Bla	ack Histic (A3)			Loamy	Mucky Miner	al (F1) (e)	(cept MLRA 1)		Very Shal	low Dark Su	rface (TF	12)	
🗆 Ну	drogen Sulfide (A4)			Loamy	Gleyed Matri	ix (F2)			Other (Exp	plain in Rem	arks)		
🗆 De	pleted Below Dark Surfa	ce (A11)		Deplete	d Matrix (F3)							
🗆 Th	ick Dark Surface (A12)		\boxtimes	Redox [Dark Surface	e (F6)							
🗆 Sa	indy Mucky Mineral (S1)			Deplete	d Dark Surfa	ace (F7)			icators of hyd /etland hydro				
🗆 Sa	indy Gleyed Matrix (S4)			Redox I	Depressions	(F8)			nless disturb			ι,	
Restrict	ive Layer (if present):												
Туре:													
Depth (ir	nches):						Hydric Soils	Present?		Yes		No	\boxtimes
Remarks													

Wetl	and Hydrology Indicate	ors:							
Prim	ary Indicators (minimum	of one re	equired	; check	Sec	condary Indicators (2 or more required)			
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)	
	High Water Table (A2)	1				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)	
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)	
	Water Marks (B1)			Dry-Season Water Table (C2)					
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on Aerial Imagery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🛛	Geomorphic Position (D2)	
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)	
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)	
	Surface Soil Cracks (B	86)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)	
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)	
	Sparsely Vegetated Co	oncave S	Surface	(B8)					
Field	Observations:								
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):			
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):			
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	Vetland Hy	drology Present? Yes 🛛 No 🗌	
Desc	cribe Recorded Data (stre	eam gau	ge, mor	:					
Rem	arks:								

Project Site:	<u>650 Line</u>	Rebuil	d Project (Phase	e 1A)		Cit	ty/County:	Unin	corpora	ated/Pla	acer	Sampling D	ate:	06/1	0/201	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State:	CA	Sampling P	oint:	<u>204</u>	wet	
Investigator(s):	I. de Geo	ofroy, S	. Creer					Se	ection,	Townsh	hip, Rang	je: <u>21, 17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.)): _				Local relie	f (concave	e, conve	x, none	e): <u>r</u>	none		Slop	e (%):		_
Subregion (LRR):	MLRA 2	22A		Lat	39.296821			Long:	<u>-120.1</u>	36734			Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	pes					١	WI class	sification:	Freshw wetland		nerge	nt
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	or this ti	me of year?	Yes		No	\boxtimes	(If no, e	explain ir	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Cir	cumsta	ances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□ , ı	naturally proble	matic?	(If need	ed, expl	ain any	/ answe	ers in Re	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes	\boxtimes	No	Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No					

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size:)	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator <u>Status</u>	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2				That Are OBL, FACW, or FAC:	(A)
3				Total Number of Dominant	(B)
4				Species Across All Strata:	(0)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species 100	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	(,,,,,)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =		= Total Cove	r	FACU species x4 =	
Herb Stratum (Plot size: 1 sq. m.)				UPL species x5 =	
1. Juncus balticus	<u>37</u>	<u>yes</u>	FACW	Column Totals:(A)(B	,)
2. <u>Carex angustata</u>	<u>30</u>	<u>yes</u>	FACW	Prevalence Index = B/A =	
3. Symphyotrichum spathulatum	<u>15</u>	<u>no</u>	FAC	Hydrophytic Vegetation Indicators:	
4. <u>Agrostis idahoensis</u>	<u>5</u>	no	FACW	1 – Rapid Test for Hydrophytic Vegetation	
5. <u>Potentilla gracilis</u>	<u>5</u>	no	FAC	2 - Dominance Test is >50%	
6				□ 3 - Prevalence Index is $\leq 3.0^1$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>47.5</u> , 20% = <u>19</u>	<u>95</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	_
50% =, 20% =		= Total Cove	r	Vegetation Yes No	
% Bare Ground in Herb Stratum 5					
Remarks:					

SOIL									Sampling	Point: <u>204 v</u>	wet		
Profile Desc	cription: (Describe to	the depth	needed to c	locumer	nt the indicat	tor or conf	firm the absenc	e of indica	tors.)				
Depth	Matrix				Redox Fea	atures							
(inches)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	Texture	9		Remarks	;	
<u>0-12</u>	10 YR 2/2	97	7.5 yr 5/	/8	5	<u>C</u>	M	silty cl		_			
									`	_			
										_			
										_			
										_			
										_			
										_			
										_			
¹ Type: C= C	oncentration, D=Deple	tion, RM=R	educed Mat	rix, CS=0	Covered or C	oated Sand	d Grains. ² L	ocation: PL	=Pore Lining	, M=Matrix			
Hydric Soil	Indicators: (Applicab	le to all LR	Rs, unless	otherwi	se noted.)			Indi	icators for P	roblematic I	Hydric S	oils³:	
Histos	ol (A1)		\boxtimes	Sandy	Redox (S5)				2 cm Muc	ck (A10)			
Histic	Epipedon (A2)			Stripp	ed Matrix (S6	i)			Red Pare	nt Material (TF2)		
Black	Histic (A3)			Loamy	y Mucky Mine	eral (F1) (e x	ccept MLRA 1)		Very Sha	llow Dark Su	urface (TF	12)	
Hydrog	gen Sulfide (A4)			Loamy	y Gleyed Mat	rix (F2)			Other (Ex	plain in Rem	narks)		
Deplet	ed Below Dark Surface	e (A11)		Deple	ted Matrix (F3	3)							
Thick I	Dark Surface (A12)		\boxtimes	Redox	dark Surfac	e (F6)							
Sandy	Mucky Mineral (S1)			Deple	ted Dark Surf	ace (F7)			licators of hyd				
Sandy	Gleyed Matrix (S4)			Redox	Depressions	s (F8)			unless disturb			ι,	
Restrictive	Layer (if present):												
Туре:													
Depth (inche	es):						Hydric Soils F	Present?		Yes	\boxtimes	No	
Remarks:	Ceoncentrations of d	ense redox	are infreque	ent but ov	verall are > 59	%.							

Wetl	and Hydrology Indicat	ors:						
Prim	ary Indicators (minimum	of one re	equired	check	all that	t apply)	See	condary Indicators (2 or more required)
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on Aerial Imagery (C9)
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🖾	Geomorphic Position (D2)
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated C	oncave S	Surface	(B8)				
Field	Observations:							
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):		
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):		
	ation Present? des capillary fringe)	Yes		No		Depth (inches): We	letland Hy	rdrology Present? Yes 🛛 No 🗌
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:		
Rem	arks:							

Project Site:	650 Line Rebu	uild Project (Phase	1A)		Cit	y/County:	Unir	ncorporat	ted/Placer	Sampling	Date:	06/	10/20	14
Applicant/Owner:	Liberty Utilities	(CalPeco Electric	:)					S	State: <u>CA</u>	Sampling	Point:	20	5(a) we	etland
Investigator(s):	<u>S. Innecken, J</u>	. Hale					S	ection, T	ownship,	Range: <u>21, 17</u>	7N, 17E			
Landform (hillslope, te	rrace, etc.):	meadow			Local relief	f (concave	e, conve	ex, none)): <u>none</u>	<u>•</u>	Slop	be (%):		
Subregion (LRR):	MLRA 22A		Lat:	39.296847			Long:	-120.13	35319		Datum:	WGS	34	
Soil Map Unit Name:	Aquolls and I	Borolls, 0 to 5 perc	cent slop	pes					NWI	classification:	Freshv wetland		merge	ent
Are climatic / hydrologi	c conditions on	the site typical for	r this tim	ne of year?	Yes		No	⊠ (lf no, expl	ain in Remarks	.)			
Are Vegetation \Box ,	Soil □,	or Hydrology	□, s	ignificantly dist	turbed?	Are "No	rmal Ci	rcumsta	nces" pres	sent?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil □,	or Hydrology	□, n	aturally proble	matic?	(If need	ed, exp	lain any	answers i	n Remarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes	\boxtimes	No	Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No					

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size:)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species		(4)
2				That Are OBL, FACW, or FAC:	<u>1</u>	(A)
3				Total Number of Dominant	1	(B)
4	;			Species Across All Strata:	<u>1</u>	(B)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	100	(700)
1				Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species x	x1 =	
4	;			FACW species x	x2 =	
5	;			FAC species ×	x3 =	
50% =, 20% =		= Total Cove	r	FACU species x	x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x	x5 =	
1. <u>Carex angustata</u>	<u>95</u>	yes	FACW	Column Totals: (A)		(B)
2. Symphyotrichum spathulatum	<u>5</u>	no	FAC	Prevalence Index = B/A =		
3				Hydrophytic Vegetation Indicators:		
4				□ 1 – Rapid Test for Hydrophytic Vegetation	n	
5				2 - Dominance Test is >50%		
6				\square 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide s	supporting	
8				data in Remarks or on a separate shee	et)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Exp	plain)	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic.	/ must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic	N	_
50% =, 20% =		= Total Cove	r	Vegetation Yes 🖾 Present?	No	
% Bare Ground in Herb Stratum						
Remarks:				·		

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOIL										Sampling Poir	nt: <u>205</u>	i(a) wetla	and	
Profile Desc	ription: (Describe t	o the depth	needed to c	documer	nt the indica	ator or conf	irm the absen	ce of ind	dicate	ors.)				
Depth	Matrix				Redox Fe	eatures								
(inches)	Color (moist)	%	Color (me	oist)	%	Type ¹	Loc ²	Te	exture			Remarks	\$	
<u>0-2</u>	organic	100			:	-		_						
<u>2-12</u>	<u>10 YR 2/1</u>	<u>49</u>	<u>2.5 YR 1</u>	/4	<u>2</u>	D	M	<u>cla</u>	ay loa	<u>n</u>				
<u>2-12</u>	7.5 YR 2.5/2	<u>49</u>						<u>cla</u>	ay loa	<u>n</u>				
								_						
								_						
								_						
								_						
¹ Type: C= Co	oncentration, D=Depl	etion, RM=	Reduced Mat	rix, CS=0	Covered or C	Coated Sand	d Grains. 2	Locatior	ו: PL=	Pore Lining, M=M	atrix			
	ndicators: (Applica									ators for Problen		-lvdric S	oils ³ :	
☐ Histoso					Redox (S5))				2 cm Muck (A10				
Histic E	Epipedon (A2)			Stripp	ed Matrix (S	6)				Red Parent Mat	érial (ΓF2)		
Black H	Histic (A3)			Loam	y Mucky Min	eral (F1) (ex	(cept MLRA 1)			Very Shallow Da	ark Su	rface (TF	-12)	
	gen Sulfide (A4)				y Gleyed Ma	· / ·	• •			Other (Explain i			,	
Deplete	ed Below Dark Surfa	ce (A11)		Deple	ted Matrix (F	-3)								
	Dark Surface (A12)	· · /			x Dark Surfa	,								
	Mucky Mineral (S1)				ted Dark Sur	. ,			³ India	ators of hydrophy	tic veg	etation a	and	
	Gleved Matrix (S4)				x Depression	. ,				etland hydrology m Ness disturbed or p			t,	
	_ayer (if present):					- (-)			u	liess disturbed of j		mauc.		
Туре:														
Depth (inche	e).						Hydric Soils	Presen	nt?	Ņ	/es		No	
Remarks:	Soil is 2-12" moist b	ut not satu	rated									-		
rtomano.		at not outu												
1														

Wetla	and Hydrology Indicat	ors:										
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)	\boxtimes	Geomorphic Position	(D2)		
	Algal Mat or Crust (B4	·)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3))		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)	
	Inundation Visible on	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummoo	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): W	Vetland	Hyo	drology Present?	Yes	🖾 No	
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:						
Rem	arks:											

Project Site:	650 Line	Rebuil	d Project (Phase	<u>= 1A)</u>		Cit	y/County:	Unin	corpo	rated/Placer	Sampling D	Date:	06/1	0/201	4
Applicant/Owner:	Liberty U	tilities	(CalPeco Electric	<u>;)</u>						State: CA	Sampling F	Point:	<u>205</u>	(b) up	land
Investigator(s):	I. de Geo	ofroy, S	. Innecken, J. Ha	ale, S.	Creer			S	ection,	Township, Ran	ge: <u>21,171</u>	N, 17E			
Landform (hillslope, ter	race, etc.): _				Local relief	f (concave	e, conve	ex, nor	ne): <u>none</u>		Slop	e (%):		_
Subregion (LRR):	MLRA 2	22A		Lat	: <u>39.296847</u>			Long:	<u>-120.</u>	135319		Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and B	orolls, 0 to 5 per	cent sl	opes					NWI clas	sification:	<u>N/A</u>			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dist	turbed?	Are "No	rmal Ci	rcums	tances" present?	2	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	matic?	(If need	ed, exp	lain ar	ny answers in Re	emarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

5					Stable for Truckee, the ave annual rainfall for May 2014 is 14 average daily temperature of 48.4 degrees F. and 47 d		<i>'</i>	
Wetland Hydrology Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes	No	\boxtimes
Hydrophytic Vegetation Present?	Yes	\boxtimes	No					

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 20 The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

This is the eastern boundary of wetland area 205.

VEGETATION – Use scientific names of plant	s				
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	
2				That Are OBL, FACW, or FAC: 1 (A)	
3				Total Number of Dominant	
4				Species Across All Strata: <u>1</u> (B)	
50% =, 20% =		= Total Cover	r	Percent of Dominant Species	
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC: <u>100</u> (A/I	D)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =		= Total Cover		FACU species x4 =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. Juncus balticus	<u>75</u>	yes	FACW	Column Totals: (A) (B)	
2. <u>Arnica mollis</u>	<u>10</u>	<u>no</u>	<u>FAC</u>	Prevalence Index = B/A =	
3. <u>Collinsia parviflora</u>	<u>5</u>	no	FACU	Hydrophytic Vegetation Indicators:	
4. Pentstemon rydbergii	<u>5</u>	no	FACU	1 – Rapid Test for Hydrophytic Vegetation	
5. Symphyotrichum spathulatum	<u>5</u>	no	FAC	2 - Dominance Test is >50%	
6				\Box 3 - Prevalence Index is $\leq 3.0^1$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	
50% =, 20% =		= Total Cover	•	Vegetation Yes ⊠ No □ Present?	
% Bare Ground in Herb Stratum 5					
Remarks:					

SOIL										Samp	ling Point: 205	ō(b) upla	nd	
Profile Desc	ription: (Describe t	o the depth	needed to d	ocument the	indicato	or or conf	irm the absen	nce	of indicate	ors.)				
Depth	Matrix			Re	edox Feat	ures								
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			Remarks	5	
<u>0-8</u>	10 YR 2/2	100	-			-		•	loamy sa	nd				
				_										
¹ Type: C= Co	ncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=Cove	red or Co	ated Sand	I Grains.	² Loc	cation: PL=	Pore Linin	ig, M=Matrix			
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless	otherwise no	oted.)				Indic	ators for	Problematic I	Hydric S	oils³:	
Histoso	l (A1)			Sandy Red	lox (S5)					2 cm M	uck (A10)			
Histic E	pipedon (A2)			Stripped M	atrix (S6)					Red Pa	rent Material (TF2)		
Black H	listic (A3)			Loamy Mu	cky Miner	al (F1) (ex	cept MLRA 1)		Very Sh	allow Dark Su	rface (TI	-12)	
□ Hydrog	en Sulfide (A4)			Loamy Gle	yed Matri	x (F2)				Other (E	xplain in Rem	arks)		
Deplete	ed Below Dark Surfa	ce (A11)		Depleted N	latrix (F3)									
Thick D	ark Surface (A12)			Redox Dar	k Surface	(F6)								
□ Sandy	Mucky Mineral (S1)			Depleted D	ark Surfa	ce (F7)					ydrophytic veg rology must be	,		
□ Sandy	Gleyed Matrix (S4)			Redox Dep	ressions	(F8)					rbed or proble		ι,	
Restrictive L	ayer (if present):													
Type:														
Depth (inches	s):						Hydric Soils	s Pr	esent?		Yes		No	\boxtimes
Remarks:														

Wetla	Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required)													
Prima	ary Indicators (minimum	of one re	equired	; check	all tha	t apply)		Sec	ondary Indicators (2 or	more requir	ed)			
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)				
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)				
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)				
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)				
	Sediment Deposits (B	2)				\boxtimes	Saturation Visible on	Aerial Imag	ery (C9)					
	Drift Deposits (B3)				C3)	\boxtimes	Geomorphic Position	(D2)						
	Algal Mat or Crust (B4)					Shallow Aquitard (D3))						
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)				
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A	.)			
	Inundation Visible on	Aerial Ima	agery (I	37)		Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)				
	Sparsely Vegetated C	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	Water Table Present? Yes □ N Saturation Present? Yes □ N includes capillary fringe)					Depth (inches):	Vetland	l Hyd	drology Present?	Yes	🖾 No			
Desc	ribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:	:							
Rem	arks:													

Project Site:	650 Line Rebui	ild Project (Phase	1A)		City	/County:	Unin	corpora	ated/Pla	icer s	Sampling D	Date:	06/	0/201	4
Applicant/Owner:	Liberty Utilities	(CalPeco Electric	<u>)</u>					5	State:	CA	Sampling F	oint:	205	(b) we	tland
Investigator(s):	S. Innecken, J.	Hale					S	ection, T	Townsh	ip, Range	e: <u>21, 171</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.):	meadow			Local relief	(concave	, conve	ex, none	e): <u>no</u>	one		Slop	e (%):		
Subregion (LRR):	MLRA 22A		Lat:	39.296847			Long:	<u>-120.1</u>	<u>35319</u>			Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls and E	Borolls, 0 to 5 perc	ent slo	pes					N	WI classi	fication:	Freshwa wetland		nerger	<u>nt</u>
Are climatic / hydrologi	c conditions on	the site typical for	this tin	ne of year?	Yes		No	⊠ ((If no, e	xplain in	Remarks.)				
Are Vegetation \Box ,	Soil □,	or Hydrology	□, s	ignificantly dist	turbed?	Are "No	rmal Ci	rcumsta	ances" p	oresent?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil □,	or Hydrology	🗆, n	aturally proble	matic?	(If need	ed, exp	lain any	answe	rs in Rerr	narks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes	\boxtimes	No	Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No					

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size:)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species	4	
2				That Are OBL, FACW, or FAC:	<u>1</u>	(A)
3				Total Number of Dominant	1	(B)
4				Species Across All Strata:	<u>⊥</u>	(B)
50% =, 20% =		= Total Cove		Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	100	(//////////////////////////////////////
1				Prevalence Index worksheet:		
2				<u>Total % Cover of:</u>	Multiply by:	
3				OBL species	x1 =	-
4				FACW species	x2 =	-
5				FAC species	x3 =	-
50% =, 20% =		= Total Cove		FACU species	x4 =	-
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	-
1. <u>Carex angustata</u>	<u>95</u>	yes	FACW	Column Totals: (A)		(B)
2. Symphyotrichum spathulatum	<u>3</u>	no	FAC	Prevalence Index = B/A =	:	
3. <u>Stellaria longipes</u>	<u>2</u>	no	FACW	Hydrophytic Vegetation Indicators:		
4				1 – Rapid Test for Hydrophytic Vegeta	tion	
5				2 - Dominance Test is >50%		
6				\Box 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provid	e supporting	
8				data in Remarks or on a separate s	heet)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove		¹ Indicators of hydric soil and wetland hydrolc be present, unless disturbed or problematic.		
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic	1 N-	_
50% =, 20% =		= Total Cove		Vegetation Yes 🛛 Present?	No	
% Bare Ground in Herb Stratum						
Remarks:				·		

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOIL										Sampling Poin	t: <u>205</u>	(b) wetla	and	
Profile Desc	ription: (Describe t	o the depth	needed to c	locumer	nt the indica	ator or conf	irm the absend	ce of inc	dicate	ors.)				
Depth	Matrix				Redox Fe	atures								
(inches)	Color (moist)	%	Color (me	oist)	%	Type ¹	Loc ²	Te	xture		ľ	Remarks	\$	
<u>0-2</u>	organic	100												
<u>2-12</u>	<u>10 YR 2/1</u>	<u>49</u>	<u>2.5 YR 1</u>	/4	2	<u>D</u>	M	<u>cla</u>	ay loa	<u>n</u>				
<u>2-12</u>	7.5 YR 2.5/2	<u>49</u>						<u>cla</u>	ay loa	<u>n</u>				
								-						
								-						
								_						
								_						
								_						
¹ Type: C= Co	oncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=0	Covered or C	Coated Sand	I Grains. ²	Location	: PL=	Pore Lining, M=Ma	trix			
Hydric Soil	ndicators: (Applica	ble to all L	RRs, unless	otherwi	se noted.)					ators for Problem		lydric S	oils ³ :	
Histoso	ol (A1)			Sandy	Redox (S5)					2 cm Muck (A10)		-		
Histic E	Epipedon (A2)			Stripp	ed Matrix (S	6)				Red Parent Mate	rial (T	ΓF2)		
Black I	Histic (A3)			Loamy	/ Mucky Min	eral (F1) (ex	(cept MLRA 1)			Very Shallow Da	rk Su	rface (TI	-12)	
□ Hydrog	gen Sulfide (A4)			Loamy	/ Gleyed Ma	trix (F2)				Other (Explain in	Rem	arks)		
Deplet	ed Below Dark Surfa	ce (A11)		Deple	ted Matrix (F	3)								
Thick [Dark Surface (A12)		\boxtimes	Redox	Dark Surfa	ce (F6)								
□ Sandy	Mucky Mineral (S1)			Deple	ted Dark Sur	face (F7)				ators of hydrophyti				
□ Sandy	Gleyed Matrix (S4)			Redox	Depression	ns (F8)				etland hydrology m nless disturbed or p			t,	
Restrictive I	_ayer (if present):													
Туре:														
Depth (inche	s):						Hydric Soils	Presen	t?	Y	es	\boxtimes	No	
Remarks:	Soil is 2-12" moist b	ut not satu	rated.											

Wetla	Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required)													
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)	\$	Seco	ondary Indicators (2 or	more requir	ed)			
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	s (B9)				
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)				
	Saturation (A3)					Salt Crust (B11)	1		Drainage Patterns (B	10)				
	Water Marks (B1)					Aquatic Invertebrates (B13)	I		Dry-Season Water Ta	able (C2)				
	Sediment Deposits (B	2)]	\boxtimes	Saturation Visible on	Aerial Image	ery (C9)					
	Drift Deposits (B3)				C3) l	\boxtimes	Geomorphic Position	(D2)						
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)	I		Shallow Aquitard (D3))				
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)	I		FAC-Neutral Test (D5	5)				
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)	I		Raised Ant Mounds (I	D6) (LRR A)			
	Inundation Visible on	Aerial Ima	agery (E	37)		Other (Explain in Remarks)	I		Frost-Heave Hummod	cks (D7)				
	Sparsely Vegetated C	oncave S	urface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	Vater Table Present? Yes IN Saturation Present? Yes IN includes capillary fringe) Yes IN					Depth (inches): W	Vetland	Hyc	trology Present?	Yes	🖾 No			
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:								
Rem	arks:													

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		С	ity/County:	<u>Unir</u>	corpo	rated/Placer	Sampling D	ate:	06/	0/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State: CA	Sampling P	oint:	<u>205</u>	uplar	nd
Investigator(s):	I. de Goe	froy, S	. Creer					S	ection,	Township, Rang	ge: <u>21,17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.)): _				Local relie	ef (concave	e, conve	ex, nor	ne): <u>none</u>		Slop	oe (%):		
Subregion (LRR):	MLRA 2	22A		Lat:	39.296812			Long:	<u>-120.</u>	136222		Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	opes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	rcumst	tances" present?)	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□ , ı	naturally proble	matic?	(If need	ed, exp	lain ar	ny answers in Re	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No		Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the NRCS WETS table for Tr	uckee,	the a	ve anr	nual ra	ainfall for May 2014 is 0.67 inches, 1.72 inches for May 20	13. In a	additi	on, th	е

WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species	2	(A)
2				That Are OBL, FACW, or FAC:	2	(A)
3				Total Number of Dominant	2	(B)
4				Species Across All Strata:	<u>-</u>	(8)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:		()
1				Prevalence Index worksheet:		
2				Total % Cover of: <u>N</u>	<u>Multiply by:</u>	
3					x1 =	
4				· · · · · · · · · · · · · · · · · · ·	<2 =	
5					(3 =	
50% =, 20% =		= Total Cove	r	FACU species x	×4 =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species x	×5 =	
1. Juncus balticus	<u>70</u>	yes	FACW	Column Totals: (A)		
2. <u>Carex angustata</u>	<u>20</u>	<u>yes</u>	FACW	Prevalence Index = B/A =	<u></u>	
3. <u>Elymus glaucus</u>	<u>10</u>	<u>no</u>	FACU	Hydrophytic Vegetation Indicators:		
4				1 – Rapid Test for Hydrophytic Vegetation	า	
5				2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide s		
8				data in Remarks or on a separate shee	et)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Exp	olain)	
11				4		
$50\% = \underline{50}, 20\% = \underline{20}$	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic.	must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic Vegetation Yes 🛛	No	
50% =, 20% =		= Total Cove	r	Present?	NO	
% Bare Ground in Herb Stratum 5						
Remarks:						

SO	IL										Sam	pling Point:	205 i	upland		
Prof	file Descr	ription: (Describe t	o the depth	needed to d	locument	the indica	tor or conf	firm the abser	nce o	of indicato	rs.)					
0	Depth	Matrix				Redox Fe	atures									
(inc	hes)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			R	emarks	i	
	0-12	<u>10 YR 2/2</u>	<u>100</u>	=		-	=	=		<u>loamy sa</u>	nd <u>(s</u> i	mall gravel)				
_											_					
_																
_																
_																
_																
_																
_																
1Тур	e: C= Co	ncentration, D=Dep	letion, RM=I	Reduced Mat	rix, CS=Co	overed or C	Coated Sand	d Grains.	² Loc	ation: PL=	Pore Lin	ing, M=Matri	ix			
Hyd	ric Soil Ir	ndicators: (Applica	able to all L	RRs, unless	otherwise	e noted.)				Indic	ators fo	r Problemat	ic Hy	ydric S	oils³:	
	Histoso	I (A1)			Sandy F	Redox (S5)					2 cm N	/luck (A10)				
	Histic E	pipedon (A2)			Stripped	d Matrix (Se	6)				Red P	arent Materi	al (TF	F2)		
	Black H	listic (A3)			Loamy	Mucky Mine	eral (F1) (e x	cept MLRA 1	1)		Very S	hallow Dark	Surf	ace (TF	12)	
	Hydroge	en Sulfide (A4)			Loamy	Gleyed Mat	trix (F2)				Other	(Explain in R	lema	rks)		
	Deplete	ed Below Dark Surfa	ice (A11)		Deplete	d Matrix (F	3)									
	Thick D	ark Surface (A12)			Redox [Dark Surfac	ce (F6)									
	Sandy I	Mucky Mineral (S1)			Deplete	d Dark Sur	face (F7)					hydrophytic				
	Sandy 0	Gleyed Matrix (S4)			Redox [Depression	is (F8)					drology mus urbed or pro			Ι ,	
Res	trictive L	ayer (if present):														
Туре	e:															
Dep	th (inches	s):						Hydric Soil	ls Pre	esent?		Yes	5		No	\boxtimes
Rem	narks:	No evidence of red	OX.													

Wetla	Vetland Hydrology Indicators: rimary Indicators (minimum of one required: check all that apply) Secondary Indicators (2 or more required)													
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)			
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	s (B9)				
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)				
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)				
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)				
	Sediment Deposits (B	2)				\boxtimes	Saturation Visible on	Aerial Image	ery (C9)					
	Drift Deposits (B3)				C3)	\boxtimes	Geomorphic Position	(D2)						
	Algal Mat or Crust (B4)						Shallow Aquitard (D3))					
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)				
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)			
	Inundation Visible on	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummod	cks (D7)				
	Sparsely Vegetated C	oncave S	urface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	Vater Table Present? Yes IN Saturation Present? Yes IN includes capillary fringe) Yes IN					Depth (inches): W	Vetland	l Hyd	drology Present?	Yes	🖾 No			
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:	:							
Rem	arks:													

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		Ci	ty/County:	Unin	corpo	rated/Placer	Sampling D	ate:	06/	10/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State: CA	Sampling P	oint:	206	uplar	nd
Investigator(s):	I. de Geo	froy, S	. Creer, S. Inneo	cken, J.	Hale			S	ection,	Township, Rang	ge: <u>21,17N</u>	l, 17E			
Landform (hillslope, te	race, etc.)): <u>n</u>	neadow			Local relie	ef (concave	e, conve	ex, nor	ne): <u>none</u>		Slop	be (%):		
Subregion (LRR):	MLRA 2	22A		Lat	39.296664			Long:	<u>-120.</u>	132438		Datum:	WGS8	<u>4</u>	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	opes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	or this ti	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	rcums	tances" present?)	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, ।	naturally proble	matic?	(If need	ed, exp	lain ar	ny answers in Re	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No		Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 iı	nches	i, 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2			·	That Are OBL, FACW, or FAC:	(^)
3				Total Number of Dominant	(B)
4				Species Across All Strata:	(2)
50% =, 20% =		= Total Cover		Percent of Dominant Species	(A/B)
<u>Sapling/Shrub Stratum</u> (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	-
4				FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =		= Total Cover		FACU species x4 =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species x5 =	-
1. <u>Juncus balticus</u>	<u>83</u>	<u>yes</u>	FACW		_(B)
2. <u>Arnica mollis</u>	<u>5</u>	<u>no</u>	FAC	Prevalence Index = B/A =	
3. <u>Penstemon rydbergii</u>	<u>5</u>	<u>no</u>	FACU	Hydrophytic Vegetation Indicators:	
4. <u>Collinsia parviflora</u>	<u>5</u>	<u>no</u>	<u>NL (UPL)</u>	1 – Rapid Test for Hydrophytic Vegetation	
5. <u>Symphyotrichum spathulatum</u>	<u>2</u>	<u>no</u>	FAC	2 - Dominance Test is >50%	
6				□ 3 - Prevalence Index is $\leq 3.0^1$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)				· · · · ·	
1				The described in	
2				Hydrophytic Vegetation Yes 🖾 No	
50% =, 20% =		= Total Cover		Present?	
% Bare Ground in Herb Stratum					
Remarks:					

SOIL										Samplir	ng Point: <u>206</u>	upland		
Profile Desc	ription: (Describe t	o the depth	needed to d	locumer	nt the indica	tor or conf	irm the absen	ice o	of indicato	rs.)				
Depth	Matrix				Redox Fe	atures								
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			Remarks	5	
<u>0-8</u>	10 YR 3/2	99+	10 YR 5	/8	<u><1</u>	<u>C</u>	M	-	loamy sa	nd	_			
											_			
											_			
											_			
											_			
											_			
											_			
											_			
¹ Type: C= Co	ncentration, D=Dep	letion, RM=l	Reduced Mat	rix, CS=0	Covered or C	oated Sand	d Grains. ²	² Loca	ation: PL=	Pore Lining	, M=Matrix			
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless	otherwis	se noted.)				Indic	ators for P	roblematic I	lydric S	oils³:	
Histoso	l (A1)			Sandy	Redox (S5)					2 cm Muc	ck (A10)			
Histic E	pipedon (A2)			Strippe	ed Matrix (S6	6)				Red Pare	nt Material (ΓF2)		
Black H	listic (A3)			Loamy	/ Mucky Mine	eral (F1) (e >	(cept MLRA 1))		Very Shal	llow Dark Su	rface (TI	-12)	
□ Hydrog	en Sulfide (A4)			Loamy	/ Gleyed Mat	rix (F2)				Other (Ex	plain in Rem	arks)		
Deplete	ed Below Dark Surfa	ce (A11)		Deplet	ted Matrix (F	3)								
Thick D	ark Surface (A12)			Redox	Coark Surfac	e (F6)								
□ Sandy	Mucky Mineral (S1)			Deplet	ted Dark Sur	face (F7)				,	drophytic veg			
□ Sandy	Gleyed Matrix (S4)			Redox	Depression	s (F8)					ology must be ed or proble		ι,	
Restrictive L	ayer (if present):													
Туре:														
Depth (inches	s):						Hydric Soils	s Pre	esent?		Yes		No	\boxtimes
Remarks:														

Wetla	and Hydrology Indicat	ors:										
Prima	ary Indicators (minimum	of one re	equired	; check	all tha	t apply)		Sec	ondary Indicators (2 or	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Imag	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)	\boxtimes	Geomorphic Position	(D2)		
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3))		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A	.)	
	Inundation Visible on	Aerial Ima	agery (I	37)		Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ation Present? des capillary fringe)	Yes		No		Depth (inches):	Vetland	l Hyd	drology Present?	Yes	🖾 No	
Desc	ribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:	:					
Rem	arks:											

Project Site:	<u>650 Line</u>	Rebuil	d Project (Phase	e 1A)		Ci	ty/County:	<u>Unin</u>	corpor	ated/Pla	acer	Sampling D)ate:	06/	10/201	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State:	CA	Sampling P	oint:	206	wet	
Investigator(s):	I. de Geo	ofroy, S	. Creer					Se	ection,	Townsh	nip, Rang	e: <u>21, 17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.): _				Local relie	ef (concave	e, conve	x, non	e): <u>r</u>	one		Slop	e (%):		
Subregion (LRR):	MLRA 2	22A		Lat:	<u>39.296662</u>			Long:	-120.	132388			Datum:	WGS8	84	
Soil Map Unit Name:	<u>Aquolls</u>	and B	orolls, 0 to 5 per	cent slo	pes					١	WI class	ification:	<u>Freshw</u> Wetlane		nerge	nt
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	or this tir	me of year?	Yes		No	\boxtimes	(If no, e	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□ , s	significantly dis	turbed?	Are "No	rmal Cir	cumst	ances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, r	naturally proble	matic?	(If need	ed, expl	ain an	y answe	ers in Rei	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes	\boxtimes	No	Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No					

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

VEGETATION – Use scientific names of plants

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:		
1		·		Number of Dominant Species	1	(A)
2				That Are OBL, FACW, or FAC:	<u>1</u>	(A)
3				Total Number of Dominant	1	(B)
4				Species Across All Strata:	<u>+</u>	(B)
50% =, 20% =		= Total Cover		Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size:)				That Are OBL, FACW, or FAC:		(,,,,,)
1				Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species	x1 =	_
4				FACW species	x2 =	_
5				FAC species	x3 =	_
50% =, 20% =		= Total Cover		FACU species	x4 =	_
Herb Stratum (Plot size: 1 sq. m.)				UPL species	x5 =	-
1. <u>Carex angustata</u>	<u>100</u>	yes	FACW	Column Totals: (A)		(B)
2				Prevalence Index = B/A =		
3				Hydrophytic Vegetation Indicators:		
4				1 – Rapid Test for Hydrophytic Vegetati	on	
5				2 - Dominance Test is >50%		
6				\Box 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide		
8				data in Remarks or on a separate sh	eet)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	jy must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic	N-	_
50% =, 20% =		= Total Cover		Vegetation Yes 🖾 Present?	No	
% Bare Ground in Herb Stratum						
Remarks:						

US Army Corps of Engineers

SOIL										Sampling	g Point: <u>206 w</u>	<u>/et</u>		
Profil	le Descri	otion: (Describe t	o the depth	needed to d	locume	nt the indica	tor or cont	firm the absen	ce of indica	ators.)				
De	əpth	Matrix				Redox Fe	atures							
(inche	es)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	Textur	e	I	Remarks		
<u>0</u> -	-12	<u>5 YR 2.5/2</u>	97	<u>5 YR 5/</u>	8	3	<u>C</u>	M	loamy	sand				
											_			
¹ Type	: C= Con	centration, D=Dep	letion, RM=F	Reduced Mat	rix, CS=	Covered or C	coated Sand	d Grains. ²	Location: Pl	_=Pore Lining	, M=Matrix			
Hydri	ic Soil Ind	licators: (Applica	able to all L	RRs, unless	otherwi	ise noted.)			Inc	licators for F	Problematic H	lydric S	oils ³ :	
	Histosol	(A1)			Sand	y Redox (S5)				2 cm Mu	ck (A10)			
	Histic Ep	ipedon (A2)			Stripp	ed Matrix (S	6)			Red Pare	ent Material (1	F2)		
	Black His	stic (A3)			Loam	y Mucky Min	eral (F1) (e :	xcept MLRA 1)		Very Sha	allow Dark Su	rface (TF	12)	
	Hydroge	n Sulfide (A4)			Loam	y Gleyed Ma	trix (F2)			Other (E	xplain in Rem	arks)		
	Depleted	Below Dark Surfa	ice (A11)		Deple	eted Matrix (F	3)							
	Thick Da	rk Surface (A12)			Redo	x Dark Surfa	ce (F6)							
	Sandy M	ucky Mineral (S1)			Deple	eted Dark Sur	face (F7)			,	drophytic veg			
	Sandy G	leyed Matrix (S4)			Redo	x Depression	s (F8)				ology must be bed or probler		Ι,	
Restr	ictive La	yer (if present):												
Type:														
Depth	n (inches)	: <u> </u>						Hydric Soils	Present?		Yes	\boxtimes	No	
Rema	arks:													
1														

Wetl	and Hydrology Indicate	ors:						
Prim	ary Indicators (minimum	of one re	equired	; check	all that	apply)	Sec	condary Indicators (2 or more required)
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)
	High Water Table (A2)	1				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on Aerial Imagery (C9)
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🛛	Geomorphic Position (D2)
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)
	Surface Soil Cracks (B	86)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated Co	oncave S	Surface	(B8)				
Field	Observations:							
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):		
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):		
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	Vetland Hy	drology Present? Yes 🛛 No 🗌
Desc	cribe Recorded Data (stre	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available:	:	
Rem	arks:							

Project Site:	<u>650 Line R</u>	Rebuild	Project (Phase	e 1A)		City	//County:	Unin	corpor	ated/Pla	acer	Sampling D)ate:	06/	11/20 ⁻	14
Applicant/Owner:	Liberty Util	lities (0	CalPeco Electri	<u>c)</u>						State:	CA	Sampling P	oint:	<u>301</u>	wet	
Investigator(s):	I. de Geofr	roy, S.	Creer					Se	ection,	Townsl	nip, Rang	e: <u>21, 17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.):					Local relief	(concave	, conve	x, nor	e): <u>r</u>	none		Slop	e (%):		
Subregion (LRR):	MLRA 22	<u>2A</u>		Lat:	<u>39.296626</u>			Long:	<u>-120.</u>	127306			Datum:	WGS8	34	
Soil Map Unit Name:	<u>Aquolls a</u>	and Bo	orolls, 0 to 5 per	cent slo	pes					١	WI class	sification:	<u>Freshw</u> Wetlan		merge	nt
Are climatic / hydrologi	c conditions	s on th	ne site typical fo	or this tir	me of year?	Yes		No	\boxtimes	(If no, e	explain ir	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, s	significantly dist	turbed?	Are "No	rmal Cir	cumst	ances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, r	naturally proble	matic?	(If need	ed, expl	ain an	y answe	ers in Re	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes	\boxtimes	No	Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No					
		-		 		-		

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

In wetland 206 (6/10/14)

VEGETATION – Use scientific names of plants

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species	2	(A)
2				That Are OBL, FACW, or FAC:	<u> </u>	(~)
3				Total Number of Dominant	2	(B)
4				Species Across All Strata:	-	(0)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:		(, (2)
1				Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species	x1 =	
4				FACW species	x2 =	
5				FAC species	x3 =	
50% =, 20% =		= Total Cove	r	FACU species	x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	
1. Symphyotrichum spathulatum	<u>30</u>	yes	FAC	Column Totals: (A)		(B)
2. <u>Arnica mollis</u>	<u>25</u>	<u>yes</u>	FAC	Prevalence Index = B/A = _		
3. Juncus balticus	<u>10</u>	<u>no</u>	FACW	Hydrophytic Vegetation Indicators:		
4. <u>Elymus glaucus</u>	<u>10</u>	<u>no</u>	FACU	□ 1 – Rapid Test for Hydrophytic Vegetatio	n	
5. <u>Perideridia parishii</u>	<u>5</u>	<u>no</u>	FAC	2 - Dominance Test is >50%		
6. <u>Trifolium longipes</u>	<u>2</u>	no	FAC	□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide s	supporting	
8				data in Remarks or on a separate she	et)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Ex	(plain)	
11						
50% = <u>41</u> , 20% = <u>16.4</u>	<u>82</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic.	y must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic		_
50% =, 20% =		= Total Cove	r	Vegetation Yes 🖂 Present?	No	
% Bare Ground in Herb Stratum <u>18</u>						
Remarks:						

US Army Corps of Engineers

SOIL									Sampling	Point: <u>301 v</u>	vet		
Profile	e Description: (Describe to	the depth	needed to d	docume	ent the indicate	or or conf	firm the absenc	e of indicat	ors.)				
Dep	pth Matrix				Redox Fea	tures							
(inches	color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Texture			Remarks	\$	
0-8	-8 <u>10 YR 2/2</u>	<u>96</u>	7.5yr 5/	<u>/8</u>	4	<u>C</u>	M	loamy sa	and	_			
				_						_			
	<u> </u>			-						=			
	<u> </u>			-						=			
				-					<u> </u>	_			
				-					<u> </u>	_			
				-						-			
				-					<u> </u>	_			
¹ Type:	C= Concentration, D=Deplet	tion, RM=R	Reduced Mat	rix, CS=	Covered or Co	ated San	d Grains. ² L	_ocation: PL=	Pore Lining,	M=Matrix	_		
Hydric	c Soil Indicators: (Applicab	le to all LF	RRs, unless	otherwi	ise noted.)			Indic	ators for Pr	oblematic I	Hydric S	oils ³ :	
	Histosol (A1)		\boxtimes	Sand	ly Redox (S5)				2 cm Mucl	k (A10)			
Πŀ	Histic Epipedon (A2)			Stripp	ped Matrix (S6))			Red Parer	nt Material (TF2)		
	Black Histic (A3)			Loam	ny Mucky Miner	ral (F1) (e x	xcept MLRA 1)		Very Shall	low Dark Su	rface (TF	-12)	
Πŀ	Hydrogen Sulfide (A4)			Loam	ny Gleyed Matri	ix (F2)			Other (Exp	olain in Rem	arks)		
	Depleted Below Dark Surface	e (A11)		Deple	eted Matrix (F3)							
ΠТ	Thick Dark Surface (A12)			Redo	ox Dark Surface	∋ (F6)							
□ s	Sandy Mucky Mineral (S1)			Deple	eted Dark Surfa	ace (F7)			cators of hyd				
□ s	Sandy Gleyed Matrix (S4)			Redo	ox Depressions	(F8)			etland hydrol nless disturbe			t,	
Restric	ctive Layer (if present):												
Type:													
Depth	(inches):						Hydric Soils	Present?		Yes	\boxtimes	No	
Remarl	ks:												-

Wetla	Wetland Hydrology Indicators:													
Prima	Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Water-Stained Leaves (B9) Water-Stained Leaves (B9) Water-Stained Leaves (B9)													
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)						
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)						
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)						
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)						
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on Aerial Imagery (C9)						
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🛛	Geomorphic Position (D2)						
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)						
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)						
	Surface Soil Cracks (E	6)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)						
	Inundation Visible on A	erial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)						
	Sparsely Vegetated Co	oncave S	urface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	ation Present? des capillary fringe)	Yes		No		Depth (inches): We	Vetland Hy	rdrology Present? Yes 🛛 No 🗌						
Desc	ribe Recorded Data (stre	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available:	:							
Rem	arks:													

Project Site:	650 Line F	Rebuil	d Project (Phase	e 1A)		С	ity/County:	Unin	corpoi	rated/Pla	acer	Sampling D	ate:	06/	11/20	14
Applicant/Owner:	Liberty Ut	ilities (CalPeco Electri	<u>c)</u>						State:	CA	Sampling P	oint:	<u>302</u>	wet	
Investigator(s):	I. de Geof	froy, S	<u>Creer</u>					Se	ection,	Townsh	nip, Rang	e: <u>21, 17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.)	: _				Local reli	ef (concave	e, conve	ex, nor	ne): <u>n</u>	one		Slop	e (%):		
Subregion (LRR):	MLRA 2	<u>2A</u>		Lat:	39.296649			Long:	<u>-120.</u>	126749			Datum:	WGS	34	
Soil Map Unit Name:	Aquolls :	and Bo	orolls, 0 to 5 per	cent slo	pes					Ν	WI class	sification:	<u>Freshw</u> Wetlan		merge	ent
Are climatic / hydrologi	c conditior	ns on tl	he site typical fo	or this tir	me of year?	Yes		No	\boxtimes	(If no, e	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, s	significantly dist	turbed?	Are "No	rmal Ci	rcumst	ances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, r	naturally proble	matic?	(If need	led, expl	lain an	y answe	ers in Rei	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes	\boxtimes	No	Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No					
				·				

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

In wetland 206 (6/10/14)

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	
2				That Are OBL, FACW, or FAC: $\frac{1}{2}$ (A)	
3				Total Number of Dominant	
4				Species Across All Strata:	
50% =, 20% =		= Total Cover		Percent of Dominant Species	3
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	,
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =		= Total Cover		FACU species x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. Symphyotrichum spathulatum	<u>30</u>	yes	FAC	Column Totals:(A)(B)	
2. <u>Agoseris grandiflora</u>	<u>10</u>	yes	NL (UPL)	Prevalence Index = B/A =	
3. <u>Agrostis idahoensis</u>	<u>5</u>	<u>yes</u>	FACW	Hydrophytic Vegetation Indicators:	
4. <u>Perideridia parishii</u>	<u>5</u>	<u>yes</u>	FAC	1 – Rapid Test for Hydrophytic Vegetation	
5. <u>Collinsia parviflora</u>	<u>5</u>	yes	<u>NL (UPL)</u>	2 - Dominance Test is >50%	
6. <u>Nemophila maculata</u>	<u>2</u>	no	<u>NL (UPL)</u>	\Box 3 - Prevalence Index is $\leq 3.0^1$	
7. <u>Microsteris gracilis</u>	<u>2</u>	no	FACU	4 - Morphological Adaptations ¹ (Provide supporting	
8. <u>Montia linearis</u>	<u>2</u>	no	FAC	data in Remarks or on a separate sheet)	
9. <u>Trifolium longipes</u>	<u>2</u>	<u>no</u>	FACW	5 - Wetland Non-Vascular Plants ¹	
10. Deschampsia danthonioides	<u>1</u>	<u>no</u>	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)	
11. <u>Epilobium sp.</u>	<u>1</u>	<u>no</u>			
50% = <u>32.5</u> , 20% = <u>13</u>	<u>65</u>	= Total Cover	·	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	
50% =, 20% =		= Total Cover		Vegetation Yes ⊠ No □ Present?	
% Bare Ground in Herb Stratum 35					
Remarks:				·	

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOI	L										5	Sampling F	Point: <u>302</u>	2 wet		
Prof	ile Descr	iption: (Describe t	o the depth	needed to d	locume	ent the indica	ator or conf	irm the absen	ice o	of indicato	rs.)					
D	epth	Matrix				Redox Fe	eatures									
(inch	nes)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture				Remarks	3	
	0-8	10 YR 2/2	94	10 YR 2	/1	5	<u>C</u>	M	-	<u>loamy sar</u>	nd	mangane	ese conc	retions		
				<u>7.5 YR 4</u>	/6	<u>1</u>	<u>C</u>	<u>M</u>								
_																
_																
-																
-																
_																
_																
1Тур	e: C= Co	ncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=	=Covered or 0	Coated Sand	d Grains. ²	² Loca	ation: PL=	Pore	Lining, M	=Matrix			
Hydr	ic Soil Ir	dicators: (Applica	ble to all L	RRs, unless	otherw	vise noted.)				Indica	ators	for Prob	lematic I	Hydric S	oils ³ :	
	Histoso	(A1)			Sand	ly Redox (S5))				2 c	m Muck (A	A10)			
	Histic E	pipedon (A2)			Strip	ped Matrix (S	6)				Re	d Parent M	Material (TF2)		
	Black H	istic (A3)			Loam	ny Mucky Min	eral (F1) (e)	ccept MLRA 1))		Ve	ry Shallow	Dark Su	rface (T	-12)	
	Hydroge	en Sulfide (A4)			Loam	ny Gleyed Ma	atrix (F2)				Oth	ner (Explai	in in Rem	arks)		
	Deplete	d Below Dark Surfa	ce (A11)		Depl	eted Matrix (F	-3)									
	Thick D	ark Surface (A12)			Redo	ox Dark Surfa	ce (F6)									
	Sandy I	Mucky Mineral (S1)			Depl	eted Dark Su	rface (F7)					of hydrop I hydrolog	, ,	·		
	Sandy 0	Gleyed Matrix (S4)			Redo	ox Depressior	ns (F8)	a				disturbed			ι,	
Rest	rictive L	ayer (if present):														
Туре	:															
Dept	h (inches):						Hydric Soils	s Pre	esent?			Yes	\boxtimes	No	
Rem	arks:															

Wetla	Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required)												
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)		
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)			
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)			
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)			
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)			
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Imag	ery (C9)		
Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3								\boxtimes	Geomorphic Position	(D2)			
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3))			
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)			
	Surface Soil Cracks (E	86)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)		
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)			
	Sparsely Vegetated C	oncave S	Surface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	ation Present? des capillary fringe)	Yes		No		Depth (inches): W	Vetland	Hyo	drology Present?	Yes	🖾 No		
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:	:						
Rem	arks:												

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		С	ity/County:	Unin	corpo	rated/Pl	acer	Sampling D	Date:	06/	1/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State:	CA	Sampling F	oint:	<u>303</u>	uplar	nd
Investigator(s):	I. de Geo	froy, S	. Creer					Se	ection,	Townsl	hip, Rang	e: <u>21,171</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)	: <u>n</u>	neadow			Local reli	ef (concave	e, conve	x, nor	ne): <u>r</u>	none		Slop	be (%):		
Subregion (LRR):	MLRA 2	2A		Lat	<u>39.296808</u>			Long:	<u>-120.</u>	125456			Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent sl	opes					1	WI class	ification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, e	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	rmal Ci	cums	tances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	led, expl	ain ar	ny answe	ers in Rer	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes		No	\boxtimes					
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	, 1.72	

According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfail for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Eastern boundary of Wetland Area 206 (6/10/14)

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:		
1				Number of Dominant Species		(A)
2				That Are OBL, FACW, or FAC:		()
3				Total Number of Dominant		(B)
4				Species Across All Strata:		()
50% =, 20% =		= Total Cover	r	Percent of Dominant Species 40		(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Ale OBL, FACW, OF FAC:		· ,
1				Prevalence Index worksheet:		
2				Total % Cover of: Multiply	<u>by:</u>	
3				OBL species x1 =		
4				FACW species 10 x2 =	<u>20</u>	
5				FAC species 20 x3 =	<u>60</u>	
50% =, 20% =		= Total Cover	r	FACU species <u>15</u> x4 =	<u>60</u>	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species <u>22</u> x5 =	<u>110</u>	
1. <u>Ivesia sericoleuca</u>	<u>20</u>	yes	FAC	Column Totals: <u>67</u> (A)	<u>250</u> (B)	
2. Allium campanulatum	<u>10</u>	<u>yes</u>	<u>NL (UPL)</u>	Prevalence Index = $B/A = 3.7$		
3. Epilobium ciliatum ssp. glandulosum	<u>10</u>	<u>yes</u>	FACW	Hydrophytic Vegetation Indicators:		
4. <u>Perideridia lemmonii</u>	<u>10</u>	<u>yes</u>	<u>NL (UPL)</u>	1 – Rapid Test for Hydrophytic Vegetation		
5. <u>Microsteris gracilis</u>	<u>10</u>	<u>yes</u>	FACU	2 - Dominance Test is >50%		
6. Navarretia leptalea subsp. bicolor	<u>1</u>	<u>no</u>	<u>NL (UPL)</u>	\Box 3 - Prevalence Index is $\leq 3.0^1$		
7. <u>Agoseris grandiflora</u>	<u>1</u>	<u>no</u>	<u>NL (UPL)</u>	4 - Morphological Adaptations ¹ (Provide support	ing	
8. <u>Lactuca serriola</u>	<u>5</u>	<u>no</u>	FACU	data in Remarks or on a separate sheet)		
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Explain)		
11						
50% = <u>25</u> , 20% = <u>10</u>	<u>67</u>	= Total Cover	r	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic Vegetation Yes 🗌	No	
50% =, 20% =		= Total Cover	r	Present?	NO	
% Bare Ground in Herb Stratum 33						
Remarks:						

SOIL									Sampling P	oint: <u>303 u</u>	pland		
Profile D	Description: (Describe to	o the depth	needed to	docume	nt the indicat	or or conf	irm the absenc	e of indicat	ors.)				
Dept	n Matrix				Redox Fea	itures							
(inches)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	Texture		F	Remarks		
<u>0-10</u>	7.5 YR 3/3	98	7.5 YR	5/8	2	<u>C</u>	M	loamy s	and				
				-									
				-									
				-									
				-									
				-									
				-									
				-									
¹ Type: C	= Concentration, D=Depl	etion, RM=I	Reduced Mat	trix, CS=	Covered or Co	bated Sand	d Grains. ² L	ocation: PL	=Pore Lining, N	M=Matrix			
Hydric S	oil Indicators: (Applica	ble to all L	RRs, unless	otherwi	ise noted.)			Indi	cators for Pro	blematic H	lydric S	oils³:	
🗆 His	stosol (A1)			Sandy	y Redox (S5)				2 cm Muck	(A10)			
🗆 His	stic Epipedon (A2)			Stripp	ed Matrix (S6))			Red Parent	Material (T	F2)		
🗆 Bla	ack Histic (A3)			Loam	y Mucky Mine	ral (F1) (e x	(cept MLRA 1)		Very Shallo	w Dark Su	face (TF	12)	
🗆 Ну	drogen Sulfide (A4)			Loam	y Gleyed Matr	ix (F2)			Other (Expl	ain in Rem	arks)		
🗆 De	pleted Below Dark Surfa	ce (A11)		Deple	eted Matrix (F3)							
🗆 Th	ick Dark Surface (A12)			Redo	x Dark Surface	e (F6)							
🛛 Sa	ndy Mucky Mineral (S1)			Deple	eted Dark Surfa	ace (F7)			icators of hydro /etland hydrolo				
🛛 Sa	ndy Gleyed Matrix (S4)			Redo	x Depressions	(F8)			nless disturbe			,	
Restrict	ive Layer (if present):												
Type:													
Depth (ir	nches):						Hydric Soils	Present?		Yes		No	\boxtimes
Remarks	:												

Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required)													
Prim	ary Indicators (minimum	of one re	equired	; check	all that	apply)	Sec	condary Indicators (2 or more required)					
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)					
	High Water Table (A2)	1				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)					
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)					
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)					
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on Aerial Imagery (C9)					
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🛛	Geomorphic Position (D2)					
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)					
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)					
	Surface Soil Cracks (B	86)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)					
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)					
	Sparsely Vegetated Co	oncave S	Surface	(B8)									
Field	Observations:												
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):							
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	Vetland Hy	drology Present? Yes 🛛 No 🗌					
Desc	cribe Recorded Data (stre	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available:	:						
Rem	arks:												

Project Site:	<u>650 Line</u>	Rebuil	d Project (Phase	<u>e 1A)</u>		City	/County:	Unin	corpor	ated/Placer	Sampling D	Date:	06/*	0/201	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State: <u>CA</u>	Sampling F	Point:	<u>304</u>	uplan	nd
Investigator(s):	I. de Geo	froy, S	<u>. Creer</u>					Se	ction,	Township, Rar	nge: <u>21,171</u>	<u>N, 17E</u>			
Landform (hillslope, ter	race, etc.)): _				Local relief	(concave	, conve	x, non	e): <u>none</u>		Slop	e (%):		
Subregion (LRR):	MLRA 2	2 <u>2A</u>		Lat:	<u>39.296891</u>			Long:	<u>-120.</u>	124804		Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	pes					NWI clas	ssification:	<u>N/A</u>			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain	in Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dist	turbed?	Are "Nor	rmal Cir	cumst	ances" present	?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□ , ı	naturally proble	matic?	(If neede	ed, expl	ain an	y answers in R	emarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No									
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes			
Wetland Hydrology Present?	Yes	\boxtimes	No									
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72												

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC: $\underline{2}$ (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>5</u> (B)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x1 =
4				FACW species x2 =
5				FAC species x3 =
50% =, 20% =		= Total Cove	r	FACU species x4 =
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =
1. <u>Ivesia sericoleuca</u>	<u>40</u>	<u>yes</u>	FAC	Column Totals: (A) (B)
2. <u>Ranunculus alismifolius</u>	<u>30</u>	<u>yes</u>	FACW	Prevalence Index = B/A =
3. <u>Perideridia lemmonii</u>	<u>10</u>	<u>no</u>	NL (UPL)	Hydrophytic Vegetation Indicators:
4. <u>Allium campanulatum</u>	<u>5</u>	<u>no</u>	<u>NL (UPL)</u>	1 – Rapid Test for Hydrophytic Vegetation
5. <u>Perideridia parishii</u>	<u>5</u>	no	FAC	2 - Dominance Test is >50%
6. <u>Agrostis idahoensis</u>	<u>5</u>	<u>no</u>	FACW	□ 3 - Prevalence Index is $\leq 3.0^1$
7. <u>Elymus elymoides</u>	<u>3</u>	<u>no</u>	FACU	4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants ¹
10				Problematic Hydrophytic Vegetation ¹ (Explain)
11				
50% = <u>49</u> , 20% = <u>19.6</u>	<u>98</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)				
1				
2				Hydrophytic
50% =, 20% =		= Total Cove	r	Vegetation Yes ⊠ No □ Present?
% Bare Ground in Herb Stratum 2				
Remarks:				

Image: Constraint of the second strict of	lox 	
Color (moist) % Color (moist) % Type1 Loc2 Texture 0-12 7.5 YR 4/3 97 10 YR 2/1 1 C M loamy sand black of the same sand	ck concretions	
0-12 7.5 YR 4/3 97 10 YR 2/1 1 C M loamy sand black	ck concretions	
Image: Solution of the second strict of	lox lox mg, M=Matrix Problematic Hydric Soils ³ : uck (A10) rent Material (TF2)	
	lox 	
Image: Indicators: Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: (Applicable to all LRRs, unless otherwise noted.) Image: Histos of (A1) Image: Stripped Matrix (S6) Image: Stripped Matrix (S6) Histic Epipedon (A2) Stripped Matrix (S6) Red Parer Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shall	ng, M=Matrix Problematic Hydric Soils ³ : uck (A10) rent Material (TF2)	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Pro- □ Histosol (A1) ☑ Sandy Redox (S5) □ 2 cm Muck □ Histic Epipedon (A2) □ Stripped Matrix (S6) □ Red Parer □ Black Histic (A3) □ Loamy Mucky Mineral (F1) (except MLRA 1) □ Very Shall	Problematic Hydric Soils ³ : uck (A10) rent Material (TF2)	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Pro- □ Histosol (A1) ☑ Sandy Redox (S5) □ 2 cm Muck □ Histic Epipedon (A2) □ Stripped Matrix (S6) □ Red Parer □ Black Histic (A3) □ Loamy Mucky Mineral (F1) (except MLRA 1) □ Very Shall	Problematic Hydric Soils ³ : uck (A10) rent Material (TF2)	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: for Pro- □ Histosol (A1) ☑ Sandy Redox (S5) □ 2 cm Muck □ Histic Epipedon (A2) □ Stripped Matrix (S6) □ Red Parer □ Black Histic (A3) □ Loarny Mucky Mineral (F1) (except MLRA 1) □ Very Shall	Problematic Hydric Soils ³ : uck (A10) rent Material (TF2)	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Pro- □ Histosol (A1) ☑ Sandy Redox (S5) □ 2 cm Muck □ Histic Epipedon (A2) □ Stripped Matrix (S6) □ Red Parer □ Black Histic (A3) □ Loamy Mucky Mineral (F1) (except MLRA 1) □ Very Shall	Problematic Hydric Soils ³ : uck (A10) rent Material (TF2)	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators: for Pro- □ Histosol (A1) ☑ Sandy Redox (S5) □ 2 cm Muck □ Histic Epipedon (A2) □ Stripped Matrix (S6) □ Red Parer □ Black Histic (A3) □ Loarny Mucky Mineral (F1) (except MLRA 1) □ Very Shall	Problematic Hydric Soils ³ : uck (A10) rent Material (TF2)	
□ Histosol (A1) ⊠ Sandy Redox (S5) □ 2 cm Muck □ Histic Epipedon (A2) □ Stripped Matrix (S6) □ Red Parer □ Black Histic (A3) □ Loamy Mucky Mineral (F1) (except MLRA 1) □ Very Shall	uck (A10) rent Material (TF2)	
Image: Histic Epipedon (A2) Image: Stripped Matrix (S6) Image: Red Parent ParentP	rent Material (TF2)	
Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shall		
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explanation of the second s	nallow Dark Surface (TF12)	
	Explain in Remarks)	
Depleted Below Dark Surface (A11) Depleted Matrix (F3)		
Thick Dark Surface (A12)		
	ydrophytic vegetation and	
	Irology must be present, Irbed or problematic.	
Restrictive Layer (if present):		
Туре:		
Depth (inches): Hydric Soils Present?	Yes 🗌 No	\boxtimes
Remarks: Soils have transitioned to a lighter, redder, loamy sand. Chroma too high to fall into sandy redox.		

Wetl	and Hydrology Indicate	ors:												
Prima	ary Indicators (minimum	of one re	equired;	check	all that	apply)	Secondary Indicators (2 or more required)							
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)						
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)						
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)						
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)						
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on Aerial Imagery (C9)						
	Drift Deposits (B3)				\boxtimes	Oxidized Rhizospheres along Living Roots (C	3) 🖾	Geomorphic Position (D2)						
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)						
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)						
	Surface Soil Cracks (E	6)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)						
Inundation Visible on Aerial Imagery (B7)						Other (Explain in Remarks)		Frost-Heave Hummocks (D7)						
	Sparsely Vegetated Co	oncave S	urface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	ation Present? des capillary fringe)	Yes		No		Depth (inches): We	Vetland Hy	drology Present? Yes 🛛 No 🗌						
Desc	ribe Recorded Data (stre	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available:	:							
Rem	arks:													

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		Ci	ty/County:	Unin	corpo	rated/Placer	Sampling D	ate:	06/1	1/201	4
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State: CA	Sampling F	oint:	<u>305</u>	uplan	d
Investigator(s):	I. de Geo	froy, S	<u>. Creer</u>					Se	ection,	Township, Rang	ge: <u>21,17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)): <u>m</u>	neadow			Local relie	ef (concave	e, conve	x, nor	ne): <u>none</u>		Slop	e (%):		
Subregion (LRR):	MLRA 2	2A		Lat	<u>39.297109</u>			Long:	<u>-120.</u>	122632		Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	opes					NWI class	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	rmal Cir	cums	tances" present?	•	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	ed, expl	ain ar	iy answers in Re	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No									
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes			
Wetland Hydrology Present?	Yes	\boxtimes	No									
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72												

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual raintall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species		
2				That Are OBL, FACW, or FAC:	(A)	
3				Total Number of Dominant	(B)	
4				Species Across All Strata: 1	(B)	
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	00 (A/B)	
Sapling/Shrub Stratum (Plot size:)				That Are OBL, FACW, or FAC:	<u>10</u> (A/B))
1				Prevalence Index worksheet:		
2				Total % Cover of: Mu	<u>ultiply by:</u>	
3				OBL species x1	=	
4				FACW species x2	. =	
5				FAC species x3	3 =	
50% =, 20% =		= Total Cove	r	FACU species x4	+ =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species x5	i =	
1. Juncus balticus	<u>88</u>	<u>yes</u>	FACW	Column Totals: (A)	(B)	
2. <u>Potentilla gracilis</u>	<u>5</u>	<u>no</u>	FAC	Prevalence Index = B/A =		
3. <u>Perideridia parishii</u>	2	<u>no</u>	FAC	Hydrophytic Vegetation Indicators:		
4. Penstemon rydbergii	<u>5</u>	no	FACU	□ 1 – Rapid Test for Hydrophytic Vegetation		
5				2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide su	pporting	
8				data in Remarks or on a separate sheet	.)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Expla	ain)	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology m be present, unless disturbed or problematic.	nust	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic	N- 0	
50% =, 20% =		= Total Cove	r	Vegetation Yes	No 🗌	
% Bare Ground in Herb Stratum						
Remarks:						

SOIL									S	ampling P	oint: <u>305 ι</u>	pland		
Profile Desc	ription: (Describe te	o the depth	needed to d	ocument	the indica	tor or conf	irm the absen	ce of indic	ators.))				
Depth	Matrix				Redox Fe	atures								
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Textu	ire			Remark	6	
0-12	<u>5 YR 3/3</u>	<u>95</u>	5 YR 5/8	8	<u>5</u>	<u>C</u>	M	loamy	sand					
¹ Type: C= Co	oncentration, D=Depl	etion, RM=F	Reduced Mati	rix, CS=Co	vered or C	Coated Sand	d Grains.	² Location: F	PL=Pore	e Lining, N	/I=Matrix			
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless	otherwise	noted.)					rs for Pro	blematic I	Hydric S	ioils ³ :	
Histoso	ol (A1)			Sandy R	ledox (S5)				2	cm Muck	(A10)			
Histic E	pipedon (A2)			Stripped	Matrix (S	6)			R	ed Parent	Material (TF2)		
Black I	listic (A3)			Loamy N	Aucky Min	eral (F1) (e x	(cept MLRA 1)) 🗆	V	ery Shallo	w Dark Su	rface (T	F12)	
Hydrog	en Sulfide (A4)			Loamy C	Gleyed Ma	trix (F2)			0	ther (Expl	ain in Rem	arks)		
Deplet	ed Below Dark Surfa	ce (A11)		Depleted	d Matrix (F	3)								
Thick E	Oark Surface (A12)			Redox D	ark Surfa	ce (F6)								
Sandy	Mucky Mineral (S1)			Depleted	d Dark Sur	face (F7)		31			ophytic veg gy must be			
Sandy	Gleyed Matrix (S4)			Redox D	epression	is (F8)	1				d or proble		, ,	
Restrictive L	ayer (if present):													
Туре:														
Depth (inche	·						Hydric Soils	Present?			Yes		No	
Remarks:	Chroma too light for	r sandy redo	DX.											

Wetla	and Hydrology Indicate	ors:												
Prima	ary Indicators (minimum	of one re	equired	check	all that	apply)	Secondary Indicators (2 or more required)							
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)						
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)						
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)						
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)						
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on Aerial Imagery (C9)						
	Drift Deposits (B3)				\boxtimes	Oxidized Rhizospheres along Living Roots (C	3) 🛛	Geomorphic Position (D2)						
	Algal Mat or Crust (B4))				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)						
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)						
	Surface Soil Cracks (B	6)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)						
	Inundation Visible on A	erial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)						
	Sparsely Vegetated Co	oncave S	urface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	ation Present? des capillary fringe)	Yes		No		Depth (inches): W	Vetland H	lydrology Present? Yes 🛛 No 🗌						
Desc	ribe Recorded Data (stre	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available:	:							
Rem	arks <i>:</i>													

Project Site:	650 Line I	Rebuil	d Project (Phase	<u>e 1A)</u>		Ci	ty/County:	<u>Unir</u>	corpo	rated/Placer	Sampling D	Date:	06/	1/201	14
Applicant/Owner:	Liberty Ut	ilities	(CalPeco Electri	<u>)</u>						State: CA	Sampling F	Point:	<u>401</u>	(2) we	etland
Investigator(s):	S. Inneck	en, J.	Hale					S	ection,	Township, Ra	nge: <u>21,171</u>	N, 17E			
Landform (hillslope, te	race, etc.)	: <u>n</u>	neadow			Local relie	ef (concave	e, conve	ex, nor	ne):		Slop	oe (%):		_
Subregion (LRR):	MLRA 2	2A		Lat	<u>39.29747</u>			Long:	<u>-120.</u>	119975		Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and B	orolls, 0 to 5 per	cent slo	opes					NWI cla	ssification:	N/A			
Are climatic / hydrologi	c conditior	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain	in Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	rmal Ci	rcumst	tances" presen	t?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	ed, exp	lain ar	ny answers in R	emarks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No		Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	, 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1			_	Number of Dominant Species	
2				That Are OBL, FACW, or FAC: (A)	
3				Total Number of Dominant	
4				Species Across All Strata:	
50% =, 20% =		= Total Cover		Percent of Dominant Species 100 (A/E	3)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	'
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =		= Total Cover		FACU species x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. Juncus balticus	<u>85</u>	<u>yes</u>	FAC	Column Totals: (A) (B)	
2. <u>Carex angustata</u>	<u>5</u>	no	FACW	Prevalence Index = B/A =	
3. <u>Penstemon rydbergii</u>	<u>5</u>	<u>no</u>	FACU	Hydrophytic Vegetation Indicators:	
4. Microsteris gracilis	<u>5</u>	<u>no</u>	FACU	1 – Rapid Test for Hydrophytic Vegetation	
5				2 - Dominance Test is >50%	
6				□ 3 - Prevalence Index is $\leq 3.0^{1}$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	
50% =, 20% =		= Total Cover		Vegetation Yes ⊠ No □ Present?	
% Bare Ground in Herb Stratum					
Remarks:					

SO	L									S	ampling F	Point: <u>401</u>	(2) wetla	and	
Prof	file Desc	ription: (Describe t	o the dept	h needed to d	document	the indica	tor or conf	irm the absend	ce of indica	ators.)					
0	Depth	Matrix				Redox Fe	atures								
(inc	hes)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	Textu	re		I	Remarks	i	
	<u>0-1</u>	organic			-					_					
	1-12	7.5 YR 2.5/2	<u>99</u>	<u>7.5 YR 5</u>	5/6	<u>1</u>	<u>D</u>	M	loamy	sand					
-					-					_	. <u> </u>				
-					-					_					
-					-										
-					-										
-					-										
-					-										
¹Тур	e: C= Co	oncentration, D=Depl	letion, RM=	Reduced Mat	rix, CS=C	overed or C	Coated Sand	d Grains. ²	Location: P	L=Pore I	Lining, M=	=Matrix			
Hyd	ric Soil I	ndicators: (Applica	ble to all L	.RRs, unless	otherwis	e noted.)			Inc	licators	for Prob	lematic H	lydric S	oils³:	
	Histosc	ol (A1)			Sandy I	Redox (S5)				2 cr	m Muck (A	A10)			
	Histic E	pipedon (A2)			Strippe	d Matrix (Se	6)			Rec	d Parent M	Material (T	F2)		
	Black H	listic (A3)			Loamy	Mucky Mine	eral (F1) (e x	(cept MLRA 1)		Ver	y Shallow	/ Dark Su	rface (TF	12)	
	Hydrog	en Sulfide (A4)			Loamy	Gleyed Mat	trix (F2)			Oth	er (Explai	in in Rem	arks)		
	Deplete	ed Below Dark Surfa	ce (A11)		Deplete	ed Matrix (F	3)								
	Thick D	ark Surface (A12)			Redox	Dark Surfac	ce (F6)								
	Sandy	Mucky Mineral (S1)			Deplete	ed Dark Sur	face (F7)					hytic veg			
	Sandy	Gleyed Matrix (S4)			Redox	Depression	is (F8)					y must be or probler		t,	
Res	trictive L	.ayer (if present):										•			
Туре	e:														
Dep	th (inches	s):						Hydric Soils	Present?			Yes		No	\boxtimes
Rem	narks:														

Wetla	and Hydrology Indicat	ors:										
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)	\boxtimes	Geomorphic Position	(D2)		
	Algal Mat or Crust (B4	·)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3))		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)	
	Inundation Visible on	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummoo	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): W	Vetland	Hyo	drology Present?	Yes	🖾 No	
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:						
Rem	arks:											

Project Site:	650 Line R	ebuild Project (Phas	e 1A)		Ci	ity/County:	Unir	ncorpo	rated/Placer	Sampling [Date:	06/	11/201	14
Applicant/Owner:	Liberty Utili	ties (CalPeco Electr	ic)						State: CA	Sampling F	Point:	<u>401</u>	(b) we	etland
Investigator(s):	S. Innecker	n, J. Hale					S	ection,	Township, Ran	ige: <u>21, 171</u>	N, 17E			
Landform (hillslope, te	rrace, etc.):	sloped bank			Local relie	ef (concave	, conve	ex, nor	ne): <u>convex</u>		Slop	be (%):	<u>2-5</u>	
Subregion (LRR):	<u>MLRA 22</u>	<u>A</u>	Lat	: <u>39.297695</u>			Long:	<u>-120.</u>	116264		Datum:	WGS8	<u>4</u>	
Soil Map Unit Name:	Aquolls a	nd Borolls, 0 to 5 pe	rcent sl	opes					NWI clas	sification:	N/A			
Are climatic / hydrolog	ic conditions	on the site typical f	or this ti	me of year?	Yes		No	\boxtimes	(If no, explain	in Remarks.)				
Are Vegetation \Box ,	Soil [], or Hydrology	□,	significantly dis	turbed?	Are "Nor	mal Ci	ircums	tances" present	?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil [□, or Hydrology	□,	naturally proble	ematic?	(If neede	ed, exp	lain ar	ny answers in Re	emarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	table for Truckee, the ave annual rainfall for May 2014 is	\$ 0.67 ir	nches	, 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species	2	(A)
2				That Are OBL, FACW, or FAC:	<u>2</u>	(A)
3				Total Number of Dominant	2	(B)
4				Species Across All Strata:	<u>~</u>	(B)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	100	(л.в)
1				Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species	x1 =	
4				FACW species	x2 =	
5				FAC species	x3 =	
50% =, 20% =		= Total Cove	r	FACU species	x4 =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	
1. Juncus balticus	<u>45</u>	yes	FAC	Column Totals: (A)		(B)
2. <u>Potentilla gracilis</u>	<u>15</u>	yes	FAC	Prevalence Index = B/A =		
3. <u>Carex angustata</u>	<u>2</u>	no	FACW	Hydrophytic Vegetation Indicators:		
4. Symphyotrichum spathulatum	<u>2</u>	no	FAC	1 – Rapid Test for Hydrophytic Vegetati	ion	
5. <u>Agrostis idahoensis</u>	<u>1</u>	no	FACW	2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide	supporting	
8				data in Remarks or on a separate sh	ieet)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)	
11						
50% = <u>32.5</u> , 20% = <u>13</u>	<u>65</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	gy must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic		_
50% =, 20% =		= Total Cove	r	Vegetation Yes 🖾 Present?	No	
% Bare Ground in Herb Stratum 35						
Remarks:						

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOIL										S	ampling I	Point: <u>401</u>	(b) wetla	and	
Profile Desc	ription: (Describe to	the depth	n needed to d	locument t	he indicato	or or conf	irm the absen	nce of	indicate	ors.)					
Depth	Matrix														
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture				Remarks	6	
0-0.5	organic														
<u>0.5-12</u>	<u>10 YR 2/1</u>	<u>98</u>	<u>7.5 YR 5</u>	/8	<u>2</u>	<u>C</u>	M		<u>clay loar</u>	m	redox at	12"			
				-											
				-											
				-											
				-											
				-		. <u></u>									
				-											
¹ Type: C= Co	ncentration, D=Depl	etion, RM=	Reduced Mat	rix, CS=Cov	ered or Co	ated Sand	Grains.	² Locat	tion: PL=	Porel	Lining, M	=Matrix			
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless	otherwise	noted.)				Indic	ators	for Prob	lematic I	lydric S	oils³:	
Histoso	l (A1)			Sandy Re	edox (S5)					2 cr	m Muck (A10)			
Histic E	pipedon (A2)			Stripped	Matrix (S6)					Rec	l Parent I	Material (TF2)		
Black H	listic (A3)			Loamy M	ucky Miner	al (F1) (ex	cept MLRA 1)		Ver	y Shallov	v Dark Su	rface (TF	-12)	
Hydrog	en Sulfide (A4)			Loamy G	leyed Matri	x (F2)				Oth	er (Expla	in in Rem	arks)		
Deplete	ed Below Dark Surfac	ce (A11)		Depleted	Matrix (F3)										
Thick D	ark Surface (A12)		\boxtimes	Redox Da	ark Surface	(F6)									
□ Sandy	Mucky Mineral (S1)			Depleted	Dark Surfa	ce (F7)						ohytic veg v must be			
□ Sandy	Gleyed Matrix (S4)			Redox De	epressions	(F8)						or proble		ι,	
Restrictive L	ayer (if present):														
Type:															
Depth (inches	s):						Hydric Soils	s Pres	sent?			Yes	\boxtimes	No	
Remarks:	Redox features loca	ted only wi	thin the bottor	n inch.											

Wetla	and Hydrology Indicat	ors:										
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)	Se	condary Indicators (2 or	more requir	ed)		
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leave	s (B9)			
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and	4B)			
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B	10)			
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Ta	able (C2)			
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on	Aerial Image	ery (C9)		
	Drift Deposits (B3)				3) 🛛	Geomorphic Position (D2)						
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)			
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5	5)			
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)		
	Inundation Visible on	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummo	cks (D7)			
	Sparsely Vegetated C	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ation Present? des capillary fringe)	Yes		No		Depth (inches): We	etland Hy	drology Present?	Yes	🖾 No		
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:						
Rem	arks:											

Project Site:	650 Line F	Rebuil	ld Project (Phase	e 1A)		Cit	y/County:	y: <u>Unincorporated/Placer</u> Sampling				Sampling D	Date:	06/1	1/201	4
Applicant/Owner:	Liberty Ut	ilities	(CalPeco Electric	<u>c)</u>						State:	CA	Sampling F	oint:	<u>401</u>	(c) we	tland
Investigator(s):	S. Innecke	en, J.	Hale					S	ection,	Townsh	ip, Range	e: <u>21, 171</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)	: <u>te</u>	errace			Local relie	f (concave	, conve	ex, non	ne): <u>co</u>	onvex		Slop	e (%):	<u>1-2</u>	
Subregion (LRR):	MLRA 2	2A		Lat	<u>39.297504</u>			Long:	<u>-120.</u>	120267			Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls :	and B	orolls, 0 to 5 per	cent slo	opes					N	WI classi	fication:	N/A			
Are climatic / hydrologi	c conditior	ns on t	the site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, e	xplain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	rcumst	tances" p	oresent?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	ed, exp	lain an	ny answe	rs in Rem	narks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 iı	nches	i, 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>1</u> (B)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species 100 (A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC: 100 (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x1 =
4				FACW species x2 =
5				FAC species X3 =
50% =, 20% =		= Total Cove	r	FACU species x4 =
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =
1. Juncus balticus	<u>79</u>	<u>yes</u>	FAC	Column Totals:(A)(B)
2. Symphyotrichum spathulatum	<u>10</u>	<u>no</u>	FAC	Prevalence Index = B/A =
3. <u>Agrostis idahoensis</u>	<u>5</u>	<u>no</u>	FACW	Hydrophytic Vegetation Indicators:
4. <u>Taraxacum officinale</u>	<u>2</u>	no	FACU	1 – Rapid Test for Hydrophytic Vegetation
5. Polemonium occidentale	<u>2</u>	no	FACW	2 - Dominance Test is >50%
6. <u>Carex angustata</u>	<u>2</u>	<u>no</u>	FACW	□ 3 - Prevalence Index is $\leq 3.0^{1}$
7				4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants ¹
10				Problematic Hydrophytic Vegetation ¹ (Explain)
11				
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)				
1				
2				Hydrophytic
50% =, 20% =		= Total Cove	r	Vegetation Yes ⊠ No □ Present?
% Bare Ground in Herb Stratum				
Remarks:				

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOI	L										Sampling Point: 401(c	c) wetlar	nd	
Prof	ile Desci	ription: (Describe t	o the deptl	h needed to d	locument	the indicat	or or conf	irm the absend	ce of in	dicato	rs.)			
C	Pepth	Matrix				Redox Fea	atures							
(incl	nes)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Te	exture	R	emarks		
(0-0.5	organic												
<u>0</u>	.5-12	<u>5 YR 3/2</u>	<u>97</u>	<u>7.5 YR 5</u>	<u>i.8</u>	<u>1</u>	<u>C</u>	<u>M</u>	<u>cla</u>	ay loan	<u>n</u>			
_				<u>10 YR 2</u>	/1	<u>2</u>	<u>D</u>	M	-					
_									-					
_									-					
_									-					
_									-					
_									-					
1Тур	e: C= Co	ncentration, D=Depl	letion, RM=	Reduced Mat	rix, CS=Co	vered or C	oated Sand	I Grains. ²	Locatior	n: PL=l	Pore Lining, M=Matrix			
Hyd	ric Soil Iı	ndicators: (Applica	ble to all L	.RRs, unless	otherwise	noted.)				Indica	ators for Problematic Hy	dric Sc	oils ³ :	
	Histoso	I (A1)			Sandy R	edox (S5)					2 cm Muck (A10)			
	Histic E	pipedon (A2)			Stripped	Matrix (S6)				Red Parent Material (TF	2)		
	Black H	listic (A3)			Loamy N	lucky Mine	ral (F1) (e)	(cept MLRA 1))		Very Shallow Dark Surfa	ace (TF	12)	
	Hydrog	en Sulfide (A4)			Loamy G	Bleyed Mat	rix (F2)				Other (Explain in Rema	rks)		
	Deplete	ed Below Dark Surfa	ce (A11)		Depleted	d Matrix (F3	3)							
	Thick D	ark Surface (A12)		\boxtimes	Redox D	ark Surfac	e (F6)							
	Sandy	Mucky Mineral (S1)			Depleted	d Dark Surf	ace (F7)				ators of hydrophytic vege			
	Sandy	Gleyed Matrix (S4)			Redox D	epressions	s (F8)				tland hydrology must be pless disturbed or problem			
Rest	rictive L	ayer (if present):												
Туре):	. <u></u>												
Dept	th (inches	s):						Hydric Soils	Presen	nt?	Yes	\boxtimes	No	
Rem	arks:	Soil moist 1-12".												

Wetla	and Hydrology Indicate	ors:												
Prima	ary Indicators (minimum	of one re	equired		Secondary Indicators (2 or more required)									
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves (B9)					
	High Water Table (A2)	1				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4B)					
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B10)					
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)				
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Image	ery (C9)			
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3)	\boxtimes	Geomorphic Position	(D2)				
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)					
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5)					
	Surface Soil Cracks (B6)					Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)			
	Inundation Visible on Aerial Imagery (B7)					Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)				
	Sparsely Vegetated C	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
Saturation Present? Yes I No (includes capillary fringe)				No		Depth (inches):	Wetland	d Hyd	drology Present?	Yes	🖾 No			
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available	e:							
Rem	arks:													

Project Site: 650 Line Rebuild Project (Phase 1A)						Ci	ty/County:	r/County: <u>Unincorporated/Placer</u> Sampling				Date:	06/	11/201	14
Applicant/Owner: Liberty Utilities (CalPeco Electric)										State: <u>CA</u>	Sampling F	Point:	<u>401</u>	<u>(d) we</u>	etland
Investigator(s): <u>S. Innecken, J. Hale</u>								S	ection,	Township, Ra	inge: <u>21, 171</u>	N, 17E			
Landform (hillslope, terrace, etc.): meadow Local r								e, conve	ex, nor	ne): <u>none</u>		Slop	be (%):		
Subregion (LRR):	MLRA 22	2A		Lat	: <u>39.297662</u>			Long:	<u>-120.</u>	11855		Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls a	and Bo	orolls, 0 to 5 per	cent sl	opes					NWI cla	assification:	N/A			
Are climatic / hydrologi	c condition	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain	n in Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly d	isturbed?	Are "No	rmal Ci	rcums	tances" preser	nt?	Yes	\boxtimes	No	
re Vegetation \Box , Soil \Box , or Hydrology \Box ,		□,	naturally problematic? (If need			(If needed, explain any answers in Remarks.)									

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?		\boxtimes	No										
Hydric Soil Present?		\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No					
Wetland Hydrology Present?	Yes	\boxtimes	No										
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72													

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(4)
2				That Are OBL, FACW, or FAC: 1	(A)
3				Total Number of Dominant	(B)
4				Species Across All Strata: 1	(D)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	(A/D)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =		= Total Cove	r	FACU species x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. <u>Carex angustata</u>	<u>95</u>	<u>yes</u>	FACW	Column Totals: (A) (B))
2. Symphyotrichum spathulatum	<u>2</u>	no	FAC	Prevalence Index = B/A =	
3. Juncus balticus	<u>2</u>	no	FAC	Hydrophytic Vegetation Indicators:	
4. <u>Bistorta bistortoides</u>	<u>1</u>	<u>no</u>	FACW	1 – Rapid Test for Hydrophytic Vegetation	
5				2 - Dominance Test is >50%	
6				□ 3 - Prevalence Index is $\leq 3.0^1$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)				be present, unless disturbed of problematic.	
1					
2				Hydrophytic	_
50% =, 20% =		= Total Cove	r	Vegetation Yes 🛛 No Present?	
% Bare Ground in Herb Stratum					
Remarks:				1	

SOIL										Sampling	Point: <u>401</u>	(d) wetla	and	
Profile De	escription: (Describe to	the depth	n needed to d	locumen	t the indica	tor or conf	irm the absend	ce of	indicato	ors.)				
Depth	Matrix													
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture		Remarks			
<u>0-2</u>	organic													
<u>2-12</u>	7.5 YR 3/2	<u>95</u>	<u>7.5 YR 5</u>	<u>.8</u>	<u>5</u>	<u>C</u>	M		<u>clay loar</u>	<u>n</u>				
			. <u> </u>											
¹ Type: C=	Concentration, D=Deple	tion, RM=	Reduced Mat	rix, CS=C	overed or C	coated Sand	d Grains. 2	2 Locat	tion: PL=	Pore Lining, I	M=Matrix			
Hvdric So	¹ Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :													
-	osol (A1)				, Redox (S5)					2 cm Muck	(A10)			
□ Hist	ic Epipedon (A2)			Strippe	d Matrix (Se	6)				Red Parent	Material (TF2)		
🗆 Blad	ck Histic (A3)			Loamy	Mucky Mine	eral (F1) (e)	(cept MLRA 1))		Very Shallo	w Dark Su	rface (TI	F12)	
	Irogen Sulfide (A4)				Gleyed Mat	· / ·	. ,			Other (Expl			,	
	bleted Below Dark Surfac	e (A11)		Deplete	ed Matrix (F	3)						,		
	ck Dark Surface (A12)	· · · ·	\boxtimes		Dark Surfac	,								
	dy Mucky Mineral (S1)				ed Dark Sur	()			³ Indic	ators of hydro	ophytic veg	etation a	and	
	dy Gleyed Matrix (S4)				Depression	. ,				etland hydrolo			t,	
	ve Layer (if present):					- (- /			u			mauc.		
Type:														
Depth (inc	thes):						Hydric Soils	Pres	ent?		Yes		No	
Remarks:	,						, une cono					-		
rtomanto.														

Wetla	and Hydrology Indicat	ors:													
Prima	ary Indicators (minimum	of one re	equired		Secondary Indicators (2 or more required)										
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves (B9)						
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4B)						
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B10)						
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)					
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Image	ery (C9)				
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)	\boxtimes	Geomorphic Position	(D2)					
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)						
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5)						
	Surface Soil Cracks (B6)					Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)				
	Inundation Visible on Aerial Imagery (B7)					Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)					
	Sparsely Vegetated C	oncave S	Surface	(B8)											
Field	Observations:														
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):									
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):									
	ation Present? des capillary fringe)	Yes		No		Depth (inches): Wetla			drology Present?	Yes	🖾 No				
Desc	ribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:	:								
Rem	arks:														

Project Site:	650 Line Re	<u>build Project (Phas</u>	<u>e 1A)</u>		Ci	ty/County:	Unin	corpo	rated/Placer	Sampling E	Date:	06/1	1/201	14
Applicant/Owner:	Liberty Utilit	ies <u>(CalPeco Electr</u>	ic)						State: <u>CA</u>	Sampling F	Point:	<u>401</u>	(2) up	land
Investigator(s):	S. Innecken	<u>, J. Hale</u>					S	ection	, Township, Rang	ge: <u>21,171</u>	N, 17E			
Landform (hillslope, ter	race, etc.):	<u>hillslope</u>			Local relie	ef (concave	e, conve	ex, noi	ne): <u>convex</u>		Slop	be (%):	<u>5</u>	
Subregion (LRR):	MLRA 22A	<u>\</u>	Lat	: <u>39.299484</u>			Long:	<u>-120</u>	.116264		Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls an	d Borolls, 0 to 5 pe	rcent slo	opes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditions	on the site typical fo	or this ti	me of year?	Yes		No	\bowtie	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil 🗌], or Hydrology	□, :	significantly dis	sturbed?	Are "No	rmal Ci	rcums	tances" present?	•	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil 🗌], or Hydrology	□,	naturally proble	ematic?	(If need	ed, exp	lain aı	ny answers in Re	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No										
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes				
Wetland Hydrology Present?	Yes		No	\boxtimes									
Pomorke: According to the Natural Resources Concervation Services WETS table for Truckee, the ave applied rainfall for May 2014 is 0.67 inches 1.72													

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013..

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:		
1				Number of Dominant Species	2	(A)
2				That Are OBL, FACW, or FAC:	<u> </u>	(,,)
3				Total Number of Dominant	<u>3</u>	(B)
4				Species Across All Strata:	<u> </u>	(2)
50% =, 20% =		= Total Cove	er	Percent of Dominant Species	66	(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:		(**=)
1. <u>Artemisia arbuscula</u>	<u>10</u>	<u>yes</u>	<u>NL (UPL)</u>	Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species	x1 =	
4				FACW species	x2 =	
5				FAC species	x3 =	
50% =, 20% =		= Total Cove	er	FACU species	x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	
1. Symphyotrichum spathulatum	<u>15</u>	<u>yes</u>	FAC	Column Totals: (A)		(B)
2. Juncus balticus	<u>5</u>	<u>yes</u>	FACW	Prevalence Index = B/A =		
3. <u>Perideridia parishii</u>	<u>2</u>	no	FAC	Hydrophytic Vegetation Indicators:		
4. <u>Taraxacum officinale</u>	<u>1</u>	no	FACU	1 – Rapid Test for Hydrophytic Vegetat	ion	
5. <u>Agrostis idahoensis</u>	<u>1</u>	no	FACW	2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide		
8				data in Remarks or on a separate sl	neet)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (E	Explain)	
11						
50% = <u>12</u> , 20% = <u>4.8</u>	<u>24</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolo be present, unless disturbed or problematic.	gy must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic		_
50% =, 20% =		= Total Cove	er	Vegetation Yes 🛛 Present?	No	
% Bare Ground in Herb Stratum 66						
Remarks:						

OIL Sampling Point: 401(2) upland Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)													
Profile	Description: (Describe to	o the depth	n needed to c	docum	ent the indicat	or or conf	firm the absenc	e of indica	ators.)				
Dep	pth Matrix				Redox Fea	atures							
(inche	s) Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Textu	е		Remarks	3	
<u>1</u> :	2 <u>7.5 YR2.5/3</u>	97	10 YR 5	5/8	3	<u>C</u>	M	loamy	sand				
				_									
				-									
				-									
				-									
				-									
				-									
. —				-									
	C= Concentration, D=Depl					pated Sand	d Grains. ² L			ning, M=Matrix			
	: Soil Indicators: (Applica	ble to all L	-							r Problematic	Hydric S	ioils ³ :	
	Histosol (A1)			Sand	dy Redox (S5)				2 cm I	Muck (A10)			
	Histic Epipedon (A2)			Strip	ped Matrix (S6)			Red P	Parent Material (TF2)		
<u></u> Е	Black Histic (A3)			Loar	my Mucky Mine	ral (F1) (e x	ccept MLRA 1)		Very S	Shallow Dark Su	Irface (T	F12)	
	Hydrogen Sulfide (A4)			Loar	my Gleyed Mat	rix (F2)			Other	(Explain in Rem	arks)		
	Depleted Below Dark Surface	ce (A11)		Depl	leted Matrix (F3	3)							
	Thick Dark Surface (A12)			Red	ox Dark Surfac	e (F6)							
	Sandy Mucky Mineral (S1)			Depl	leted Dark Surf	ace (F7)		³ In		hydrophytic veg	,		
	Sandy Gleyed Matrix (S4)			Red	ox Depressions	5 (F8)				drology must b turbed or proble		ι,	
Restrie	ctive Layer (if present):												
Type:													
Depth	(inches):						Hydric Soils I	Present?		Yes		No	\boxtimes
Remar	ks: Loamy sand with gr	avel.											

Wetl	Netland Hydrology Indicators:													
Prim	ary Indicators (minimum	n of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or m	nore requir	ed)			
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	(B9)				
	High Water Table (A2	.)				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4	в)				
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B10	D)				
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Tab	le (C2)				
	Sediment Deposits (B	2)					Saturation Visible on A	erial Imag	ery (CS	9)				
	Drift Deposits (B3)				C3)		Geomorphic Position (I	D2)						
	Algal Mat or Crust (B4	4)					Shallow Aquitard (D3)							
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5)					
	Surface Soil Cracks (I	B6)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D	6) (LRR A	.)			
	Inundation Visible on	Aerial Im	agery (I	37)		Other (Explain in Remarks)			Frost-Heave Hummock	ks (D7)				
	Sparsely Vegetated C	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches):	Wetland	d Hy	drology Present?	Yes		No		
Desc	ribe Recorded Data (st	ream gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:	e:							
Rem	arks:													
ı.														

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		Ci	ty/County:	Unin	corpo	rated/Placer	Sampling D	Date:	06/*	11/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State: CA	Sampling P	oint:	<u>401</u>	uplar	nd
Investigator(s):	I. de Geo	ofroy, S	. Creer					S	ection,	Township, Rang	ge: <u>21,17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)): <u>n</u>	neadow/upland s	lope		Local relie	ef (concave	e, conve	x, nor	ne): <u>none</u>		Slop	be (%):	<u>2</u>	
Subregion (LRR):	MLRA 2	22A		Lat:	<u>39.297499</u>			Long:	<u>-120.</u>	120324		Datum:	WGS8	<u>4</u>	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	pes					NWI clas	sification:	<u>N/A</u>			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this tii	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	cums	tances" present?)	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□ , ı	naturally proble	ematic?	(If need	ed, exp	ain ar	ny answers in Re	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72												
Wetland Hydrology Present?			No	\boxtimes								
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes			
Hydrophytic Vegetation Present?	Yes		No	\boxtimes								

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:			
1				Number of Dominant Species	0	()	A)
2				That Are OBL, FACW, or FAC:	<u>0</u>	()	4)
3				Total Number of Dominant	2	(1	B)
4				Species Across All Strata:	<u> </u>	(L)
50% =, 20% =		= Total Cover		Percent of Dominant Species	<u>0</u>	u	A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	<u>v</u>	,	(12)
1				Prevalence Index worksheet:			
2				Total % Cover of:	Multiply by:		
3				OBL species	x1 =		
4				FACW species <u>6</u>	x2 = <u>12</u>		
5				FAC species <u>10</u>	x3 = <u>30</u>		
50% =, 20% =		= Total Cover		FACU species <u>30</u>	x4 = <u>120</u>	<u>0</u>	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species <u>41</u>	x5 = <u>205</u>	<u>5</u>	
1. <u>Perideridia lemmonii</u>	<u>30</u>	yes	<u>NL (UPL)</u>	Column Totals: <u>87</u> (A)	<u>36</u>	<u>7</u> (B)	
2. <u>Agoseris grandiflora</u>	<u>30</u>	yes	FACU	Prevalence Index = B/A =	<u>4.2</u>		
3. <u>Perideridia parishii</u>	<u>10</u>	no	FAC	Hydrophytic Vegetation Indicators:			
4. Epilobium brachycarpum	<u>10</u>	no	<u>NL (UPL)</u>	□ 1 – Rapid Test for Hydrophytic Vegetatio	'n		
5. Deschampsia danthonioides	<u>5</u>	<u>no</u>	FACW	□ 2 - Dominance Test is >50%			
6. <u>Navarretia intertexta</u>	<u>1</u>	<u>no</u>	FACW	□ 3 - Prevalence Index is $\leq 3.0^1$			
7. <u>Scutellaria nana</u>	<u><1</u>	<u>no</u>	<u>NL (UPL)</u>	4 - Morphological Adaptations ¹ (Provide s	supporting		
8				data in Remarks or on a separate she	et)		
9				5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (Ex	(plain)		
11							
50% = <u>43.5</u> , 20% = <u>17.4</u>	<u>87</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic.	y must		
Woody Vine Stratum (Plot size:)							
1							
2				Hydrophytic Vegetation Yes 🗌	No	,	\boxtimes
50% =, 20% =		= Total Cover		Vegetation Yes Present?	NO	· Ł	
% Bare Ground in Herb Stratum <u>13</u>							
Remarks: Transition zone between wet mean	low and sage	brush scrub.					

SOIL	SOIL Sampling Point: <u>401 upland</u> Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)													
Profile Desc	ription: (Describe to	o the depth	needed to d	locumer	nt the indicat	or or conf	irm the absend	ce of	f indicato	rs.)				
Depth	Matrix				Redox Fea	atures								
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			Remarks	5	
<u>0-8</u>	7.5 YR 2.5/3	98	7.5 YR 5	/8	2	<u>C</u>	M		loamysa	nd	_			
											_			
											_			
											_			
											_			
											_			
¹ Type: C= Co	Type: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix													
Hydric Soil I	ators for Pr	oblematic I	lydric S	oils³:										
Histoso	l (A1)			Sandy	Redox (S5)					2 cm Muc	k (A10)			
Histic E	pipedon (A2)			Strippe	ed Matrix (S6)				Red Pare	nt Material (ΓF2)		
Black H	listic (A3)			Loamy	/ Mucky Mine	ral (F1) (e >	(cept MLRA 1))		Very Shal	low Dark Su	rface (TI	-12)	
□ Hydrog	en Sulfide (A4)			Loamy	Gleyed Mati	rix (F2)				Other (Exp	plain in Rem	arks)		
Deplete	ed Below Dark Surfac	ce (A11)		Deplet	ted Matrix (F3	3)								
Thick D	ark Surface (A12)			Redox	o Dark Surfac	e (F6)								
□ Sandy	Mucky Mineral (S1)			Deplet	ted Dark Surf	ace (F7)					Irophytic veg			
□ Sandy	Gleyed Matrix (S4)			Redox	Depressions	; (F8)					logy must be ed or proble		ι,	
Restrictive L	ayer (if present):													
Туре:														
Depth (inches	s):						Hydric Soils	Pres	sent?		Yes		No	\boxtimes
Remarks:														

Wetl	letland Hydrology Indicators:													
Prim	ary Indicators (minimum	of one r	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)			
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)				
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)				
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)				
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)				
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on	Aerial Imag	ery (C9)			
	Drift Deposits (B3)					C3)		Geomorphic Position	(D2)					
	Algal Mat or Crust (B4	·)						Shallow Aquitard (D3))					
	Iron Deposits (B5)						FAC-Neutral Test (D5	5)						
	Surface Soil Cracks (E	36)					Raised Ant Mounds (I	D6) (LRR A)					
	Inundation Visible on	Aerial Im	agery (I	37)		Other (Explain in Remarks)			Frost-Heave Hummoo	cks (D7)				
	Sparsely Vegetated C	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): W	Vetland	d Hyd	trology Present?	Yes	🗆 No			
Desc	ribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:	:							
Rem	arks: Data point loc	ated on 2	2% slop	e eleva	ted fro	m wet meadow.								

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		С	ity/County:	Unir	corpo	rated/Placer	Sampling D	ate:	06/	11/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State: CA	Sampling P	oint:	<u>401</u>	wetla	nd
Investigator(s):	S. Inneck	en, J.	Hale_					S	ection	, Township, Rang	ge: <u>21,17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)): <u>n</u>	neadow			Local reli	ef (concave	e, conve	ex, noi	ne):		Slop	oe (%):		
Subregion (LRR):	MLRA 2	2 <u>2</u> A		Lat:	<u>39.299499</u>			Long:	-120	.116269		Datum:	WGS8	<u>4</u>	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	opes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this tii	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	sturbed?	Are "No	rmal Ci	rcums	tances" present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, ı	naturally proble	ematic?	(If need	ed, exp	lain ar	ny answers in Re	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No										
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No					
Wetland Hydrology Present?		\boxtimes	No										
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72													

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:			
1				Number of Dominant Species	1		(A)
2				That Are OBL, FACW, or FAC:	<u>1</u>		(A)
3				Total Number of Dominant	2		(B)
4				Species Across All Strata:	<u>2</u>		(D)
50% =, 20% =		= Total Cover		Percent of Dominant Species	50		(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	50		(A/D)
1				Prevalence Index worksheet:			
2				Total % Cover of:	Multiply b	<u>by:</u>	
3				OBL species	x1 =		
4				FACW species <u>40</u>	x2 = 8	<u>80</u>	
5				FAC species <u>45</u>	x3 =	135	
50% =, 20% =		= Total Cover	·	FACU species <u>20</u>	x4 = 8	<u>80</u>	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species	x5 =		
1. <u>Carex angustata</u>	<u>35</u>	yes	FACW	Column Totals: (A)	í	<u>295</u> (B)	
2. <u>Penstemon rydbergii</u>	<u>20</u>	<u>yes</u>	FACU	Prevalence Index = B/A =	= <u>2.8</u>		
3. Symphyotrichum spathulatum	<u>15</u>	no	FAC	Hydrophytic Vegetation Indicators:			
4. <u>Potentilla gracilis</u>	<u>15</u>	<u>no</u>	FAC	1 – Rapid Test for Hydrophytic Vegetation	on		
5. Juncus balticus	<u>5</u>	<u>no</u>	FAC	2 - Dominance Test is >50%			
6. <u>Trifolium longipes</u>	<u>5</u>	no	FAC	3 - Prevalence Index is $\leq 3.0^1$			
7. <u>Stellaria longipes</u>	<u>5</u>	<u>no</u>	FACW	4 - Morphological Adaptations ¹ (Provide	supportin	a	
8				data in Remarks or on a separate she	eet)		
9				5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (Ex	xplain)		
11							
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover	•	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	y must		
Woody Vine Stratum (Plot size:)				be present, unless disturbed of problematic.			
1							
2				Hydrophytic			_
50% =, 20% =		= Total Cover	-	Vegetation Yes Present?		No	
% Bare Ground in Herb Stratum							
Remarks:				1			

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOI	L									Samp	ling Point: <u>401</u>	wetland		
Prof	ile Descr	iption: (Describe t	o the depti	n needed to d	locument tl	ne indicato	r or conf	irm the absen	ce of indica	ators.)				
D	epth	Matrix			I	Redox Feat	ures							
(incł	nes)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Textu	е	I	Remarks		
<u>(</u>)-1.5	organic												
1	.5-5	<u>2.5 YR 2.5/1</u>	<u>100</u>		_		<u>C</u>	M	sandy					
ţ	<u>5-12</u>	<u>10 YR 2/1</u>	<u>99</u>	<u>2.5 YR 1</u>	/8	<u>1</u>			"					
_					_									
_					_									
_					_						_			
_					_									
_					_						_			
1Тур	e: C= Co	ncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=Cov	ered or Co	ated Sand	I Grains. ²	Location: P	L=Pore Linin	g, M=Matrix			
Hydi	ric Soil Ir	dicators: (Applica	ble to all L	.RRs, unless	otherwise	noted.)			Inc	licators for	Problematic H	lydric S	oils ³ :	
	Histosol	(A1)			Sandy Re	edox (S5)				2 cm M	uck (A10)			
	Histic E	pipedon (A2)			Stripped	Matrix (S6)				Red Pa	rent Material (1	F2)		
	Black H	stic (A3)			Loamy M	ucky Minera	al (F1) (ex	(cept MLRA 1)		Very Sh	allow Dark Su	rface (TF	12)	
	Hydroge	en Sulfide (A4)			Loamy G	leyed Matrix	x (F2)			Other (E	xplain in Rem	arks)		
	Deplete	d Below Dark Surfa	ce (A11)		Depleted	Matrix (F3)								
	Thick D	ark Surface (A12)		\boxtimes	Redox Da	ark Surface	(F6)							
	Sandy M	/lucky Mineral (S1)			Depleted	Dark Surfa	ce (F7)		³ ln		ydrophytic veg			
	Sandy C	Gleyed Matrix (S4)			Redox De	pressions	(F8)				rology must be rbed or problei		,	
Rest	rictive L	ayer (if present):												
Туре	:													
Dept	h (inches):						Hydric Soils	Present?		Yes	\boxtimes	No	
Rem	arks:	Soil is moist.												

Wetla	and Hydrology Indicat	ors:										
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)				C3)	\boxtimes	Geomorphic Position	(D2)				
	Algal Mat or Crust (B4	·)						Shallow Aquitard (D3))			
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)	
	Inundation Visible on	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummoo	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	Water Table Present? Yes N Saturation Present? Yes N (includes capillary fringe) Yes N					Depth (inches): W	Vetland	Hyo	drology Present?	Yes	🖾 No	
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:						
Rem	arks:											

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		С	ity/County:	Truc	kee/N	evada	Sampling D	ate:	06/	12/20 ⁻	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State: <u>CA</u>	Sampling P	oint:	<u>501</u>	uplar	<u>1d</u>
Investigator(s):	I. de Geo	ofroy, S	. Creer					S	ection,	Township, Rang	ge: <u>21,17N</u>	l, 16E			
Landform (hillslope, ter	race, etc.): _				Local reli	ef (concave	e, conve	ex, nor	ne): <u>none</u>		Slop	be (%):		_
Subregion (LRR):	MLRA 2	2 <u>2A</u>		Lat:	39.325277			Long:	<u>-120</u>	170256		Datum:	WGS8	<u>84</u>	
Soil Map Unit Name:	<u>Aquolls</u>	and Bo	orolls, 0 to 5 per	cent slo	opes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	or this ti	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	rcums	tances" present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□ , ı	naturally proble	ematic?	(If need	ed, exp	lain ar	ny answers in Re	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes		No	\boxtimes									
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes				
Wetland Hydrology Present?	Yes		No	\boxtimes									
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72													

marks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfail for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:			
1				Number of Dominant Species	0		(A)
2				That Are OBL, FACW, or FAC:	<u>0</u>		(A)
3				Total Number of Dominant	4		(B)
4				Species Across All Strata:	4		(D)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	0		(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	<u>v</u>		(,,,,,,)
1. <u>Artemisia tridentata</u>	<u>50</u>	yes	NL (UPL)	Prevalence Index worksheet:			
2				Total % Cover of:	Multiply b	by:	
3				OBL species	x1 =		
4				FACW species	x2 =		
5				FAC species	x3 =		
50% =, 20% =	<u>50</u>	= Total Cove	r	FACU species <u>15</u>	x4 =	<u>60</u>	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species <u>60</u>	x5 =	<u>300</u>	
1. <u>Polygonum douglasii</u>	<u>10</u>	<u>yes</u>	FACU	Column Totals: <u>75</u> (A)		<u>360</u> (B)	
2. <u>Bromus tectorum</u>	<u>10</u>	<u>yes</u>	<u>NL (UPL)</u>	Prevalence Index = B/A =	= <u>4.8</u>		
3. <u>Collinsia parviflora</u>	<u>5</u>	<u>yes</u>	FACU	Hydrophytic Vegetation Indicators:			
4				1 – Rapid Test for Hydrophytic Vegetation	on		
5				2 - Dominance Test is >50%			
6				□ 3 - Prevalence Index is $\leq 3.0^1$			
7				- 4 - Morphological Adaptations ¹ (Provide	supportir	na	
8				data in Remarks or on a separate sh		5	
9				5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (E.	xplain)		
11					• •		
50% = <u>12.5</u> , 20% = <u>5</u>	<u>25</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	jy must		
Woody Vine Stratum (Plot size:)				be present, unless disturbed of problematic.			
1							
2				Hydrophytic			_
50% =, 20% =		= Total Cove	r	Vegetation Yes Present?		No	\boxtimes
% Bare Ground in Herb Stratum 25				Fiesent			
Remarks:				1			

SOIL	-										Samplir	ng Point: <u>501</u>	upland		
Profil	le Descr	iption: (Describe to	o the depth	n needed to d	locum	ent the indica	ator or conf	irm the absen	ice o	of indicato	rs.)				
De	epth	Matrix				Redox Fe	eatures								
(inche	es)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			Remarks	3	
<u>0</u> -	-12	7.5 YR 2.5/3	98	10 YR 2	/1	1	<u>C</u>	M		loamysa	nd	_			
				<u>7.5 YR 5</u>	<u>i/8</u>	<u>1</u>	<u>C</u>	<u>M</u>				_			
												_			
												_			
												-			
												_			
												_			
¹ Type	: C= Co	ncentration, D=Depl	etion, RM=	Reduced Mat	rix, CS	=Covered or C	Coated Sand	d Grains. ²	² Loc	ation: PL=	Pore Lining,	M=Matrix			
Hydri	ic Soil Ir	dicators: (Applica	ble to all L	RRs, unless	otherv	vise noted.)				Indic	ators for Pr	oblematic I	Hydric S	oils ³ :	
	Histoso	(A1)			Sand	dy Redox (S5))				2 cm Muc	k (A10)			
	Histic E	pipedon (A2)			Strip	ped Matrix (S	6)				Red Pare	nt Material (TF2)		
	Black H	istic (A3)			Loan	ny Mucky Min	eral (F1) (e)	(cept MLRA 1))		Very Shal	low Dark Su	rface (T	-12)	
	Hydroge	en Sulfide (A4)			Loan	ny Gleyed Ma	trix (F2)				Other (Ex	plain in Rem	arks)		
	Deplete	d Below Dark Surfa	ce (A11)		Depl	leted Matrix (F	3)								
	Thick D	ark Surface (A12)			Rede	ox Dark Surfa	ce (F6)								
	Sandy I	Mucky Mineral (S1)			Depl	leted Dark Sui	rface (F7)				,	rophytic veg	·		
	Sandy (Gleyed Matrix (S4)			Rede	ox Depressior	ns (F8)					logy must be ed or proble		t,	
Restr	ictive L	ayer (if present):										·			
Type:															
Depth	n (inches):						Hydric Soils	s Pre	esent?		Yes		No	
Rema	arks:														

Wetl	and Hydrology Indicat	ors:										
Prim	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)		
	High Water Table (A2)				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)				C3)		Geomorphic Position	(D2)				
	Algal Mat or Crust (B4	+)						Shallow Aquitard (D3)			
	Iron Deposits (B5)						FAC-Neutral Test (D5	5)				
	Surface Soil Cracks (B	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D6) (LRR A)	
	Inundation Visible on	Aerial Ima	agery (I	37)		Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): W	Vetland	d Hyd	drology Present?	Yes	🗆 No	
Desc	cribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:	:					
Rem	arks:											

Project Site:	<u>650 Line</u>	Rebui	ld Project (Phase		Ci	ty/County:	Truc	kee/N	levada	S	ampling D	Date:	06/	2/201	14	
Applicant/Owner:	Liberty L	Jtilities	(CalPeco Electri	<u>c)</u>						State:	<u>CA</u> S	ampling F	Point:	<u>501</u>	(a) we	etland
Investigator(s):	I. de Geo	ofroy, S	S. Creer					S	ection,	, Townsh	ip, Range:	<u>21, 17</u>	N, 16E			
Landform (hillslope, te	rrace, etc	.): _				Local relie	ef (concave	, conve	ex, nor	ne): <u>no</u>	one		Slop	e (%):	-	_
Subregion (LRR):	MLRA	<u>22A</u>		Lat	: <u>39.325811</u>			Long:	<u>-120.</u>	.170299			Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and B	orolls, 0 to 5 per	cent sl	opes					N	WI classif	ication:	<u>N/A</u>			
Are climatic / hydrologi	c conditio	ons on t	the site typical fo	or this t	ime of year?	Yes		No	\boxtimes	(If no, e	xplain in F	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dist	turbed?	Are "Nor	mal Ci	rcumst	tances" p	resent?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	matic?	(If neede	ed, exp	lain ar	ny answe	rs in Rem	arks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No										
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No					
Wetland Hydrology Present?	Yes	\boxtimes	No										
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72													

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2				That Are OBL, FACW, or FAC:	(A)
3				Total Number of Dominant	(B)
4				Species Across All Strata: [∠]	(D)
50% =, 20% =		= Total Cover		Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	(A/D)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =		= Total Cover		FACU species x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. <u>Arnica mollis</u>	<u>50</u>	yes	FAC	Column Totals:(A)(B)
2. <u>Agrostis idahoensis</u>	<u>25</u>	yes	FACW	Prevalence Index = B/A =	
3. Juncus balticus	<u>10</u>	no	FACW	Hydrophytic Vegetation Indicators:	
4. Penstemon rydbergii	<u>5</u>	no	FACU	1 – Rapid Test for Hydrophytic Vegetation	
5. Hordeum brachyantherum	<u>5</u>	no	FACW	☑ 2 - Dominance Test is >50%	
6. <u>Trifolium longipes</u>	<u>4</u>	no	FAC	□ 3 - Prevalence Index is $\leq 3.0^{1}$	
7. <u>Ranunculus alismifolius</u>	<u>1</u>	no	FACW	4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	_
50% =, 20% =		= Total Cover		Vegetation Yes 🛛 No Present?	
% Bare Ground in Herb Stratum					
Remarks:				·	

Prof	ile Desci	iption: (Describe t	o the depth	needed to d	ocumer	nt the indica	ator or conf	irm the abse	nce of indica	ators.)					
C	Depth	Matrix				Redox Fe	eatures								
(incl	hes)	Color (moist)	%	Color (mo	ist)	%	Type ¹	Loc ²	Textu	е			Remark	5	
	0-1	organic	100							_					
	<u>1-4</u>	7.5 YR 3/2	<u>80</u>	<u>7.5 YR 5/</u>	8	<u>20</u>	<u>C</u>	M	loamy	sand	<u>also gra</u>	avel, likely	fill		
4	<u>4-12</u>	<u>10 YR 2/2</u>	<u>49</u>	<u>7.5 YR 5/</u>	8	<u>20</u>	<u>C</u>	<u>M</u>	loamy	sand					
_				<u>10 YR 6/</u>	<u>8</u>	<u>1</u>	<u>C</u>	<u>M</u>	loamy	sand					
_				<u>10 YR 2/</u>	<u>1</u>	<u>30</u>	<u>C</u>	M	loamy	sand					
_										_					
-										_					
_															
1Тур	ype: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix														
Hyd	ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :														
	Histoso	I (A1)		\boxtimes	Sandy	Redox (S5)			2 c	m Muck	(A10)			
	Histic E	pipedon (A2)			Strippe	ed Matrix (S	6)			Re	d Parent	Material (TF2)		
	Black H	listic (A3)			Loamy	/ Mucky Min	neral (F1) (e)	cept MLRA	1) 🗆	Ve	ry Shallo	w Dark Su	Irface (T	F12)	
	Hydrog	en Sulfide (A4)			Loamy	/ Gleyed Ma	atrix (F2)			Ot	her (Expla	ain in Rem	arks)		
	Deplete	d Below Dark Surfa	ce (A11)		Deplet	ted Matrix (F	-3)								
	Thick D	ark Surface (A12)			Redox	Dark Surfa	ce (F6)								
	Sandy	Mucky Mineral (S1)			Deplet	ted Dark Su	rface (F7)					phytic veg	,		
	Sandy	Gleyed Matrix (S4)			Redox	Depression	ns (F8)					gy must be d or proble		ιτ,	
Rest	trictive L	ayer (if present):													
Туре	e:														
Dept	th (inches	i):						Hydric Soi	Is Present?			Yes	\boxtimes	No	
Rem	Remarks: Upper layer concists of fill dirt from the past installaton of the adjacent utility pole.														

HYDROLOGY

Wetl	and Hydrology Indicat	ors:											
Prim	ary Indicators (minimum	of one re	equired	; check	all that	t apply)	Se	condary Indicators (2 or	more requir	ed)			
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leave	s (B9)				
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and	4B)				
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B	10)				
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Ta	able (C2)				
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		Saturation Visible on	Aerial Image	ery (C9)			
	Drift Deposits (B3)				\boxtimes	Oxidized Rhizospheres along Living Roots (C3)	3) 🛛	Geomorphic Position	(D2)				
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)	Shallow Aquitard (D3)					
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)					
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)			
	Inundation Visible on	Aerial Ima	agery (B	37)		Other (Explain in Remarks)		Frost-Heave Hummo	cks (D7)				
	Sparsely Vegetated C	oncave S	Surface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	ation Present? des capillary fringe)	Yes		No		Depth (inches): We	etland Hy	drology Present?	Yes	🖾 No			
Desc	ribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:							
Rem	arks:												

Sampling Point: 501(a) wetland

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		City	//County:	Truc	kee/N	evada_	Sampling D	ate:	06/	2/201	4
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State: CA	Sampling P	oint:	<u>501</u>	wetla	nd
Investigator(s):	I. de Geo	ofroy, S	. Creer					S	ection,	Township, Rang	ge: <u>21,17N</u>	<u>l, 16E</u>			
Landform (hillslope, ter	race, etc.)): _				Local relief	(concave	e, conve	ex, nor	ne): <u>none</u>		Slop	e (%):		_
Subregion (LRR):	MLRA 2	22A		Lat	39.3254			Long:	<u>-120.</u>	170217		Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	opes					NWI class	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain in	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	turbed?	Are "No	rmal Ci	rcumst	tances" present?	•	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	matic?	(If need	ed, exp	lain ar	iy answers in Re	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 iı	nches	i, 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2				That Are OBL, FACW, or FAC:	(A)
3				Total Number of Dominant	(B)
4				Species Across All Strata: ∠	(D)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	(A/D)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3	;			OBL species x1 =	
4	;			FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =		= Total Cove	r	FACU species x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. Elymus trachycaulus ssp. trachycaulis	<u>50</u>	<u>yes</u>	FAC	Column Totals: (A) (B))
2. <u>Agrostis idahoensis</u>	<u>30</u>	<u>yes</u>	FACW	Prevalence Index = B/A =	
3. <u>Potentilla gracilis</u>	<u>5</u>	<u>no</u>	FAC	Hydrophytic Vegetation Indicators:	
4. <u>Stellaria longipes</u>	<u>5</u>	no	FACW	1 – Rapid Test for Hydrophytic Vegetation	
5. <u>Polygonum douglasii</u>	<u>2</u>	<u>no</u>	FACU	2 - Dominance Test is >50%	
6				□ 3 - Prevalence Index is $\leq 3.0^1$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>46</u> , 20% = <u>18.4</u>	<u>92</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	_
50% =, 20% =		= Total Cove	r	Vegetation Yes 🖾 No Present?	
% Bare Ground in Herb Stratum 8					
Remarks:					

SOIL											Samplin	g Point: <u>50′</u>	l wetland	<u>t</u>	
Profile	e Descr	iption: (Describe te	o the dept	h needed to d	ocume	nt the indic	ator or conf	firm the absen	nce	of indicato	rs.)				
De	pth	Matrix				Redox F	eatures								
(inche	s)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			Remarks	3	
0-	12	7.5 YR 2.5/2	91	7.5 YR 5	/8	7	<u>C</u>	M	•	<u>loamy sa</u>	nd	_			
				<u>10 YR 2</u>	/1	<u>1</u>	<u>C</u>	M				_			
				<u>10 YR 4</u>	/8	<u>1</u>	<u>C</u>	M				_			
												_			
												_			
												_			
												-			
¹ Type:	C= Cor	ncentration, D=Depl	etion. RM=	Reduced Mat	rix. CS=	Covered or	Coated Sand	d Grains. 2	² Loc	cation: PL=	Pore Lining,	M=Matrix			
		dicators: (Applica									ators for Pr		Hvdric S	oils ³ :	
	Histosol			⊠		y Redox (S5	5)				2 cm Muc		,		
		oipedon (A2)				oed Matrix (S	,					nt Material (TF2)		
		stic (A3)				·	,	(cept MLRA 1)			low Dark Su	,	F12)	
		en Sulfide (A4)				y Gleyed M	· / ·		,			plain in Rem		,	
		d Below Dark Surfa	ce (A11)			eted Matrix (()								
		ark Surface (A12)	,			x Dark Surfa	,								
		Aucky Mineral (S1)				eted Dark Su	. ,			³ Indic	ators of hyd	rophytic veg	getation a	and	
		Gleyed Matrix (S4)				x Depressio	. ,				tland hydro			t,	
		ayer (if present):			nouo	x Doprocolo				un	less disturb	ed or proble	matic.		
Type:		ayer (ii present).													
	(inches	·						Hydric Soils	e Dr	ocont?		Yes	\boxtimes	No	
Remai	•	Soil is too light to m	ootcondy	rodov critorion				Tiyune Sons	511	csenti		163		NO	
Remai	NO.		eersanuy		•										

Wetl	and Hydrology Indicat	ors:												
Prim	ary Indicators (minimum	of one r	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more require	ed)			
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)				
	High Water Table (A2)				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)				
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)				
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)				
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on Aerial Imagery (C9)					
						Oxidized Rhizospheres along Living Roots (C	C3)	\boxtimes	Geomorphic Position	(D2)				
	5					Presence of Reduced Iron (C4)	Shallow Aquitard (D3)						
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)	ecent Iron Reduction in Tilled Soils (C6)							
	Surface Soil Cracks (I	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D6) (LRR A)				
	Inundation Visible on	Aerial Im	agery (l	B7)		Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)				
	Sparsely Vegetated C	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):								
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches):	Netlan	d Hye	drology Present?	Yes	🖾 No			
Desc	cribe Recorded Data (st	ream gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available	e:							
Rem	arks: Soil is moist;	located w	ithin a	topogra	phic de	epression surrounded by Pinus ponderosa and	lsages	scrub						

14
nd

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes					
Remarks: According to the Natural Resources Con	servatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	., 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2				That Are OBL, FACW, or FAC:	(A)
3				Total Number of Dominant	(B)
4				Species Across All Strata:	(D)
50% =, 20% =		= Total Cover	r	Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	(A/D)
1. Artemisia tridentata	<u>25</u>	<u>yes</u>	NL (UPL)	Prevalence Index worksheet:	
2. Purshia tridentata var. glandulosa	<u>2</u>	no	NL (UPL)	Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% = <u>13.5</u> , 20% = <u>5.4</u>	<u>27</u>	= Total Cover		FACU species x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. Juncus balticus	<u>50</u>	yes	FACW	Column Totals: (A) (E	3)
2. <u>Carex angustata</u>	<u>49</u>	<u>yes</u>	FACW	Prevalence Index = B/A =	
3. <u>Bromus tectorum</u>	<u>1</u>	no	<u>NL (UPL)</u>	Hydrophytic Vegetation Indicators:	
4				1 – Rapid Test for Hydrophytic Vegetation	
5				2 - Dominance Test is >50%	
6				□ 3 - Prevalence Index is $\leq 3.0^1$	
7				 4 - Morphological Adaptations¹ (Provide supporting 	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover	-	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)				be present, unless disturbed of problematic.	
1					
2				Hydrophytic	_
50% =, 20% =		= Total Cover	·	Vegetation Yes 🛛 No Present?	
% Bare Ground in Herb Stratum					
Remarks:					

SOIL									Samplir	ng Point: <u>503</u>	3 upland		
Profile Desci	ription: (Describe to	o the depth	needed to d	ocument the	indicator or co	onfirm the abse	ence	of indicato	rs.)				
Depth	Matrix			Red	dox Features								
(inches)	Color (moist)	%	Color (mo	oist) %	Б Туре	e ¹ Loc ²		Texture			Remarks	;	
<u>0-12</u>	10.5 YR 3/2	100	-	-	:			loamy sai	nd	_			
										_			
										_			
										_			
										_			
										_			
										_			
										-			
¹ Type: C= Co	ncentration, D=Depl	etion, RM=	Reduced Mati	ix, CS=Covere	d or Coated S	and Grains.	² Loc	cation: PL=I	Pore Lining,	M=Matrix			
Hydric Soil II	ndicators: (Applica	ble to all L	RRs, unless (otherwise not	ed.)			Indica	ators for Pi	oblematic I	Hydric S	oils³:	
Histoso	I (A1)			Sandy Redo	x (S5)				2 cm Muc	k (A10)			
Histic E	pipedon (A2)			Stripped Ma	trix (S6)				Red Pare	nt Material (TF2)		
Black H	listic (A3)			Loamy Muck	y Mineral (F1)	(except MLRA	1)		Very Shal	low Dark Su	rface (TI	-12)	
□ Hydrog	en Sulfide (A4)			Loamy Gley	ed Matrix (F2)				Other (Ex	plain in Rem	arks)		
Deplete	ed Below Dark Surface	ce (A11)		Depleted Ma	ıtrix (F3)								
Thick D	ark Surface (A12)			Redox Dark	Surface (F6)								
□ Sandy	Mucky Mineral (S1)			Depleted Da	rk Surface (F7))				lrophytic veg logy must be	,		
□ Sandy (Gleyed Matrix (S4)			Redox Depr	essions (F8)					ed or proble		ι,	
Restrictive L	ayer (if present):												
Туре:													
Depth (inches	s):					Hydric Soi	ls Pr	esent?		Yes		No	
Remarks:	No mottles observe	d.											

Wetl	and Hydrology Indicat	ors:										
Prim	ary Indicators (minimum	of one r	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on	Aerial Imag	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots ((C3)		Geomorphic Position	(D2)		
	Algal Mat or Crust (B4	·)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D6) (LRR A)	
	Inundation Visible on	Aerial Im	agery (I	37)		Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ation Present? des capillary fringe)	Yes		No		Depth (inches):	Wetlan	d Hyd	drology Present?	Yes	🗆 No	
Desc	ribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available	e:					
Rem	arks: The test pit is	located o	on a site	e with a	5% slo	ope and no evidence of wetland hydrology.						

Project Site:	650 Line	Rebuil	<u>d Project (Phase</u>	<u>ə 1A)</u>		Ci	ty/County:	Unin	corpo	rated/Placer	Sampling D	Date:	06/1	12/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electric	<u>c)</u>						State: <u>CA</u>	Sampling F	oint:	<u>601</u>	uplar	nd
Investigator(s):	S. Inneck	en, J.	Hale_					Se	ection,	Township, Rang	ge: <u>21,17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)): <u>n</u>	neadow			Local relie	ef (concave	e, conve	x, nor	ne): <u>none</u>		Slop	e (%):		
Subregion (LRR):	MLRA 2	2 <u>2</u> A		Lat	: <u>39.299073</u>			Long:	<u>-120.</u>	105774		Datum:	WGS8	4	
Soil Map Unit Name:	<u>Aldi-Kyt</u>	ourz co	mplex, 2 to 30 p	ercent	slopes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	rmal Ci	cumst	ances" present?	•	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	led, expl	ain ar	ly answers in Re	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	Stable for Truckee, the ave annual rainfall for May 2014 is	: 0 67 iı	nches	1 72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual raintall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

VEGETATION – Use scientific names of plants Absolute Dominant Indicator Tree Stratum (Plot size: _) **Dominance Test Worksheet:** % Cover Species? Status 1. _____ Number of Dominant Species 2 (A) That Are OBL, FACW, or FAC: 2. _____ 3. Total Number of Dominant (B) 3 Species Across All Strata: 4. 50% = ____, 20% = _ = Total Cover Percent of Dominant Species 66 (A/B) That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: 1 sq. m) 1. Artemisia arbuscula 70 NL (UPL) Prevalence Index worksheet: yes 2. Total % Cover of: Multiply by: 3. OBL species x1 = 4. FACW species x2 = 5. ____ FAC species x3 = 50% = ____, 20% = ___ = Total Cover 70 FACU species x4 = Herb Stratum (Plot size: 1 sq. m.) UPL species x5 = 1. Juncus balticus FACW 8 yes Column Totals: _ (A) ___ (B) 2. Potentilla gracilis 15 <u>yes</u> FAC Prevalence Index = B/A = 3. Balsamorhiza hookeri 2 <u>NL (UPL)</u> Hydrophytic Vegetation Indicators: no 4. 1 - Rapid Test for Hydrophytic Vegetation 5. \boxtimes 2 - Dominance Test is >50% 6. 3 - Prevalence Index is <3.01 7. _____ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 8. 9. 5 - Wetland Non-Vascular Plants¹ 10. _____ Problematic Hydrophytic Vegetation¹ (Explain) 11. ____ ¹Indicators of hydric soil and wetland hydrology must 50% = <u>12.5</u>, 20% = <u>5</u> <u>25</u> = Total Cover be present, unless disturbed or problematic. Woody Vine Stratum (Plot size: 1. _____ Hydrophytic 2. \boxtimes Vegetation Yes No 50% = _, 20% = = Total Cover Present? % Bare Ground in Herb Stratum 5 Remarks:

US Army Corps of Engineers

SOIL										5	Sampling Point: <u>601 (</u>	upland		
Profi	le Descrij	otion: (Describe to	o the depth	needed to d	locumei	nt the indica	tor or cont	firm the absen	ce of indi	cators.	.)			
D	epth	Matrix				Redox Fe	atures							
(inch	es)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	Text	ure		Remarks	;	
	12	7.5 YR 2.5/3	97	10 YR 5	/8	3	<u>C</u>	M			loamy sand			
									_					
									_					
									_					
									_					
									_					
									_					
									_					
¹ Type	e: C= Con	centration, D=Depl	etion, RM=F	Reduced Mat	rix, CS=0	Covered or C	Coated Sand	d Grains. ²	Location:	PL=Po	re Lining, M=Matrix			
Hydr	ic Soil Inc	licators: (Applica	ble to all LF	RRs, unless	otherwi	se noted.)			h	ndicato	ors for Problematic	Hydric S	oils³:	
	Histosol	(A1)			Sandy	/ Redox (S5)	1		0] 2	2 cm Muck (A10)			
	Histic Ep	ipedon (A2)			Stripp	ed Matrix (S	6)		[] F	Red Parent Material (TF2)		
	Black His	tic (A3)			Loam	y Mucky Min	eral (F1) (e :	xcept MLRA 1)) [/ery Shallow Dark Su	urface (TF	-12)	
	Hydrogei	n Sulfide (A4)			Loam	y Gleyed Ma	trix (F2)		0		Other (Explain in Rem	narks)		
	Depleted	Below Dark Surface	ce (A11)		Deple	ted Matrix (F	3)							
	Thick Da	rk Surface (A12)			Redo	x Dark Surfa	ce (F6)							
	Sandy M	ucky Mineral (S1)			Deple	ted Dark Su	face (F7)		3		ors of hydrophytic veg			
	Sandy G	eyed Matrix (S4)			Redo	x Depressior	is (F8)				and hydrology must b as disturbed or proble		t,	
Rest	rictive La	yer (if present):									•			
Туре	:													
Dept	h (inches):							Hydric Soils	Present	?	Yes		No	\boxtimes
Rema	arks:													

Wetl	and Hydrology Indicate	ors:						
Prim	ary Indicators (minimum	of one re	equired	; check	all that	apply)	Sec	condary Indicators (2 or more required)
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on Aerial Imagery (C9)
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🖾	Geomorphic Position (D2)
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)
	Surface Soil Cracks (B	86)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated Co	oncave S	urface	(B8)				
Field	Observations:							
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):		
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):		
	ration Present? des capillary fringe)	Yes		No		Depth (inches): We	etland Hy	drology Present? Yes 🛛 No 🗌
Desc	cribe Recorded Data (stre	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available:		
Rem	arks:							

Project Site:	650 Line	Rebuil	d Project (Phase	<u>e 1A)</u>		Cit	y/County:	Unin	corpor	rated/Plac	<u>cer</u> Sar	mpling D	ate:	06/*	2/201	14
Applicant/Owner:	Liberty Ut	ilities (CalPeco Electri	<u>c)</u>						State: 0	<u>CA</u> Sar	mpling P	oint:	<u>601</u>	wetla	ind
Investigator(s):	S. Inneck	en, J. I	Hale_					Se	ection,	Township	p, Range:	<u>21, 17N</u>	l, 17E			
Landform (hillslope, te	rrace, etc.)	: <u>m</u>	neadow			Local relief	f (concave	e, conve	x, non	ne): <u>no</u>	ne		Slop	e (%):		_
Subregion (LRR):	MLRA 2	<u>2A</u>		Lat:	<u>39.299073</u>			Long:	<u>-120.</u>	105774			Datum:	WGS8	4	
Soil Map Unit Name:	<u>Aldi-Kyb</u>	ourz co	mplex, 2 to 30 p	ercent	slopes					NV	VI classifica	ation:	N/A			
Are climatic / hydrolog	c conditior	ns on t	he site typical fo	r this tiı	me of year?	Yes		No	\boxtimes	(If no, ex	xplain in Re	marks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Cir	cumst	tances" pr	resent?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, ı	naturally proble	matic?	(If need	ed, expl	ain an	iy answer	rs in Remar	ks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Con	servatio	on Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	. 1.72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species	4	(A)
2				That Are OBL, FACW, or FAC:	<u>1</u>	(A)
3				Total Number of Dominant	1	(B)
4				Species Across All Strata:	<u> </u>	(D)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	100	(/ (/ D)
1				Prevalence Index worksheet:		
2				<u>Total % Cover of:</u>	<u>Multiply by:</u>	
3				OBL species	x1 =	
4				FACW species	x2 =	
5				FAC species	x3 =	
50% =, 20% =		= Total Cove	r	FACU species	x4 =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	
1. Juncus balticus	<u>80</u>	yes	FACW	Column Totals: (A)		(B)
2. <u>Microsteris gracilis</u>	<u>8</u>	no	FACU	Prevalence Index = B/A =		
3. <u>Carex angustata</u>	<u>5</u>	no	FACW	Hydrophytic Vegetation Indicators:		
4. Symphyotrichum spathulatum	<u>5</u>	<u>no</u>	FAC	1 – Rapid Test for Hydrophytic Vegetation	on	
5. <u>Polygonum douglasii</u>	<u>2</u>	<u>no</u>	FACU	2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide	supporting	
8				data in Remarks or on a separate sh	eet)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)	
11				4		
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	y must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic Vegetation Yes 🛛	No	
50% =, 20% =		= Total Cove	r	Present?		
% Bare Ground in Herb Stratum						
Remarks:				•		

SOIL									Sampling Poi	nt: <u>601 w</u>	etland		
Profile Des	cription: (Describe t	o the depth	needed to d	documen	t the indicato	or or conf	irm the absence	of indica	tors.)				
Depth	Matrix				Redox Feat	ures							
(inches)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	Texture	e	F	Remarks		
0-2	organic	100				-							
<u>2-12</u>	7.5 YR 3/2	<u>95</u>	<u>7.5 YR 5</u>	5/8	<u>5</u>	<u>C</u>	M	clay lo	am				
				_									
				_									
				-									
;				-									
;				-									
				-									
¹ Type: C= C	Concentration, D=Dep	letion, RM=	Reduced Mat	trix, CS=C	overed or Co	ated Sand	I Grains. ² Lo	ocation: PL	=Pore Lining, M=	Matrix			
Hydric Soil	Indicators: (Applica	ble to all L	RRs, unless	otherwis	e noted.)			Ind	icators for Probl	ematic H	lydric S	oils³:	
Histos	sol (A1)			Sandy	Redox (S5)				2 cm Muck (A	.10)			
Histic	Epipedon (A2)			Strippe	d Matrix (S6)				Red Parent M	laterial (T	F2)		
Black	Histic (A3)			Loamy	Mucky Miner	al (F1) (e >	(cept MLRA 1)		Very Shallow	Dark Sur	face (TF	12)	
Hydro	ogen Sulfide (A4)			Loamy	Gleyed Matri	x (F2)			Other (Explain	n in Rema	arks)		
Deple	eted Below Dark Surfa	ce (A11)		Deplete	ed Matrix (F3)								
Thick	Dark Surface (A12)		\boxtimes	Redox	Dark Surface	(F6)							
□ Sandy	y Mucky Mineral (S1)			Deplete	ed Dark Surfa	ce (F7)			licators of hydrop				
□ Sandy	y Gleyed Matrix (S4)			Redox	Depressions	(F8)			unless disturbed o			ι,	
Restrictive	Layer (if present):												
Туре:													
Depth (inch	es):						Hydric Soils P	resent?		Yes	\boxtimes	No	
Remarks:													

Wetl	Vetland Hydrology Indicators:											
Prim	ary Indicators (minimum	of one re	equired	; check	all that	apply)	S	Seco	ondary Indicators (2 or more required)			
	Surface Water (A1)					Water-Stained Leaves (B9)	C		Water-Stained Leaves (B9)			
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4B)			
	Saturation (A3)					Salt Crust (B11)	E		Drainage Patterns (B10)			
	Water Marks (B1)					Aquatic Invertebrates (B13)	E		Dry-Season Water Table (C2)			
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)	Þ	\triangleleft	Saturation Visible on Aerial Imagery (C	9)		
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3) 🛛	\triangleleft	Geomorphic Position (D2)			
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)	E		Shallow Aquitard (D3)			
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)	E		FAC-Neutral Test (D5)			
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)	C		Raised Ant Mounds (D6) (LRR A)			
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)	C		Frost-Heave Hummocks (D7)			
	Sparsely Vegetated Co	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): W	Netland I	Hyd	Irology Present? Yes 🛛	No		
Desc	ribe Recorded Data (str	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available:	:					
Rem	arks:											

Project Site:	<u>650 Line</u>	Rebuil	d Project (Phase	<u>e 1A)</u>		City	/County:	Unin	corpor	ated/Pla	acer	Sampling D)ate:	06/1	2/201	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State:	CA	Sampling F	oint:	<u>602</u>	uplan	nd
Investigator(s):	S. Inneck	ken, J.	Hale_					Se	ection,	Townsh	nip, Rang	e: <u>21,17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.): _				Local relief	(concave	, conve	x, non	e): <u>r</u>	one		Slop	oe (%):		
Subregion (LRR):	MLRA 2	22A		Lat:	<u>39.301954</u>			Long:	-120.	<u>115398</u>			Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	pes					١	WI class	ification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, e	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dist	urbed?	Are "No	rmal Cir	cumst	ances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□ , ı	naturally proble	matic?	(If need	ed, expl	ain an	y answe	ers in Rer	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes		No	\boxtimes					
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	. 1.72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2				That Are OBL, FACW, or FAC:	(A)
3				Total Number of Dominant	(B)
4				Species Across All Strata:	(D)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	(,,,,,)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	-
5				FAC species $\underline{17}$ $x3 = \underline{51}$	
50% =, 20% =		= Total Cove	r	FACU species $\underline{15}$ $x4 = \underline{60}$	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species <u>60</u> x5 = <u>300</u>	
1. <u>Elymus multisetus</u>	<u>50</u>	<u>yes</u>	<u>NL (UPL)</u>	Column Totals: <u>92</u> (A) <u>411</u> (3)
2. Leucanthemum vulgare	<u>15</u>	yes	FACU	Prevalence Index = $B/A = 4.4$	
3. Poa pratensis subsp. pratensis	<u>10</u>	no	FAC	Hydrophytic Vegetation Indicators:	
4. Lepidium campestre	<u>10</u>	no	<u>NL (UPL)</u>	1 – Rapid Test for Hydrophytic Vegetation	
5. Symphyotrichum spathulatum	<u>5</u>	<u>no</u>	FAC	□ 2 - Dominance Test is >50%	
6. <u>Potentilla gracilis</u>	<u>2</u>	<u>no</u>	FAC	\Box 3 - Prevalence Index is $\leq 3.0^1$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>46</u> , 20% = <u>18.4</u>	<u>92</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic Vegetation Yes □ No	
50% =, 20% =		= Total Cove	r	Vegetation Yes No	
% Bare Ground in Herb Stratum 8					
Remarks:					

SOIL											Sampling Point: 602 upland	
Prof	ile Desc	ription: (Describe t	o the depth	needed to	documei	nt the indicat	or or conf	irm the absend	ce of indi	cators	s.)	
C	Pepth	Matrix				Redox Fea	atures					
(incl	hes)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	Text	ure	Remarks	
	0-12	10 YR 3/3	100	=		-	:		loam	ysand	<u> </u>	
_					_							
-					-				_			
_					_							
-					-				_			
-					-				_			
_					_							
-					-				_			
¹Тур	e: C= Co	oncentration, D=Dep	letion, RM=	Reduced Mat	trix, CS=0	Covered or Co	pated Sand	d Grains. ² l	Location: I	PL=Pc	ore Lining, M=Matrix	
Hyd	ric Soil I	ndicators: (Applica	able to all L	RRs, unless	otherwi	se noted.)			Ir	ndicat	ors for Problematic Hydric Soils ³ :	
	Histoso	ol (A1)			Sandy	y Redox (S5)			C]	2 cm Muck (A10)	
	Histic E	pipedon (A2)			Stripp	ed Matrix (S6)			3	Red Parent Material (TF2)	
	Black H	Histic (A3)			Loam	y Mucky Mine	ral (F1) (ex	(cept MLRA 1)			Very Shallow Dark Surface (TF12)	
	Hydrog	en Sulfide (A4)			Loam	y Gleyed Mati	rix (F2)]	Other (Explain in Remarks)	
	Deplete	ed Below Dark Surfa	ice (A11)		Deple	ted Matrix (F3	3)					
	Thick D	ark Surface (A12)			Redo	x Dark Surface	e (F6)					
	Sandy	Mucky Mineral (S1)			Deple	ted Dark Surf	ace (F7)		3		tors of hydrophytic vegetation and	
	Sandy	Gleyed Matrix (S4)			Redo	x Depressions	6 (F8)				and hydrology must be present, ess disturbed or problematic.	
Rest	trictive L	ayer (if present):									· · · · · · · · · · · · · · · · · · ·	
Туре	: :											
Dept	th (inches	s):						Hydric Soils	Present?	,	Yes 🛛 No 🛛	\boxtimes
Rem	arks:	Gravelly loamy san	d.					1				

Wet	and Hydrology Indicat	ors:								
Prim	ary Indicators (minimum	of one r	equired	; check	all that	t apply)	Sec	ondary Indicators (2 or more required)		
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)		
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on Aerial Imagery (C9)		
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🖾	Geomorphic Position (D2)		
	Algal Mat or Crust (B4	+)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)		
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)		
	Inundation Visible on	Aerial Im	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)						
Field	Observations:									
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):				
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):				
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	Vetland Hy	drology Present? Yes 🛛 No 🗌		
Desc	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Rem	arks: Still at the san	ne elevat	ion as t	he wet	meado	w.				

Project Site:	650 Line	Rebuil	d Project (Phase	<u>e 1A)</u>		City	/County:	Unin	corpor	ated/Pla	acer	Sampling D)ate:	06/1	2/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electric	<u>c)</u>						State:	CA	Sampling P	oint:	<u>602</u>	wetla	ind
Investigator(s):	S. Inneck	en, J. I	Hale_					Se	ection,	Townsh	nip, Rang	e: <u>21,17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)	: <u>n</u>	neadow			Local relief	(concave	, conve	x, non	ie): <u>r</u>	none		Slop	oe (%):		
Subregion (LRR):	MLRA 2	2A		Lat:	<u>39.301954</u>			Long:	-120.	<u>115398</u>			Datum:	WGS8	4	
Soil Map Unit Name:	Aquolls	and Bo	orolls, 0 to 5 per	cent slo	pes					١	WI class	ification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this tiı	me of year?	Yes		No	\boxtimes	(If no, e	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Cir	cumst	ances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, ı	naturally proble	matic?	(If need	ed, expl	ain an	y answe	ers in Rer	narks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	s table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	. 1.72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual raintall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013..

4.	Number of Dominant Species 1 That Are OBL, FACW, or FAC: 1	(^)
3	Total Number of Dominant	(A)
	Total Number of Dominant	
0% =, 20% = = Total Cover sapling/Shrub Stratum (Plot size: 1 sq. m))	Species Across All Strata: 1	(B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)		
	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u>	(A/E
	Prevalence Index worksheet:	
	Total % Cover of: Multiply by:	
	OBL species x1 =	
	FACW species x2 =	
0% =, 20% = = Total Cover erb Stratum (Plot size: 1 sq. m.) = Total Cover • Carex angustata 90 yes FACW • Potentilla gracilis 10 no FAC •	FAC species x3 =	
Berb Stratum (Plot size: 1 sq. m.) . Carex angustata 90 yes FACW . Potentilla gracilis 10 no FAC	FACU species x4 =	
Potentilla gracilis 10 no FAC	UPL species x5 =	
	Column Totals:(A)	(B)
. 0. 1. <	Prevalence Index = B/A =	
. 0. . . . 1. . . . 0% = 50, 20% = 20 100 = Total Cover	Hydrophytic Vegetation Indicators:	
. 0. 1. . . . 0% = 50, 20% = 20 100 = Total Cover	□ 1 – Rapid Test for Hydrophytic Vegetation	
· · 0. 1. 0% = 50, 20% = 20 100 = Total Cover	□ 2 - Dominance Test is >50%	
· 0 1 0% = 50, 20% = 20 100 = Total Cover	\Box 3 - Prevalence Index is $\leq 3.0^1$	
. 0. 1. 0% = 50, 20% = 20 100 = Total Cover	 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 	
0 1 0% = <u>50</u> , 20% = <u>20</u> <u>100</u> = Total Cover	5 - Wetland Non-Vascular Plants ¹	
1. 0% = 50, 20% = 20 100 = Total Cover	 Problematic Hydrophytic Vegetation¹ (Explain) 	
	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Voody Vine Stratum (Plot size:)	be present, unless disturbed of problematic.	
·		
·	Hydrophytic	_
0% =, 20% = = Total Cover	Vegetation Yes No Present?	
6 Bare Ground in Herb Stratum		

SOIL										Sampling Point: 602 wetland
Prof	ile Descri	ption: (Describe t	o the dept	n needed to d	ocument t	he indicato	r or confi	rm the absenc	e of indica	ators.)
D	Pepth	Matrix				Redox Featu	ures			
(inch	hes)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Textur	e Remarks
	0-2	<u>0</u>								
2	<u>2-10</u>	<u>7.5 YR 3/2</u>	<u>97</u>	7.5 YR 5	/8	<u>3</u>	<u>C</u>	M		<u>clay loam</u>
-				<u>5 YR 4/6</u>	<u>6</u>			<u>PL</u>		oxidized root channels
_					-					
_					-					
_					-					
-					-					
_					-					
1Тур	e: C= Cor	centration, D=Dep	letion, RM=	Reduced Matr	rix, CS=Co	vered or Coa	ated Sand	Grains. ² L	ocation: Pl	L=Pore Lining, M=Matrix
Hydı	ric Soil In	dicators: (Applica	able to all L	RRs, unless o	otherwise	noted.)			Ind	licators for Problematic Hydric Soils ³ :
	Histosol	(A1)			Sandy R	edox (S5)				2 cm Muck (A10)
	Histic Ep	oipedon (A2)			Stripped	Matrix (S6)				Red Parent Material (TF2)
	Black Hi	stic (A3)			Loamy N	lucky Minera	al (F1) (ex	cept MLRA 1)		Very Shallow Dark Surface (TF12)
	Hydroge	n Sulfide (A4)			Loamy G	leyed Matrix	(F2)			Other (Explain in Remarks)
	Depleted	d Below Dark Surfa	ice (A11)		Depleted	I Matrix (F3)				
	Thick Da	ark Surface (A12)			Redox D	ark Surface	(F6)			
	Sandy M	lucky Mineral (S1)			Depleted	Dark Surfac	ce (F7)			dicators of hydrophytic vegetation and
	Sandy G	leyed Matrix (S4)			Redox D	epressions (F8)			wetland hydrology must be present, unless disturbed or problematic.
Rest	trictive La	iyer (if present):								
Туре	e:									
Dept	th (inches)	:						Hydric Soils I	Present?	Yes 🖾 No 🗌
Rem	arks:									

Wetl	and Hydrology Indicate	ors:						
Prim	ary Indicators (minimum	of one re	equired	; check	all that	apply)	Sec	condary Indicators (2 or more required)
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)
	High Water Table (A2)	1				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)	\boxtimes	Saturation Visible on Aerial Imagery (C9)
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🛛	Geomorphic Position (D2)
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)
	Surface Soil Cracks (B	86)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated Co	oncave S	Surface	(B8)				
Field	Observations:							
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):		
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):		
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	Vetland Hy	drology Present? Yes 🛛 No 🗌
Desc	cribe Recorded Data (stre	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available:	:	
Rem	arks:							

Project Site:	650 Line	Rebuil	d Project (Phase	<u>e 1A)</u>		Cit	y/County:	Unin	corpor	ated/PI	acer	Sampling D	ate:	06/1	2/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State:	CA	Sampling P	oint:	<u>604</u>	uplan	nd
Investigator(s):	S. Inneck	en, J.	Hale					Se	ection,	Towns	hip, Rang	e: <u>21,17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.)	: <u>te</u>	errace			Local relief	f (concave	e, conve	x, non	ie): <u>i</u>	none		Slop	e (%):		
Subregion (LRR):	MLRA 2	2A		Lat:	39.301977			Long:	<u>-120.</u>	10995			Datum:	WGS8	4	
Soil Map Unit Name:	Inville-R	iverwa	sh-Aquolls com	plex, 2 t	o 5 percent slo	opes				1	WI class	ification:	N/A			
Are climatic / hydrologi	c conditior	ns on t	he site typical fo	r this tin	ne of year?	Yes		No	\boxtimes	(If no,	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, s	ignificantly dist	turbed?	Are "No	rmal Cir	cumst	ances"	present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, n	aturally proble	matic?	(If need	ed, expl	ain an	y answ	ers in Rer	narks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes		No	\boxtimes					
Hydric Soil Present?	Yes		No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes		No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	s table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	. 1.72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfail for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(4)
2				That Are OBL, FACW, or FAC:	(A)
3				Total Number of Dominant	(B)
4				Species Across All Strata:	(D)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	(/////)
1. <u>Ericameria nauseosa</u>	<u>30</u>	<u>yes</u>	<u>NL (UPL)</u>	Prevalence Index worksheet:	
2				Total % Cover of: Multiply by	<u>/:</u>
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% = <u>15</u> , 20% = <u>6</u>	<u>30</u>	= Total Cove	r	FACU species x4 =	
Herb Stratum (Plot size: 1 sq. m.)				UPL species x5 =	
1. <u>Bromus tectorum</u>	<u>59</u>	yes	NL (UPL)	Column Totals:(A)	(B)
2. <u>Tragopogon dubius</u>	<u>5</u>	<u>no</u>	<u>NL (UPL)</u>	Prevalence Index = B/A =	
3. <u>Epilobium brachycarpum</u>	<u>5</u>	no	<u>NL (UPL)</u>	Hydrophytic Vegetation Indicators:	
4. <u>Cryptantha sp.</u>	<u>1</u>	no	<u>NL (UPL)</u>	1 – Rapid Test for Hydrophytic Vegetation	
5.				2 - Dominance Test is >50%	
6.				□ 3 - Prevalence Index is $\leq 3.0^1$	
7				4 - Morphological Adaptations ¹ (Provide supporting	1
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>35</u> , 20% = <u>14</u>	<u>70</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	. 🖂
50% =, 20% =		= Total Cove	r	Vegetation Yes N Present?	No 🛛
% Bare Ground in Herb Stratum					
Remarks: Ericameria occupies herb stratum,	too.				

SOIL										Sa	ampling P	oint: <u>604 u</u>	pland		
Profil	e Descriptio	n: (Describe to	the depth	needed to d	locument	t the indica	ator or conf	irm the absen	ce of indic	ators.)					
De	epth	Matrix				Redox Fe	eatures								
(inche	es) Co	olor (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Textu	ire		F	Remarks		
0-	-12 7.	5 YR 2.5/3	100						sandy	loam					
¹ Type	: C= Concent	ration, D=Depl	etion, RM=R	educed Mat	rix, CS=C	overed or C	Coated Sand	Grains. ²	Location: F	L=Pore	Lining, N	/I=Matrix			
Hydri	c Soil Indica	tors: (Applica	ble to all LR	Rs, unless	otherwis	e noted.)			In	dicator	s for Pro	blematic H	lydric S	oils ³ :	
	Histosol (A1)				Sandy I	Redox (S5))			20	m Muck	(A10)			
	Histic Epiped	on (A2)			Strippe	d Matrix (S	6)			Re	ed Parent	Material (T	F2)		
	Black Histic (A3)			Loamy	Mucky Min	eral (F1) (e)	(cept MLRA 1)		Ve	ry Shallo	w Dark Sur	face (TF	12)	
	Hydrogen Su	lfide (A4)			Loamy	Gleyed Ma	trix (F2)			Ot	her (Expla	ain in Rema	arks)		
	Depleted Bel	ow Dark Surfa	ce (A11)		Deplete	ed Matrix (F	-3)								
	Thick Dark S	urface (A12)		\boxtimes	Redox	Dark Surfa	ce (F6)								
	Sandy Mucky	/ Mineral (S1)			Deplete	ed Dark Su	rface (F7)		³ lı			phytic veg			
	Sandy Gleye	d Matrix (S4)			Redox	Depressior	ns (F8)					gy must be d or probler		,	
Restr	ictive Layer	(if present):													
Type:															
Depth	n (inches):							Hydric Soils	Present?			Yes		No	\bowtie
Rema	arks:														

Wetl	and Hydrology Indicate	ors:						
Prim	ary Indicators (minimum	of one re	equired	; check	all that	apply)	Sec	ondary Indicators (2 or more required)
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)
	High Water Table (A2)	1				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9)
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🗆	Geomorphic Position (D2)
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)
	Surface Soil Cracks (E	86)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated Co	oncave S	Surface	(B8)				
Field	Observations:							
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):		
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):		
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	letland Hyd	drology Present? Yes 🗌 No 🖾
Desc	cribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:		
Rem	arks <i>:</i>							

Project Site:	650 Line	Rebuil	d Project (Phase	<u>e 1A)</u>		Ci	ty/County:	Unin	corpoi	ated/Pla	acer	Sampling [Date:	06/1	2/201	4
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electric	<u>c)</u>						State:	CA	Sampling F	Point:	<u>604</u>	wetla	nd
Investigator(s):	S. Inneck	en, J. I	Hale_					S	ection,	Townsh	nip, Rang	e: <u>21, 171</u>	N, 17E			
Landform (hillslope, ter	race, etc.)	: <u>te</u>	errace			Local relie	ef (concave	e, conve	x, nor	ie): <u>n</u>	one		Slop	e (%):	<u>0-1</u>	
Subregion (LRR):	MLRA 2	2A		Lat:	<u>39.301961</u>			Long:	<u>-120.</u>	110013			Datum:	WGS8	4	
Soil Map Unit Name:	Inville-R	iverwa	sh-Aquolls com	plex, 2	to 5 percent slo	opes				Ν	WI class	ification:	N/A			
Are climatic / hydrologi	c conditior	ns on t	he site typical fo	r this tir	ne of year?	Yes		No	\boxtimes	(If no, e	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, s	significantly dis	turbed?	Are "No	rmal Ci	rcumst	ances" p	present?		Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, r	naturally proble	matic?	(If need	ed, exp	ain an	y answe	ers in Rer	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 i	nche	s, 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species	1	(A)
2				That Are OBL, FACW, or FAC:	<u>1</u>	(A)
3				Total Number of Dominant	1	(B)
4				Species Across All Strata:	<u> </u>	(6)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	100	(,,,,,)
1				Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species 2	x1 =	
4				FACW species 2	x2 =	
5				FAC species	x3 =	
50% =, 20% =		= Total Cove	r	FACU species	x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	
1. <u>Carex angustata</u>	<u>95</u>	<u>yes</u>	FACW	Column Totals: (A)		(B)
2. Juncus balticus	<u>4</u>	no	FACW	Prevalence Index = B/A =		
3. <u>Agrostis idahoensis</u>	<u>1</u>	no	FACW	Hydrophytic Vegetation Indicators:		
4				1 – Rapid Test for Hydrophytic Vegetation	n	
5.				2 - Dominance Test is >50%		
6.				□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide s	supporting	
8				data in Remarks or on a separate she	et)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Explanation)	plain)	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic.	/ must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic		_
50% =, 20% =		= Total Cove	r	Vegetation Yes 🖾 Present?	No	
% Bare Ground in Herb Stratum						
Remarks:						

SOIL										Samplin	g Point: <u>60</u> 4	1 wetland	<u>t</u>	
Profile Des	cription: (Describe t	o the dept	n needed to c	document	the indica	ator or conf	irm the absen	nce of	indicate	ors.)				
Depth	Matrix				Redox Fe	eatures								
(inches)	Color (moist)	%	Color (me	oist)	%	Type ¹	Loc ²		Texture			Remark	S	
<u>0-8</u>	<u>5 YR 2.5/1</u>	100	<u>10 YR 5</u>	/8	<u>1-2</u>	<u>C</u>	CS		<u>silt loar</u>	<u>n</u>				
<u>8-12</u>	<u>10 YR 2/2</u>	<u>100</u>		-					sandy cl	ay				
				-						<u> </u>				
				-						<u> </u>				
				-										
				_						<u> </u>				
				_										
				_										
¹ Type: C= C	oncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=Co	overed or C	Coated Sand	d Grains. ²	² Loca	tion: PL=	Pore Lining,	M=Matrix			
Hydric Soil	Indicators: (Applica	ble to all L	RRs, unless	otherwise	e noted.)					ators for Pr		Hydric S	oils ³ :	
Histos	ol (A1)			Sandy F	Redox (S5))				2 cm Mucl	(A10)	•		
☐ Histic	Epipedon (A2)			Stripped	d Matrix (S	6)				Red Parer	t Material (TF2)		
Black	Histic (A3)			Loamy	Mucky Min	eral (F1) (e)	(cept MLRA 1))		Very Shall	ow Dark Su	Inface (T	F12)	
□ Hydro	gen Sulfide (A4)			Loamy	Gleyed Ma	trix (F2)	• •			Other (Exp	lain in Rem	arks)	,	
Deple	ted Below Dark Surfa	ce (A11)		Deplete	d Matrix (F	-3)								
Thick	Dark Surface (A12)	. ,	\boxtimes	Redox	Dark Surfa	ce (F6)								
□ Sandy	Mucky Mineral (S1)			Deplete	d Dark Su	rface (F7)				cators of hyd				
□ Sandy	Gleyed Matrix (S4)			Redox	Depressior	ns (F8)				etland hydrol nless disturbe			it,	
	Layer (if present):					()			u			mauc.		
Type:														
Depth (inche	<i>ie).</i>						Hydric Soils	s Pres	sent?		Yes	\boxtimes	No	
Remarks:	Redox features ver	v fine					.,					_		
		,												

Wetla	and Hydrology Indicate	ors:										
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)	\boxtimes	Geomorphic Position	(D2)		
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3))		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)	
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummod	cks (D7)		
	Sparsely Vegetated C	oncave S	urface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ation Present? des capillary fringe)	Yes		No		Depth (inches): W	Vetland	d Hyd	drology Present?	Yes	🖾 No	
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:	:					
Rem	arks:											

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		City	//County:	Unin	corpor	ated/Place	er Sampling [Date:	06/1	2/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State: C	A Sampling F	Point:	<u>605</u>	uplan	nd
Investigator(s):	S. Inneck	en, J.	Hale_					Se	ection,	Township,	Range: <u>21, 171</u>	N, 17E			
Landform (hillslope, ter	race, etc.)): <u>a</u>	swale on a terra	ace		Local relief	(concave	, conve	x, non	e): <u>con</u>	cave	Slop	be (%):		
Subregion (LRR):	MLRA 2	2 <u>2</u> A		Lat:	<u>39.301911</u>			Long:	<u>-120.</u>	109755		Datum:	WGS8	4	
Soil Map Unit Name:	Inville-R	liverwa	sh-Aquolls com	plex, 2	to 5 percent slo	opes				NW	I classification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this tir	ne of year?	Yes		No	\boxtimes	(If no, exp	olain in Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, s	significantly dist	turbed?	Are "Nor	rmal Cir	cumst	ances" pre	sent?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, r	naturally proble	matic?	(If neede	ed, expl	ain an	y answers	in Remarks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No	IXI	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 iı	nches	, 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species	2	(A)
2				That Are OBL, FACW, or FAC:	<u>2</u>	(A)
3				Total Number of Dominant	2	(B)
4				Species Across All Strata:	2	(D)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	100	(//////
1				Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species	x1 =	
4				FACW species	x2 =	
5				FAC species	x3 =	
50% =, 20% =		= Total Cove	r	FACU species	x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	
1. <u>Carex angustata</u>	<u>40</u>	<u>yes</u>	FACW	Column Totals: (A)		(B)
2. Juncus balticus	<u>60</u>	<u>yes</u>	FACW	Prevalence Index = B/A =		
3				Hydrophytic Vegetation Indicators:		
4				1 – Rapid Test for Hydrophytic Vegetation	on	
5.				2 - Dominance Test is >50%		
6.				□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide	supporting	
8				data in Remarks or on a separate sh		
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	jy must	
Woody Vine Stratum (Plot size:)				be present, unless disturbed of problematic.		
1						
2				Hydrophytic		_
50% =, 20% =		= Total Cove	r	Vegetation Yes ⊠ Present?	No	
% Bare Ground in Herb Stratum				i resent:		
Remarks:						

SOIL										Sampling	Point: <u>605</u>	5 upland		
Profile De	escription: (Describe to	the depth	n needed to a	documen	t the indicat	or or conf	irm the absend	ce of	indicato	ors.)				
Depth	Matrix				Redox Fea	itures								
(inches)	Color (moist)	%	Color (me	oist)	%	Type ¹	Loc ²		Texture			Remarks	5	
2	organic													
<u>2-12</u>	<u>10 YR 2/2</u>	<u>99</u>	<u>7.5 YR 5</u>	5/6	<u><1</u>				sandy cla	ay				
				_										
				_										
				_										
¹ Type: C=	Concentration, D=Deple	tion, RM=	Reduced Mat	rix, CS=C	Covered or Co	bated Sand	d Grains. 2	² Loca	tion: PL=	Pore Lining, N	∕l=Matrix			
Hydric So	oil Indicators: (Applicat	le to all L	RRs, unless	otherwis	e noted.)					ators for Pro		Hydric S	oils ³ :	
	osol (A1)				, Redox (S5)					2 cm Muck	(A10)			
□ Hist	ic Epipedon (A2)			Strippe	ed Matrix (S6)				Red Parent	Material (TF2)		
Blac	k Histic (A3)			Loamy	Mucky Mine	ral (F1) (ex	(cept MLRA 1))		Very Shallo	w Dark Su	Irface (TI	F12)	
🛛 Hyd	rogen Sulfide (A4)			Loamy	Gleyed Mati	ix (F2)				Other (Expl	ain in Rem	arks)		
🛛 Dep	leted Below Dark Surfac	e (A11)		Deplet	ed Matrix (F3	5)								
Thic	k Dark Surface (A12)			Redox	Dark Surface	e (F6)								
□ San	dy Mucky Mineral (S1)		\boxtimes	Deplet	ed Dark Surf	ace (F7)				cators of hydro		,		
□ San	dy Gleyed Matrix (S4)			Redox	Depressions	(F8)				etland hydrolo nless disturbed			t,	
Restrictiv	e Layer (if present):													
Туре:														
Depth (inc	:hes):						Hydric Soils	s Pres	sent?		Yes	\boxtimes	No	
Remarks:														
1														

Wetl	and Hydrology Indicat	ors:									
Prim	ary Indicators (minimum	of one re	equired	; check	all that	t apply)	Se	condary Indicators (2 or	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leave	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🛛	Geomorphic Position	(D2)		
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)	
	Inundation Visible on	Aerial Ima	agery (I	37)		Other (Explain in Remarks)		Frost-Heave Hummo	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)							
Field	Observations:										
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):					
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):					
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	etland Hy	drology Present?	Yes	□ No	
Desc	ribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:					
Rem	arks:										

Project Site:	<u>650 Line I</u>	Rebuild	d Project (Phase	<u>= 1A)</u>		City	//County:	Unin	corpor	ated/Plac	er Sampling	Date:	06/	13/201	4
Applicant/Owner:	Liberty Ut	ilities (CalPeco Electric	<u>;)</u>						State: <u>C</u>	CA Sampling	Point:	<u>701</u>	uplan	d
Investigator(s):	I. de Geot	froy, S	. Creer					Se	ection,	Township	o, Range: <u>21, 17</u>	N, 17E			
Landform (hillslope, ter	race, etc.)	: <u>m</u>	eadow			Local relief	(concave	, conve	x, non	ie): <u>noi</u>	ne	Slop	oe (%):		_
Subregion (LRR):	MLRA 2	<u>2A</u>		Lat:	39.299226			Long:	<u>-120.</u>	105945		Datum:	WGS8	04	
Soil Map Unit Name:	<u>Aldi-Kyb</u>	ourz co	mplex, 2 to 30 p	ercent	slopes					NV	VI classification:	N/A			
Are climatic / hydrologi	c conditior	ns on tl	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, ex	plain in Remarks.)			
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Cir	cumst	ances" pr	esent?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□ , ı	naturally proble	matic?	(If neede	ed, expl	ain an	y answers	s in Remarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes					
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	Stable for Truckee, the ave annual rainfall for May 2014 is	: 0 67 iı	nches	1 72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(4)
2				That Are OBL, FACW, or FAC:	(A)
3				Total Number of Dominant 3	(B)
4				Species Across All Strata: <u>5</u>	(В)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	(A/B)
1. <u>Artemisia tridentata</u>	<u>10</u>	<u>yes</u>	NL (UPL)	Prevalence Index worksheet:	
2				Total % Cover of: Mult	<u>ltiply by:</u>
3				OBL species x1 =	
4				FACW species x2 =	=
5				FAC species x3 =	=
50% =, 20% =	<u>10</u>	= Total Cove	r	FACU species x4 =	=
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species x5 =	=
1. Juncus balticus	<u>40</u>	<u>yes</u>	FACW	Column Totals: (A)	(B)
2. <u>Potentilla gracilis</u>	<u>40</u>	yes	FAC	Prevalence Index = B/A =	
3. <u>Carex athrostachya</u>	<u>10</u>	<u>no</u>	FACW	Hydrophytic Vegetation Indicators:	
4. <u>Agoseris grandiflora</u>	<u>5</u>	<u>no</u>	<u>NL (UPL)</u>	1 – Rapid Test for Hydrophytic Vegetation	
5. <u>Achillea millefolium</u>	<u>5</u>	<u>no</u>	FACU	2 - Dominance Test is >50%	
6.				□ 3 - Prevalence Index is $\leq 3.0^{1}$	
7				- 4 - Morphological Adaptations ¹ (Provide supp	portina
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain	n)
11					,
50% = <u>50</u> , 20% = <u>20</u>	100	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology mu be present, unless disturbed or problematic.	ust
Woody Vine Stratum (Plot size:)				be present, unless disturbed of problematic.	
1					
2				Hydrophytic	
50% =, 20% =		= Total Cove	r	Vegetation Yes ⊠ Present?	No 🗆
% Bare Ground in Herb Stratum					
Remarks:					

SOIL									Sampling Point: 70	1 upland		
Profile [Description: (Describe t	o the depth	n needed to a	document the	e indicato	r or confirm	n the absence	of indicat	ors.)			
Dept	h Matrix			R	edox Feat	ures						
(inches)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	Texture		Remark	s	
<u>0-2</u>	7.5 YR 2.5/2	100				:		-	organic layer			
<u>2-12</u>	7.5 YR 2.5/2	<u>60</u>										
	<u>10 YR 2/1</u>	<u>40</u>										
¹ Type: C	= Concentration, D=Dep	etion, RM=	Reduced Mat	trix, CS=Cove	red or Coa	ated Sand G	irains. ² Lo	ocation: PL=	=Pore Lining, M=Matrix	1		
Hydric S	Soil Indicators: (Applica	ble to all L	RRs, unless	otherwise no	oted.)			India	cators for Problemati	c Hydric S	Soils³:	
🗆 His	stosol (A1)		\boxtimes	Sandy Red	lox (S5)				2 cm Muck (A10)			
🗆 His	stic Epipedon (A2)			Stripped M	atrix (S6)				Red Parent Materia	l (TF2)		
🗆 Bla	ack Histic (A3)			Loamy Mu	cky Minera	al (F1) (exc	ept MLRA 1)		Very Shallow Dark	Surface (T	F12)	
🗆 Ну	drogen Sulfide (A4)			Loamy Gle	yed Matrix	k (F2)			Other (Explain in Re	emarks)		
🗆 De	epleted Below Dark Surfa	ce (A11)		Depleted M	latrix (F3)							
🗆 Th	ick Dark Surface (A12)			Redox Dar	k Surface	(F6)						
🗆 Sa	andy Mucky Mineral (S1)			Depleted D	ark Surfa	ce (F7)			cators of hydrophytic v etland hydrology must			
🗆 Sa	andy Gleyed Matrix (S4)			Redox Dep	ressions	(F8)			nless disturbed or prot		п,	
Restrict	ive Layer (if present):											
Туре:												
Depth (ir	nches):						Hydric Soils P	resent?	Yes		No	\boxtimes
Remarks	s: Mixed soils; close p	roximity to	roadside. No	redox, does n	ot meet c	riteria for hy	dric soils.					

Wet	etland Hydrology Indicators:													
Prim	Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) User-Stained Leaves (B9) User-Stained Leaves (B9)													
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves (B9)					
	High Water Table (A2)				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4B)					
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B10)					
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Table (C2)					
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on Aerial Imagery (C9)					
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)		Geomorphic Position (D2)					
	Algal Mat or Crust (B4	+)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)					
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5)					
	Surface Soil Cracks (I	B6)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D6) (LRR A)					
	Inundation Visible on	Aerial Im	agery (l	37)		Other (Explain in Remarks)			Frost-Heave Hummocks (D7)					
	Sparsely Vegetated C	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):								
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches):	Netland	d Hy	drology Present? Yes 🗌 No 🛛					
Desc	escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Rem	arks: Swale fed by	upslope i	runoff,s	oils moi	st belo	w 8".								
ĺ														

Project Site:	·							Unir	corpo	rated/Placer	Sampling D	Date:	06/*	3/201	14
Applicant/Owner:	Liberty Ut	tilities	(CalPeco Electri	ic)						State: <u>CA</u>	Sampling F	oint:	<u>701</u>	wetla	nd
Investigator(s):	I. de Geo	froy, S	. Creer					S	ection	, Township, Ran	ge: <u>21,171</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)): <u>n</u>	neadow/swale			Local relie	ef (concave	e, conve	ex, no	ne): <u>none</u>		Slo	be (%):	<u>5</u>	
Subregion (LRR):	MLRA 2	2 <u>A</u>		Lat	39.29933			Long:	<u>-120</u>	.10596		Datum:	WGS8	4	
Soil Map Unit Name:	<u>Aldi-Kyt</u>	ourz co	omplex, 2 to 30 p	percent	slopes					NWI clas	sification:	<u>N/A</u>			
Are climatic / hydrologi	c conditio	ns on t	the site typical fo	or this ti	me of year?	Yes		No	\bowtie	(If no, explain	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	rmal Ci	rcums	tances" present	?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	ed, exp	lain ai	ny answers in Re	emarks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes No								
					S table for Truckee, the ave annual rainfall for May 2014 is 14 average daily temperature of 48.4 degrees F, and 47 d				

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Swale fed by upslope runoff.

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2				That Are OBL, FACW, or FAC:	(A)
3				Total Number of Dominant	
4				Species Across All Strata: <u>2</u>	(B)
50% =, 20% =		= Total Cover		Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	(/////
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =		= Total Cover		FACU species x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. <u>Carex angustata</u>	<u>50</u>	yes	FACW	Column Totals:(A)	(B)
2. Juncus balticus	<u>25</u>	<u>yes</u>	FACW	Prevalence Index = B/A =	
3. Sidalcea oregana subsp. spicata	<u>15</u>	no	FACW	Hydrophytic Vegetation Indicators:	
4. <u>Arnica mollis</u>	<u>10</u>	no	FAC	1 – Rapid Test for Hydrophytic Vegetation	
5.				2 - Dominance Test is >50%	
6.				□ 3 - Prevalence Index is $\leq 3.0^{1}$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	_
50% =, 20% =		= Total Cover		Vegetation Yes 🛛 No Present?	
% Bare Ground in Herb Stratum					
Remarks: Wet meadow.				1	

SOI	L									Sam	pling Point: <u>70</u>	1 wetland	1	
Prof	file Desc	ription: (Describe t	o the deptl	n needed to c	documen	t the indica	ator or conf	firm the absenc	e of indica	ators.)				
0	Depth	Matrix				Redox Fe	eatures							
(incl	hes)	Color (moist)	%	Color (me	oist)	%	Type ¹	Loc ²	Textu	е		Remarks	6	
	0-6	<u>10 YR 2/2</u>	100		-				loamy	sand				
	<u>6-12</u>	<u>10 YR 2/1</u>	<u>98</u>	<u>5 YR 4/</u>	8	<u>1</u>	<u>C</u>	M	loamy	sand				
_				<u>7.5 YR 6</u>	6/8	<u>1</u>	<u>C</u>	M						
_							<u> </u>							
_														
_							<u> </u>							
_							<u> </u>							
_														
¹Тур	e: C= Co	ncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=C	overed or (Coated Sand	d Grains. ² L	ocation: P	L=Pore Lini	ing, M=Matrix			
Hyd	ric Soil I	ndicators: (Applica	ble to all L	.RRs, unless	otherwis	e noted.)			Inc	licators for	r Problematic	Hydric S	oils ³ :	
	Histoso	l (A1)		\boxtimes	Sandy	Redox (S5)			2 cm N	/luck (A10)			
	Histic E	pipedon (A2)			Strippe	d Matrix (S	6)			Red Pa	arent Material (TF2)		
	Black H	listic (A3)			Loamy	Mucky Mir	neral (F1) (e x	xcept MLRA 1)		Very S	hallow Dark Su	urface (TI	-12)	
	Hydrog	en Sulfide (A4)			Loamy	Gleyed Ma	atrix (F2)			Other ((Explain in Ren	narks)		
	Deplete	ed Below Dark Surfa	ce (A11)		Deplete	ed Matrix (F	-3)							
	Thick D	ark Surface (A12)			Redox	Dark Surfa	ice (F6)							
	Sandy	Mucky Mineral (S1)			Deplete	ed Dark Su	rface (F7)				hydrophytic ve			
	Sandy	Gleyed Matrix (S4)			Redox	Depression	ns (F8)				drology must b urbed or proble		t,	
Res	trictive L	ayer (if present):									•			
Туре	e:													
Dep	th (inches	s):						Hydric Soils I	Present?		Yes	\boxtimes	No	
Rem	narks:							1						

Wetl	tland Hydrology Indicators:													
Prim	Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Water-Stained Leaves (B9) Water-Stained Leaves (B9) Water-Stained Leaves (B9)													
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)				
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)				
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)				
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)				
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Image	ery (C9)			
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)	\boxtimes	Geomorphic Position	(D2)				
	Algal Mat or Crust (B4	·)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)				
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)				
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D6) (LRR A)			
	Inundation Visible on	Aerial Im	agery (I	37)		Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)				
	Sparsely Vegetated C	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	ration Present? Ides capillary fringe)	Yes		No	\boxtimes	Depth (inches):	Wetland	d Hyd	drology Present?	Yes	🖾 No			
Desc	scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Rem	arks: Swale fed by	upslope i	runoff;s	oils moi	st belo	w 8".								

Project Site:	·						ty/County:	Unin	corpo	rated/Placer	Sampling I	Date:	06/*	13/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State: <u>CA</u>	Sampling I	Point:	702	uplan	nd
Investigator(s):	I. de Geo	froy, J.	Hale					S	ection,	Township, Ra	inge: <u>21, 17</u>	<u>N, 17E</u>			
Landform (hillslope, ter	race, etc.)): _				Local relie	ef (concave	e, conve	ex, nor	ne): <u>none</u>		Slop	be (%):	<u>3</u>	
Subregion (LRR):	MLRA 2	2 <u>2A</u>		Lat	: <u>39.300148</u>			Long:	<u>-120.</u>	106893		Datum:	WGS8	<u>4</u>	
Soil Map Unit Name:	<u>Aldi-Kyt</u>	ourz co	mplex, 2 to 30 p	ercent	slopes					NWI cla	assification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain	n in Remarks.)			
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	turbed?	Are "No	rmal Ci	rcumst	tances" preser	nt?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	ed, exp	lain ar	ny answers in F	Remarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?		\boxtimes	No		Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes					
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	, 1.72	

marks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfail for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species		(4)
2				That Are OBL, FACW, or FAC:		(A)
3				Total Number of Dominant		
4				Species Across All Strata: <u>3</u>		(B)
50% =, 20% =		= Total Cover		Percent of Dominant Species	6	(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	0	(АВ)
1. <u>Artemisia tridentata</u>	<u>10</u>	yes	<u>NL (UPL)</u>	Prevalence Index worksheet:		
2				Total % Cover of: M	lultiply by:	
3				OBL species x'	1 =	
4				FACW species x2	2 =	
5				FAC species X3	3 =	
50% =, 20% =	<u>10</u>	= Total Cover		FACU species x4	4 =	
Herb Stratum (Plot size: 1 sq. m.)				UPL species xs	5 =	
1. Juncus balticus	<u>39</u>	yes	FACW	Column Totals: (A)		(B)
2. <u>Equisetum laevigatum</u>	<u>20</u>	yes	FACW	Prevalence Index = B/A =		
3. <u>Potentilla gracilis</u>	<u>15</u>	<u>no</u>	FAC	Hydrophytic Vegetation Indicators:		
4. <u>Achillea millefolium</u>	<u>10</u>	no	FACU	1 – Rapid Test for Hydrophytic Vegetation		
5. <u>Arnica mollis</u>	<u>5</u>	no	FAC	2 - Dominance Test is >50%		
6. <u>Agrostis idahoensis</u>	<u>5</u>	no	FACW	□ 3 - Prevalence Index is $\leq 3.0^{1}$		
7. Bromus tectorum	<u>5</u>	no	<u>NL (UPL)</u>	4 - Morphological Adaptations ¹ (Provide su		
8. <u>Agoseris grandiflora</u>	<u>1</u>	<u>no</u>	<u>NL (UPL)</u>	data in Remarks or on a separate shee	t)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Expl	lain)	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology r be present, unless disturbed or problematic.	must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic		_
50% =, 20% =		= Total Cover		Vegetation Yes ⊠ Present?	No	
% Bare Ground in Herb Stratum						
Remarks:						

SOI	L										Sampling	Point: 702	2 upland		
Profi	ile Descr	iption: (Describe t	o the depth	n needed to d	ocumen	t the indicat	or or conf	firm the abse	nce	of indicate	ors.)				
D	epth	Matrix				Redox Fea	atures								
(inch	nes)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			Remarks	3	
	0-6	10 YR 2/2	100	-		:			-	loamy sa	Ind				
6	<u>5-12</u>	<u>10 YR 2/2</u>	<u>99</u>	2.5 YR 6/	/8	<u><1</u>	<u>C</u>	<u>M</u>		<u>loamy sa</u>	Ind				
_				10 YR 2/	/1	<u><1</u>	<u>C</u>	<u>M</u>		<u>loamy sa</u>	ind				
_				<u>5 YR 8/</u>	<u>1</u>	<u><1</u>	<u>C</u>	<u>M</u>		<u>loamy sa</u>	ind				
_															
_															
_															
_															
1Туре	e: C= Co	ncentration, D=Dep	letion, RM=	Reduced Matr	ix, CS=C	Covered or Co	oated Sand	d Grains.	² Loc	ation: PL=	Pore Lining, I	M=Matrix			
Hydr	ic Soil Ir	dicators: (Applica	able to all L	RRs, unless o	otherwis	e noted.)				Indic	ators for Pro	blematic I	Hydric S	oils ³ :	
	Histosol	(A1)			Sandy	Redox (S5)					2 cm Muck	(A10)			
	Histic E	pipedon (A2)			Strippe	ed Matrix (S6)				Red Parent	Material (TF2)		
	Black H	istic (A3)			Loamy	Mucky Mine	ral (F1) (e)	xcept MLRA	1)		Very Shallo	w Dark Su	Irface (TI	-12)	
	Hydroge	en Sulfide (A4)			Loamy	Gleyed Mat	rix (F2)				Other (Expl	ain in Rem	arks)		
	Deplete	d Below Dark Surfa	ice (A11)	\boxtimes	Deplet	ed Matrix (F3	3)								
	Thick D	ark Surface (A12)			Redox	Dark Surfac	e (F6)								
	Sandy M	Mucky Mineral (S1)			Deplet	ed Dark Surf	ace (F7)				cators of hydro	1 2 0	,		
	Sandy C	Gleyed Matrix (S4)			Redox	Depressions	s (F8)				etland hydrolo nless disturbe			τ,	
Rest	rictive La	ayer (if present):													
Туре	:														
Dept	h (inches):						Hydric Soi	ls Pr	esent?		Yes	\boxtimes	No	
Rem	arks:	Sparse areas of mi	xed mottle c	olors at secor	nd layer o	ofsoil. Noter	hough to m	eet hydric soi	ls crit	teria.					

HYDROLOGY

Wetl	and Hydrology Indicators:											
Prim	ary Indicators (minimum	of one r	equired	; check	all that	Se	econdary Indicators (2 or	more require	ed)			
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leave	s (B9)			
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and	4B)			
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B	10)			
	Water Marks (B1)					Dry-Season Water Ta	able (C2)					
	Sediment Deposits (B2	2)				Saturation Visible on	Aerial Image	ery (C9)				
	Drift Deposits (B3)				3) 🗆	Geomorphic Position	(D2)					
	Algal Mat or Crust (B4)				Shallow Aquitard (D3)					
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5	5)			
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)		
	Inundation Visible on A	Aerial Im	agery (I	37)		Other (Explain in Remarks)		Frost-Heave Hummo	cks (D7)			
	Sparsely Vegetated Co	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	etland H	ydrology Present?	Yes	□ No		
Desc	ribe Recorded Data (stre	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:						
Rem	arks: Topography elevated - mound within meadow.											

Project Site:	650 Line	Rebuil	d Project (Phase		Ci	ty/County:	: <u>Unincorporated/Placer</u> Sampling				Date:	06/1	3/201	14	
Applicant/Owner:	Liberty Utilities (CalPeco Electric)									State: CA	Sampling F	Point:	702	wetla	nd
Investigator(s):	I. de Geo	froy, J.	<u>Hale</u>					S	ection,	Township, Rar	nge: <u>21, 171</u>	N, 17E			
Landform (hillslope, ter	race, etc.)): <u>n</u>	neadow			Local relie	ef (concave	e, conve	x, non	ie): <u>none</u>		Slop	be (%):	<u>5</u>	
Subregion (LRR):	MLRA 2	2 <u>2</u> A		Lat	<u>39.30014</u>			Long:	<u>-120.</u>	107019		Datum:	WGS8	4	
Soil Map Unit Name:	<u>Aldi-Kyt</u>	ourz co	omplex, 2 to 30 p	ercent	slopes					NWI clas	ssification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain	in Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	sturbed?	Are "No	rmal Ci	rcumst	ances" present	?	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	ed, exp	ain an	y answers in R	emarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No									
Hydric Soil Present?		\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No				
Wetland Hydrology Present?		\boxtimes	No									
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72												

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2				That Are OBL, FACW, or FAC:	(A)
3				Total Number of Dominant 3	(B)
4				Species Across All Strata:	(2)
50% =, 20% =		= Total Cover		Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	(,,,,,)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =		= Total Cover		FACU species x4 =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. Juncus balticus	<u>30</u>	<u>yes</u>	FACW	Column Totals:(A)	_(B)
2. <u>Carex angustata</u>	<u>30</u>	yes	FACW	Prevalence Index = B/A =	
3. <u>Potentilla gracilis</u>	<u>30</u>	<u>yes</u>	FAC	Hydrophytic Vegetation Indicators:	
4. Symphyotrichum spathulatum	<u>10</u>	no	FAC	1 – Rapid Test for Hydrophytic Vegetation	
5. Sidalcea oregana subsp. spicata	<u>2</u>	no	FACW	☑ 2 - Dominance Test is >50%	
6. <u>Trifolium longipes</u>	<u>2</u>	no	FAC	□ 3 - Prevalence Index is $\leq 3.0^1$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>52</u> , 20% = <u>20.8</u>	<u>104</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	-
50% =, 20% =		= Total Cover		Vegetation Yes 🛛 No Present?	
% Bare Ground in Herb Stratum					
Remarks:					

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOIL										Sampling	Point: <u>702</u>	wetland	<u> </u>	
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)														
Depth	Matrix				Redox Fea	tures								
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Tex	Texture		Remarks			
<u>0-1</u>	organic	100	-		:	=			=					
<u>1-5</u>	<u>10 YR 2/2</u>	<u>93</u>	<u>10 YR 5</u>	/8	<u>7</u>	<u>C</u>	M	loam	y sand	fine, small redox concentrations				
								_						
								_						
								_						
								_						
¹ Type: C= Co	oncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=Co	overed or Co	ated Sand	d Grains. ² L	Location:	PL=Por	e Lining, N	l=Matrix			
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless	otherwise	noted.)			I	ndicato	rs for Prol	olematic H	lydric S	oils³:	
Histoso	ol (A1)			Sandy R	Redox (S5)			I	2	cm Muck (A10)			
Histic E	pipedon (A2)			Stripped	Matrix (S6))		Ι] R	ed Parent	Material (ΓF2)		
Black Histic (A3) Loamy					Mucky Mine	Mineral (F1) (except MLRA 1) Uery Shallow Dark Surface (TF12)						12)		
□ Hydrog	en Sulfide (A4)			Loamy C	Loamy Gleyed Matrix (F2)									
Deplete	ed Below Dark Surfa	ce (A11)		Depleted	d Matrix (F3)								
Thick D	Dark Surface (A12)			Redox D	Dark Surface	e (F6)								
□ Sandy	Mucky Mineral (S1)			Depleted	d Dark Surfa	ace (F7)	³ Indicators of hydrophytic vegetation a wetland hydrology must be presen							
□ Sandy	Gleyed Matrix (S4)			Redox D	Pepressions	(F8)				s disturbed			ι,	
Restrictive L	ayer (if present):													
Туре:														
Depth (inches):							Hydric Soils Present? Yes 🛛 No							
Remarks:														

Wetland Hydrology Indicators:															
Prima	ary Indicators (minimum	of one re	equired		Secondary Indicators (2 or more required)										
	Surface Water (A1)			Water-Stained Leaves (B9)											
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4B)						
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B10)						
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Table (C2)						
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on	Aerial Image	ery (C9)				
	Drift Deposits (B3)				\boxtimes	Oxidized Rhizospheres along Living Roots (C3)		Geomorphic Position (D2)						
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)						
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5)						
	Surface Soil Cracks (B6)					Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D6) (LRR A)						
	Inundation Visible on Aerial Imagery (B7)					Other (Explain in Remarks)			Frost-Heave Hummocks (D7)						
Sparsely Vegetated Concave Surface (B8)															
Field	Observations:														
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):									
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):									
Saturation Present? Yes D No (includes capillary fringe)				Depth (inches):	Wetland Hydrology Present? Yes 🛛 No 🗌										
Desc	ribe Recorded Data (stre	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available	e:								
Rem	arks:														

Project Site:	6	50 Line	Rebuil	d Project (Phas	e 1A)		С	ity/County:	Unir	corpo	rated/Placer	Sampling D	Date:	06/	13/201	14
Applicant/Owner:	L	iberty U	tilities	CalPeco Electr	ic)						State: <u>CA</u>	Sampling F	Point:	703	uplar	nd
Investigator(s):	<u> </u>	. de Geo	froy, S	. Creer					S	ection,	Township, Ran	ge: <u>21,171</u>	N, 17E			
Landform (hillslop	e, terra	ace, etc.)): _				Local reli	ef (concave	e, conve	ex, nor	ne): <u>none</u>		Slop	be (%):		
Subregion (LRR):		MLRA 2	2 <u>2</u> A		Lat	: <u>39.301322</u>			Long:	<u>-120</u>	108282		Datum:	WGS	<u>4</u>	
Soil Map Unit Nan	ne:	Inville-R	liverwa	ash-Aquolls com	nplex, 2	to 5 percent slo	opes				NWI clas	sification:	N/A			
Are climatic / hydr	ologic	conditio	ns on t	he site typical fo	or this ti	ime of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation	□,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	rmal Ci	rcums	tances" present?)	Yes	\boxtimes	No	
Are Vegetation	□,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	ed, exp	lain ar	ny answers in Re	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes		No	\boxtimes									
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes				
Wetland Hydrology Present?	Yes		No	\boxtimes									
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72													

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test W	orksheet:			
1 2				Number of Dominan That Are OBL, FAC		<u>1</u>		(A)
3 4				Total Number of Dor Species Across All S		<u>5</u>		(B)
50% =, 20% = <u>Sapling/Shrub Stratum</u> (Plot size: <u>1 sq. m</u>)		= Total Cove	ər	Percent of Dominan That Are OBL, FAC		0.20		(A/B)
1. <u>Artemisia tridentata</u>	<u>25</u>	<u>yes</u>	<u>NL (UPL)</u>	Prevalence Index v	vorksheet:			
2. Purshia tridentata var. glandulosa	<u>10</u>	<u>yes</u>	<u>NL (UPL)</u>	Total %	Cover of:	Multip	ly by:	
3				OBL species	<u>0</u>	x1 =		
4				FACW species	<u>10</u>	x2 =	<u>20</u>	
5				FAC species	<u>0</u>	x3 =		
50% = <u>17.5</u> , 20% = <u>7</u>	<u>35</u>	= Total Cove	er	FACU species	<u>10</u>	x4 =	<u>40</u>	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species	<u>55</u>	x5 =	275	
1. Bromus tectorum	<u>20</u>	<u>yes</u>	<u>NL (UPL)</u>	Column Totals:	<u>75</u> (A)		<u>335</u> (B)	
2. <u>Microsteris gracilis</u>	<u>10</u>	no	FACU		Prevalence Index =	= B/A = <u>4.46</u>		
3. Juncus balticus	<u>10</u>	no	FACW	Hydrophytic Veget	ation Indicators:			
4				1 – Rapid Tes	t for Hydrophytic Ve	egetation		
5				2 - Dominance	Test is >50%			
6				3 - Prevalence	Index is $\leq 3.0^1$			
7 8					cal Adaptations ¹ (F narks or on a sepa		rting	
9				5 - Wetland No	on-Vascular Plants	1		
10				_	ydrophytic Vegetat			
11.					ydiophylic vegetat	ion (Explain)		
50% = 20, 20% = 8	40	= Total Cove	er	¹ Indicators of hydric				
Woody Vine Stratum (Plot size:)				be present, unless d	isturbed or probler	natic.		
1								
2				Hydrophytic				
50% =, 20% =		= Total Cove	er	Vegetation Present?	Yes		No	\boxtimes
% Bare Ground in Herb Stratum 25				rresent?				
/ Bare create in hold offatein 20								

SOIL	SOIL Sampling Point: 703 upland													
Profile Desci	ription: (Describe to	o the depth	needed to d	ocument th	e indicato	or or confi	rm the absen	nce d	of indicato	rs.)				
Depth	Matrix			R	edox Feat	ures								
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture		l	Remarks	6	
<u>0-12</u>	10 YR 3/2	100	-			=	:		loamy sa	nd				
				_										
				_							_			
				_							_			
				_							_			
				_							_			
¹ Type: C= Co	ype: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix													
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :														
Histoso	I (A1)			Sandy Re	dox (S5)					2 cm Mu	ck (A10)			
Histic E	pipedon (A2)			Stripped N	/latrix (S6)					Red Pare	ent Material (1	TF2)		
Black H	listic (A3)			Loamy Mu	cky Miner	al (F1) (ex	cept MLRA 1))		Very Sha	allow Dark Su	rface (TI	-12)	
□ Hydrog	en Sulfide (A4)			Loamy Gle	eyed Matri	x (F2)				Other (Ex	xplain in Rem	arks)		
Deplete	ed Below Dark Surfa	ce (A11)		Depleted I	Matrix (F3)									
Thick D	ark Surface (A12)			Redox Da	rk Surface	(F6)								
□ Sandy	Mucky Mineral (S1)			Depleted I	Dark Surfa	ce (F7)					drophytic veg			
□ Sandy (Gleyed Matrix (S4)			Redox De	pressions	(F8)					ology must be bed or proble		ι,	
Restrictive L	ayer (if present):													
Туре:														
Depth (inches	s):						Hydric Soils	s Pre	esent?		Yes		No	\boxtimes
Remarks:	No evidence of rede	ox.												

Wetla	etland Hydrology Indicators:											
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)	S	Seconda	ary Indicators (2 or	r more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)		– w	ater-Stained Leave	es (B9)		
	High Water Table (A2)	1				(except MLRA 1, 2, 4A, and 4B)		(M	ILRA 1, 2, 4A, and	d 4B)		
	Saturation (A3)					Salt Crust (B11)	C] Dr	rainage Patterns (E	B10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)	0	Dr	ry-Season Water T	able (C2)		
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)		🗆 Sa	aturation Visible on	n Aerial Imag	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) E	☐ Ge	eomorphic Positior	n (D2)		
	Algal Mat or Crust (B4)				0] Sh	hallow Aquitard (D3	3)			
	Iron Deposits (B5)				D	∃ FA	AC-Neutral Test (D	95)				
	Surface Soil Cracks (E	36)				C] Ra	aised Ant Mounds	(D6) (LRR A	.)		
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)	C	🗆 Fr	ost-Heave Hummo	ocks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	etland I	Hydrol	ogy Present?	Yes	🗆 No	
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:						
Rem	arks: Up slope from	meadow	v.									

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		Ci	ity/County:	Unin	corpo	rated/Placer	Sampling D	ate:	06/1	3/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State: <u>CA</u>	Sampling P	oint:	<u>703</u>	wetla	nd
Investigator(s):	I. de Geo	froy, J.	Hale					Se	ection,	Township, Rang	ge: <u>21,17N</u>	l, 17E			
Landform (hillslope, te	race, etc.)): <u>m</u>	neadow_			Local relie	ef (concave	e, conve	ex, nor	ne): <u>none</u>		Slop	oe (%):	<u>2</u>	
Subregion (LRR):	MLRA 2	2A		Lat:	<u>39.30138</u>			Long:	<u>-120.</u>	108309		Datum:	WGS8	4	
Soil Map Unit Name:	Inville-R	iverwa	sh-Aquolls com	plex, 2	to 5 percent slo	opes				NWI clas	sification:	<u>N/A</u>			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this tir	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, s	significantly dis	turbed?	Are "No	rmal Ci	rcumst	tances" present?	•	Yes	\boxtimes	No	
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, r	naturally proble	ematic?	(If need	ed, expl	lain ar	iy answers in Re	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No										
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No					
Wetland Hydrology Present?	Yes	\boxtimes	No										
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72													

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2				That Are OBL, FACW, or FAC:	(A)
3				Total Number of Dominant	(B)
4				Species Across All Strata:	(2)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	(,,,,,)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	-
4				FACW species x2 =	-
5				FAC species x3 =	-
50% =, 20% =		= Total Cove	r	FACU species x4 =	-
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species x5 =	-
1. <u>Juncus balticus</u>	<u>100</u>	<u>yes</u>	FACW	Column Totals: (A)	_(B)
2				Prevalence Index = B/A =	
3				Hydrophytic Vegetation Indicators:	
4				1 – Rapid Test for Hydrophytic Vegetation	
5				☑ 2 - Dominance Test is >50%	
6				□ 3 - Prevalence Index is $\leq 3.0^1$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	-
50% =, 20% =		= Total Cove	r	Vegetation Yes I No	
% Bare Ground in Herb Stratum					
Remarks:					

Profile	e Descr	iption: (Describe to	o the dept	h needed to d	ocume	nt the indic	ator or conf	irm the absen	ce of ind	icato	ors.)
De	epth	Matrix				Redox F	eatures				
(inche	es)	Color (moist)	%	Color (mo	ist)	%	Type ¹	Loc ²	Tex	dure	Remarks
0)-2	organic layer	100								
2	2-4	<u>10 YR 2/2</u>	<u>100</u>			<u> </u>			_		
4-	-12	<u>10 YR 2/2</u>	<u>95</u>	<u>7.5 YR 5</u> /	<u>′8</u>	<u><5</u>	<u>C</u>	M	loam	nysa	and
				<u>10 YR 2/</u>	1	<5	<u>C</u>	M		"	
				<u>2.5 YR 7</u>	6	<5	<u>C</u>	M		<u>"</u>	
									_		
¹ Type	: C= Co	ncentration, D=Depl	etion, RM=	Reduced Matr	ix, CS=	Covered or	Coated Sand	d Grains. ²	Location:	PL=	=Pore Lining, M=Matrix
Hydri	c Soil Ir	dicators: (Applica	ble to all L	RRs, unless	otherwi	se noted.)			I	Indic	cators for Problematic Hydric Soils ³ :
	Histoso	I (A1)			Sandy	/ Redox (S5	5)		I		2 cm Muck (A10)
	Histic E	pipedon (A2)			Stripp	ed Matrix (S	56)		l		Red Parent Material (TF2)
	Black H	istic (A3)			Loam	y Mucky Mi	neral (F1) (e)	(cept MLRA 1))		Very Shallow Dark Surface (TF12)
	Hydroge	en Sulfide (A4)			Loam	y Gleyed M	atrix (F2)		I		Other (Explain in Remarks)
	Deplete	d Below Dark Surfac	ce (A11)		Deple	ted Matrix (F3)				
	Thick D	ark Surface (A12)			Redo	x Dark Surfa	ace (F6)				
	Sandy I	Mucky Mineral (S1)			Deple	ted Dark Su	urface (F7)		3		cators of hydrophytic vegetation and
	Sandy (Gleyed Matrix (S4)			Redo	x Depressio	ons (F8)				retland hydrology must be present, nless disturbed or problematic.
		ayer (if present):					. ,			u	
Type:		,									
	n (inches):						Hydric Soils	Present	?	Yes 🖾 No 🗖
Rema	arks:	,						-			

HYDROLOGY

Wetl	Vetland Hydrology Indicators:											
Prim	ary Indicators (minimum	of one r	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more require	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)		
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3)	\boxtimes	Geomorphic Position	(D2)		
	Algal Mat or Crust (B4)						Shallow Aquitard (D3))			
	Iron Deposits (B5)						FAC-Neutral Test (D5	5)				
	Surface Soil Cracks (E	36)						Raised Ant Mounds (I	D6) (LRR A)	1		
	Inundation Visible on	Aerial Im	agery (I	37)		Other (Explain in Remarks)			Frost-Heave Hummoo	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	etland	d Hyd	drology Present?	Yes	🖾 No	
Desc	ribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:						
Rem	arks: Refer to proje	ct maps ·	- satura	ation at	is clea	rly visible at the base of the swale flowing downs	slope	that i	ncludes Wetlands 701	and 702.		

Sampling Point: 703 wetand

Project Site:	<u>650 Line</u>	Rebuil	d Project (Phase	<u>e 1A)</u>		Ci	ty/County:	Unin	corpor	rated/Placer	Sampling D	Date:	06/	13/201	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State: <u>CA</u>	Sampling F	Point:	<u>704</u>	uplan	<u>nd</u>
Investigator(s):	I. de Geo	froy, S	<u>. Creer</u>					S	ection,	Township, Ra	nge: <u>21, 171</u>	N, 17E			
Landform (hillslope, ter	race, etc.)): _				Local relie	f (concave	e, conve	ex, nor	ne): <u>none</u>		Slop	oe (%):		
Subregion (LRR):	MLRA 2	22A		Lat:	39.289784			Long:	<u>-120.</u>	102147		Datum:	WGS8	4	
Soil Map Unit Name:	Jorge-T	ahoma	complex, 2 to 3	0 perce	ent slopes					NWI cla	assification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain	in Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	rcumst	tances" preser	ıt?	Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□ , ı	naturally proble	ematic?	(If need	ed, exp	lain an	iy answers in F	Remarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes		No	\boxtimes								
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes			
Wetland Hydrology Present?	Yes		No	\boxtimes								
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee the ave annual rainfall for May 2014 is 0.67 inches 1.72												

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:			
1				Number of Dominant Species	1		(A)
2				That Are OBL, FACW, or FAC:	<u>1</u>		(~)
3				Total Number of Dominant	4		(B)
4				Species Across All Strata:	-		(8)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	25		(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	<u> </u>		(/ (/ D))
1. <u>Artemisia tridentata</u>	<u>25</u>	<u>yes</u>	<u>NL (UPL)</u>	Prevalence Index worksheet:			
2. Purshia tridentata var. glandulosa	<u>10</u>	<u>yes</u>	<u>NL (UPL)</u>	Total % Cover of:	Multiply	by:	
3				OBL species	x1 =		
4				FACW species 25	x2 =	<u>50</u>	
5				FAC species	x3 =		
50% = <u>17.5,</u> 20% = <u>7</u>	<u>35</u>	= Total Cove	r	FACU species <u>35</u>	x4 =	<u>140</u>	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species <u>45</u>	x5 =	<u>225</u>	
1. <u>Elymus elymoides</u>	<u>35</u>	<u>yes</u>	FACU	Column Totals: <u>105</u> (A)		<u>415</u> (B)	
2. Juncus balticus	<u>25</u>	<u>yes</u>	FACW	Prevalence Index = B/A =	3.95		
3. <u>Wyethia mollis</u>	<u>10</u>	<u>no</u>	<u>NL (UPL)</u>	Hydrophytic Vegetation Indicators:			
4				1 – Rapid Test for Hydrophytic Vegetation	on		
5	;			2 - Dominance Test is >50%			
6				□ 3 - Prevalence Index is $\leq 3.0^1$			
7				4 - Morphological Adaptations ¹ (Provide	supporti	ng	
8				data in Remarks or on a separate sh	eet)		
9	;			5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)		
11							
50% = <u>35</u> , 20% = <u>14</u>	<u>70</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	jy must		
Woody Vine Stratum (Plot size:)							
1							
2				Hydrophytic		NI-	57
50% =, 20% =		= Total Cove	r	Vegetation Yes Present?		No	\boxtimes
% Bare Ground in Herb Stratum 30							
Remarks:							

SOIL											Sampling Point: 704 upland	
Profi	ile Desc	ription: (Describe t	o the depth	needed to d	locument t	the indica	tor or conf	irm the absen	ce of i	indicato	ors.)	
D	epth	Matrix				Redox Fe	atures					
(inch	nes)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	1	Texture	Remarks	
(0-8	<u>10 YR 2/2</u>	100						lc	bamy sa		
_												
											·	
_												
_												
_												
_												
1Туре	e: C= Co	ncentration, D=Dep	letion, RM=I	Reduced Mat	rix, CS=Co	vered or C	Coated Sand	Grains. ²	² Locati	on: PL=	Pore Lining, M=Matrix	
Hydr	ic Soil I	ndicators: (Applica	ble to all L	RRs, unless	otherwise	noted.)				Indic	ators for Problematic Hydric Soils ³ :	
	Histoso	I (A1)			Sandy R	edox (S5)					2 cm Muck (A10)	
	Histic E	pipedon (A2)			Stripped	Matrix (S6	6)				Red Parent Material (TF2)	
	Black H	listic (A3)			Loamy N	lucky Mine	eral (F1) (ex	cept MLRA 1))		Very Shallow Dark Surface (TF12)	
	Hydrog	en Sulfide (A4)			Loamy G	Bleyed Mat	trix (F2)				Other (Explain in Remarks)	
	Deplete	ed Below Dark Surfa	ce (A11)		Depleted	Matrix (F	3)					
	Thick D	ark Surface (A12)			Redox D	ark Surfac	ce (F6)					
	Sandy	Mucky Mineral (S1)			Depleted	l Dark Sur	face (F7)				cators of hydrophytic vegetation and etland hydrology must be present,	
	Sandy	Gleyed Matrix (S4)			Redox D	epression	s (F8)				aless disturbed or problematic.	
Rest	rictive L	ayer (if present):										
Туре	:											
Dept	h (inches	s):						Hydric Soils	s Prese	ent?	Yes 🛛 No	\boxtimes
Rem	arks:	No sandy redox.										

HYDROLOGY

Wetl	and Hydrology Indicat	ors:											
Prim	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or n	nore requir	ed)		
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	(B9)			
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4	4B)			
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B1	0)			
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Tal	ole (C2)			
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		\boxtimes	Saturation Visible on A	erial Imag	ery (CS	9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots	(C3)	\boxtimes	Geomorphic Position (D2)			
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)				
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5)	1			
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D	6) (LRR A)		
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummoc	ks (D7)			
	Sparsely Vegetated C	oncave S	Surface	(B8)									
Field	Observations:												
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches):	Wetlan	d Hy	drology Present?	Yes		No	
Desc	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available												
Rem	arks <i>:</i>												

US Army Corps of Engineers

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		C	ity/County:	: <u>Unir</u>	corpo	rated/Plac	<u>cer</u> S	ampling D	ate:	06/	13/201	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State:	<u>CA</u> S	ampling P	oint:	<u>704</u>	wetla	ind
Investigator(s):	I. de Geo	ofroy, S	. Creer					S	ection	, Townshi	ip, Range:	21, 17N	, 17 <u>E</u>			
Landform (hillslope, ter	race, etc.): _				Local reli	ef (concav	e, conve	ex, noi	ne): <u>no</u>	one		Slop	oe (%):		
Subregion (LRR):	MLRA 2	22A		Lat	: <u>39.289692</u>			Long:	-120	.102227			Datum:	WGS8	804	
Soil Map Unit Name:	Jorge-T	ahoma	complex, 2 to 3	80 perc	ent slopes					N	WI classifi	ication:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, e	xplain in F	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	ormal Ci	rcums	tances" p	resent?		Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	led, exp	lain ar	ny answei	rs in Rem	arks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	ir 0.67 i	nches	. 1.72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfail for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species	2	(A)
2				That Are OBL, FACW, or FAC:	<u>3</u>	(A)
3	;			Total Number of Dominant	<u>3</u>	(B)
4	;			Species Across All Strata:	<u>5</u>	(D)
50% =, 20% =		= Total Cover	r	Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	100	(//В)
1. <u>Salix lemmonii</u>	<u>5</u>	<u>yes</u>	FACW	Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species	x1 =	
4	;			FACW species	x2 =	
5	;			FAC species	x3 =	
50% =, 20% =	<u>5</u>	= Total Cover	r	FACU species	x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	
1. Juncus balticus	<u>50</u>	<u>yes</u>	FACW	Column Totals: (A)		(B)
2. <u>Carex angustata</u>	<u>50</u>	<u>yes</u>	FACW	Prevalence Index = B/A =		
3				Hydrophytic Vegetation Indicators:		
4	;			1 – Rapid Test for Hydrophytic Vegetation	on	
5				2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide	supporting	
8				data in Remarks or on a separate sh	ieet)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	jy must	
Woody Vine Stratum (Plot size:)						
1	;					
2				Hydrophytic Vegetation Yes 🛛	No	
50% =, 20% =		= Total Cover	r	Present?	NO	
% Bare Ground in Herb Stratum 0						
Remarks:				•		

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOIL								Sampli	ing Point: 704	wetland		
Profile Desc	cription: (Describe to	the depth	n needed to d	ocument the indica	ator or confirm	n the absenc	e of indicate	ors.)				
Depth	Matrix			Redox Fe	atures							
(inches)	Color (moist)	%	Color (mo	oist) %	Type ¹	Loc ²	Texture			Remarks	S	
0-2	organic layer	100										
<u>2-12</u>	<u>10 YR 2/1</u>	<u>100</u>					sandy cl	<u>ay so</u>	<u>il moist</u>			
								· _				
	<u> </u>							· -				
1Tumer C _ C		tion DM				2			na M. Matrix			
	oncentration, D=Deple				Joaled Sand G	orainsL			ng, M=Matrix	Lludria (Soilo ³	
Hydric Soli		he to all L	RRS, unless o	Sandy Redox (S5)					fuck (A10)	nyaric a	Solis":	
				Stripped Matrix (S					arent Material (
	Epipedon (A2)				,				·	. ,	540)	
	Histic (A3)			Loamy Mucky Min		ept NILRA 1)			hallow Dark Su		F12)	
	gen Sulfide (A4)			Loamy Gleyed Ma	. ,			Other (Explain in Ren	harks)		
	ed Below Dark Surface	e (A11)		Depleted Matrix (F	,							
	Dark Surface (A12)			Redox Dark Surfa	. ,		21 1					
Sandy	Mucky Mineral (S1)			Depleted Dark Sur	face (F7)				hydrophytic ve drology must b			
Sandy	Gleyed Matrix (S4)			Redox Depression	ns (F8)				urbed or proble			
Restrictive	Layer (if present):											
Type:												
Depth (inche	es):				I	Hydric Soils I	Present?		Yes	\boxtimes	No	
Remarks:	Soil is saturated to 12	2"; maske	d redox.									

\boxtimes	Surface Water (A1)		-			Water-Stained Leaves (B9)		Water-Stained Leaves (B9)
	High Water Table (A)	2)				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)
	Ū (2)					_	· · · · · ,
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (I	32)				Hydrogen Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9)
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	3) 🛛	Geomorphic Position (D2)
	Algal Mat or Crust (B	4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)
	Surface Soil Cracks	(B6)			Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)	
	Inundation Visible on	Aerial Im	agery (l	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated	Concave S	Surface	(B8)				
Field	Observations:							
Surfa	ace Water Present?	Yes	\boxtimes	No		Depth (inches): <u>2</u>		
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):		
	ration Present? Jdes capillary fringe)	Yes	\boxtimes	No		Depth (inches): <u>12+</u>	Vetland Hy	rdrology Present? Yes 🛛 No [
Desc	cribe Recorded Data (s	tream gau	ige, mo	nitoring	well, a	erial photos, previous inspections), if available:		

Project Site:	<u>650 Line</u>	Rebuil	d Project (Phase	<u>e 1A)</u>		Ci	ty/County:	Unin	corpor	rated/Placer	Sampling D	ate:	06/*	3/201	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State: CA	Sampling F	oint:	<u>705</u>	uplan	<u>nd</u>
Investigator(s):	I. de Geo	froy, S	<u>. Creer</u>					Se	ection,	Township, Rar	nge: <u>21, 17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.)): _				Local relie	ef (concave	e, conve	ex, nor	ne): <u>none</u>		Slop	e (%):		
Subregion (LRR):	MLRA 2	22A		Lat	<u>39.289451</u>			Long:	<u>-120.</u>	102378		Datum:	WGS8	4	
Soil Map Unit Name:	Jorge-T	ahoma	complex, 2 to 3	0 perc	ent slopes					NWI clas	ssification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain	in Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	rcumst	tances" present	?	Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	ed, exp	lain an	y answers in R	emarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes		No	\boxtimes					
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes					
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	. 1.72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:			
1				Number of Dominant Species			(4)
2				That Are OBL, FACW, or FAC:	<u>1</u>		(A)
3				Total Number of Dominant	2		
4				Species Across All Strata:	<u>2</u>		(B)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	<u>50</u>		(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	<u>50</u>		(A/D)
1				Prevalence Index worksheet:			
2				Total % Cover of:	Multiply	<u>by:</u>	
3				OBL species	x1 =		
4				FACW species <u>48</u>	x2 =	<u>96</u>	
5				FAC species <u>15</u>	x3 =	<u>45</u>	
50% =, 20% =		= Total Cove	r	FACU species	x4 =		
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species <u>37</u>	x5 =	<u>185</u>	
1. Juncus balticus	<u>45</u>	<u>yes</u>	FACW	Column Totals: <u>100</u> (A)		<u>326</u> (B)	
2. <u>Bromus carinatus</u>	<u>37</u>	<u>yes</u>	NL (UPL)	Prevalence Index = B/A =	= <u>3.2</u>		
3. <u>Cirsium scariosum</u>	<u>15</u>	<u>no</u>	FAC	Hydrophytic Vegetation Indicators:			
4. Equisetum laevigatum	<u>3</u>	no	FACW	1 – Rapid Test for Hydrophytic Vegetation	on		
5				2 - Dominance Test is >50%			
6				□ 3 - Prevalence Index is $\leq 3.0^1$			
7				4 - Morphological Adaptations ¹ (Provide	supportir	ng	
8				data in Remarks or on a separate sh	eet)		
9				5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (E:	xplain)		
11							
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	jy must		
Woody Vine Stratum (Plot size:)							
1							
2				Hydrophytic		Ne	
50% =, 20% =		= Total Cove	r	Vegetation Yes Present?		No	
% Bare Ground in Herb Stratum 0							
Remarks:							

SOIL									Sampling Po	oint: <u>705 u</u> p	bland		
Profile I	Description: (Describe to	the depth	n needed to d	locument the	indicator or c	onfirm the abs	sence o	of indicate	ors.)				
Dept	h Matrix			Re	edox Features								
(inches)	Color (moist)	%	Color (m	oist) g	% Тур	e ¹ Loc	2	Texture		F	Remarks		
<u>0-1</u>	organic layer	100											
<u>1-5</u>	<u>10 YR 2/2</u>	<u>100</u>						<u>loamy sa</u>	and				
<u>5-12</u>	<u>7.5 YR 2.5/1</u>	<u>95</u>	<u>7.5 YR 4</u>	/6	<u>5 C</u>	<u>M</u>		<u> </u>					
							_						
							_						
							_						
							_						
¹ Type: C	C= Concentration, D=Depl	etion, RM=	Reduced Mat	rix, CS=Cover	red or Coated S	Sand Grains.	² Loc	ation: PL=	Pore Lining, N	/=Matrix			
Hydric \$	Soil Indicators: (Applical	ble to all L	RRs, unless	otherwise no	oted.)			Indic	ators for Prob	blematic H	ydric S	oils ³ :	
🗆 Hi	stosol (A1)		\boxtimes	Sandy Red	ox (S5)				2 cm Muck ((A10)			
🗆 Hi	stic Epipedon (A2)			Stripped Ma	atrix (S6)				Red Parent	Material (T	F2)		
🗆 ві	ack Histic (A3)			Loamy Muc	ky Mineral (F1)	(except MLR/	A 1)		Very Shallow	w Dark Sur	face (TF	12)	
🗆 Ну	vdrogen Sulfide (A4)			Loamy Gle	yed Matrix (F2)				Other (Expla	ain in Rema	arks)		
	epleted Below Dark Surfac	ce (A11)		Depleted M	atrix (F3)								
D Th	nick Dark Surface (A12)			Redox Darl	k Surface (F6)								
🗆 Sa	andy Mucky Mineral (S1)			Depleted D	ark Surface (F7	7)			cators of hydro				
🗆 Sa	andy Gleyed Matrix (S4)			Redox Dep	ressions (F8)				etland hydrolog nless disturbed			t,	
Restrict	ive Layer (if present):												
Type:													
Depth (i	nches):					Hydric S	oils Pre	esent?		Yes	\boxtimes	No	
Remark	s: .					I							

Wetla	and Hydrology Indicat	ors:											
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or mor	re require	ed)		
\boxtimes	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves (B	9)			
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4B))			
\boxtimes	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B10)				
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Table	(C2)			
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on Aeri	ial Image	ery (C	9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)	\boxtimes	Geomorphic Position (D2	.)			
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)				
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5)				
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D6)	(LRR A)		
	Inundation Visible on	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummocks	(D7)			
	Sparsely Vegetated C	oncave S	Surface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes	\boxtimes	No		Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	Water Lable Present? Yes L No Saturation Present? Yes X No (includes capillary fringe)					Depth (inches):	Wetland	d Hy	drology Present?	Yes		No	
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available	e:						
Rem	arks:												

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		С	ity/County:	Unir	corpo	rated/Placer	Sampling D	ate:	06/	13/20 ⁻	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State: <u>CA</u>	Sampling P	oint:	706	uplar	nd
Investigator(s):	I. de Geo	ofroy, S	. Creer					S	ection	, Township, Rang	ge: <u>21,17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.): _				Local reli	ef (concave	e, conve	ex, noi	ne): <u>none</u>		Slop	oe (%):		
Subregion (LRR):	MLRA 2	22A		Lat	: <u>39.289284</u>			Long:	<u>-120</u>	102452		Datum:	<u>WGS8</u>	4	
Soil Map Unit Name:	Jorge-T	ahoma	a complex, 2 to 3	80 perc	ent slopes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\bowtie	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	rmal Ci	rcums	tances" present?	•	Yes		No	\boxtimes
Are Vegetation \Box ,	naturally proble	ematic?	(If need	led, exp	lain aı	ny answers in Re	marks.)								

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes	No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes				
					S table for Truckee, the ave annual rainfall for May 2014 is			

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Convex sloping area dominated by JUncus balticus, drains in to Martis Creek.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species	<u>1</u>	(A)
2			<u> </u>	That Are OBL, FACW, or FAC:		
3				Total Number of Dominant	<u>1</u>	(B)
4				Species Across All Strata:	_	()
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	<u>100</u>	(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:		()
1				Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species	x1 =	-
4				FACW species	x2 =	-
5				FAC species	x3 =	-
50% =, 20% =		= Total Cove	r	FACU species	x4 =	-
Herb Stratum (Plot size: 1 sq. m.)				UPL species	x5 =	-
1. Juncus balticus	<u>95</u>	<u>yes</u>	FACW	Column Totals: (A)		(B)
2. <u>Carex angustata</u>	<u>5</u>	<u>yes</u>	FACW	Prevalence Index = B/A =	:	
3				Hydrophytic Vegetation Indicators:		
4				□ 1 – Rapid Test for Hydrophytic Vegeta	tion	
5				2 - Dominance Test is >50%		
6				\Box 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provid		
8			. <u> </u>	data in Remarks or on a separate s	heet)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (I	Explain)	
11						
50% = <u>50,</u> 20% = <u>20</u>	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolo be present, unless disturbed or problematic.		
Woody Vine Stratum (Plot size:)				be present, unless disturbed of problematic.		
1						
2				Hydrophytic		
50% =, 20% =		= Total Cove	r	Vegetation Yes 🖾	No	
% Bare Ground in Herb Stratum 0				Present?		
Artemicio tridentete ourrounding	data point (te	st nit)				
Remarks: Alternisia indentata surrounding		51 pil).				

SOIL											Sampling Point: 706 upland
Profi	le Descr	iption: (Describe t	o the depth	n needed to a	documen	t the indicat	or or cont	firm the abse	nce of ind	licato	ors.)
De	epth	Matrix				Redox Fea	atures				
(inch	es)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	Тех	xture	Remarks
<u>(</u>)-1	organic layer	100		_				_		
2	-12	7.5 YR 2.5/1	<u>99</u>	<u>7.5 YR 5</u>	5/6	<u><1</u>	<u>C</u>	<u>M</u>	loan	nysa	<u>ind</u>
					-				_		
					-				_		
					-				-		
					-				-		
					-				-		
					-				-		
¹ Type	e: C= Co	ncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=C	Covered or C	oated Sand	d Grains.	² Location:	: PL=	Pore Lining, M=Matrix
Hydri	ic Soil Ir	dicators: (Applica	ble to all L	RRs, unless	otherwis	e noted.)				Indic	ators for Problematic Hydric Soils ³ :
	Histoso	(A1)		\boxtimes	Sandy	Redox (S5)					2 cm Muck (A10)
	Histic E	pipedon (A2)			Strippe	ed Matrix (S6)				Red Parent Material (TF2)
	Black H	istic (A3)			Loamy	Mucky Mine	ral (F1) (e :	xcept MLRA ²	1)		Very Shallow Dark Surface (TF12)
	Hydroge	en Sulfide (A4)			Loamy	Gleyed Mat	rix (F2)				Other (Explain in Remarks)
	Deplete	d Below Dark Surfa	ce (A11)		Deplet	ed Matrix (F3	3)				
	Thick D	ark Surface (A12)			Redox	Dark Surfac	e (F6)				
	Sandy I	Mucky Mineral (S1)			Deplet	ed Dark Surf	ace (F7)		:		cators of hydrophytic vegetation and etland hydrology must be present,
	Sandy (Gleyed Matrix (S4)			Redox	Depressions	s (F8)				nless disturbed or problematic.
Restr	ictive L	ayer (if present):									
Туре:											
Depth	n (inches):						Hydric Soil	ls Present	t?	Yes 🛛 No 🖾
Rema	arks:	Redox is <1%.									

Wetl	Netland Hydrology Indicators:												
Prim	ary Indicators (minimum	of one r	equired	; check	all tha	t apply)		Sec	ondary Indicators (2 or r	more requir	ed)		
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	s (B9)			
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)			
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B1	10)			
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	ble (C2)			
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on A	Aerial Imag	ery (C	9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)		Geomorphic Position	(D2)			
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)				
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5)			
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (E	06) (LRR A)		
	Inundation Visible on	Aerial Im	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummoo	:ks (D7)			
	Sparsely Vegetated C	oncave S	Surface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	ation Present? des capillary fringe)	Wetland	d Hy	drology Present?	Yes		No						
Desc	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Rem	arks: Sloping area	vithin upl	and boi	rdered I	oy draii	nages, slight overland flow to test pit. Drains to	o MArtis	Cre	ek.				

Project Site:	650 Line F	Rebuild	d Project (Phase	<u>e 1A)</u>		City	/County:	Unin	corpor	ated/Pla	acer	Sampling D)ate:	06/1	3/201	4
Applicant/Owner:	Liberty Uti	lities (CalPeco Electric	<u>)</u>						State:	CA	Sampling F	oint:	<u>801</u>	uplan	d
Investigator(s):	S. Innecke	en, J. H	<u>Hale</u>					Se	ection,	Townsh	nip, Rang	e: <u>21,17N</u>	<u>l, 17E</u>			
Landform (hillslope, tern	ace, etc.):					Local relief	(concave	, conve	x, non	e): <u>r</u>	one		Slop	e (%):	-	
Subregion (LRR):	<u>MLRA 22</u>	2A		Lat:	<u>39.301526</u>			Long:	<u>-120.</u>	<u>108598</u>			Datum:	WGS8	4	
Soil Map Unit Name:	Inville-Ri	verwa	sh-Aquolls com	plex, 2	to 5 percent slop	bes				١	WI class	ification:	N/A			
Are climatic / hydrologic	condition	s on th	ne site typical fo	r this tiı	ne of year?	Yes		No	\boxtimes	(If no, e	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly distu	urbed?	Are "Nor	rmal Cir	cumst	ances"	present?		Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, ı	naturally problem	natic?	(If neede	ed, expl	ain an	y answe	ers in Rer	narks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes		No	\boxtimes									
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes				
Wetland Hydrology Present?	Yes		No	\boxtimes									
Pamarke: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72													

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013..

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:			
1				Number of Dominant Species	0		(A)
2				That Are OBL, FACW, or FAC:	<u>0</u>		(A)
3				Total Number of Dominant	<u>3</u>		(B)
4				Species Across All Strata:	<u>5</u>		(D)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	<u>0</u>		(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	<u>u</u>		(,,,,,,)
1. <u>Artemisia tridentata</u>	<u>50</u>	<u>yes</u>	<u>NL (UPL)</u>	Prevalence Index worksheet:			
2. Chrysothamnus viscidiflorus	<u>2</u>	no	<u>NL (UPL)</u>	Total % Cover of:	Multiply	by:	
3				OBL species	x1 =		
4				FACW species 2	x2 =	<u>4</u>	
5				FAC species <u>2</u>	x3 =	<u>6</u>	
50% = <u>26</u> , 20% = <u>10.4</u>	<u>52</u>	= Total Cove	r	FACU species 25	x4 =	<u>100</u>	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species <u>71</u>	x5 =	<u>355</u>	
1. <u>Elymus elymoides</u>	<u>25</u>	<u>yes</u>	FACU	Column Totals: <u>100</u> (A)		<u>465</u> (B)	
2. <u>Bromus tectorum</u>	<u>19</u>	yes	NL (UPL)	Prevalence Index = B/A =	= <u>4.6</u>		
3. <u>Potentilla gracilis</u>	<u>2</u>	<u>no</u>	FAC	Hydrophytic Vegetation Indicators:			
4. Juncus balticus	<u>2</u>	no	FACW	1 – Rapid Test for Hydrophytic Vegetation	on		
5				2 - Dominance Test is >50%			
6				□ 3 - Prevalence Index is $\leq 3.0^1$			
7				4 - Morphological Adaptations ¹ (Provide	supporti	ng	
8				data in Remarks or on a separate sh	eet)	-	
9				5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)		
11							
50% = <u>24</u> , 20% = <u>9.6</u>	<u>48</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	jy must		
Woody Vine Stratum (Plot size:)							
1							
2				Hydrophytic			57
50% =, 20% =		= Total Cove	r	Vegetation Yes Present?		No	\boxtimes
% Bare Ground in Herb Stratum 52							
Remarks:				·			

SOIL											Sam	pling Po	oint: <u>801 u</u>	upland		
Profi	ile Desc	ription: (Describe to	o the depth	needed to c	document	the indicat	or or confi	rm the absenc	ce of ir	ndicato	rs.)					
D	epth	Matrix				Redox Fea	atures									
(inch	nes)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Т	exture				Remark	s	
(0-6	7.5 YR 2.5/2	100		-				sa	andy loa	m g	gravel/co	obbly			
					-						-					
					-						-					
					-						-					
—					-						-					
					-						-					
_					-						-					
—					-						-					
¹ Type	e: C= Co	oncentration, D=Depl	etion, RM=	Reduced Mat	trix, CS=Co	overed or Co	pated Sand	Grains. ² L	Locatio	n: PL=l	Pore L	ning, M	=Matrix			
Hydr	ic Soil I	ndicators: (Applica	ble to all L	RRs, unless	otherwise	e noted.)				Indica	ators f	or Prob	olematic	Hydric S	Soils ³ :	
	Histoso	ol (A1)			Sandy F	Redox (S5)					2 cm	Muck (A10)			
	Histic E	pipedon (A2)			Stripped	d Matrix (S6)				Red	Parent	Material (TF2)		
	Black H	listic (A3)			Loamy	Mucky Mine	ral (F1) (ex	cept MLRA 1)			Very	Shallov	v Dark Su	urface (T	F12)	
	Hydrog	en Sulfide (A4)			Loamy	Gleyed Mati	ix (F2)				Othe	r (Expla	in in Rem	narks)		
	Deplete	ed Below Dark Surfa	ce (A11)		Deplete	d Matrix (F3	5)									
	Thick D	ark Surface (A12)			Redox [Dark Surface	e (F6)									
	Sandy	Mucky Mineral (S1)			Deplete	d Dark Surf	ace (F7)					, ,	ohytic veg jy must b	,		
	Sandy	Gleyed Matrix (S4)			Redox	Depressions	(F8)						or proble		n,	
Rest	rictive L	ayer (if present):														
Туре	:															
Dept	h (inche	s):						Hydric Soils I	Prese	nt?			Yes		No	\boxtimes
Rem	arks:	Very rocky substrate	e, impenetr	able beyond 6	6 inches.											

Wetl	Netland Hydrology Indicators:												
Prim	ary Indicators (minimum	of one re	equired	; check	all that	apply)	Sec	ondary Indicators (2 or more required)					
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)					
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)					
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)					
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)					
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9)					
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3)) 🗆	Geomorphic Position (D2)					
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)					
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)					
	Surface Soil Cracks (B	6)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)					
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)					
	Sparsely Vegetated Co	oncave S	urface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	ation Present? des capillary fringe)	Yes		No		Depth (inches): Wet	tland Hy	drology Present? Yes 🗌 No 🖾					
Desc	ribe Recorded Data (stre	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:							
Rem	arks:												

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		Ci	ity/County:	Unin	corpor	ated/PI	acer	Sampling D	Date:	06/1	6/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State:	CA	Sampling F	oint:	<u>100</u>	1 upla	and
Investigator(s):	S. Inneck	en, I. c	le Geofroy, N. F	<u>isher</u>				S	ection,	Towns	hip, Rang	e: <u>21,171</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)): <u>te</u>	errace			Local relie	ef (concave	e, conve	x, non	e): <u>(</u>	convex		Slop	be (%):	<u>0</u>	
Subregion (LRR):	MLRA 2	2 <u>2</u> A		Lat	39.289147			Long:	<u>-120.</u>	10253			Datum:	WGS8	4	
Soil Map Unit Name:	Jorge-T	ahoma	complex, 2 to 3	0 perc	ent slopes					I	VWI class	ification:	<u>N/A</u>			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no,	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	rcumst	ances"	present?		Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	matic?	(If need	ed, exp	ain an	y answ	ers in Rer	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes					
Remarks: According to the Natural Resources Con	servatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	., 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:	ļ
1				Number of Dominant Species	、 、
2				That Are OBL, FACW, or FAC: \leq (A)	, ,
3				Total Number of Dominant	\ \
4				Species Across All Strata:	,
50% =, 20% =		= Total Cover		Percent of Dominant Species 100 (A/	/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	0)
1. <u>Salix geyeriana</u>	<u>15</u>	yes	FACW	Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% =, 20% =	<u>15</u>	= Total Cover		FACU species x4 =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. <u>Carex nebrascensis</u>	<u>88</u>	<u>yes</u>	OBL	Column Totals: (A) (B)	
2. Juncus balticus	<u>10</u>	<u>no</u>	FACW	Prevalence Index = B/A =	
3. <u>Stachys rigida var. rigida</u>	<u>1</u>	<u>no</u>	FACW	Hydrophytic Vegetation Indicators:	
4. <u>Ribes nevadense</u>	<u>1</u>	<u>no</u>	FAC	1 – Rapid Test for Hydrophytic Vegetation	
5				☑ 2 - Dominance Test is >50%	
6				□ 3 - Prevalence Index is $\leq 3.0^{1}$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				data in Remarks or on a separate sheet)	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	
50% =, 20% =		= Total Cover		Vegetation Yes ⊠ No □ Present?	1
% Bare Ground in Herb Stratum					
Remarks:					

SOIL								Sampling	g Point: <u>100</u>)1 uplan	<u>t</u>	
Profile De	escription: (Describe t	o the depti	n needed to do	ocument the ind	icator or confir	m the absend	ce of indicato	ors.)				
Depth	Matrix			Redox	Features							
(inches)	Color (moist)	%	Color (moi	st) %	Type ¹	Loc ²	Texture			Remarks	6	
<u>0-1</u>	organic	100										
<u>1-5</u>	<u>10 YR 2/2</u>	<u>99</u>	10 YR 5/8	<u>s <1</u>			loam					
<u>5-12</u>	<u>10 YR 2/2</u>	99	10 YR 5/8	<u>s <1</u>			sand					
¹ Type: C=	Concentration, D=Dep	letion, RM=	Reduced Matrix	x, CS=Covered c	or Coated Sand	Grains. ² L	Location: PL=	Pore Lining,	M=Matrix			
Hydric So	oil Indicators: (Applica	ble to all L	.RRs, unless o	therwise noted.)		Indic	ators for Pro	oblematic	Hydric S	oils ³ :	
□ Hist	osol (A1)			Sandy Redox (S	S5)			2 cm Muck	(A10)			
□ Hist	ic Epipedon (A2)			Stripped Matrix	(S6)			Red Paren	t Material (TF2)		
D Blac	ck Histic (A3)			Loamy Mucky M	lineral (F1) (exc	ept MLRA 1)		Very Shall	ow Dark Su	rface (T	=12)	
🛛 Hyd	Irogen Sulfide (A4)			Loamy Gleyed I	Matrix (F2)			Other (Exp	lain in Rem	arks)		
🛛 Dep	leted Below Dark Surfa	ce (A11)		Depleted Matrix	(F3)							
Thic	ck Dark Surface (A12)			Redox Dark Sur	face (F6)							
□ San	ndy Mucky Mineral (S1)			Depleted Dark S	Surface (F7)			ators of hydr				
□ San	ndy Gleyed Matrix (S4)			Redox Depress	ions (F8)			less disturbe			ι,	
Restrictiv	ve Layer (if present):											
Type:												
Depth (inc	ches):					Hydric Soils	Present?		Yes		No	\boxtimes
Remarks:	On lowest riparian t	errace of N	lartis Creek.									

Wetl	and Hydrology Indica	tors:											
Prim	ary Indicators (minimun	n of one r	equired	; check	all tha	t apply)		Sec	ondary Indicators (2 or	more requir	red)		
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	s (B9)			
	High Water Table (A2	2)				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)			
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)			
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)			
	Sediment Deposits (E	32)				Hydrogen Sulfide Odor (C1)			Saturation Visible on	Aerial Imag	ery (C	9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Root	ts (C3)	\boxtimes	Geomorphic Position	(D2)			
	Algal Mat or Crust (B4	4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3))			
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6))		FAC-Neutral Test (D5	5)			
	Surface Soil Cracks (B6)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)		
	Inundation Visible on	Aerial Im	agery (B7)		Other (Explain in Remarks)			Frost-Heave Hummoo	cks (D7)			
	Sparsely Vegetated C	Concave S	Surface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	ation Present? des capillary fringe)	Yes		No	\boxtimes	Depth (inches):	Wetlar	nd Hy	drology Present?	Yes		No	
Desc	ribe Recorded Data (st	ream gau	uge, mo	nitoring	well, a	aerial photos, previous inspections), if availa	able:						
Rem	arks: .												

Project Site:	650 Line I	Rebuil	d Project (Phase	e 1A)		С	ity/County:	<u>Unir</u>	corpoi	rated/Pla	acer	Sampling D	Date:	06/1	6/201	14
Applicant/Owner:	Liberty Ut	ilities (CalPeco Electri	<u>c)</u>						State:	CA	Sampling F	oint:	100	2 upla	and
Investigator(s):	S. Inneck	en, I. c	le Geofroy, N. F	isher				S	ection,	Townsh	hip, Rang	e: <u>21, 17</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)	: <u>b</u>	<u>ank</u>			Local reli	ef (concave	e, conve	ex, nor	ne): <u>c</u>	convex		Slop	be (%):	<u>0-0.</u>	5
Subregion (LRR):	MLRA 2	<u>2A</u>		Lat	<u>39.288803</u>			Long:	<u>-120.</u>	10259			Datum:	WGS8	4	
Soil Map Unit Name:	Jorge-Ta	ahoma	complex, 2 to 3	30 perc	ent slopes					Ν	WI class	ification:	<u>N/A</u>			
Are climatic / hydrologi	c conditior	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, e	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	turbed?	Are "No	rmal Ci	rcumst	tances"	present?		Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	ed, exp	lain an	iy answe	ers in Rer	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes					
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	, 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species		(0)
2				That Are OBL, FACW, or FAC:	<u>)</u>	(A)
3				Total Number of Dominant 3		(B)
4				Species Across All Strata:	<u>)</u>	(B)
50% =, 20% =		= Total Cover		Percent of Dominant Species	00	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	00	(/08)
1. Alnus incana subsp. tenuifolia	<u>10</u>	<u>yes</u>	FACW	Prevalence Index worksheet:		
2. <u>Salix geyeriana</u>	<u>5</u>	<u>yes</u>	FACW	Total % Cover of: M	/lultiply by:	
3				OBL species x	.1 =	
4				FACW species x	2 =	
5				FAC species x	3 =	
50% = <u>7.5</u> , 20% = <u>3</u>	<u>15</u>	= Total Cover		FACU species x	4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x	5 =	
1. <u>Carex nebrascensis</u>	<u>90</u>	yes	<u>OBL</u>	Column Totals: (A)		(B)
2. Juncus balticus	<u>5</u>	no	FACW	Prevalence Index = B/A =		
3. Sidalcea oregana subsp. spicata	<u>3</u>	no	FACW	Hydrophytic Vegetation Indicators:		
4. Equisetum laevigatum	1	no	FACW	□ 1 – Rapid Test for Hydrophytic Vegetation	1	
5. <u>Poa sp.</u>	<u>1</u>	no	-	2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^{1}$		
7				4 - Morphological Adaptations ¹ (Provide su	upporting	
8				data in Remarks or on a separate shee	et)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Exp	olain)	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic.	must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic		_
50% =, 20% =		= Total Cover		Vegetation Yes ⊠ Present?	No	
% Bare Ground in Herb Stratum						
Remarks:						

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOIL								Sampling Point:	002 uplan	d	
Profile Des	cription: (Describe	to the depth	needed to c	locument the i	ndicator or con	firm the absend	ce of indicate	ors.)			
Depth	Matrix			Red	ox Features						
(inches)	Color (moist)	%	Color (me	oist) %	Type ¹	Loc ²	Texture		Remark	s	
<u>0-1.5</u>	organic	100									
<u>1.5-2.5</u>							sand				
<u>2.5-12</u>	<u>10 YR 2/2</u>	<u>97-98</u>	<u>7.5 YR 5</u>	<u>2-3</u>	<u>C</u>		<u>clay loa</u>	<u>m</u>			
								<u> </u>			
¹ Type: C= C	Concentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=Covered	d or Coated San	d Grains. ²	Location: PL=	Pore Lining, M=Matri	ĸ		
Hydric Soil	Indicators: (Applic	able to all L	RRs, unless	otherwise note	ed.)		Indic	ators for Problemat	c Hydric S	Soils ³ :	
Histos	sol (A1)			Sandy Redox	: (S5)			2 cm Muck (A10)			
□ Histic	Epipedon (A2)			Stripped Matr	ix (S6)			Red Parent Materia	վ (TF2)		
Black	Histic (A3)			Loamy Mucky	/ Mineral (F1) (e	xcept MLRA 1)		Very Shallow Dark	Surface (T	F12)	
□ Hydro	ogen Sulfide (A4)			Loamy Gleye	d Matrix (F2)			Other (Explain in R	emarks)		
Deple	ted Below Dark Surfa	ace (A11)	\boxtimes	Depleted Mat	rix (F3)						
□ Thick	Dark Surface (A12)			Redox Dark S	Surface (F6)						
□ Sandy	y Mucky Mineral (S1)			Depleted Dar	k Surface (F7)			cators of hydrophytic	0		
□ Sandy	y Gleyed Matrix (S4)			Redox Depre	ssions (F8)			etland hydrology mus nless disturbed or prol		it,	
Restrictive	Layer (if present):										
Туре:											
Depth (inche	es):					Hydric Soils	Present?	Yes	\boxtimes	No	
Remarks:											

Wetla	and Hydrology Indicate	ors:											
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)	5	Seco	ondary Indicators (2 or	more requir	ed)		
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	s (B9)			
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)			
	Saturation (A3)					Salt Crust (B11)	I		Drainage Patterns (B	10)			
	Water Marks (B1)					Aquatic Invertebrates (B13)	I		Dry-Season Water Ta	ble (C2)			
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)	I		Saturation Visible on	Aerial Imag	ery (C9)		
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	3) İ	\boxtimes	Geomorphic Position	(D2)			
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)	I		Shallow Aquitard (D3))			
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)	I		FAC-Neutral Test (D5)			
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)	[Raised Ant Mounds (I	D6) (LRR A	.)		
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)	[Frost-Heave Hummod	cks (D7)			
	Sparsely Vegetated C	oncave S	urface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	ation Present? des capillary fringe)	Yes		No	\boxtimes	Depth (inches): W	letland	Hyd	Irology Present?	Yes		•	
Desc	ribe Recorded Data (str	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available:							
Rema	arks:												

Project Site:	650 Line	Rebuil	d Project (Phase	<u>e 1A)</u>		Cit	ty/County:	Unin	corpo	rated/Placer	Sampling D	ate:	06/1	16/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electric	<u>c)</u>						State: CA	Sampling P	oint:	<u>100</u>	3 upla	Ind
Investigator(s):	S. Inneck	en, N.	Fisher					S	ection,	Township, Ran	ge: <u>21,17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.)	: <u>h</u> i	<u>illslope</u>			Local relie	f (concave	e, conve	ex, nor	ne): <u>convex</u>		Slop	be (%):	<u>3</u>	
Subregion (LRR):	MLRA 2	2A		Lat:	<u>39.28859</u>			Long:	<u>-120.</u>	102675		Datum:	WGS8	4	
Soil Map Unit Name:	Jorge-T	ahoma	complex, 2 to 3	0 perce	ent slopes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	sturbed?	Are "No	rmal Ci	rcums	tances" present	?	Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□ , ı	naturally proble	ematic?	(If need	led, exp	lain ar	ny answers in Re	emarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes					
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	Stable for Truckee, the ave annual rainfall for May 2014 is	0 67 iu	hchos	1 72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Work	ksheet:			
1				Number of Dominant S	pecies	2		(4)
2				That Are OBL, FACW,	or FAC:	<u>2</u>		(A)
3				Total Number of Domin	ant	2		(B)
4				Species Across All Stra	ata:	<u> </u>		(6)
50% =, 20% =		= Total Cove	r	Percent of Dominant Sp	pecies	100		(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW,	or FAC:	100		(A/B)
1				Prevalence Index wor	ksheet:			
2				Total % Co	over of:	Multiply	by:	
3				OBL species		x1 =		
4				FACW species		x2 =		
5				FAC species		x3 =		
50% =, 20% =		= Total Cove	r	FACU species		x4 =		
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species		x5 =		
1. <u>Carex nebrascensis</u>	<u>40</u>	<u>yes</u>	OBL	Column Totals:	(A)			(B)
2. Juncus balticus	<u>60</u>	yes	FACW	Prev	valence Index = B/A	\ =		
3				Hydrophytic Vegetation				
4				□ 1 – Rapid Test fo	r Hydrophytic Vege	tation		
5				2 - Dominance Te	est is >50%			
6				3 - Prevalence Ind	dex is <u><</u> 3.0¹			
7				4 - Morphological	Adaptations ¹ (Prov	/ide supporti	ng	
8					ks or on a separate		0	
9				5 - Wetland Non-	Vascular Plants ¹			
10				Problematic Hydr	ophytic Vegetation	¹ (Explain)		
11						,		
50% =, 20% =	100	= Total Cove	r	¹ Indicators of hydric soi be present, unless dist				
Woody Vine Stratum (Plot size:)				be present, unless dist	arbed of problemati	0.		
1								
2				Hydrophytic		_		_
50% =, 20% =		= Total Cove	r	Vegetation Present?	Yes	\boxtimes	No	
% Bare Ground in Herb Stratum				Tresent:				
Remarks:								

Profile Description: (Descripte to the depth needed to document the indicator or confirm the absence of indicators). Depth Matrix Redox Features (inches) Color (moist) % Type1 Loc2 Texture Remarks 0-10 organic 100		
Color (moist) % Color (moist) % Type1 Loc2 Texture Remarks 0-10 organic 100		
0-10 organic 100		
10-12 10 YR 2/2 98 7 YR 6/8 2 C M loamy sand		
Image:		
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soil Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)		
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soil Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)		
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soil Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)		
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soil Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)		
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soil Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)		
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soil Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)		
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soil Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)		
Histosol (A1) Sandy Redox (S5) 2 cm Muck (A10) Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)		
Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)	s ³ :	
Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)		
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks)		
	2)	
Depleted Below Dark Surface (A11)		
Thick Dark Surface (A12) Redox Dark Surface (F6)		
□ Sandy Mucky Mineral (S1) □ Depleted Dark Surface (F7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present,	1	
Sandy Gleyed Matrix (S4) Redox Depressions (F8) wetana information of problematic.		
Restrictive Layer (if present):		
Туре:		
Depth (inches): Yes 🛛	No	\boxtimes
Remarks:		

Wetl	and Hydrology Indicate	ors:						
Prim	ary Indicators (minimum	of one re	equired	; check	all that	apply)	Sec	ondary Indicators (2 or more required)
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)
\boxtimes	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9)
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🖾	Geomorphic Position (D2)
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)
	Surface Soil Cracks (E	86)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated Co	oncave S	Surface	(B8)				
Field	Observations:							
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):		
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):		
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	etland Hyd	drology Present? Yes 🗌 No 🖾
Desc	cribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:		
Rem	arks <i>:</i>							

Project Site:	650 Line Rel	build Project (Phase	e 1A)		Ci	ty/County:	Unir	ncorpo	rated/Placer	Sampling [Date:	06/1	6/201	4
Applicant/Owner:	Liberty Utiliti	<u>es (CalPeco Electri</u>	<u>ic)</u>						State: CA	Sampling F	Point:	<u>100</u>	3 wetl	and
Investigator(s):	S. Innecken,	N. Fisher					S	ection	, Township, Ran	ge: <u>21, 171</u>	N, 17E			
Landform (hillslope, ter	race, etc.):	<u>floodplain</u>			Local relie	ef (concave	e, conve	ex, noi	ne): <u>none</u>		Slop	be (%):		_
Subregion (LRR):	<u>MLRA 22A</u>		Lat:	<u>39.288616</u>			Long:	<u>-120</u>	.102721		Datum:	WGS8	4	
Soil Map Unit Name:	Jorge-Taho	oma complex, 2 to 3	30 perce	nt slopes					NWI clas	sification:	<u>N/A</u>			
Are climatic / hydrologi	c conditions of	on the site typical fo	or this tin	ne of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.))			
Are Vegetation \Box ,	Soil 🗌	, or Hydrology	□, s	ignificantly dis	sturbed?	Are "No	rmal Ci	rcums	tances" present?	?	Yes		No	\boxtimes
Are Vegetation \Box ,	Soil 🛛	, or Hydrology	□, r	aturally proble	ematic?	(If need	ed, exp	lain ar	ny answers in Re	emarks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 iı	nches	i, 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2				That Are OBL, FACW, or FAC:	(A)
3				Total Number of Dominant 2	(B)
4				Species Across All Strata:	(0)
50% =, 20% =		= Total Cover		Percent of Dominant Species	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	(///////
1. <u>Salix geyeriana</u>	<u>8</u>	<u>yes</u>	FACW	Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4				FACW species x2 =	
5				FAC species x3 =	
50% = <u>4</u> , 20% = <u>1.6</u>	<u>8</u>	= Total Cover		FACU species x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. <u>Carex nebrascensis</u>	<u>94</u>	<u>yes</u>	<u>OBL</u>	Column Totals: (A) (B))
2. Juncus balticus	<u>3</u>	<u>no</u>	FACW	Prevalence Index = B/A =	
3. <u>Potentilla gracilis</u>	<u>2</u>	<u>no</u>	FAC	Hydrophytic Vegetation Indicators:	
4. <u>Stellaria longipes</u>	1	<u>no</u>	FACW	1 – Rapid Test for Hydrophytic Vegetation	
5				☑ 2 - Dominance Test is >50%	
6				□ 3 - Prevalence Index is $\leq 3.0^{1}$	
7				4 - Morphological Adaptations ¹ (Provide supporting	
8				 4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) 	
9				5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11					
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)				be present, unless disturbed of problematic.	
1					
2				Hydrophytic	_
50% =, 20% =		= Total Cover		Vegetation Yes 🛛 No Present?	
% Bare Ground in Herb Stratum					
Remarks:					

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SOIL								S	ampling Poi	nt: <u>100</u>	3 wetlar	nd	
Profile Des	scription: (Describe t	o the depth	n needed to d	ocument the ir	dicator or conf	irm the absen	ce of indica	ators.)					
Depth	Matrix			Redo	ox Features								
(inches)	Color (moist)	%	Color (mo	oist) %	Type ¹	Loc ²	Textu	re		I	Remarks	6	
<u>0-8</u>	organic	100											
<u>8-12</u>	<u>10 YR 2/2</u>	<u>95</u>	<u>7.5 YR 5</u>	<u>/8 5</u>	<u>C</u>	<u>M</u>	<u>clay lo</u>	bam					
¹ Type: C= 0	Concentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=Covered	l or Coated Sand	d Grains. ²	Location: P	L=Pore I	Lining, M=M	atrix			
Hydric Soi	I Indicators: (Applica	ble to all L	RRs, unless	otherwise note	d.)		Inc	dicators	for Probler	natic H	Hydric S	oils³:	
□ Histo	sol (A1)			Sandy Redox	(S5)			2 cr	m Muck (A10	D)			
□ Histic	c Epipedon (A2)			Stripped Matr	ix (S6)			Rec	d Parent Mat	erial (1	TF2)		
Black	k Histic (A3)			Loamy Mucky	Mineral (F1) (ex	(cept MLRA 1		Ver	y Shallow D	ark Su	rface (TI	-12)	
□ Hydro	ogen Sulfide (A4)			Loamy Gleye	d Matrix (F2)			Oth	er (Explain i	n Rem	arks)		
Deple Deple	eted Below Dark Surfa	ce (A11)		Depleted Mat	rix (F3)								
□ Thick	Dark Surface (A12)		\boxtimes	Redox Dark S	urface (F6)								
□ Sand	ly Mucky Mineral (S1)			Depleted Dar	k Surface (F7)		³ In		of hydrophy				
□ Sand	ly Gleyed Matrix (S4)			Redox Depres	ssions (F8)				hydrology n listurbed or			ι,	
Restrictive	e Layer (if present):												
Туре:													
Depth (inch	nes):					Hydric Soils	Present?		•	Yes	\boxtimes	No	
Remarks:	Mottles not visible.												

Wetla	and Hydrology Indicate	ors:											
Prima	ary Indicators (minimum	of one re	equired	; check	Secondary Indicators (2 or more required)								
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)			
	High Water Table (A2)	1				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)			
\boxtimes	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)			
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)			
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on	Aerial Image	ery (C9)		
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (0	C3)	\boxtimes	Geomorphic Position	(D2)			
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3))			
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)			
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)		
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)			
	Sparsely Vegetated C	oncave S	Surface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches):	Wetland	d Hyd	drology Present?	Yes	🖾 No		
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available	e:						
Rem	arks:												

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		C	City/County:	Unir	ncorpo	rated/Placer	Sampling D	Date:	06/1	6/201	4
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State: <u>CA</u>	Sampling F	oint:	100	4 upla	ind
Investigator(s):	S. Inneck	ken, N.	Fisher					S	ection	, Township, Ran	ge: <u>21,171</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.): _				Local rel	ief (concave	e, conve	ex, noi	ne):		Slop	oe (%):		
Subregion (LRR):	MLRA 2	22A		Lat	<u>39.287645</u>			Long:	<u>-120</u>	.103298		Datum:	WGS8	4	
Soil Map Unit Name:	Jorge-T	ahoma	complex, 2 to 3	0 perc	ent slopes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	\Box ,	or Hydrology	□,	significantly dis	sturbed?	Are "No	rmal Ci	rcums	tances" present?	2	Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	led, exp	lain ar	ny answers in Re	emarks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes					
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	Stable for Truckee, the ave annual rainfall for May 2014 is	: 0 67 iı	nches	1 72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:			
1				Number of Dominant Species	1		(A)
2				That Are OBL, FACW, or FAC:	<u>⊥</u>		(ম)
3				Total Number of Dominant	2		(B)
4				Species Across All Strata:	<u>~</u>		(8)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species	<u>50</u>		(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	<u></u>		(/ (/ D))
1. <u>Artemisia tridentata</u>	<u>3</u>	<u>yes</u>	<u>NL (UPL)</u>	Prevalence Index worksheet:			
2				Total % Cover of:	Multiply	by:	
3				OBL species	x1 =		
4				FACW species 75	x2 =	<u>150</u>	
5				FAC species <u>1</u>	x3 =	<u>3</u>	
50% =, 20% =	<u>3</u>	= Total Cove	r	FACU species	x4 =		
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species <u>7</u>	x5 =	<u>35</u>	
1. <u>Juncus balticus</u>	<u>62</u>	yes	FACW	Column Totals: <u>83</u> (A)		<u>188</u> (B)	
2. <u>Equisetum laevigatum</u>	<u>15</u>	no	FACW	Prevalence Index = B/A =	= <u>2.23</u>		
3. <u>Cirsium sp.</u>	<u>15</u>	<u>no</u>		Hydrophytic Vegetation Indicators:			
4. <u>Wyethia mollis</u>	<u>3</u>	<u>no</u>	<u>NL (UPL)</u>	1 – Rapid Test for Hydrophytic Vegetati	ion		
5. <u>Poa pratensis</u>	<u>1</u>	<u>no</u>	FAC	2 - Dominance Test is >50%			
6. <u>Paeonia brownii</u>	<u>1</u>	<u>no</u>	<u>NL (UPL)</u>	⊠ 3 - Prevalence Index is $\leq 3.0^1$			
7				4 - Morphological Adaptations ¹ (Provide	e supportir	ng	
8				data in Remarks or on a separate sh	neet)	0	
9				5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)		
11							
50% = <u>48.5</u> , 20% = <u>19.4</u>	<u>97</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	gy must		
Woody Vine Stratum (Plot size:)							
1							
2				Hydrophytic		N	
50% =, 20% =		= Total Cove	r	Vegetation Yes ⊠ Present?		No	
% Bare Ground in Herb Stratum							
Remarks:							

SOIL									Sampling Po	int: <u>1004 (</u>	upland		
Profile D	escription: (Describe to t	he depth	needed to d	ocument	t the indica	tor or conf	irm the absenc	e of indicate	ors.)			-	
Depth	n Matrix				Redox Fe	atures							
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Texture		F	Remarks		
<u>0-2</u>	organic	100											
<u>2-12</u>	<u>10 YR 2/2</u>	<u>99</u>	<u>7.5 YR 7</u>	/8	<u>1</u>	<u>C</u>	M	<u>clay loa</u>	<u>am</u>				
¹Type: C₌	= Concentration, D=Depleti	ion, RM=F	Reduced Matr	rix, CS=C	overed or C	oated Sand	d Grains. ² L	_ocation: PL=	=Pore Lining, M=	=Matrix			
Hydric S	oil Indicators: (Applicable	e to all Ll	RRs, unless (otherwise	e noted.)			Indic	cators for Prob	lematic H	lydric So	oils ³ :	
Hist	stosol (A1)			Sandy I	Redox (S5)				2 cm Muck (A	410)			
His:	tic Epipedon (A2)			Strippe	d Matrix (Se	3)			Red Parent N	Material (T	F2)		
🗆 Bla	ack Histic (A3)			Loamy	Mucky Mine	əral (F1) (e x	xcept MLRA 1)		Very Shallow	/ Dark Sur	face (TF	[:] 12)	
🛛 Hyo	drogen Sulfide (A4)			Loamy	Gleyed Mat	rix (F2)			Other (Explai	in in Rema	arks)		
🛛 Dep	pleted Below Dark Surface	(A11)		Deplete	ed Matrix (F	3)							
🛛 Thio	ick Dark Surface (A12)			Redox	Dark Surfac	;e (F6)							
□ Sar	ndy Mucky Mineral (S1)			Deplete	ed Dark Surl	face (F7)			icators of hydrop	, ,			
□ Sar	ndy Gleyed Matrix (S4)			Redox	Depression	s (F8)			vetland hydrolog			.,	
Restricti	ve Layer (if present):												
Туре:													
Depth (in	.ches):						Hydric Soils I	Present?		Yes		No	\boxtimes
Remarks:	:						1					-	

Wetl	and Hydrology Indicate	ors:						
Prim	ary Indicators (minimum	of one re	equired	; check	all that	apply)	Sec	ondary Indicators (2 or more required)
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)
\boxtimes	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9)
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🖾	Geomorphic Position (D2)
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)		Shallow Aquitard (D3)
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)
	Surface Soil Cracks (E	86)				Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
	Sparsely Vegetated Co	oncave S	Surface	(B8)				
Field	Observations:							
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):		
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):		
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	etland Hyd	drology Present? Yes 🗌 No 🖾
Desc	cribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:		
Rem	arks <i>:</i>							

Project Site:	<u>650 Li</u>	ne Rebui	ild Project (Phas	e 1A)		C	ity/County:	: <u>Unir</u>	ncorpo	rated/Placer	Sampling [Date:	06/	16/20 ⁻	14
Applicant/Owner:	Liberty	Utilities	(CalPeco Electri	ic)						State: CA	Sampling F	Point:	<u>100</u>	4 wet	land
Investigator(s):	<u>S. Inne</u>	ecken, N	. Fisher. I. de Ge	eofroy				S	ection	, Township, Rar	ge: <u>21, 171</u>	N, 17E			
Landform (hillslope, te	rrace, e	tc.):				Local reli	ief (concave	e, conve	ex, noi	ne):		Slo	oe (%):		
Subregion (LRR):	MLR	A 22A		Lat	: <u>39.287696</u>			Long:	<u>-120</u>	103182		Datum:	WGS8	<u>84</u>	
Soil Map Unit Name:	Jorge	e-Tahom	a complex, 2 to 3	30 perc	ent slopes					NWI clas	sification:	N/A			
Are climatic / hydrolog	ic condi	tions on	the site typical fo	or this ti	me of year?	Yes		No	\bowtie	(If no, explain	in Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	ormal Ci	rcums	tances" present	?	Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	naturally proble	roblematic? (If needed, explain any answers in Remarks.)			emarks.)							

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No									
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No				
Wetland Hydrology Present?	Yes	\boxtimes	No									
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72												

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual raintall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species		(A)
2				That Are OBL, FACW, or FAC:		(A)
3				Total Number of Dominant		(B)
4				Species Across All Strata:		(D)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species 100		(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:		(700)
1				Prevalence Index worksheet:		
2				Total % Cover of: Multip	y by:	
3				OBL species x1 =		
4				FACW species x2 =		
5				FAC species x3 =		
50% =, 20% =		= Total Cove	r	FACU species x4 =		
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =		
1. Juncus balticus	<u>30</u>	<u>yes</u>	FACW	Column Totals: (A)	(B)
2. <u>Equisetum laevigatum</u>	<u>25</u>	<u>yes</u>	FACW	Prevalence Index = B/A =		
3. <u>Carex nebrascensis</u>	<u>15</u>	<u>no</u>	<u>OBL</u>	Hydrophytic Vegetation Indicators:		
4. <u><i>Poa sp.</i></u>	<u>5</u>	no		1 – Rapid Test for Hydrophytic Vegetation		
5. <u>Cirsium sp.</u>	<u>5</u>	no		2 - Dominance Test is >50%		
6. <u>Potentilla gracilis</u>	<u>10</u>	<u>no</u>	FAC	□ 3 - Prevalence Index is $\leq 3.0^1$		
7. <u>Achillea millefolium</u>	<u>10</u>	<u>no</u>	FACU	4 - Morphological Adaptations ¹ (Provide support	rting	
8				data in Remarks or on a separate sheet)	Ū.	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (Explain)		
11						
50% =, 20% =	<u>100</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic	N.	_
50% =, 20% =		= Total Cove	r	Vegetation Yes ⊠ Present?	No	
% Bare Ground in Herb Stratum						
Remarks:				·		

Depth	cription: (Describe to Matrix	ano dopa		ooumor	Redox Fea						
(inches)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	_ Texture	Remark	s	
0-1	organic	100				.) p o					
<u>1-6</u>	10 YR 2/2	<u>99</u>	7.5 YR 5	/8	<1	<u>C</u>	M	sandy cl	ay		
<u></u> 6-12	10 YR 2/2	90	7.5 YR 5		10	<u> </u>	M	silty cla			
	<u></u>			-		-		<u>,</u>	£		
	oncentration, D=Deple	tion RM-	Reduced Mat	riv CS-(Covered or C	ated Sand	Grains ² Lo		Pore Lining, M=Matrix		
	Indicators: (Applicat								ators for Problematic Hydric	Soile ³	
•	sol (A1)				Redox (S5)				2 cm Muck (A10)	50115 .	
	Epipedon (A2)				ed Matrix (S6	`			Red Parent Material (TF2)		
	•••••					,				E40	
	Histic (A3)					. , .	ept MLRA 1)		Very Shallow Dark Surface (T	F12)	
	gen Sulfide (A4)				/ Gleyed Mat	. ,			Other (Explain in Remarks)		
	ted Below Dark Surfac	e (A11)		•	ted Matrix (F3	,					
	Dark Surface (A12)		\boxtimes		Dark Surfac	()		21 1			
	/ Mucky Mineral (S1)			Deplet	ted Dark Surf	ace (F7)			ators of hydrophytic vegetation		
Sandy	/ Gleyed Matrix (S4)			Redox	Depressions	s (F8)			less disturbed or problematic.	,	
Restrictive	Layer (if present):										
Type:											
Depth (inche	es):						Hydric Soils P	resent?	Yes 🛛	No	
Remarks:											

HYDROLOGY

Wetl	and Hydrology Indicate	ors:										
Prim	ary Indicators (minimum	of one re	equired	; check	all that	S	Seco	ondary Indicators (2 or more requi	red)			
	Surface Water (A1)					Water-Stained Leaves (B9)	C		Water-Stained Leaves (B9)			
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4B)			
\boxtimes	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B10)			
	Water Marks (B1)						Dry-Season Water Table (C2)					
	Sediment Deposits (B2	2)			3	Saturation Visible on Aerial Imag	ery (C	9)				
	Drift Deposits (B3)		C3) 🗵	3	Geomorphic Position (D2)							
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)	C		Shallow Aquitard (D3)			
	Iron Deposits (B5)				FAC-Neutral Test (D5)							
	Surface Soil Cracks (B	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D6) (LRR A)		
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)	Ľ		Frost-Heave Hummocks (D7)			
	Sparsely Vegetated Co	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	Saturation Present? Yes No Depth (inches): (includes capillary fringe) Yes No Depth (inches):								rology Present? Yes		No	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Rem	arks <i>:</i>											

Sampling Point: 1004 wetland

Project Site:	<u>650 Line</u>	Rebuil	d Project (Phase	<u>ə 1A)</u>		С	ity/County:	<u>Unir</u>	corpo	rated/Placer	Sampling D	Date:	06/	16/20 ⁻	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State: <u>CA</u>	Sampling P	oint:	100	5 upla	and
Investigator(s):	I. de Geo	ofroy						S	ection	, Township, Rang	ge: <u>21,17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.): _				Local reli	ef (concave	e, conve	ex, noi	ne):		Slop	be (%):		
Subregion (LRR):	MLRA 2	22A		Lat	39.284641			Long:	<u>-120</u>	.103747		Datum:	<u>WGS8</u>	<u>84</u>	
Soil Map Unit Name:	Jorge-T	ahoma	a complex, 2 to 3	30 perc	ent slopes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	or this ti	me of year?	Yes		No	\bowtie	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	\Box ,	or Hydrology	\Box ,	significantly dis	sturbed?	Are "No	rmal Ci	rcums	tances" present?		Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	naturally proble	roblematic? (If needed, expla			d, explain any answers in Remarks.)							

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No									
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes			
Wetland Hydrology Present?	Yes		No	\boxtimes								
emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72												

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

1.	Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
2.	1				Number of Dominant Species	(4)
4	2				That Are OBL, FACW, or FAC:	(A)
4	3				Total Number of Dominant	(D)
Saping/Shub Stratum (Plot size: 1 sq. m) That Are OBL, FACW, or FAC: 100 (A/B) 1.	4				Species Across All Strata:	(D)
Sapling/Shrub Stratum (Plot size: 1 sq. m) Intervent of the stratum (Plot size: 1 sq. m) Inter	50% =, 20% =		= Total Cove	r		(
2	Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	(A/D)
3	1				Prevalence Index worksheet:	
4					Total % Cover of: Multiply by:	
5	3				OBL species x1 =	
50% =, 20% =	4				FACW species x2 =	
Herb Stratum (Plot size: 1 sq. m.) UPL species x5 = 1. Carex angustata 84 yes FACW Column Totals:(A) (B) 2. Potentilla gracilis 5 no FAC Prevalence Index = B/A =	5				FAC species X3 =	
1. Carex angustata 84 yes FACW Column Totals:(A)(B) 2. Potentilla gracilis 5 no FAC Prevalence Index = B/A =	50% =, 20% =		= Total Cove	r	FACU species x4 =	
2. Potentilla gracilis 5 no FAC Prevalence Index = B/A =	<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
3. Sidalcea oregana subsp. spicata 5 no FACW Hydrophytic Vegetation Indicators: 4. Juncus balticus 5 no FACW □ 1 - Rapid Test for Hydrophytic Vegetation 5. Trifolium longipes 1 no FAC ☑ 2 - Dominance Test is >50% 6	1. <u>Carex angustata</u>	<u>84</u>	yes	FACW	Column Totals:(A)(B)
4. Juncus balticus 5 no FACW 1 - Rapid Test for Hydrophytic Vegetation 5. Tritolium longipes 1 no FAC 2 - Dominance Test is >50% 6	2. Potentilla gracilis	<u>5</u>	<u>no</u>	FAC	Prevalence Index = B/A =	
5. Tritolium longipes 1 no FAC \square 2 - Dominance Test is >50% 6.	3. Sidalcea oregana subsp. spicata	<u>5</u>	<u>no</u>	FACW	Hydrophytic Vegetation Indicators:	
6	4. Juncus balticus	<u>5</u>	no	FACW	1 – Rapid Test for Hydrophytic Vegetation	
7	5. <u>Trifolium longipes</u>	<u>1</u>	<u>no</u>	FAC	2 - Dominance Test is >50%	
8	6				□ 3 - Prevalence Index is $\leq 3.0^1$	
8 9 10 11 50% =, 20% = 100 10 10 10 10 11 50% =, 20% = 100 10 10 10 10 10 10 100 = Total Cover Woody Vine Stratum (Plot size:) 1	7				4 - Morphological Adaptations ¹ (Provide supporting	
10 11 50% =, 20% = 100 100 = Total Cover Problematic Hydrophytic Vegetation ¹ (Explain) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Yes No Present?	8				data in Remarks or on a separate sheet)	
11 1Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 50% =	9				5 - Wetland Non-Vascular Plants ¹	
50% =, 20% = 100 = Total Cover ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Woody Vine Stratum (Plot size:) 1 2 50% =, 20% = = Total Cover % Bare Ground in Herb Stratum	10				Problematic Hydrophytic Vegetation ¹ (Explain)	
50% =, 20% = 100 = Total Cover be present, unless disturbed or problematic. Woody Vine Stratum (Plot size:) 1 2	11					
Woody Vine Stratum (Plot size:)	50% =, 20% =	<u>100</u>	= Total Cove	r		
2 Hydrophytic 50% =, 20% = = Total Cover Vegetation Yes No □ % Bare Ground in Herb Stratum	Woody Vine Stratum (Plot size:)					
2 2 Yes No □ 50% = 2.0% = = Total Cover Present? % Bare Ground in Herb Stratum	1					
50% =, 20% = = Total Cover Present? % Bare Ground in Herb Stratum = Total Cover Present?	2					_
% Bare Ground in Herb Stratum	50% =, 20% =		= Total Cove	r	-	
Remarks:	% Bare Ground in Herb Stratum					
	Remarks:				t.	

SOIL	DIL Sampling Point: <u>1005 upland</u> Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)													
Prof	ile Desc	ription: (Describe t	o the depth	n needed to a	document	the indicat	or or confi	rm the absend	ce of indica	tors.)				
C	Pepth	Matrix				Redox Fea	atures							
(incl	hes)	Color (moist)	%	Color (m	oist)	%	Type ¹	Loc ²	Textur	e		Remarks	3	
	0-2	organic	100								_			
	2-12	<u>10 YR 2/2</u>	<u>99</u>	<u>10 YR 5</u>	/8	<u><1</u>	<u>C</u>	M	loamy	and				
_														
-														
-														
-														
_														
-														
1Тур	e: C= Co	oncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=Co	vered or Co	pated Sand	Grains. ² l	Location: Pl	.=Pore Linin	g, M=Matrix			
Hyd	ric Soil I	ndicators: (Applica	ble to all L	RRs, unless	otherwise	noted.)			Ind	icators for I	Problematic I	Hydric S	oils ³ :	
	Histoso	ol (A1)			Sandy R	edox (S5)				2 cm Mu	ıck (A10)			
	Histic E	pipedon (A2)			Stripped	Matrix (S6))			Red Par	ent Material (TF2)		
	Black H	listic (A3)			Loamy N	lucky Mine	ral (F1) (ex	cept MLRA 1)		Very Sh	allow Dark Su	rface (TI	F12)	
	Hydrog	en Sulfide (A4)			Loamy G	Bleyed Matr	ix (F2)			Other (E	xplain in Rem	arks)		
	Deplete	ed Below Dark Surfa	ce (A11)		Depleted	d Matrix (F3	5)							
	Thick D	Oark Surface (A12)		\boxtimes	Redox D	ark Surface	e (F6)							
	Sandy	Mucky Mineral (S1)			Depleted	Dark Surfa	ace (F7)				drophytic veg			
	Sandy	Gleyed Matrix (S4)			Redox D	epressions	(F8)				ology must be bed or proble		τ,	
Rest	trictive L	ayer (if present):												
Туре	e:													
Dept	th (inche	s):						Hydric Soils	Present?		Yes		No	
Rem	arks:	Insufficient redox.												

Wetl	etland Hydrology Indicators: imary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required)												
Prima	ary Indicators (minimum	of one r	equired	; check	all that	t apply)	Sec	condary Indicators (2 or more required)					
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)					
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)					
\boxtimes	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)					
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)					
	Sediment Deposits (B	2)			\boxtimes	Saturation Visible on Aerial Imagery (C9)							
	Drift Deposits (B3)				3) 🗆	Geomorphic Position (D2)							
	Algal Mat or Crust (B4)				Shallow Aquitard (D3)							
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)					
	Surface Soil Cracks (E	36)				Raised Ant Mounds (D6) (LRR A)							
	Inundation Visible on	Aerial Im	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)					
	Sparsely Vegetated C	oncave S	Surface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	ation Present? des capillary fringe)	Yes		No		Depth (inches): We	etland Hy	drology Present? Yes 🗆 No 🖾					
Desc	ribe Recorded Data (str	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available:							
Rem	arks: Meadow in sw	ale, likel	y carries	s sheet	flow in	to MArtis Creek. Does not saturate soils sufficier	ntly to cre	ate hydric conditions. Convex surface.					
I.													

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		Ci	ity/County:	Unin	corpo	rated/Pla	acer	Sampling D	Date:	06/1	7/201	14
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State:	CA	Sampling F	oint:	120	1 upla	and
Investigator(s):	S. Inneck	en, N.	Fisher					S	ection,	Townsh	nip, Rang	e: <u>21,17</u> N	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)): <u>te</u>	errace			Local relie	ef (concave	e, conve	ex, nor	ne): <u>c</u>	onvex		Slop	be (%):	<u>0-2</u>	
Subregion (LRR):	MLRA 2	2A		Lat	: <u>39.284261</u>			Long:	<u>-120.</u>	103942			Datum:	WGS8	4	
Soil Map Unit Name:	Jorge-T	ahoma	a complex, 2 to 3	0 perc	ent slopes					Ν	WI class	ification:	<u>N/A</u>			
Are climatic / hydrologi	c conditior	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, e	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	rmal Ci	rcumst	tances" p	present?		Yes		No	\boxtimes
Are Vegetation \Box ,], Soil □, or Hydrology □, naturally					roblematic? (If need		(If needed, explain any answers in		ers in Rer	marks.)					

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No								
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes		
Wetland Hydrology Present?	Yes	\boxtimes	No								
emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72											

marks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfail for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1				Number of Dominant Species	(A)
2				That Are OBL, FACW, or FAC: $\frac{2}{2}$	(A)
3				Total Number of Dominant	(B)
4				Species Across All Strata:	(D)
50% =, 20% =		= Total Cover		Percent of Dominant Species 100	(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	,A/D)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x1 =	
4	;			FACW species x2 =	
5	;			FAC species x3 =	
50% =, 20% =		= Total Cover		FACU species x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species x5 =	
1. <u>Carex praegracilis</u>	<u>30</u>	yes	FACW	Column Totals: (A) (B))
2. Juncus balticus	<u>20</u>	<u>yes</u>	FACW	Prevalence Index = B/A =	
3. Hordeum brachyantherum	<u>15</u>	no	FACW	Hydrophytic Vegetation Indicators:	
4. <u>Senecio integerrimus</u>	<u>15</u>	<u>no</u>	FACU	1 – Rapid Test for Hydrophytic Vegetation	
5. <u>Carex nebrascensis</u>	<u>14</u>	no	OBL	2 - Dominance Test is >50%	
6. <u>Stellaria longipes</u>	<u>2</u>		FACW	□ 3 - Prevalence Index is $\leq 3.0^1$	
7. <u>Cirsium sp.</u>	<u>2</u>			4 - Morphological Adaptations ¹ (Provide supporting	
8. <u>Achillea millefolium</u>	<u>2</u>		FACU	data in Remarks or on a separate sheet)	
9. Maianthemum stellatum	<u>1</u>		FACU	5 - Wetland Non-Vascular Plants ¹	
10				Problematic Hydrophytic Vegetation ¹ (Explain)	
11				4	
50% =, 20% =	<u>100</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size:)					
1					
2				Hydrophytic	-
50% =, 20% =		= Total Cover		Vegetation Yes 🛛 No Present?	
% Bare Ground in Herb Stratum					
Remarks:					

Project Site: 650 Line Rebuild Project (Phase 1A)

SOIL

SO	L									Sampl	ing Point: <u>120</u>	1 uplanc	<u>1</u>	
Prof	file Desc	ription: (Describe t	o the deptl	n needed to c	locument th	e indicat	or or conf	irm the absence	e of indicat	ors.)				
0	Depth	Matrix			R	edox Fea	tures							
(inc	hes)	Color (moist)	%	Color (me	oist)	%	Type ¹	Loc ²	Texture			Remarks	;	
	0-1	organic	100											
	1-12	<u>10 YR 2/2</u>	<u>98</u>	<u>10 YR 6</u>	/8	2	<u>CS</u>	M	sandy cl	<u>ay</u> <u>conc</u>	centrations =	sand gra	ins	
_					· <u> </u>					·				
_														
_					· _									
_					· _									
_					· _									
_					· _									
1Тур	e: C= Co	ncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=Cove	ered or Co	ated Sand	I Grains. ² Lo	ocation: PL=	Pore Linin	g, M=Matrix			
Hyd	ric Soil I	ndicators: (Applica	ble to all L	.RRs, unless	otherwise n	oted.)			Indic	ators for F	Problematic I	lydric S	oils³:	
	Histoso	l (A1)			Sandy Ree	dox (S5)				2 cm Mu	ıck (A10)			
	Histic E	pipedon (A2)			Stripped M	latrix (S6))			Red Par	ent Material (TF2)		
	Black H	listic (A3)			Loamy Mu	cky Mine	ral (F1) (ex	cept MLRA 1)		Very Sha	allow Dark Su	rface (TF	12)	
	Hydrog	en Sulfide (A4)			Loamy Gle	yed Matr	ix (F2)			Other (E	xplain in Rem	arks)		
	Deplete	ed Below Dark Surfa	ce (A11)		Depleted I	Aatrix (F3)							
	Thick D	ark Surface (A12)			Redox Da	rk Surface	e (F6)							
	Sandy	Mucky Mineral (S1)			Depleted [Dark Surfa	ace (F7)				drophytic veg			
	Sandy	Gleyed Matrix (S4)			Redox De	oressions	(F8)				ology must be bed or proble		t,	
Res	trictive L	ayer (if present):									•			
Туре	e:													
Dep	th (inches	s):						Hydric Soils P	Present?		Yes		No	\boxtimes
Rem	narks:													

Wetla	and Hydrology Indicate	ors:										
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)	\$	Sec	ondary Indicators (2 or i	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves	s (B9)		
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
\boxtimes	Saturation (A3)					Salt Crust (B11)	I		Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)	I		Dry-Season Water Ta	ble (C2)		
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)]	\boxtimes	Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3) l	\boxtimes	Geomorphic Position	(D2)		
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)	I		Shallow Aquitard (D3))		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)	I		FAC-Neutral Test (D5)		
	Surface Soil Cracks (E	86)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)	
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)	I		Frost-Heave Hummoo	cks (D7)		
	Sparsely Vegetated Co	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ation Present? des capillary fringe)	Yes		No		Depth (inches): W	Vetland	Нус	trology Present?	Yes	🖾 No	
Desc	ribe Recorded Data (stre	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:	:					
Rema	arks:											

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		С	ity/County:	Unin	corpoi	ated/Pla	acer	Sampling D	Date:	06/1	8/201	4
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electri	<u>c)</u>						State:	CA	Sampling F	Point:	140	2 upla	ind
Investigator(s):	S. Inneck	en, N.	Fisher					S	ection,	Townsh	nip, Rang	e: <u>21, 171</u>	N, 17E			
Landform (hillslope, ter	race, etc.)): <u>h</u>	illslope			Local relie	ef (concave	e, conve	x, nor	ie): <u>c</u>	onvex		Slop	be (%):	<u>15</u>	
Subregion (LRR):	MLRA 2	2A		Lat	39.268076			Long:	<u>-120.</u>	<u>072653</u>			Datum:	WGS8	4	
Soil Map Unit Name:	Jorge ve	ery sto	ny sandy loam, 3	30 to 50) percent slope	<u>+S</u>				Ν	WI class	ification:	N/A			
Are climatic / hydrologi	c conditior	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, e	explain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	rcumst	ances" p	present?		Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, ।	naturally proble	matic?	(If need	ed, exp	ain an	y answe	ers in Rer	marks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 i	nches	i, 1.72	

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:			
1				Number of Dominant Species	1		(A)
2				That Are OBL, FACW, or FAC:	<u>1</u>		(A)
3				Total Number of Dominant	3		(B)
4				Species Across All Strata:	<u>5</u>		(D)
50% =, 20% =		= Total Cover		Percent of Dominant Species	<u>33</u>		(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	<u></u>		(,,,,,,)
1. <u>Purshia tridentata</u>	<u>30</u>	<u>yes</u>	<u>NL (UPL)</u>	Prevalence Index worksheet:			
2				Total % Cover of:	Multiply	by:	
3				OBL species	x1 =		
4				FACW species	x2 =		
5				FAC species <u>15</u>	x3 =	<u>45</u>	
50% = <u>15</u> , 20% = <u>6</u>		= Total Cover		FACU species <u>15</u>	x4 =	<u>60</u>	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species <u>30</u>	x5 =	<u>150</u>	
1. <u>Drymocallis glandulosa</u>	<u>15</u>	<u>yes</u>	FAC	Column Totals: <u>60</u> (A)		<u>255</u> (B)	
2. <u>Elymus elymoides</u>	<u>15</u>	<u>yes</u>	FACU	Prevalence Index = B/A =	4.25		
3				Hydrophytic Vegetation Indicators:			
4				1 – Rapid Test for Hydrophytic Vegetation	on		
5				2 - Dominance Test is >50%			
6				□ 3 - Prevalence Index is $\leq 3.0^1$			
7				- 4 - Morphological Adaptations ¹ (Provide	supporti	na	
8				 4 - Morphological Adaptations' (Provide data in Remarks or on a separate shi 			
9				5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)		
11					. ,		
50% = <u>15</u> , 20% = <u>6</u>	<u>30</u>	= Total Cover		¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	Jy must		
Woody Vine Stratum (Plot size:)				be present, unless disturbed of problematic.			
1							
2				Hydrophytic			_
50% =, 20% =		= Total Cover		Vegetation Yes Present?		No	\boxtimes
% Bare Ground in Herb Stratum <u>40</u>				Fiesent?			
Remarks:							

SOIL								Samplin	g Point: <u>140</u>	2 uplano	<u>t</u>	
Profile Desc	ription: (Describe t	o the depth	needed to d	ocument the indi	cator or confir	m the absence	of indicato	ors.)				
Depth	Matrix			Redox F	eatures							
(inches)	Color (moist)	%	Color (mo	oist) %	Type ¹	Loc ²	Texture			Remarks	5	
<u>0-3</u>	10 YR 2/2	100					loamy sa	nd				
¹ Type: C= Co	ncentration, D=Dep	letion, RM=	Reduced Mati	rix, CS=Covered or	Coated Sand	Grains. ² Lo	ocation: PL=	Pore Lining,	M=Matrix			
Hydric Soil I	ndicators: (Applica	able to all L	RRs, unless	otherwise noted.)			Indic	ators for Pr	oblematic I	lydric S	oils ³ :	
Histoso	l (A1)			Sandy Redox (S	5)			2 cm Muck	(A10)			
Histic E	pipedon (A2)			Stripped Matrix (S6)			Red Parer	t Material (ΓF2)		
Black H	listic (A3)			Loamy Mucky Mi	ineral (F1) (exc	ept MLRA 1)		Very Shall	ow Dark Su	rface (TI	-12)	
□ Hydrog	en Sulfide (A4)			Loamy Gleyed N	latrix (F2)			Other (Exp	lain in Rem	arks)		
Deplete	ed Below Dark Surfa	ice (A11)		Depleted Matrix	(F3)							
Thick D	ark Surface (A12)			Redox Dark Surf	ace (F6)							
□ Sandy	Mucky Mineral (S1)			Depleted Dark S	urface (F7)			ators of hydi				
□ Sandy	Gleyed Matrix (S4)			Redox Depression	ons (F8)			etland hydrol less disturbe			t,	
Restrictive L	ayer (if present):											
Туре:												
Depth (inches	s):					Hydric Soils P	resent?		Yes		No	
Remarks:					·							

Wetl	and Hydrology Indicat	ors:										
Prim	ary Indicators (minimum	of one re	equired	; check	all that	t apply)		Sec	ondary Indicators (2 or	more requir	ed)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leave	s (B9)		
	High Water Table (A2)				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and	4B)		
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)		
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)		
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on	Aerial Image	ery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3)		Geomorphic Position	(D2)		
	Algal Mat or Crust (B4	+)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)		
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5	5)		
	Surface Soil Cracks (B	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D6) (LRR A)	
	Inundation Visible on	Aerial Ima	agery (I	37)		Other (Explain in Remarks)			Frost-Heave Hummo	cks (D7)		
	Sparsely Vegetated C	oncave S	Surface	(B8)								
Field	Observations:											
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):						
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):						
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): W	Vetland	d Hyd	drology Present?	Yes	🗆 No	
Desc	cribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:	:					
Rem	arks:											

Project Site:	<u>650 Line</u>	Rebuil	d Project (Phase	e 1A)		Ci	ity/County:	Unin	corpo	rated/Placer	Sampling D	Date:	06/*	18/201	14
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State: CA	Sampling F	oint:	140	2 wet	and
Investigator(s):	S. Inneck	ken, N.	Fisher					Se	ection,	Township, Ran	ge: <u>21,17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.): <u>te</u>	errace/floodplain	-		Local relie	ef (concave	e, conve	x, nor	ne): <u>convex</u>		Slop	be (%):		
Subregion (LRR):	MLRA 2	22A		Lat:	39.268068			Long:	<u>-120.</u>	072662		Datum:	WGS8	4	
Soil Map Unit Name:	Jorge v	ery sto	nysandyloam,	30 to 50) percent slope	<u>+S</u>				NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this tiı	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, :	significantly dis	turbed?	Are "No	rmal Ci	rcums	tances" present?	•	Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□, ı	naturally proble	matic?	(If need	ed, exp	lain ar	ny answers in Re	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No						
Remarks: According to the Natural Resources Cons	servatio	n Sei	vices	WETS	S table for Truckee, the ave annual rainfall for May 2014 is	s 0.67 ir	nches	s, 1.72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual raintall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:
1				Number of Dominant Species
2				That Are OBL, FACW, or FAC: $\underline{2}$ (A)
3				Total Number of Dominant 3 (B)
4				Species Across All Strata: $\underline{3}$ (B)
50% =, 20% =		= Total Cove	r	Percent of Dominant Species 66 (A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x1 =
4				FACW species x2 =
5				FAC species x3 =
50% =, 20% =		= Total Cove	r	FACU species x4 =
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species x5 =
1. <u>moss (unknown)</u>	<u>25</u>	<u>n/a*</u>		Column Totals: (A) (B)
2. <u>Trifolium cyathiferum</u>	<u>20</u>	<u>yes</u>	FAC	Prevalence Index = B/A =
3. Acmispon americanus var. americanus	<u>20</u>	<u>yes</u>	FACU	Hydrophytic Vegetation Indicators:
4. Juncus effusia	<u>15</u>	<u>yes</u>	FACW	1 – Rapid Test for Hydrophytic Vegetation
5. <u>Madia gracilis</u>	<u>10</u>	no	NL (UPL)	☑ 2 - Dominance Test is >50%
6. Deschampsia danthonioides	<u>10</u>	<u>no</u>	FACW	□ 3 - Prevalence Index is $\leq 3.0^1$
7				4 - Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants ¹
10				Problematic Hydrophytic Vegetation ¹ (Explain)
11				
50% = <u>37.5,</u> 20% = <u>15</u>	<u>75</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)				
1				
2				Hydrophytic
50% =, 20% =		= Total Cove	r	Vegetation Yes ⊠ No □ Present?
% Bare Ground in Herb Stratum				
Remarks: Dried moss covering soil surface.				

								Jamping	Point: 1402		<u>.</u>	
Profile Des	cription: (Describe to	the depth	n needed to de	ocument the ind	dicator or conf	irm the absen	ce of indicato	ors.)				
Depth	Matrix			Redox	Features							
(inches)	Color (moist)	%	Color (mo	ist) %	Type ¹	Loc ²	Texture			Remark	s	
<u>0-1</u>	moss								_			
<u>1-2</u>	organic								_			
<u>2-7</u>	7.5 YR 3/2	<u>80</u>	<u>5 YR 5/8</u>	<u>20</u>	<u>C</u>	M	sandy cla	<u>ay</u>	_			
									_			
									_			
									-			
									-			
									-			
	Concentration, D=Deple					d Grains. 4	Location: PL=					
•	Indicators: (Applicat	ole to all L	-		•				roblematic	Hydric S	Soils ³ :	
Histos	sol (A1)			Sandy Redox (S5)			2 cm Muc	k (A10)			
Histic	Epipedon (A2)			Stripped Matrix	c (S6)			Red Pare	nt Material (TF2)		
Black	Histic (A3)			Loamy Mucky	Mineral (F1) (e x	(cept MLRA 1)		Very Sha	low Dark Su	ırface (T	F12)	
Hydro	gen Sulfide (A4)			Loamy Gleyed	Matrix (F2)			Other (Ex	plain in Rem	narks)		
Deple	ted Below Dark Surfac	e (A11)		Depleted Matri	x (F3)							
Thick	Dark Surface (A12)		\boxtimes	Redox Dark Su	urface (F6)							
□ Sandy	/ Mucky Mineral (S1)			Depleted Dark	Surface (F7)				lrophytic veg logy must b			
□ Sandy	Gleyed Matrix (S4)			Redox Depress	sions (F8)				ed or proble		п,	
Restrictive	Layer (if present):											
Туре:												
Depth (inch	es):					Hydric Soils	Present?		Yes	\boxtimes	No	
Remarks:	Impenetrable cobbly	layer at 7'	'.									

Wetla	and Hydrology Indicat	ors:											
Prima	ary Indicators (minimum		Secondary Indicators (2 or more required)										
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves (B9)				
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4B)				
	Saturation (A3)					Salt Crust (B11)		\boxtimes	Drainage Patterns (B1	0)			
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Tab	ole (C2)			
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on A	erial Image	ery (C	9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3)	\boxtimes	Geomorphic Position (D2)			
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3)				
□ Iron Deposits (B5)				Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5)						
	Surface Soil Cracks (B6)					Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (D	6) (LRR A)		
Inundation Visible on Aerial Imagery (B7)				37)		Other (Explain in Remarks)			Frost-Heave Hummocks (D7)				
	Sparsely Vegetated C	oncave S	urface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
Saturation Present? Yes D No (includes capillary fringe)				Depth (inches): Wetla			drology Present?	Yes		No			
Describe Recorded Data (stream gauge, monitoring well, aerial phot						erial photos, previous inspections), if available	e:						
Rem	arks:												

Project Site:	pject Site: 650 Line Rebuild Project (Phase 1A)						ity/County:	ounty: <u>Unincorporated/Placer</u> Sampling					Date:	06/*	18/201	14
Applicant/Owner:	Liberty U	tilities	(CalPeco Electri	<u>c)</u>						State:	CA	Sampling F	Point:	<u>140</u>	3 upla	and
Investigator(s):	S. Innecl	ken, N.	Fisher, I. de Ge	ofroy, S	S. Creer			S	ection,	Townsh	ip, Rang	e: <u>21,171</u>	N, 17E			
Landform (hillslope, ter	race, etc.): _				Local reli	ief (concave	e, conve	ex, nor	ne): <u>c</u>	onvex		Slop	oe (%):		
Subregion (LRR):	MLRA 2	22A		Lat	<u>39.267765</u>			Long:	<u>-120.</u>	.072958			Datum:	WGS8	<u>84</u>	
Soil Map Unit Name:	Jorge v	ery sto	ny sandy loam,	30 to 5	0 percent slope	: <u>S</u>				N	IWI class	ification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	or this ti	me of year?	Yes		No	\boxtimes	(If no, e	xplain in	Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	turbed?	Are "No	rmal Ci	rcumst	tances" p	present?		Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	matic?	(If need	ed, exp	lain ar	ny answe	rs in Rer	narks.)				

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No								
Hydric Soil Present?			No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes		
Wetland Hydrology Present?			No	\boxtimes							
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72											

inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1				Number of Dominant Species	1	(A)
2				That Are OBL, FACW, or FAC:	<u>1</u>	(A)
3				Total Number of Dominant	1	(B)
4				Species Across All Strata:	±	(B)
50% =, 20% =		= Total Cove		Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:		()
1				Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species	x1 =	
4				FACW species	x2 =	
5				FAC species	x3 =	
50% =, 20% =		= Total Cove		FACU species	x4 =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	
1. Juncus balticus	<u>90</u>	<u>yes</u>	FACW	Column Totals: (A)		(B)
2. <u>Agrostis idahoensis</u>	<u>10</u>	no	FACW	Prevalence Index = B/A =		
3				Hydrophytic Vegetation Indicators:		
4				1 – Rapid Test for Hydrophytic Vegetati	ion	
5				2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide		
8				data in Remarks or on a separate sh	ieet)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cove		¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	gy must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic Vegetation Yes 🛛	No	
50% =, 20% =		= Total Cove	Ē	Present?	NO	
% Bare Ground in Herb Stratum						
Remarks:						

SOI	L									Sampling	g Point: <u>140</u>	3 uplanc		
Prof	file Desc	ription: (Describe t	o the depti	n needed to c	locument th	e indicator	or confirm	n the absence	e of indicat	ors.)				
0	Depth	Matrix			R	edox Featu	res							
(incl	hes)	Color (moist)	%	Color (me	oist)	%	Type ¹	Loc ²	Texture		Remarks			
	0-3	organic												
	<u>3-12</u>	<u>10 YR 2/1</u>	<u>99</u>	<u>10 YR 6</u>	/8	<u><1</u>	<u>C</u>	M	silty cla	<u>ay</u>				
_					· <u> </u>									
_					· _									
-					· _									
-					· _									
_					· <u> </u>									
_					· <u> </u>									
¹Тур	e: C= Co	ncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=Cove	ered or Coat	ted Sand C	Grains. ² Lo	ocation: PL=	=Pore Lining,	M=Matrix			
Hyd	ric Soil I	ndicators: (Applica	ble to all L	.RRs, unless	otherwise n	oted.)			India	cators for Pro	oblematic H	lydric S	oils ³ :	
	Histoso	l (A1)			Sandy Ree	dox (S5)				2 cm Muck	: (A10)			
	Histic E	pipedon (A2)			Stripped N	latrix (S6)				Red Paren	t Material (1	ΓF2)		
	Black H	listic (A3)			Loamy Mu	cky Mineral	(F1) (exc	ept MLRA 1)		Very Shalle	ow Dark Su	rface (TF	12)	
	Hydrog	en Sulfide (A4)			Loamy Gle	yed Matrix	(F2)			Other (Exp	lain in Rem	arks)		
	Deplete	ed Below Dark Surfa	ce (A11)		Depleted I	Aatrix (F3)								
	Thick D	ark Surface (A12)			Redox Da	rk Surface (F6)							
	Sandy	Mucky Mineral (S1)			Depleted [Dark Surfac	e (F7)			cators of hydr				
	Sandy	Gleyed Matrix (S4)			Redox De	oressions (F	-8)			etland hydrol nless disturbe			Ι,	
Res	trictive L	ayer (if present):									,			
Туре	e:													
Dep	th (inches	s):						Hydric Soils P	resent?		Yes		No	\boxtimes
Rem	narks:						1							

Wetl	and Hydrology Indicat	ors:												
Prim	ary Indicators (minimum	of one re	equired	Secondary Indicators (2 or more required)										
Surface Water (A1) Water-Stained Leaves (B9)									Water-Stained Leaves (B9)					
	High Water Table (A2)				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4B)					
	Saturation (A3)					Salt Crust (B11)			Drainage Patterns (B	10)				
	Water Marks (B1)					Aquatic Invertebrates (B13)			Dry-Season Water Ta	able (C2)				
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)			Saturation Visible on	Aerial Imag	ery (C9)			
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	3)	\boxtimes	Geomorphic Position	(D2)				
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)			Shallow Aquitard (D3))				
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)			FAC-Neutral Test (D5)					
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (D1) (LRR A)			Raised Ant Mounds (I	D6) (LRR A)			
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)									Frost-Heave Hummoo	cks (D7)				
	Sparsely Vegetated C	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	er Table Present?	Yes		No	\boxtimes	Depth (inches):								
Saturation Present? Yes I No (includes capillary fringe)				Depth (inches): Wetlan			trology Present?	Yes	🗆 No					
Desc	cribe Recorded Data (str	eam gau	ge, mo	nitoring	well, a	erial photos, previous inspections), if available:								
Rem	arks:													

Project Site:	650 Line R	Rebuild P	roject (Phase	e 1A)		C	ity/County	: <u>Unir</u>	ncorpor	ated/Pla	acer	Sampling D	ate:	06/1	9/201	4
Applicant/Owner:	Liberty Util	lities (Ca	IPeco Electri	<u>c)</u>						State:	CA	Sampling P	oint:	<u>150</u>	5 upla	Ind
Investigator(s):	S. Innecke	n, J. Hal	<u>e</u>					S	ection,	Townsl	hip, Rang	je: <u>21, 17N</u>	, 17E			
Landform (hillslope, ter	race, etc.):			Local reli	ief (concav	e, conve	ex, nor	ie): <u>c</u>	convex		Slope	e (%):				
Subregion (LRR):	MLRA 22	2 <u>A</u>		Lat:	39.272633			Long:	<u>-120.</u>	<u>099676</u>			Datum:	NGS8	4	
Soil Map Unit Name:	ma corr	plex, 2 to 30 p	ercent slop	<u>bes</u>			١	WI class	sification:	Freshwa wetland		nerge	nt			
Are climatic / hydrologi	c conditions	s on the	site typical fo	or this tir	ne of year?	Yes		No	\boxtimes	(If no, e	explain ir	n Remarks.)				
Are Vegetation \Box ,	Soil	□, or	Hydrology	□, s	significantly dis	turbed?	Are "No	ormal Ci	rcumst	ances"	present?		Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□, or	Hydrology	□, r	naturally proble	matic?	(If need	led, exp	lain an	y answe	ers in Rei	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No					
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes	No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes				

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:			
1		·		Number of Dominant Species	1		(A)
2				That Are OBL, FACW, or FAC:	<u>1</u>		(A)
3				Total Number of Dominant	2		(B)
4				Species Across All Strata:	<u>~</u>		(D)
50% =, 20% =		= Total Cover		Percent of Dominant Species	50		(A/B)
Sapling/Shrub Stratum (Plot size: <u>1 sq. m</u>)				That Are OBL, FACW, or FAC:	00		(,,,,,,)
1				Prevalence Index worksheet:			
2				<u>Total % Cover of:</u>	Multiply I	by:	
3				OBL species	x1 =		
4				FACW species <u>65</u>	x2 =	<u>130</u>	
5				FAC species	x3 =		
50% =, 20% =		= Total Cover		FACU species	x4 =		
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species <u>30</u>	x5 =	150	
1. Juncus balticus	<u>65</u>	<u>yes</u>	FACW	Column Totals: <u>100</u> (A)		<u>280</u> (B)	
2. <u>Bromus carinatus</u>	<u>30</u>	<u>yes</u>	<u>NL (UPL)</u>	Prevalence Index = B/A =	= <u>2.8</u>		
3. <u>Wyethia mollis</u>	<u>5</u>	<u>no</u>	<u>NL (UPL)</u>	Hydrophytic Vegetation Indicators:			
4				1 – Rapid Test for Hydrophytic Vegetation	on		
5				2 - Dominance Test is >50%			
6				⊠ 3 - Prevalence Index is $\leq 3.0^1$			
7				 4 - Morphological Adaptations¹ (Provide data in Remarks or on a separate sh 		ng	
8				·	eet)		
9				5 - Wetland Non-Vascular Plants ¹			
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)		
11				¹ Indicators of hydric soil and wetland hydrolog	nv must		
50% =, 20% =	<u>100</u>	= Total Cover	•	be present, unless disturbed or problematic.	Jy maor		
Woody Vine Stratum (Plot size:)							
1				Hydrophytic			
2				Vegetation Yes 🛛		No	
50% =, 20% =		= Total Cover		Present?			_
% Bare Ground in Herb Stratum							
Remarks:							

SOIL	Soll Sampling Point: 1505 upland														
Prof	ile Descri	ption: (Describe t	o the depti	h needed to d	locument	the indicato	r or confi	irm the absend	ce of indica	itors.)					
D	epth	Matrix				Redox Feat	ures								
(inch	nes)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Textur	e	I	Remarks			
	0-2	organic									_				
2	2-12	7.5 YR 3/2	<u>98</u>	<u>2.5 YR 6</u>	/5	<u><2</u>	<u>C</u>		sandy l	oam	_				
_											_				
_											_				
_											_				
_											_				
_															
1Тур	ype: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix														
Hydr	ic Soil In	dicators: (Applica	ble to all L	.RRs, unless	otherwise	e noted.)			Ind	icators for P	roblematic H	lydric S	oils ³ :		
	Histosol	(A1)			Sandy F	Redox (S5)				2 cm Muc	:k (A10)				
	Histic Ep	ipedon (A2)			Stripped	d Matrix (S6)				Red Pare	nt Material (1	ΓF2)			
	Black His	stic (A3)			Loamy I	Mucky Miner	al (F1) (ex	cept MLRA 1)		Very Sha	llow Dark Su	rface (TF	12)		
	Hydroge	n Sulfide (A4)			Loamy (Gleyed Matri	x (F2)			Other (Ex	plain in Rem	arks)			
	Depleted	l Below Dark Surfa	ce (A11)		Deplete	d Matrix (F3)									
	Thick Da	rk Surface (A12)			Redox [Dark Surface	(F6)								
	Sandy N	lucky Mineral (S1)			Deplete	d Dark Surfa	ce (F7)			dicators of hyd	1 2 0				
	Sandy G	leyed Matrix (S4)			Redox [Depressions	(F8)			wetland hydro unless disturb			,		
Rest	rictive La	yer (if present):													
Туре	:														
Dept	h (inches)	:						Hydric Soils	Present?		Yes		No	\boxtimes	
Rem	arks:														

Wetla	Vetland Hydrology Indicators:												
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)	Se	econdary Indicators (2 or more required)					
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)					
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)					
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)					
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)					
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9)					
	Drift Deposits (B3)					3)	Geomorphic Position (D2)						
	Algal Mat or Crust (B4)					Shallow Aquitard (D3)						
	Iron Deposits (B5)					FAC-Neutral Test (D5)							
	Surface Soil Cracks (E	86)					Raised Ant Mounds (D6) (LRR A)						
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)					
	Sparsely Vegetated Co	oncave S	Surface	(B8)									
Field	Observations:												
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):							
	ation Present? des capillary fringe)	Yes		No	Depth (inches): W	Vetland H	ydrology Present? Yes 🗆 No 🖾						
Desc	ribe Recorded Data (stre	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available:	:						
Rem	arks: Sloping ground	d to Midc	lle Mart	is Cree	k.								

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		C	ity/County:	Unir	corpo	rated/Placer	Sampling D	ate:	06/	9/201	4
Applicant/Owner:	Liberty U	tilities (CalPeco Electri	<u>c)</u>						State: <u>CA</u>	Sampling F	oint:	160	1 upla	ind
Investigator(s):	S. Inneck	en, N.	Fisher					S	ection,	Township, Ran	ge: <u>21,17N</u>	l, 17E			
Landform (hillslope, ter	race, etc.): _				Local rel	ief (concave	e, conve	ex, nor	ne):		Slop	e (%):		
Subregion (LRR):	MLRA 2	22A		Lat	<u>39.281034</u>			Long:	<u>-120.</u>	103602		Datum:	WGS8	4	
Soil Map Unit Name:	Jorge-T	ahoma	complex, 2 to 3	30 perc	ent slopes					NWI clas	sification:	N/A			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	or this ti	me of year?	Yes		No	\boxtimes	(If no, explain i	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly di	isturbed?	Are "No	ormal Ci	rcums	tances" present?)	Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally probl	lematic?	(If need	led, exp	lain ar	ny answers in Re	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No									
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes			
Wetland Hydrology Present?			No	\boxtimes								
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72												

Emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013..

1. <u>Populus tremuloides</u>	•							
2	2	yes	FACU	Number of Dominar That Are OBL, FAC		<u>2</u>		(A)
3 4.				Total Number of Do Species Across All		<u>4</u>		(B)
50% =, 20% = Sapling/Shrub Stratum (Plot size: 1 sq. m)	2	= Total Cove	er	Percent of Dominan That Are OBL, FAC		<u>50</u>		(A/B)
1. Purshia tridentata		<u>yes</u>	NL (UPL)	Prevalence Index	worksheet:			
2. <u>Pinus jeffreyi</u>	3	<i></i>	NL (UPL)		6 Cover of:	Multipl	y by:	
3	_			OBL species	30	x1 =	30	
4				FACW species	<u>6</u>	x2 =	12	
5				FAC species	<u>10</u>	x3 =	<u>30</u>	
50% =, 20% =	<u>3</u>	= Total Cove	er	FACU species	2	x4 =	<u>8</u>	
Herb Stratum (Plot size: <u>1 sq. m.)</u>				UPL species	3	x5 =	<u>15</u>	
1. <u>Carex nebrascensis</u>	<u>30</u>	yes	OBL	Column Totals:	<u>51</u> (A)		<u>95</u> (B)	
2. Equisetum arvense	10	yes	FAC		Prevalence Index =	B/A = 1.86		
3. Artemisia douglasiana	5	no	FACW	Hydrophytic Veget	ation Indicators:			
4. Hordeum brachyantherum	1	no	FACW	□ 1 – Rapid Tes	t for Hydrophytic Ve	getation		
5				2 - Dominance	e Test is >50%	-		
6				3 - Prevalence	e Index is <u><</u> 3.0 ¹			
7				4 Marsahalaa	ical Adaptations ¹ (Pi	rovide suppor	tina	
8					narks or on a separa		ung	
9				5 - Wetland N	on-Vascular Plants ¹			
10				Problematic H	lydrophytic Vegetatio	on ¹ (Explain)		
11					, , , , , ,			
50% = <u>23</u> , 20% = <u>9.2</u>	<u>46</u>	= Total Cove	er	¹ Indicators of hydric be present, unless of				
Woody Vine Stratum (Plot size:)				be present, unless t	istubed of problem	auc.		
1								
2				Hydrophytic	X	N		_
50% =, 20% =		= Total Cove	er	Vegetation Present?	Yes	\boxtimes	No	
% Bare Ground in Herb Stratum 54								

SOIL Sampling Point: 1601 upland															
Profile	Descri	ption: (Describe t	o the depth	needed to d	locument	the indica	ator or conf	irm the absen	nce o	findicato	rs.)				
Dep	oth	Matrix				Redox Fe	eatures								
(inches	5)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²		Texture			Remarks	6	
<u>1-2</u>	2										orga	anic			
2-7	7	<u>10 YR 2/2</u>	100								san	dy loam			
												_			
												_			
												_			
¹ Type: 0	ype: C= Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix														
Hydric	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :														
🗆 н	listosol	(A1)			Sandy F	Redox (S5))				2 cm Mu	uck (A10)			
🗆 н	listic Ep	vipedon (A2)			Stripped	d Matrix (S	6)				Red Par	ent Material (TF2)		
🗆 в	Black His	stic (A3)			Loamy	Mucky Min	eral (F1) (e >	(cept MLRA 1))		Very Sh	allow Dark Su	rface (TI	-12)	
🗆 н	lydroge	n Sulfide (A4)			Loamy	Gleyed Ma	trix (F2)				Other (E	xplain in Rem	arks)		
	Pepleted	l Below Dark Surfa	ce (A11)		Deplete	d Matrix (F	3)								
ПΤ	hick Da	ark Surface (A12)			Redox [Dark Surfa	ce (F6)								
🗆 s	Sandy N	lucky Mineral (S1)			Deplete	d Dark Su	rface (F7)					ydrophytic veg	·		
🗆 s	Sandy G	leyed Matrix (S4)			Redox	Depressior	ns (F8)					rology must be rbed or proble		ι,	
Restric	tive La	yer (if present):													
Type:															
Depth ((inches)	:						Hydric Soils	s Pre	sent?		Yes		No	\boxtimes
Remark	ks:														

Wetla	etland Hydrology Indicators:													
Prima	ary Indicators (minimum	of one re	equired	; check	all that	t apply)	S	econdary Indicators (2 or	more requir	ed)				
	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves	s (B9)					
	High Water Table (A2))				(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and	4B)					
	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B	10)					
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Ta	able (C2)					
	Sediment Deposits (B	2)				Hydrogen Sulfide Odor (C1)		Saturation Visible on	Aerial Imag	ery (C9)				
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3	3) 🗆	Geomorphic Position	(D2)					
	Algal Mat or Crust (B4)					Shallow Aquitard (D3))						
	Iron Deposits (B5)					FAC-Neutral Test (D5	5)							
	Surface Soil Cracks (E	36)					Raised Ant Mounds (I	D6) (LRR A)					
	Inundation Visible on	Aerial Ima	agery (E	37)		Other (Explain in Remarks)		Frost-Heave Hummoo	cks (D7)					
	Sparsely Vegetated C	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):								
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):								
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches): We	etland F	lydrology Present?	Yes	🗆 No				
Desc	ribe Recorded Data (str	eam gau	ge, moi	nitoring	well, a	erial photos, previous inspections), if available:								
Rem	arks:													

Project Site:	650 L	ine Rebui	ild Project (Phase	e 1A)		C	ity/County:	: <u>Unir</u>	ncorpo	rated/Place	er Sampling D	Date:	06/1	9/201	14
Applicant/Owner:	Libert	Utilities	(CalPeco Electri	ic)						State: C	A Sampling F	oint:	160	1 wetl	land
Investigator(s):	<u>S. Inn</u>	ecken, N	. Fisher					S	ection	, Township,	Range: <u>21, 17N</u>	l, 17E			
Landform (hillslope, te	rrace, e	etc.):				Local reli	ief (concave	e, conve	ex, noi	ne):		Slo	oe (%):		
Subregion (LRR):	MLR	<u>A 22A</u>		Lat	: <u>39.281053</u>			Long:	<u>-120</u>	.103624		Datum:	WGS8	4	
Soil Map Unit Name:	Jorg	e-Tahom	a complex, 2 to 3	30 perc	ent slopes					NW	I classification:	N/A			
Are climatic / hydrolog	ic cond	itions on	the site typical fo	or this ti	me of year?	Yes		No	\boxtimes	(If no, exp	olain in Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly di	isturbed?	Are "No	ormal Ci	ircums	tances" pre	esent?	Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally probl	lematic?	(If need	led, exp	lain ai	ny answers	in Remarks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No										
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No					
Wetland Hydrology Present?	Yes	\boxtimes	No										
Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72													

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013..

Tree Stratum (Plot size: _)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1. <u>Alnus incana</u>	5	yes	FACW	Number of Dominant Species		(4)
2. <u>Salix lemmonii</u>	<u>5</u>	<u>yes</u>	FACW	That Are OBL, FACW, or FAC:	<u>4</u>	(A)
3				Total Number of Dominant	F	(D)
4				Species Across All Strata:	<u>5</u>	(B)
50% = <u>5</u> , 20% = <u>2</u>	<u>10</u>	= Total Cover	r	Percent of Dominant Species	80	(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	<u>80</u>	(A/B)
1. <u>Populus tremuloides</u>	<u>2</u>	yes	FACU	Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species	x1 =	
4				FACW species	x2 =	
5				FAC species	x3 =	_
50% = <u>1</u> , 20% = <u>.4</u>	<u>2</u>	= Total Cover	r	FACU species	x4 =	
Herb Stratum (Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	
1. <u>Equisetum arvense</u>	<u>45</u>	yes	FAC	Column Totals: (A)		(B)
2. <u>Carex nebrascensis</u>	<u>45</u>	<u>yes</u>	<u>OBL</u>	Prevalence Index = B/A =		
3. <u>Artemisia douglasiana</u>	<u>5</u>	<u>no</u>	FACW	Hydrophytic Vegetation Indicators:		
4. Hordeum brachyantherum	<u>5</u>	<u>no</u>	FACW	1 – Rapid Test for Hydrophytic Vegetati	on	
5				2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^{1}$		
7				4 - Morphological Adaptations ¹ (Provide	supporting	
8				data in Remarks or on a separate sh		
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (E	xplain)	
11						
50% = <u>50</u> , 20% = <u>20</u>	<u>100</u>	= Total Cover	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	jy must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic		_
50% =, 20% =		= Total Cover	r	Vegetation Yes ⊠ Present?	No	
% Bare Ground in Herb Stratum						
Remarks:				1		

SOIL									Sa	mpling Po	int: <u>1601</u>	wetland		
Profile	e Description: (Describe	the dept	n needed to c	locument the	e indicator o	or confirm	n the absence	e of indicat	ors.)					
De	epth Matrix			R	edox Feature	es								
(inche	es) Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Texture			I	Remarks		
1	-2								_	organic				
2	-4								_	sand				
4-	12 <u>10 YR 2/2</u>	<u>80</u>	<u>10 YR 6</u>	/8	20			sandy o	lay					
_								100m	_					
_									_					
_									_					
									_					
				. <u> </u>					_					
¹ Type:	: C= Concentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=Cove	red or Coate	ed Sand G	rains. ² Lo	ocation: PL	=Pore	Lining, M=	=Matrix			
Hydrie	c Soil Indicators: (Application of the second se	able to all L	.RRs, unless	otherwise n	oted.)			Indi	cators	for Prob	lematic H	lydric S	oils ³ :	
	Histosol (A1)		\boxtimes	Sandy Red	dox (S5)				2 c	m Muck (A	A10)			
	Histic Epipedon (A2)			Stripped N	latrix (S6)				Re	d Parent N	/aterial (1	F2)		
	Black Histic (A3)			Loamy Mu	cky Mineral	(F1) (exce	pt MLRA 1)		Ve	ry Shallow	Dark Su	rface (TF	12)	
	Hydrogen Sulfide (A4)			Loamy Gle	yed Matrix (F2)			Oth	ner (Explai	n in Rem	arks)		
	Depleted Below Dark Surfa	ace (A11)		Depleted N	/atrix (F3)									
	Thick Dark Surface (A12)			Redox Dar	k Surface (F	6)								
	Sandy Mucky Mineral (S1)			Depleted [Dark Surface	(F7)				of hydrop				
	Sandy Gleyed Matrix (S4)			Redox Dep	pressions (Fa	3)				l hydrolog disturbed			t,	
Restri	ictive Layer (if present):													
Type:														
Depth	(inches):					1	lydric Soils P	Present?			Yes	\boxtimes	No	
Rema	ırks:													

Wetl	and Hydrology Indicate	ors:												
Prim	ary Indicators (minimum	of one r	equired	; check	all tha	t apply)			Sec	ondary Indicators (2 or m	ore requi	red)		
	Surface Water (A1)					Water-Stained Leaves (B9)				Water-Stained Leaves	(B9)			
	High Water Table (A2)					(except MLRA 1, 2, 4A, and	14B)			(MLRA 1, 2, 4A, and 4	В)			
\boxtimes	Saturation (A3)					Salt Crust (B11)			\boxtimes	Drainage Patterns (B10))			
	Water Marks (B1)					Aquatic Invertebrates (B13)				Dry-Season Water Tab	le (C2)			
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)				Saturation Visible on A	erial Imag	gery (C	9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along	g Living Roots (C3)	\boxtimes	Geomorphic Position (02)			
	Algal Mat or Crust (B4)			\boxtimes	Presence of Reduced Iron (C	C4)			Shallow Aquitard (D3)				
	Iron Deposits (B5)					Recent Iron Reduction in Till	ed Soils (C6)			FAC-Neutral Test (D5)				
	Surface Soil Cracks (E	36)				Stunted or Stresses Plants (I	D1) (LRR A)			Raised Ant Mounds (De	6) (LRR A	A)		
	Inundation Visible on A	Aerial Im	agery (I	37)		Other (Explain in Remarks)				Frost-Heave Hummock	is (D7)			
	Sparsely Vegetated Co	oncave S	Surface	(B8)										
Field	Observations:													
Surfa	ce Water Present?	Yes		No	\boxtimes	Depth (inches):	_							
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):	_							
	ation Present? des capillary fringe)	Yes		No		Depth (inches): <u>1-12</u>	١	Netland	Hyo	Irology Present?	Yes		No	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:														
Rem	arks: Sloping groun	d to Mido	lle Mart	is Cree	k.									

Project Site:	650 Line	Rebuil	d Project (Phase	e 1A)		С	ity/County:	Unir	ncorpo	rated/Placer	Sampling D	ate:	06/1	9/201	4
Applicant/Owner:	Liberty Ut	tilities (CalPeco Electric	<u>c)</u>						State: <u>CA</u>	Sampling F	oint:	160	2 upla	ind
Investigator(s):	S. Inneck	en, N.	Fisher					S	ection,	Township, Rang	ge: <u>21,17N</u>	<u>l, 17E</u>			
Landform (hillslope, ter	race, etc.)	: <u>te</u>	errace			Local reli	ef (concave	e, conve	ex, nor	ne): <u>convex</u>		Slop	oe (%):		
Subregion (LRR):	MLRA 2	2A		Lat	: <u>39.281373</u>			Long:	<u>-120</u>	103761		Datum:	WGS8	4	
Soil Map Unit Name:	Jorge-T	ahoma	a complex, 2 to 3	0 perc	ent slopes					NWI class	sification:	<u>N/A</u>			
Are climatic / hydrologi	c conditio	ns on t	he site typical fo	r this ti	me of year?	Yes		No	\boxtimes	(If no, explain in	n Remarks.)				
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	significantly dis	sturbed?	Are "No	rmal Ci	rcums	tances" present?		Yes		No	\boxtimes
Are Vegetation \Box ,	Soil	□,	or Hydrology	□,	naturally proble	ematic?	(If need	ed, exp	lain ar	ny answers in Re	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes		No	\boxtimes	Is the Sampled Area within a Wetland?	Yes		No	\boxtimes
Wetland Hydrology Present?	Yes		No	\boxtimes					
Remarks: According to the Natural Resources Cons	ervatio	n Ser	vices	WETS	Stable for Truckee, the ave annual rainfall for May 2014 is	0 67 iu	hchos	1 72	

emarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Tree Stratum (Plot size: <u>1 sq. m.</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
 <u>Alnus incana</u> 	<u>95</u>	yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>3</u>	(A)
3 4				Total Number of Dominant Species Across All Strata:	<u>3</u>	(B)
50% =, 20% =	<u>95</u>	= Total Cove	r	Percent of Dominant Species	100	(A/B)
Sapling/Shrub Stratum (Plot size: 1 sq. m)				That Are OBL, FACW, or FAC:	100	(A/B)
1				Prevalence Index worksheet:		
2				Total % Cover of:	Multiply by:	
3				OBL species	x1 =	
4				FACW species	x2 =	
5				FAC species	x3 =	
50% =, 20% =		= Total Cove	r	FACU species	x4 =	
Herb Stratum (Plot size: 1 sq. m.)				UPL species	x5 =	
1. <u>Equisetum arvense</u>	<u>30</u>	<u>yes</u>	FAC	Column Totals: (A)		(B)
2. <u>Hordeum brachyantherum</u>	<u>25</u>	<u>yes</u>	FACW	Prevalence Index = B/A =		
3. <u>Carex sp.</u>	<u>15</u>	no	FACW	Hydrophytic Vegetation Indicators:		
4. <u>Galium aparine</u>	<u>15</u>	<u>no</u>	FACU	1 – Rapid Test for Hydrophytic Vegetation	on	
5				2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^1$		
7				4 - Morphological Adaptations ¹ (Provide		
8				data in Remarks or on a separate sh	eet)	
9				5 - Wetland Non-Vascular Plants ¹		
10				Problematic Hydrophytic Vegetation ¹ (E:	xplain)	
11						
50% = <u>42.5</u> , 20% = <u>17</u>	<u>85</u>	= Total Cove	r	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	jy must	
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic	Na	_
50% =, 20% =		= Total Cove	r	Vegetation Yes Present?	No	
% Bare Ground in Herb Stratum 15						
Remarks:						

SOIL											Sampling Point: 1602 upland
Profi	ile Descr	iption: (Describe t	o the dept	h needed to d	locumer	nt the indicat	or or cont	firm the absen	ce of ind	dicato	ors.)
D	epth	Matrix				Redox Fea	itures				
(inch	nes)	Color (moist)	%	Color (mo	oist)	%	Type ¹	Loc ²	Te	xture	Remarks
	1-2										detritus/organic
2	2-12	<u>10 YR 2/2</u>	<u>91</u>	<u>10 YR 6</u>	/8	<u>7</u>			-		sand (coarse)
_				<u>2 YR 5/</u>	6	<u>2</u>			-		
_									-		
									-		
_									-		
_									-		
_									-		
¹Туре	e: C= Co	ncentration, D=Dep	letion, RM=	Reduced Mat	rix, CS=0	Covered or Co	bated Sand	d Grains. ²	Locatior	n: PL=	Pore Lining, M=Matrix
Hydr	ic Soil Ir	dicators: (Applica	ble to all L	.RRs, unless	otherwis	se noted.)				Indic	ators for Problematic Hydric Soils ³ :
	Histoso	(A1)			Sandy	Redox (S5)					2 cm Muck (A10)
	Histic E	pipedon (A2)			Strippe	ed Matrix (S6)				Red Parent Material (TF2)
	Black H	istic (A3)			Loamy	/ Mucky Mine	ral (F1) (e :	xcept MLRA 1))		Very Shallow Dark Surface (TF12)
	Hydroge	en Sulfide (A4)			Loamy	/ Gleyed Mati	ix (F2)				Other (Explain in Remarks)
	Deplete	d Below Dark Surfa	ce (A11)		Deplet	ted Matrix (F3	6)				
	Thick D	ark Surface (A12)			Redox	Dark Surface	ə (F6)				
	Sandy I	Mucky Mineral (S1)			Deplet	ted Dark Surf	ace (F7)				cators of hydrophytic vegetation and
	Sandy (Gleyed Matrix (S4)			Redox	Depressions	(F8)				etland hydrology must be present, nless disturbed or problematic.
Rest	rictive L	ayer (if present):									
Туре	:										
Dept	h (inches):						Hydric Soils	Presen	it?	Yes 🗌 No 🖾
Rem	arks:										

Wetl	and Hydrology Indicate	ors:								
Prim	ary Indicators (minimum	of one re	equired	; check	all that	apply)	5	Seco	ondary Indicators (2 or more required)	
	Surface Water (A1)					Water-Stained Leaves (B9)			Water-Stained Leaves (B9)	
	High Water Table (A2)	1				(except MLRA 1, 2, 4A, and 4B)			(MLRA 1, 2, 4A, and 4B)	
	Saturation (A3)					Salt Crust (B11)	[Drainage Patterns (B10)	
	Water Marks (B1)					Aquatic Invertebrates (B13)	0		Dry-Season Water Table (C2)	
	Sediment Deposits (B2	2)				Hydrogen Sulfide Odor (C1)	[Saturation Visible on Aerial Imagery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C	C3) [Geomorphic Position (D2)	
	Algal Mat or Crust (B4)				Presence of Reduced Iron (C4)	0		Shallow Aquitard (D3)	
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)	[FAC-Neutral Test (D5)	
	Surface Soil Cracks (E	86)				Stunted or Stresses Plants (D1) (LRR A)	[Raised Ant Mounds (D6) (LRR A)	
	Inundation Visible on A	Aerial Ima	agery (E	37)		Other (Explain in Remarks)	0		Frost-Heave Hummocks (D7)	
	Sparsely Vegetated Co	oncave S	Surface	(B8)						
Field	Observations:									
Surfa	ace Water Present?	Yes		No	\boxtimes	Depth (inches):				
Wate	r Table Present?	Yes		No	\boxtimes	Depth (inches):				
	ration Present? Ides capillary fringe)	Yes		No		Depth (inches):	Wetland	Hyc	drology Present? Yes 🗌 No	
Desc	ribe Recorded Data (stre	eam gau	ge, mor	nitoring	well, a	erial photos, previous inspections), if available):			
Rem	arks:									

Project Site:	<u>6</u>	50 Line	Rebui	ld Project (Phas	e 1A)			City/County: <u>Unincorporated/Placer</u> Sampling						Sampling [Date:	06/	18/201	14
Applicant/Owner:	L	iberty U	Itilities	(CalPeco Electri	<u>c)</u>							State:	CA	Sampling F	Point:	<u>140</u>)2 w	
Investigator(s):	<u>s</u>	S. Innecl	ken, N.	Fisher						5	Sectior	n, Townsh	nip, Rang	e: <u>21, 171</u>	N, 17E			
Landform (hillslope,	terra	ace, etc.	.):					Local reli	ef (conca	ve, conv	vex, no	one):			Slop	e (%):		_
Subregion (LRR):		MLRA	22A		La	t: <u>39.268</u>	3835			Long:	<u>-120</u>	0.079107			Datum:	WGS	34	
Soil Map Unit Name	:	Jorge-1	Tahoma	a complex, 2 to 3	30 perc	ent slope	<u>es</u>					Ν	WI class	ification:	Freshw Foreste		ub We	tland
Are climatic / hydrole	ogic	conditio	ons on t	the site typical fo	or this t	ime of ye	ar?	Yes		No	\boxtimes	(If no, e	explain ir	Remarks.))			
Are Vegetation [],	Soil	□,	or Hydrology	□,	significar	ntly distu	urbed?	Are "N	lormal C	ircum	stances"	present?		Yes		No	\boxtimes
Are Vegetation [],	Soil	\Box ,	or Hydrology	□,	naturally	problen	natic?	(If nee	eded, ex	plain a	ny answe	ers in Re	marks.)				

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	\boxtimes	No						
Hydric Soil Present?	Yes	\boxtimes	No		Is the Sampled Area within a Wetland?	Yes	\boxtimes	No	
Wetland Hydrology Present?	Yes	\boxtimes	No						
			• • • •	WETO				4 70	

Remarks: According to the Natural Resources Conservation Services WETS table for Truckee, the ave annual rainfall for May 2014 is 0.67 inches, 1.72 inches for May 2013. In addition, the WETS table shows a May 2014 average daily temperature of 48.4 degrees F, and 47 degrees for May 2013. The NOAA Palmer Drought Index reported extreme drought conditions for May 2013.

Note: GPS location is a saturated point.

Tree Stratum (Plot size: _)	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test Worksheet:		
1 2				Number of Dominant Species That Are OBL, FACW, or FAC:	<u>2</u>	(A)
3 4				Total Number of Dominant Species Across All Strata:	<u>2</u>	(B)
50% =, 20% = <u>Sapling/Shrub Stratum</u> (Plot size: <u>1 sq. m</u>)		= Total Cov	er	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>100</u>	(A/B)
1. <u>Populus tremuloides</u>	<u>20</u>	<u>yes</u>	FACU	Prevalence Index worksheet:		
2. <u>Rosa woodsii</u>	<u>5</u>	no	FACU	Total % Cover of:	Multiply by:	
3. Alnus incana subsp. tenuifolia	<u>10</u>	no	FACW	OBL species	x1 =	
4. <u>Salix lemmonnii</u>	<u>20</u>	<u>yes</u>	FACW	FACW species	x2 =	
5. <u>Pinus jeffreyi</u>	<u>5</u>	no	<u>NL (UPL)</u>	FAC species	x3 =	_
50% = <u>30</u> , 20% = <u>12</u>	<u>60</u>	= Total Cov	er	FACU species	x4 =	
<u>Herb Stratum (</u> Plot size: <u>1 sq. m.</u>)				UPL species	x5 =	
1				Column Totals: (A)		(B)
2				Prevalence Index = B/	/A =	
3				Hydrophytic Vegetation Indicators:		
4				1 – Rapid Test for Hydrophytic Vege	etation	
5				☑ 2 - Dominance Test is >50%		
6				□ 3 - Prevalence Index is $\leq 3.0^1$		
7 8				4 - Morphological Adaptations ¹ (Prodata in Remarks or on a separat		
9				5 - Wetland Non-Vascular Plants ¹		
10		_		 Problematic Hydrophytic Vegetation 	1 ¹ (Explain)	
11						
50% =, 20% =		= Total Cove	er	¹ Indicators of hydric soil and wetland hydric be present, unless disturbed or problema		
Woody Vine Stratum (Plot size:)						
1						
2				Hydrophytic		_
50% =, 20% =		= Total Cove	er	Vegetation Yes Present?	No No	
% Bare Ground in Herb Stratum				Fresenti		
				1		

SOIL											Sampling P	oint: <u>1401</u>	wetland		
Prof	ile Description: (Describe to	the depth	h needed to c	locumen	nt the indicat	or or conf	irm the absenc	e of indic	ators	i.)				
0	Depth	Matrix				Redox Fea	atures								
(inc	hes) Color ((moist)	%	Color (me	oist)	%	Type ¹	Loc ²	Textu	ure		I	Remarks	;	
_															
_															
_															
_															
_															
_															
_															
_															
¹Тур	e: C= Concentratio	on, D=Deple	etion, RM=	Reduced Mat	rix, CS=0	Covered or C	oated Sand	d Grains. ² L	_ocation: F	PL=P	ore Lining, N	/I=Matrix			
Hyd	ric Soil Indicators	: (Applicat	ole to all L	.RRs, unless	otherwis	se noted.)			In	dicat	ors for Pro	blematic H	lydric S	oils³:	
	Histosol (A1)				Sandy	Redox (S5)]	2 cm Muck	(A10)			
	Histic Epipedon ((A2)			Strippe	ed Matrix (S6)]	Red Parent	Material (T	ΓF2)		
	Black Histic (A3)				Loamy	/ Mucky Mine	ral (F1) (e)	(cept MLRA 1)		כ	Very Shallo	w Dark Su	rface (TF	12)	
	Hydrogen Sulfide	e (A4)			Loamy	/ Gleyed Mati	rix (F2)		\boxtimes	3	Other (Expla	ain in Rem	arks)		
	Depleted Below I	Dark Surfac	e (A11)		Deplet	ted Matrix (F3	3)								
	Thick Dark Surfa	ce (A12)			Redox	Dark Surfac	e (F6)								
	Sandy Mucky Mi	neral (S1)			Deplet	ed Dark Surf	ace (F7)		³ lı		tors of hydro and hydrolo				
	Sandy Gleyed M	atrix (S4)			Redox	Depressions	s (F8)				ss disturbed			ι,	
Res	trictive Layer (if p	resent):													
Туре	e:														
Dep	th (inches):							Hydric Soils	Present?			Yes	\boxtimes	No	
Rem	arks: Soil is sa	turated.													

Wetland Hydrology Indicators:									
Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required)									
\boxtimes	Surface Water (A1)					Water-Stained Leaves (B9)		Water-Stained Leaves (B9)	
	High Water Table (A2)					(except MLRA 1, 2, 4A, and 4B)		(MLRA 1, 2, 4A, and 4B)	
\boxtimes	Saturation (A3)					Salt Crust (B11)		Drainage Patterns (B10)	
	Water Marks (B1)					Aquatic Invertebrates (B13)		Dry-Season Water Table (C2)	
	Sediment Deposits (B2)					Hydrogen Sulfide Odor (C1)		Saturation Visible on Aerial Imagery (C9)	
	Drift Deposits (B3)					Oxidized Rhizospheres along Living Roots (C3)		Geomorphic Position (D2)	
	Algal Mat or Crust (B4)					Presence of Reduced Iron (C4)		Shallow Aquitard (D3)	
	Iron Deposits (B5)					Recent Iron Reduction in Tilled Soils (C6)		FAC-Neutral Test (D5)	
	Surface Soil Cracks (B6)					Stunted or Stresses Plants (D1) (LRR A)		Raised Ant Mounds (D6) (LRR A)	
	Inundation Visible on Aerial Imagery (B7)			37)		Other (Explain in Remarks)		Frost-Heave Hummocks (D7)	
Sparsely Vegetated Concave Surface (B8)									
Field Observations:									
Surface Water Present? Yes 🛛 No			Depth (inches):						
Water Table Present?		Yes		No	\boxtimes	Depth (inches):			
Saturation Present? (includes capillary fringe)		Yes		No		Depth (inches): Wet	Wetland Hydrology Present? Yes 🛛 No 🗌		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Remarks:									

ATTACHMENT D: WETLAND AND DRAINAGE PHOTO LOG

ATTACHMENT D: WETLAND AND DRAINAGE PHOTO LOG



Photograph 1: Ephemeral drainage D-101, facing downstream/northeast.



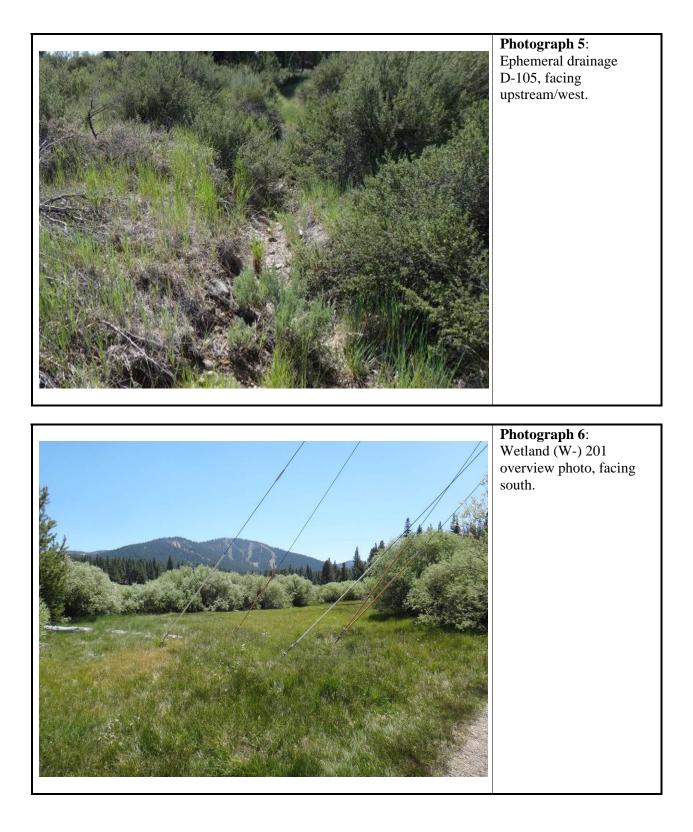
Photograph 2: Ephemeral drainage D-102, facing upstream/west.

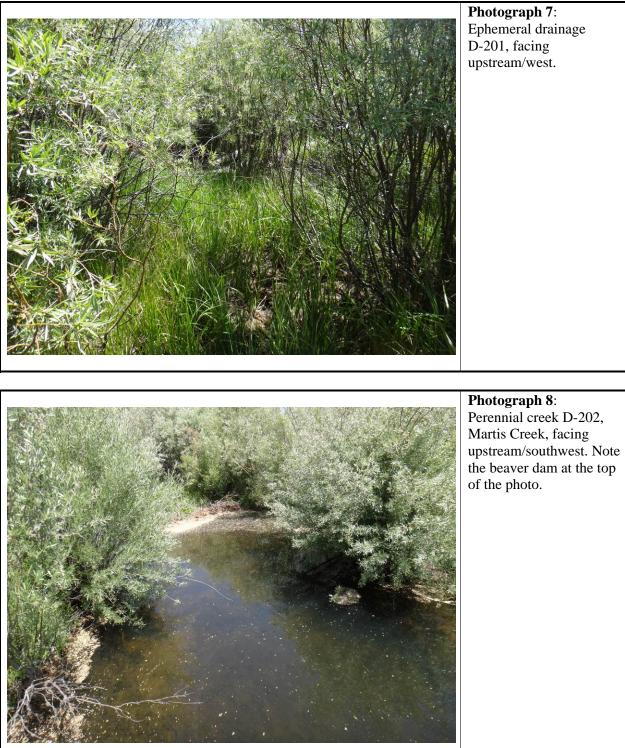


Photograph 3: Ephemeral drainage D-103, facing downstream/northeast.

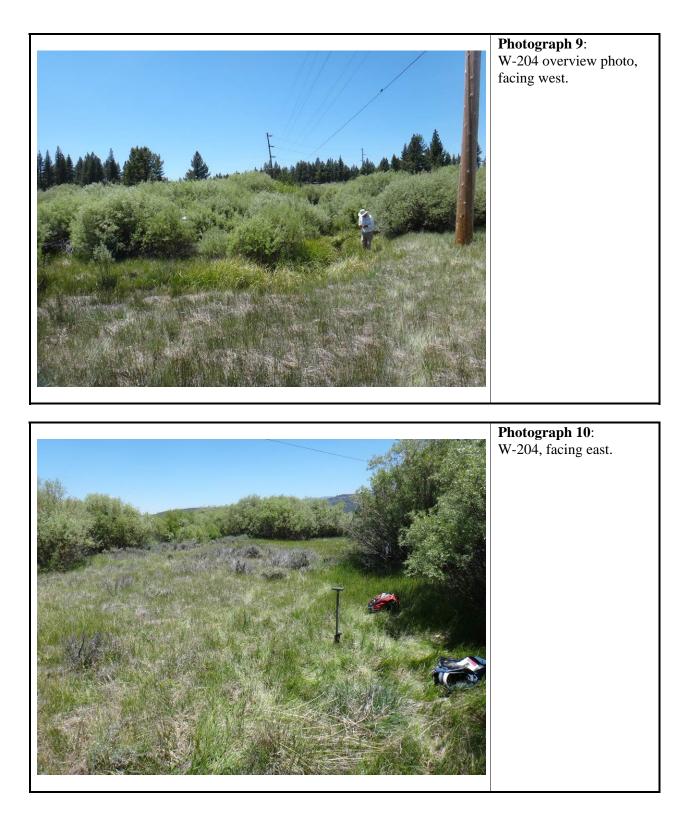


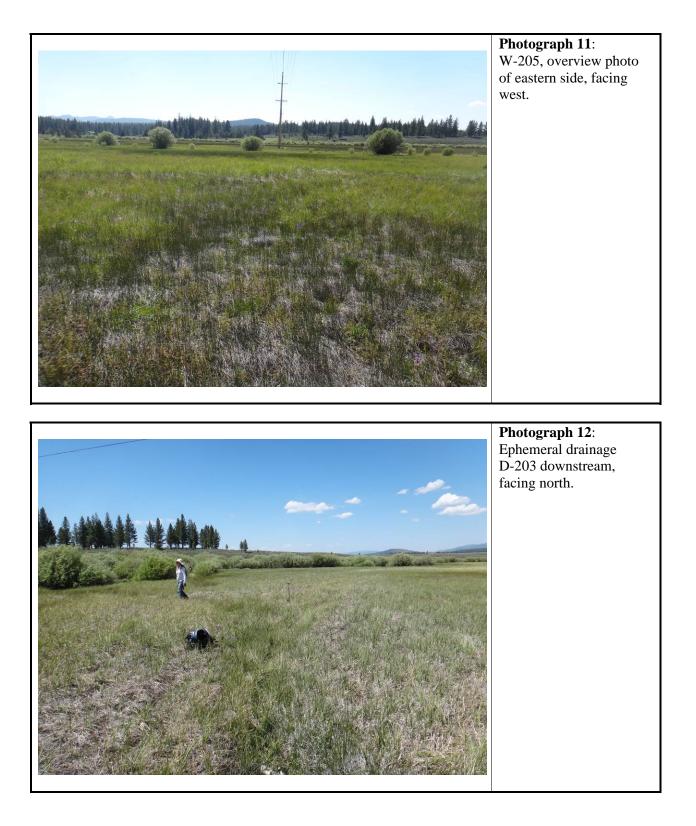
Photograph 4: Ephemeral drainage D-104, facing upstream/southwest.

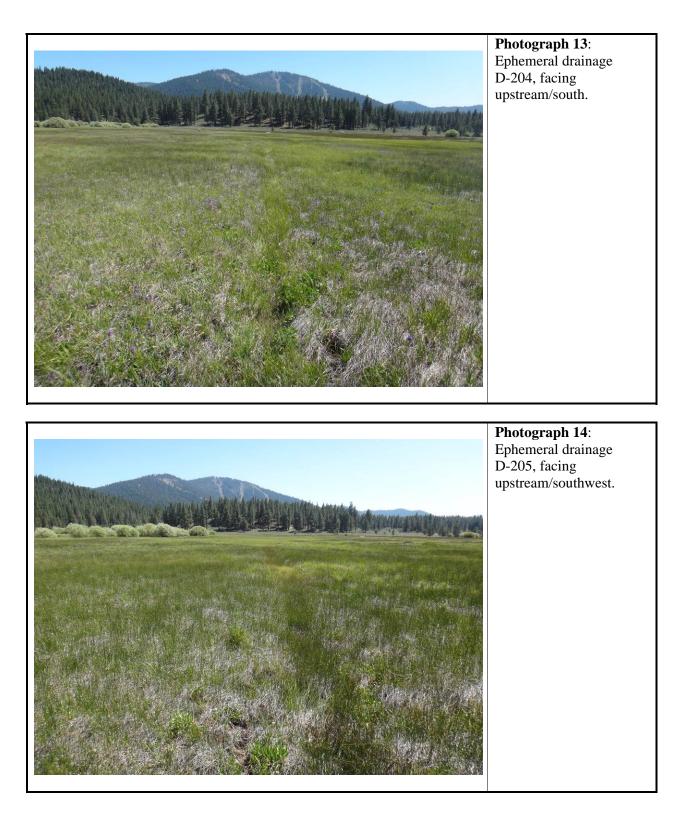




Photograph 7: Ephemeral drainage D-201, facing upstream/west.



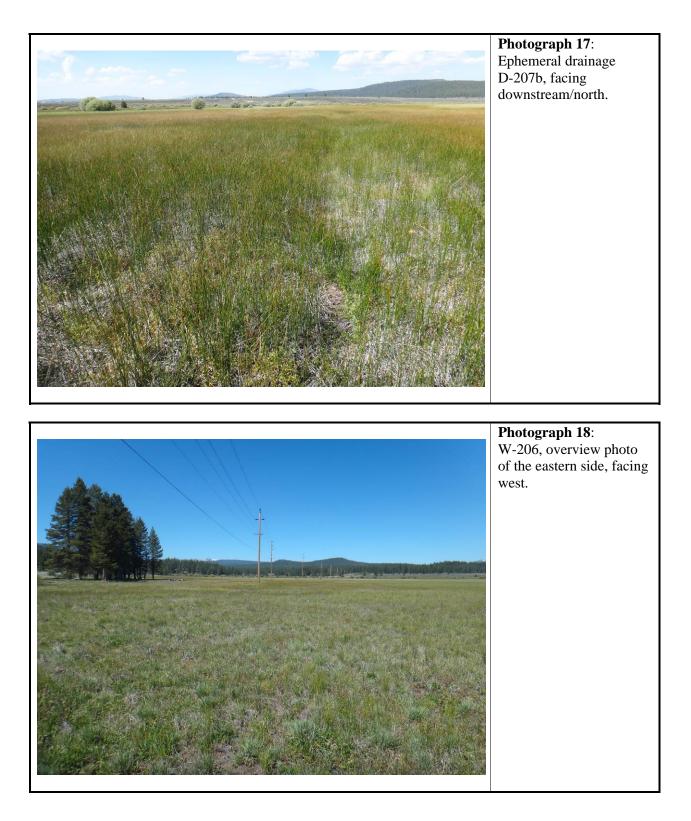


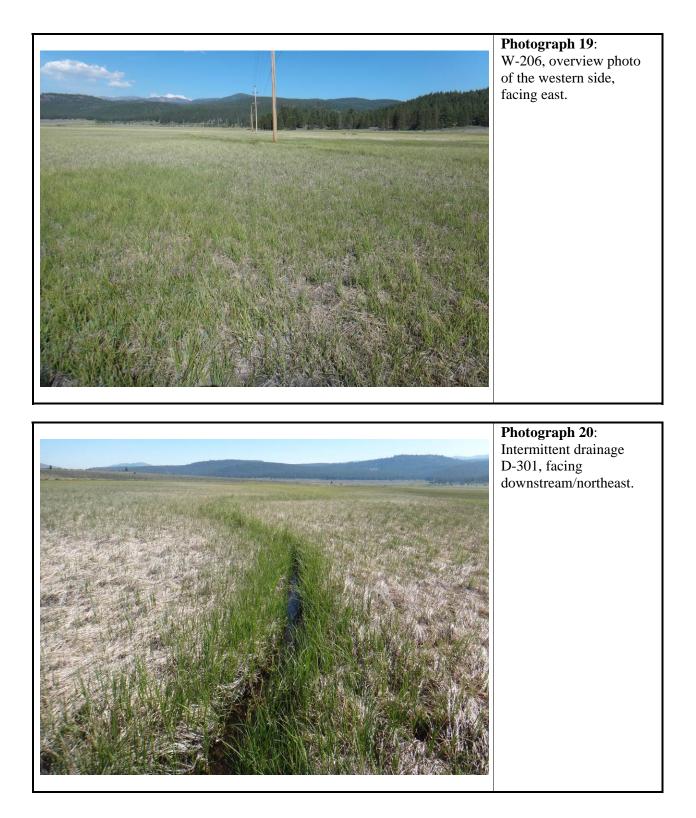


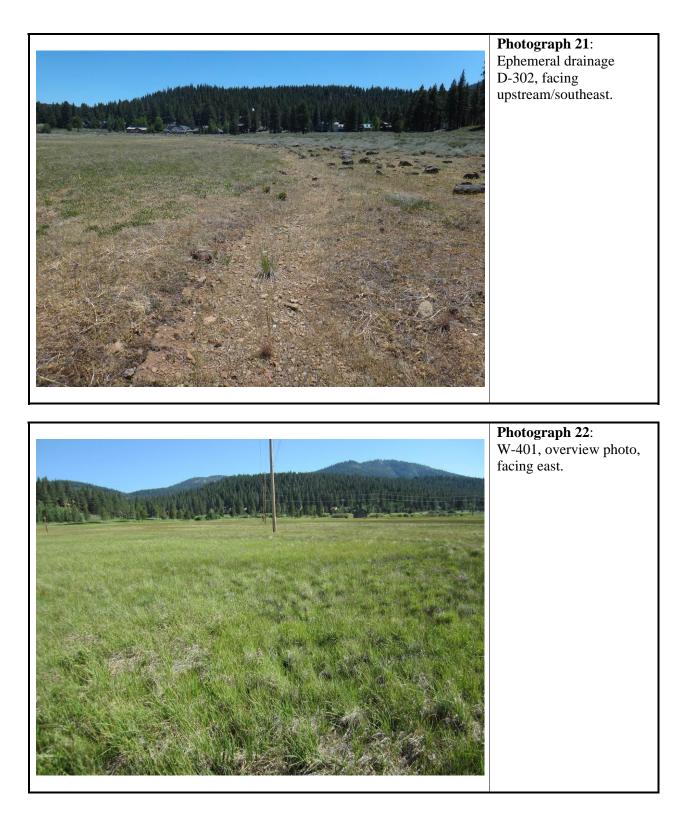


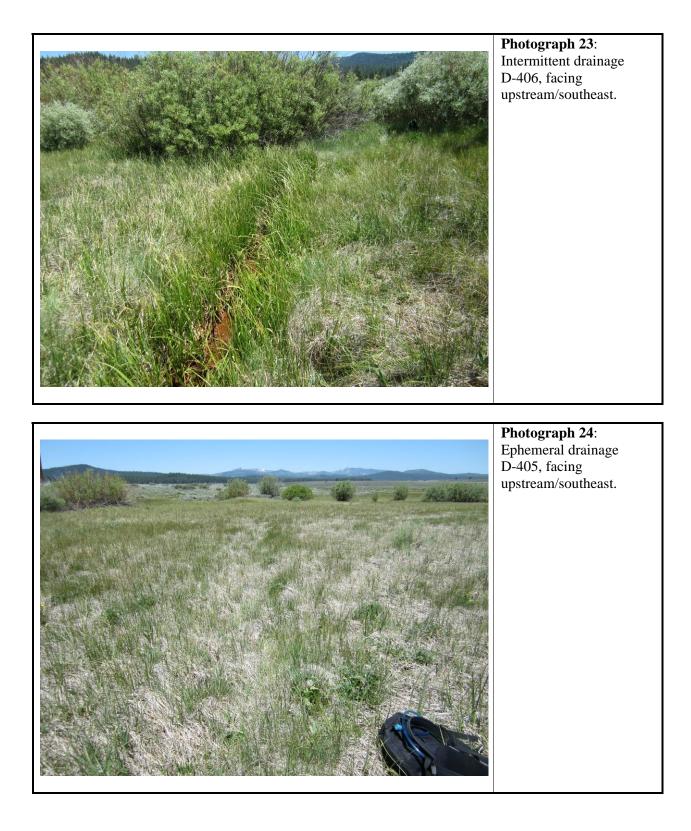
Photograph 15: Perennial drainage D-206, facing downstream/north.

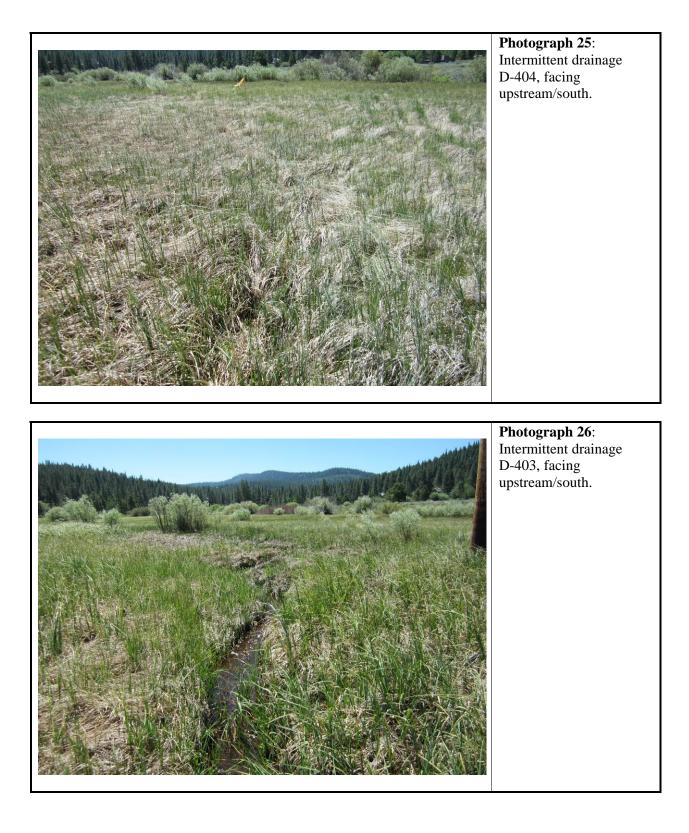








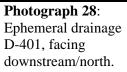


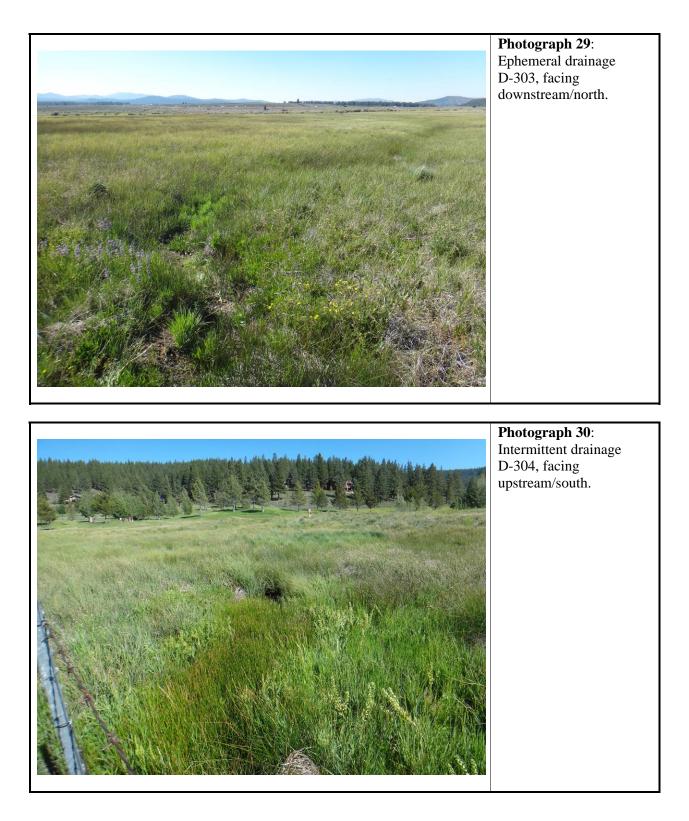


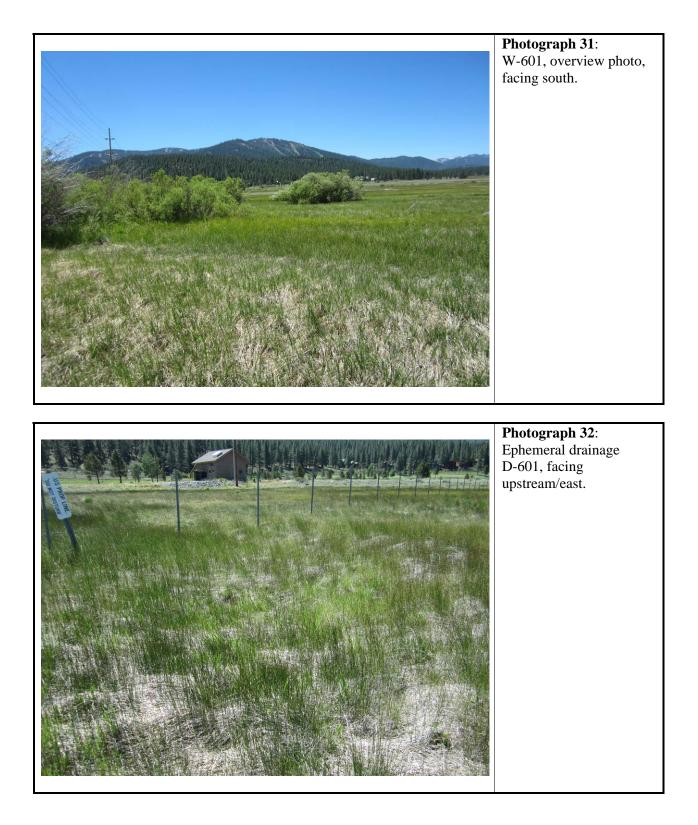


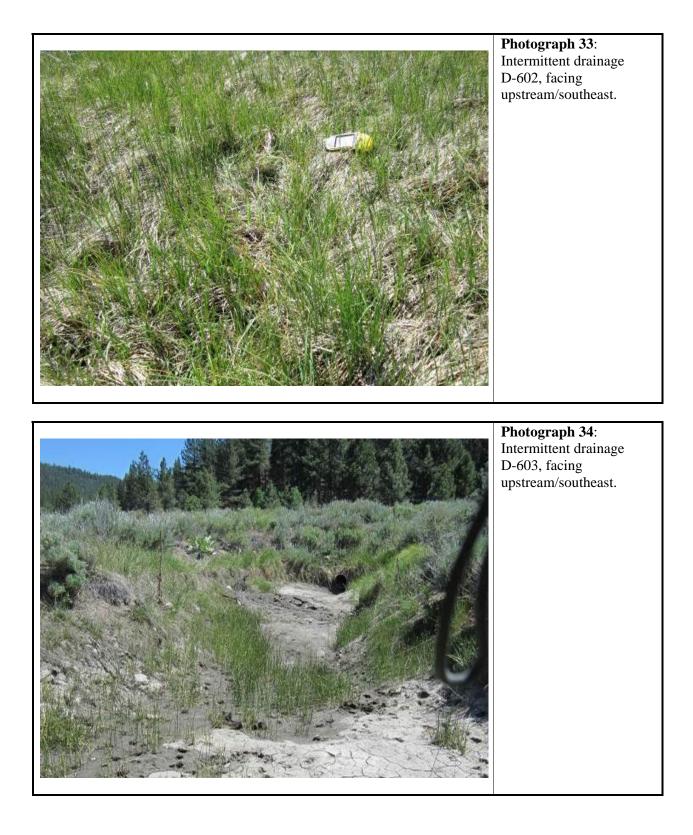
Photograph 27: Intermittent drainage D-402, facing upstream/south.





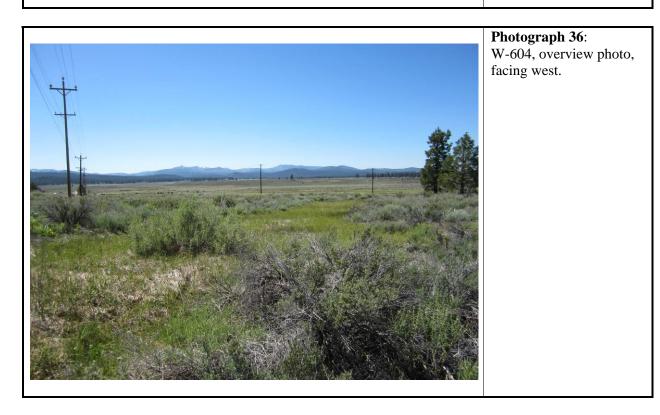


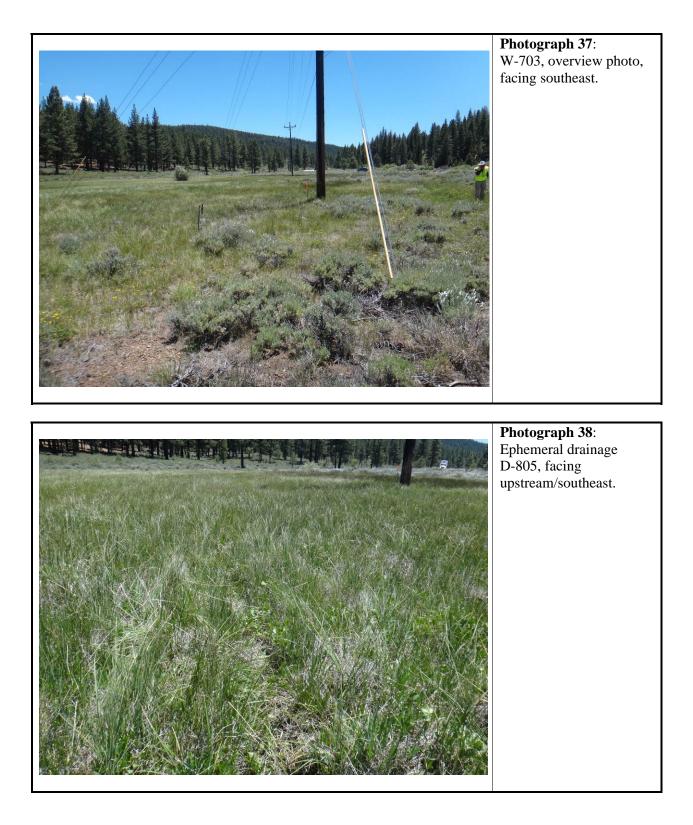






Photograph 35: Ephemeral drainage D-604, facing upstream/southeast.

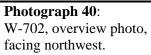


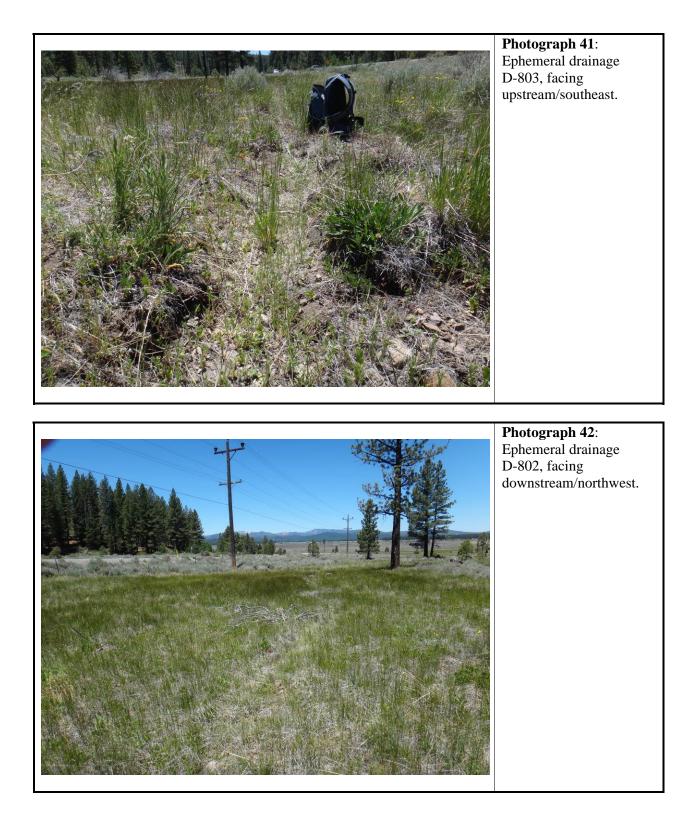




Photograph 39: Ephemeral drainage D-804, facing upstream/south.

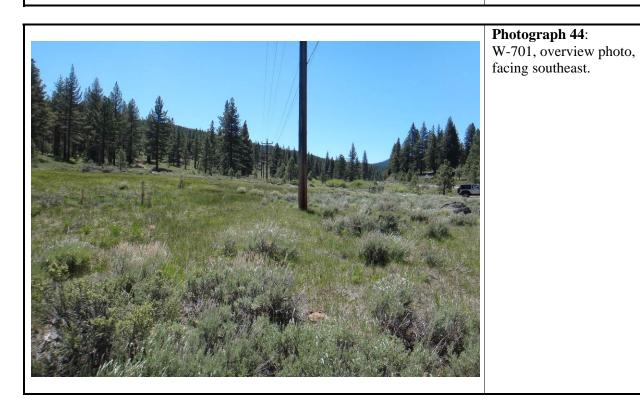


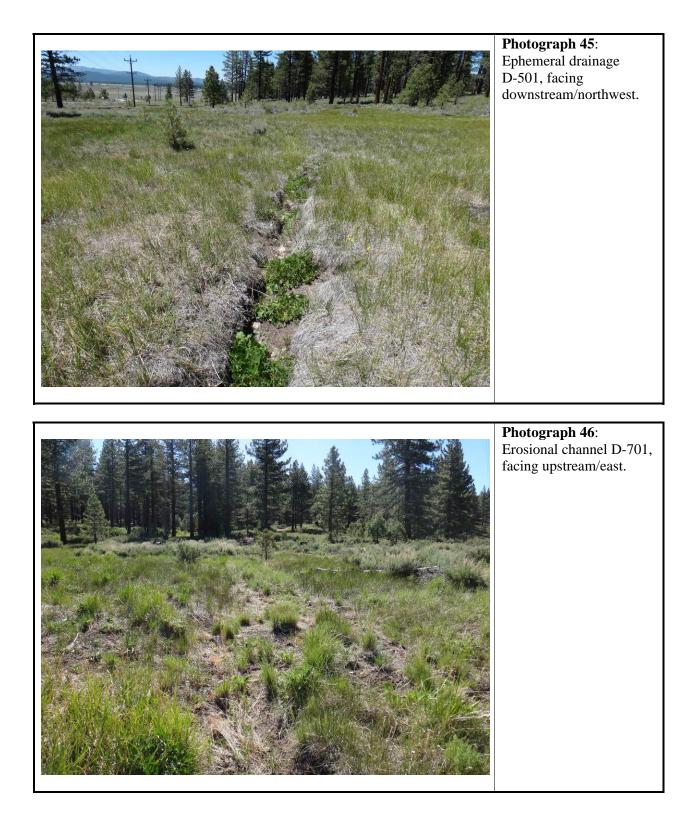


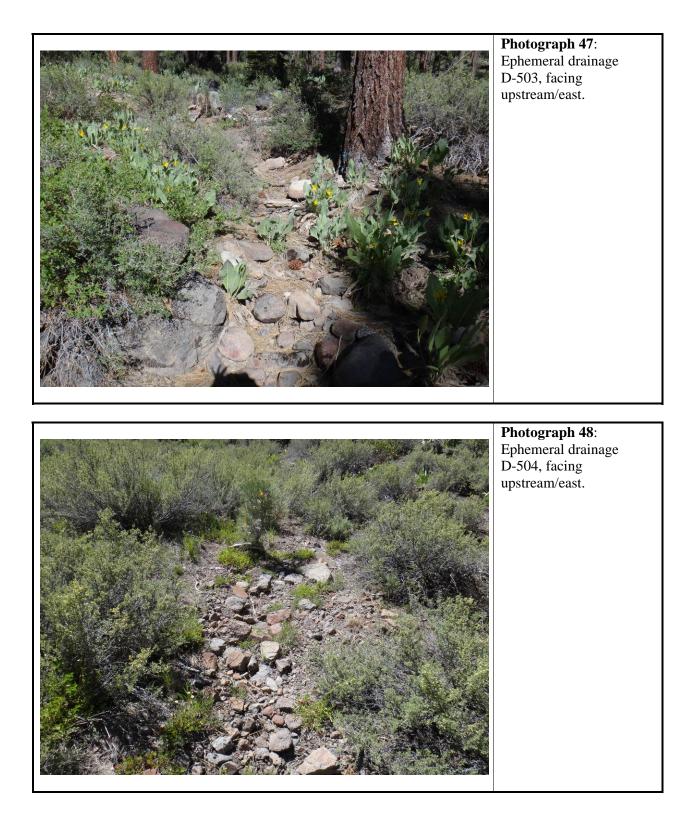


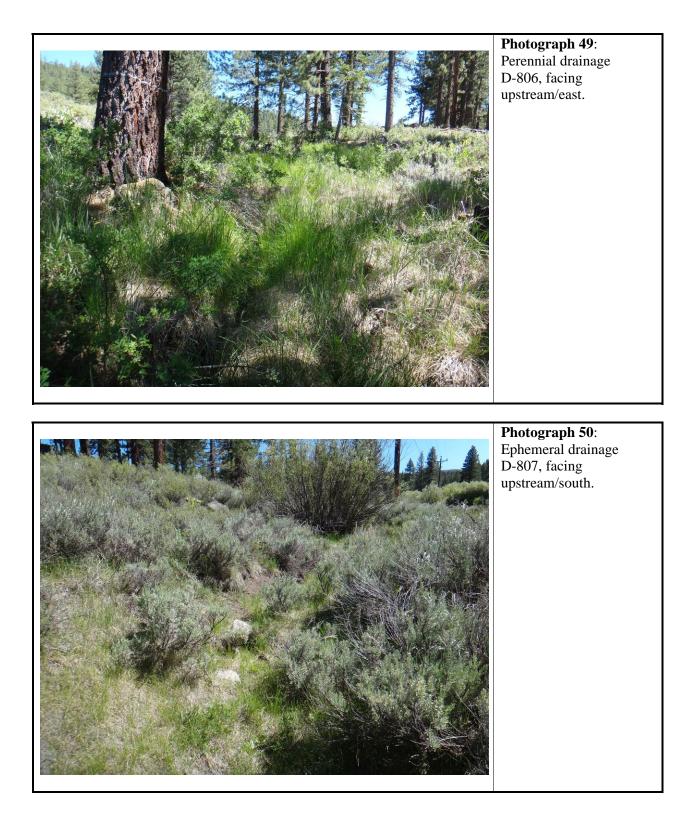


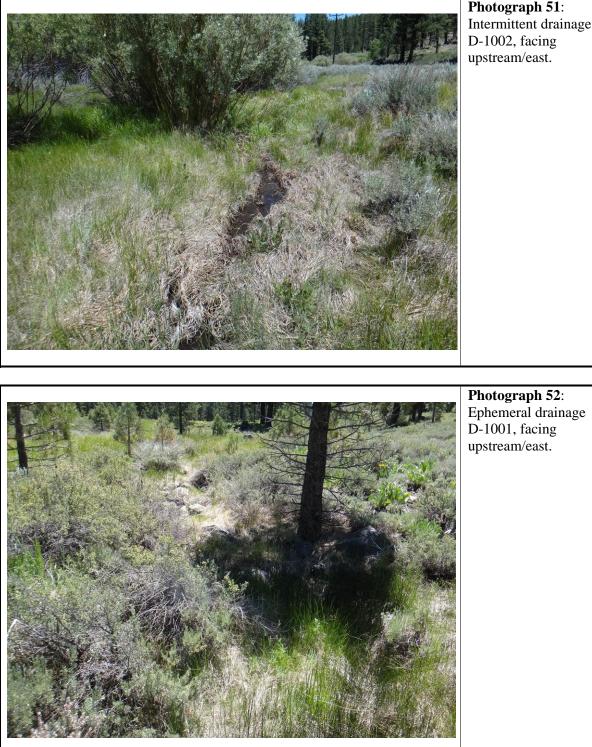
Photograph 43: Ephemeral drainage D-801 facing downstream/north.



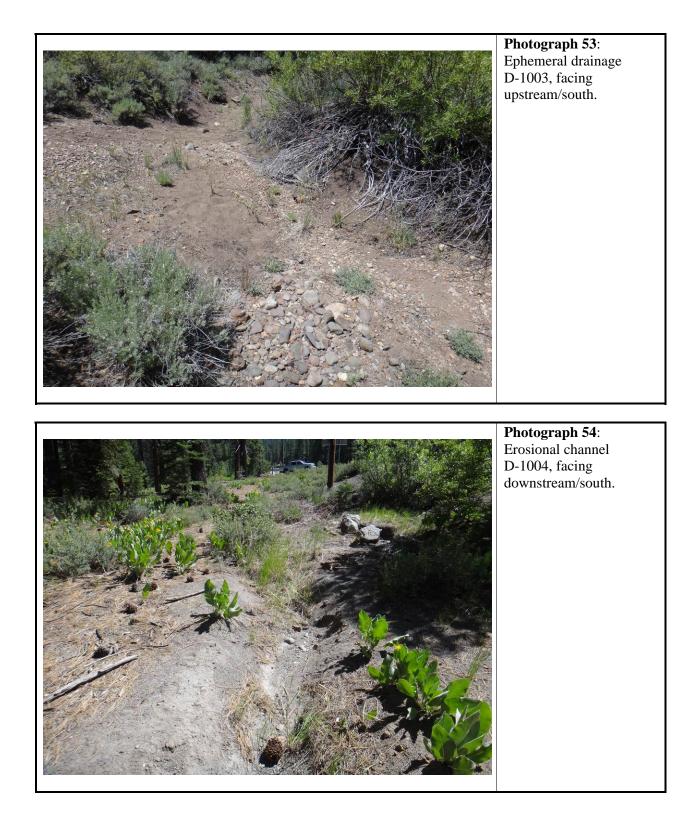


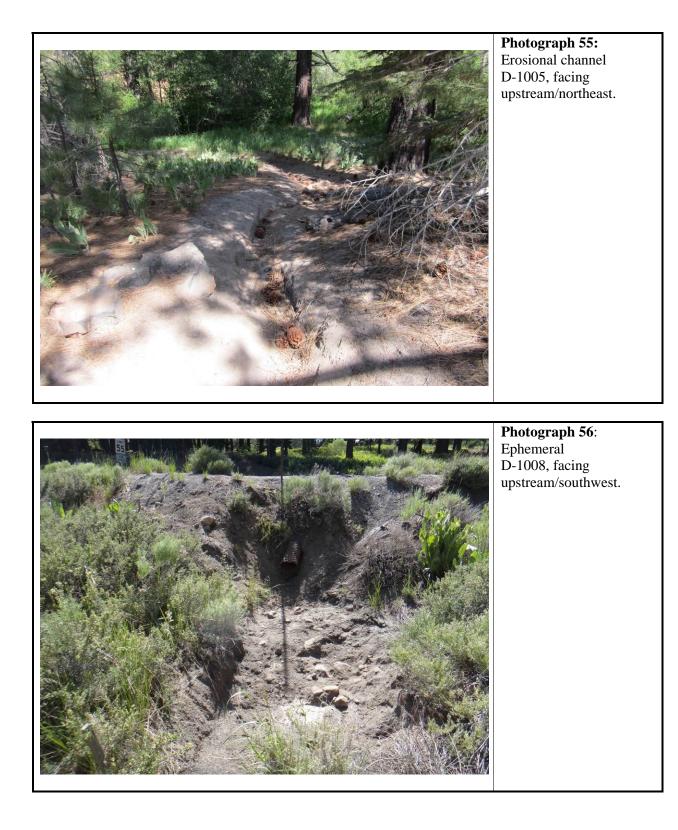






Photograph 51: Intermittent drainage D-1002, facing upstream/east.







Photograph 58: Section D-808 of Middle Martis Creek, facing

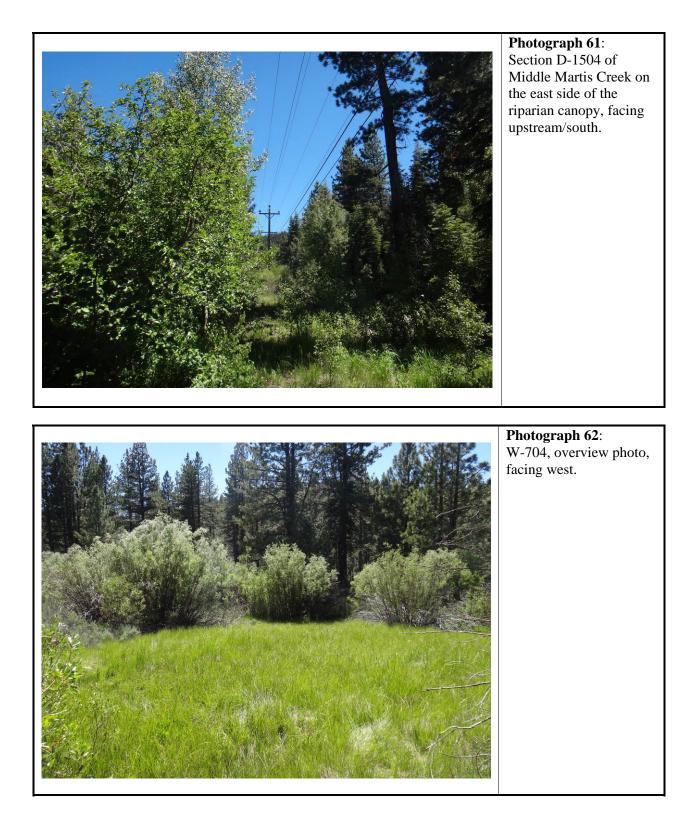


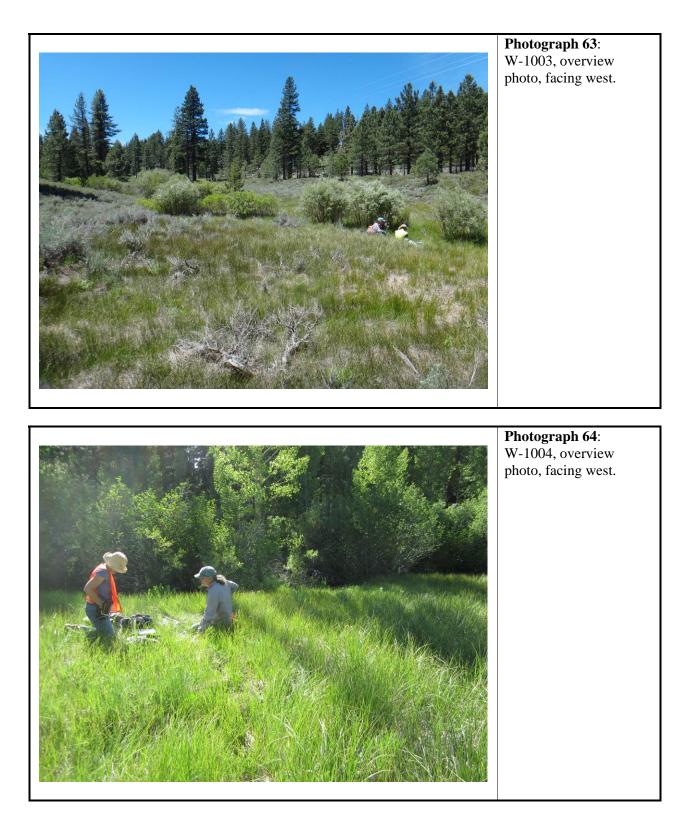
Photograph 59: Section D-1007 of

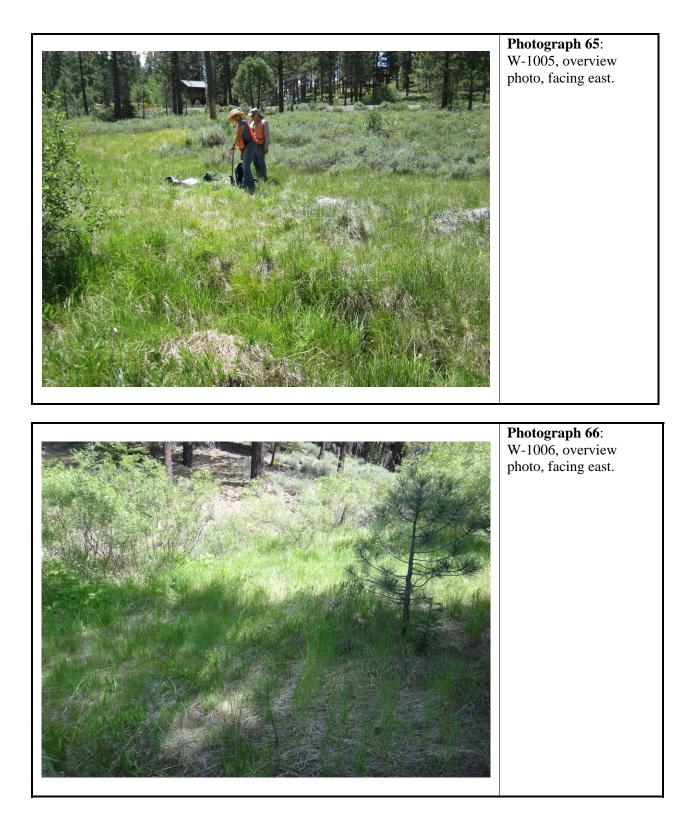
Middle Martis Creek on the west side of the riparian canopy, facing upstream/south.



Photograph 60: Section D-1201 of Middle Martis Creek on the west side of the riparian canopy, facing upstream/south.

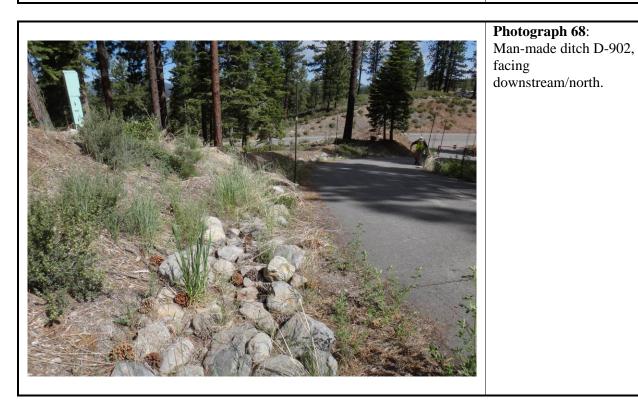


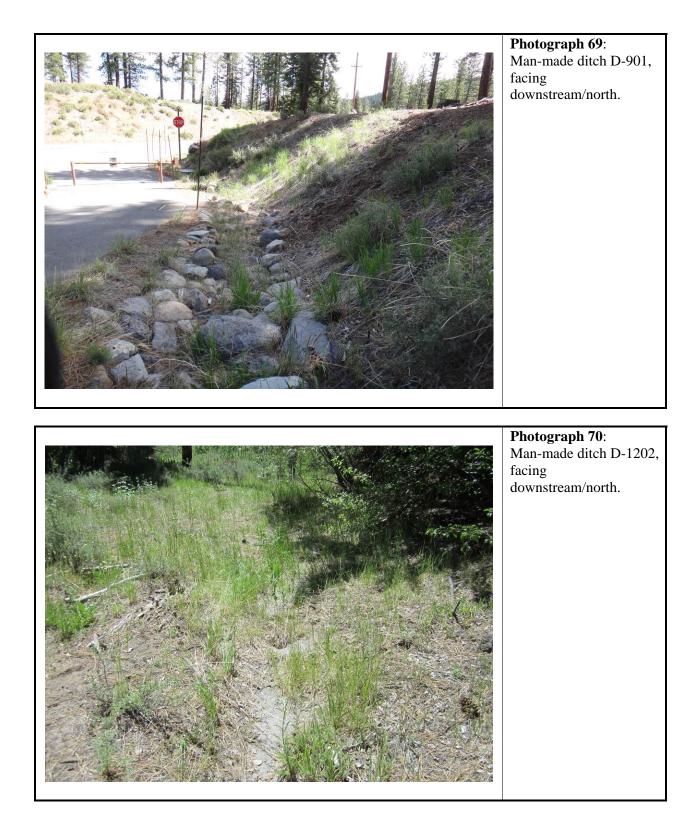


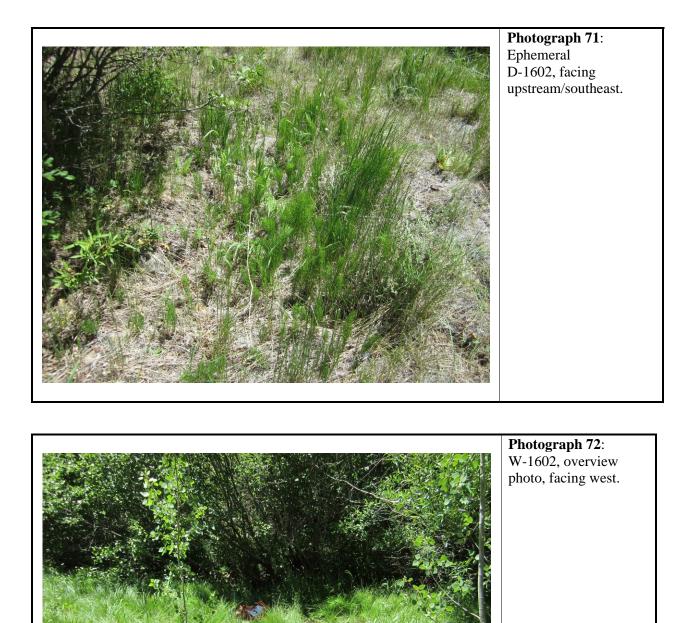


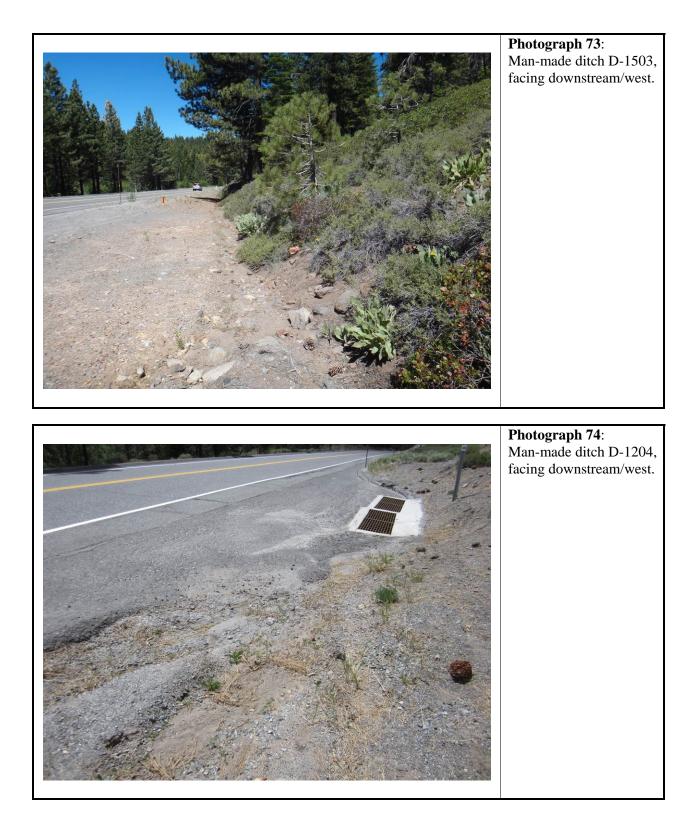


Photograph 67: Ephemeral drainage D-903, facing upstream/southeast.

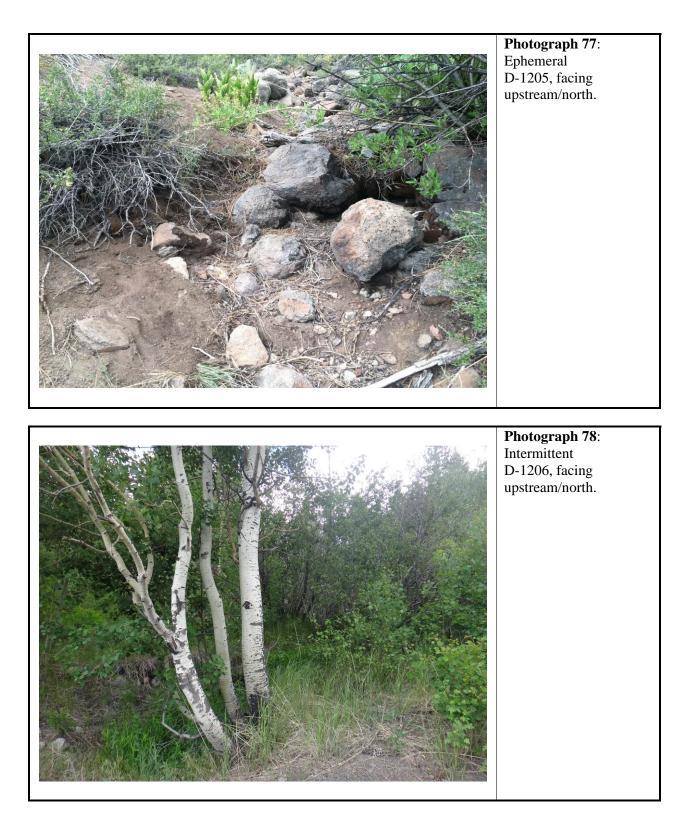


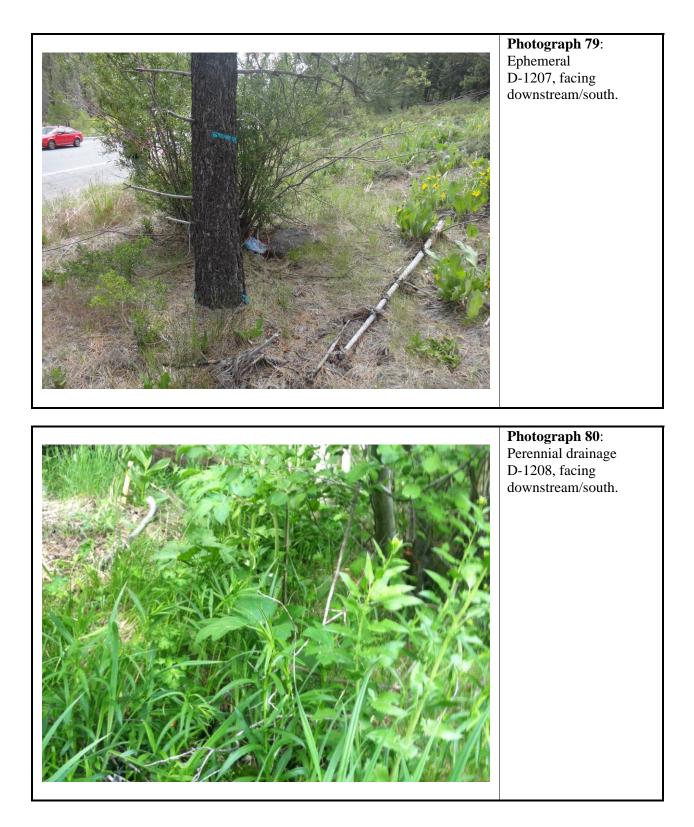


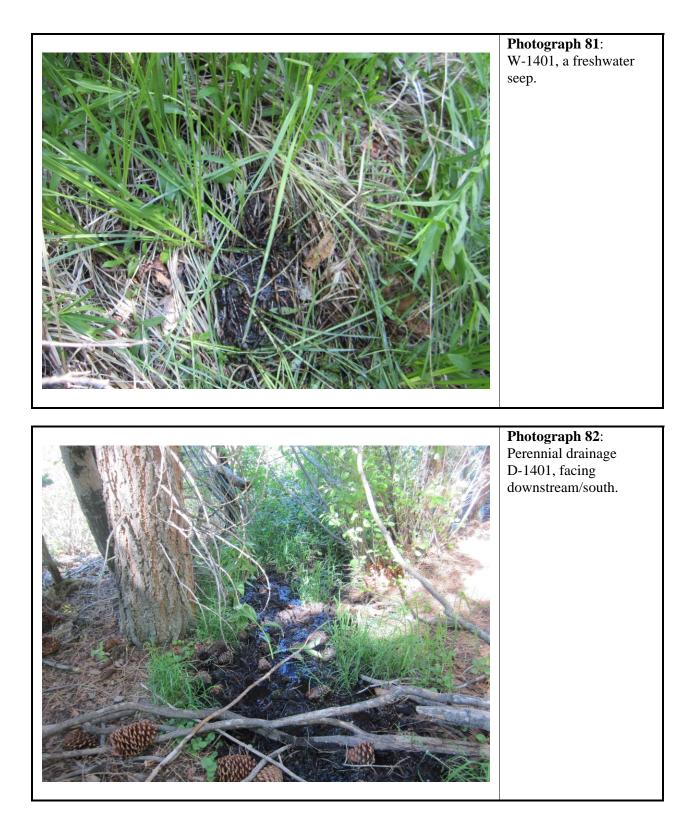


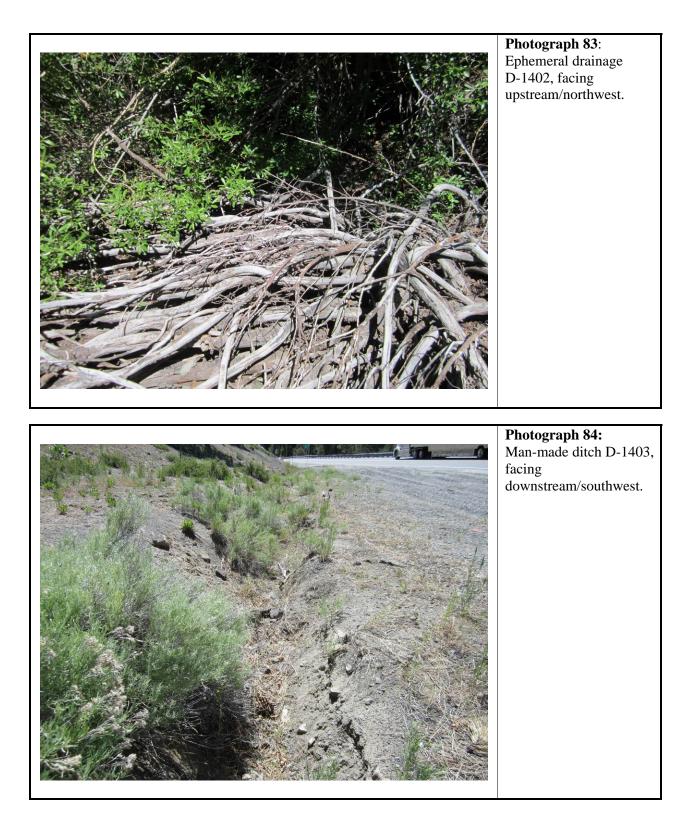


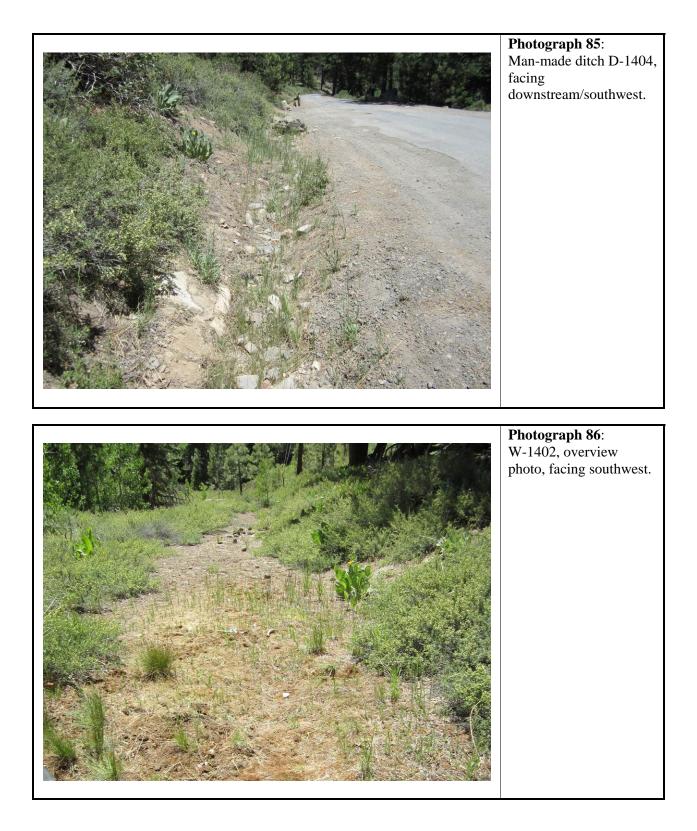


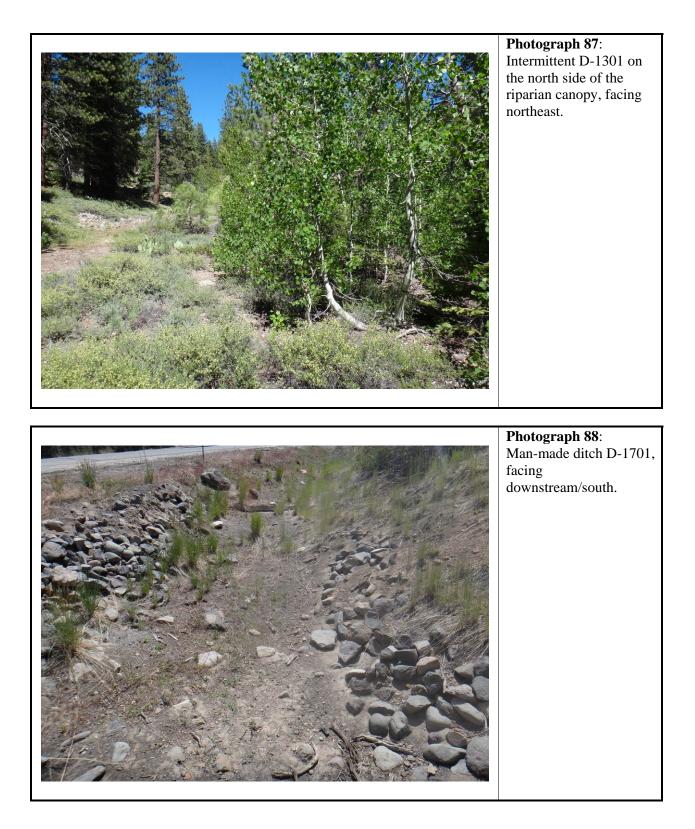


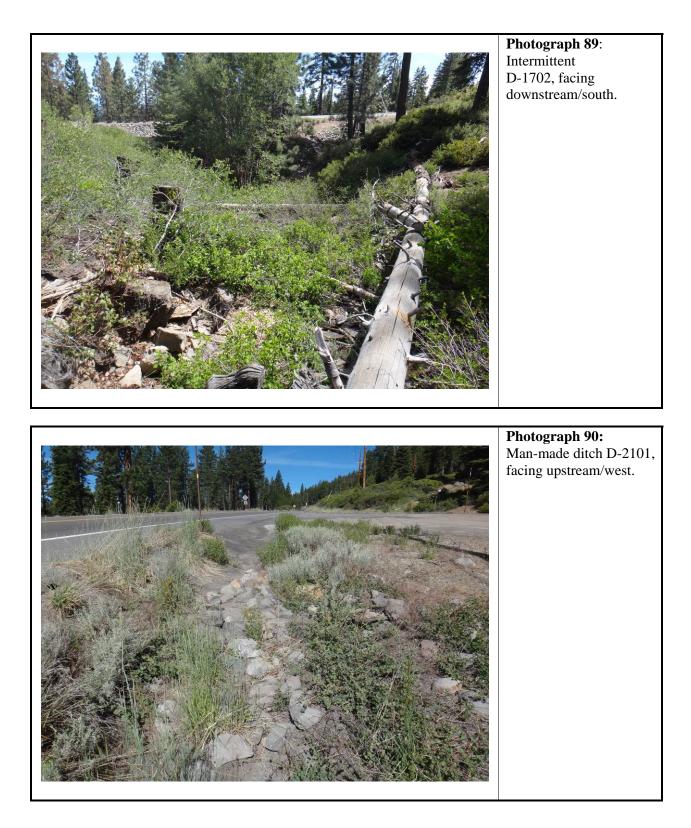




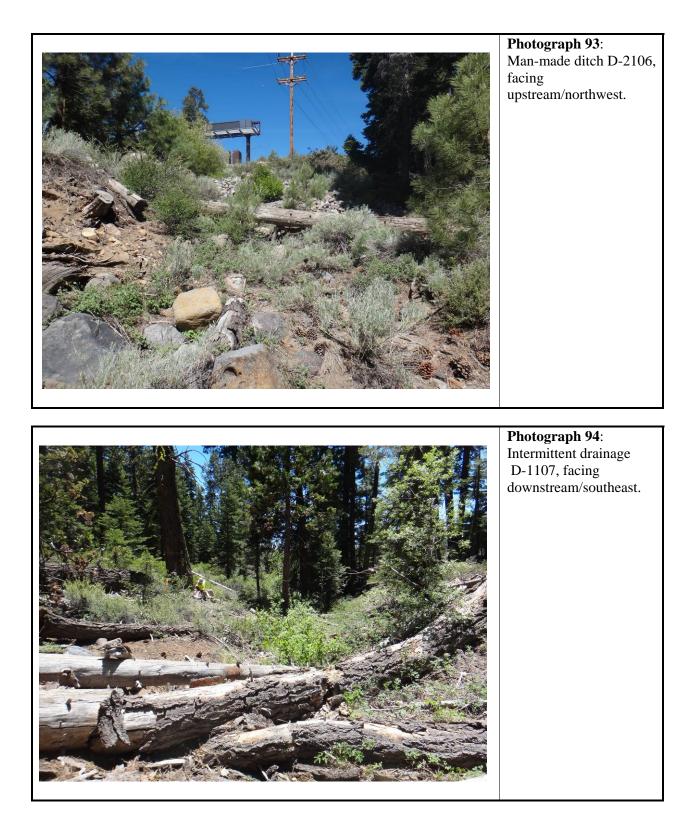




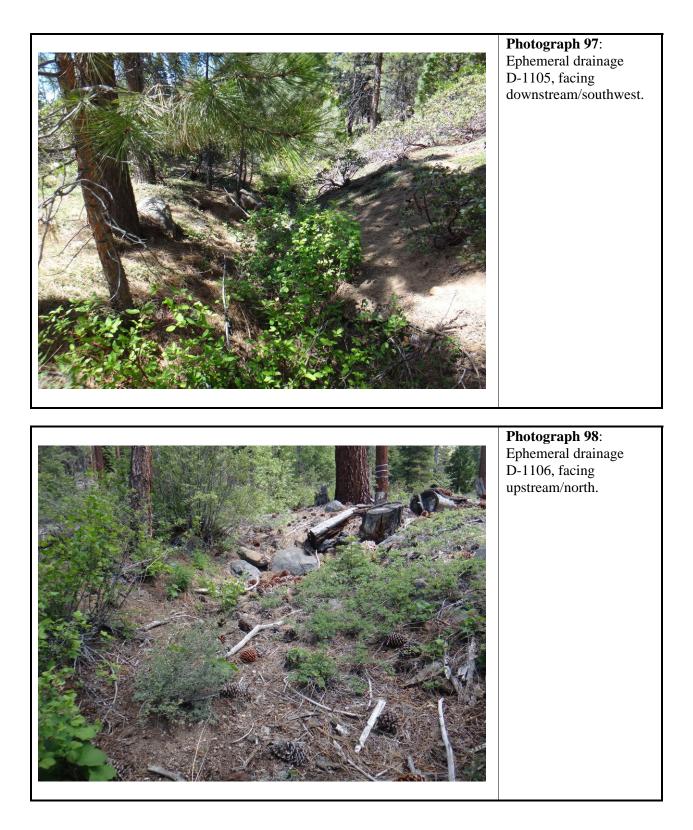


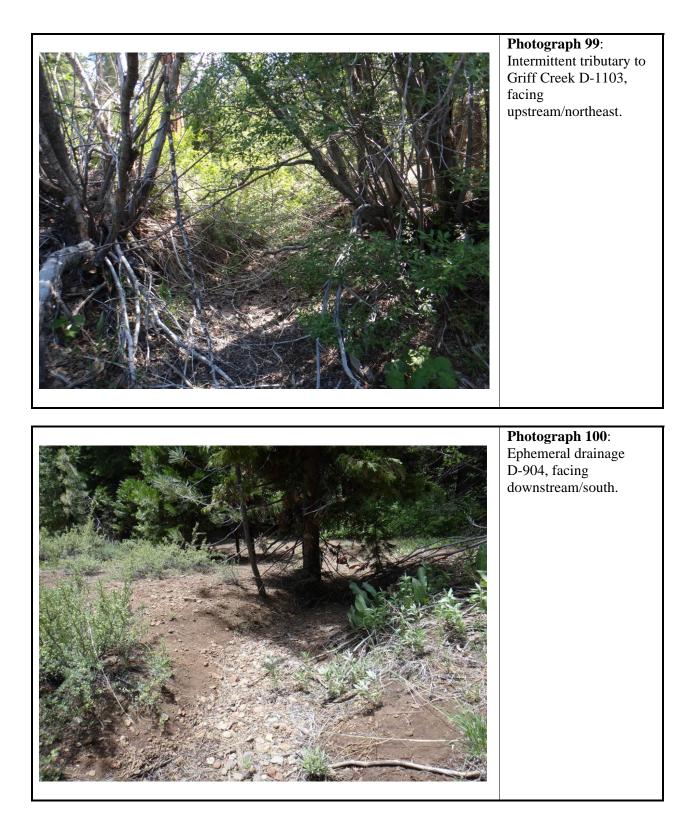


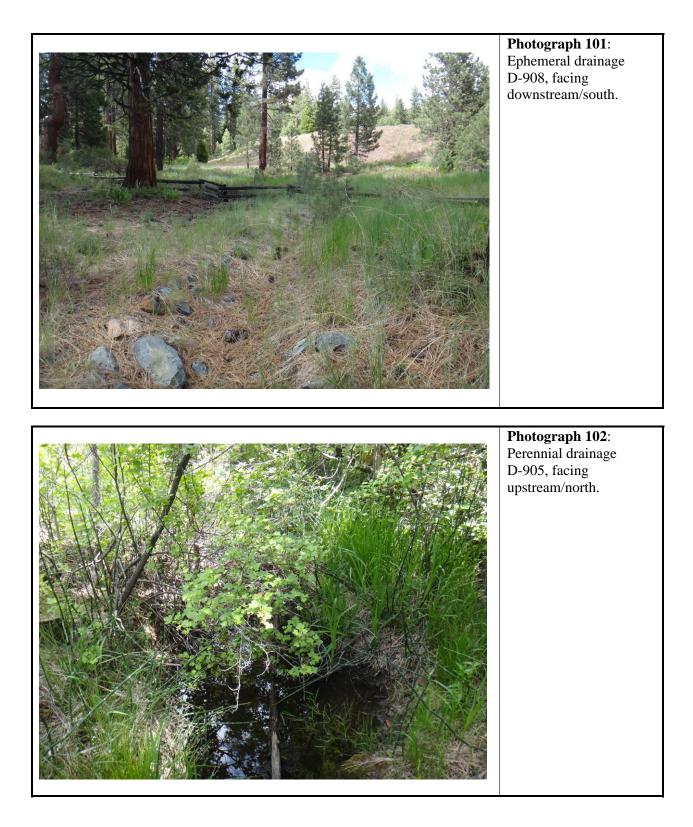












ATTACHMENT E: PLANT SPECIES OBSERVED

Attachment E: Plant Species Observed

ennstaedtiaceae - Bracken Family		
Pteridium aquilinum var. pubescens	Bracken fern	FACU
quisetaceae - Horsetail Family		
Equisetum arvense	Common horsetail	FAC
Equisetum laevigatum	Smooth scouring-rush	FACU
Equiscium acorganam	Shiooth scouring rush	inco
mnosperms		
upressaceae - Cypress Family		
Calocedrus decurrens	Incense cedar	UPL
inaceae - Pine Family		
Abies concolor	White fir	UPL
Pinus contorta ssp. murrayana	Lodgepole pine	FAC
Pinus jeffreyi	Jeffrey pine	UPL
Pinus ponderosa var. ponderosa	North Plateau ponderosa pine	FACU
giosperms - Dicots		
piaceae (Umbelliferae) - Carrot Fa	amily	
Heracleum maximum	American cow parsnip	FAC
Osmorhiza occidentalis	Sweet cicely	UPL
Perideridia lemmonii	Lemmon's yampah	UPL
Perideridia parishii ssp. latifolia	Parish's yampah	FAC
Sphenosciadium capitellatum	Ranger's buttons	FACW
pocynaceae - Dogbane/Milkweed 1	Family	
Apocynum androsaemifolium	Bitter dogbane	FACU
Asclepias cordifolia	Purple milkweed	UPL
Asclepias speciosa	Showy milkweed	FAC
steraceae (Compositae) - Sunflowe	er Family	
Achillea millefolium	Common yarrow	FACU
Agoseris grandiflora var. grandiflora	Western mountain aster	UPL
Agoseris retrorsa	Spear-leaf agoseris	UPL
Anaphalis margaritacea	Pearly everlasting	UPL
Antennaria rosea ssp. confinis	Pussytoes	UPL
Arnica cordifolia	Heartleaf arnica	UPL
Arnica mollis	Hairy arnica	FAC
Artemisia arbuscula ssp. arbuscula	Low sagebrush	UPL
Artemisia cana ssp. bolanderi	Silver sagebrush	FACU
Artemisia douglasiana	California mugwort	FACW
Artemisia tridentata	Big sagebrush	UPL
Balsamorhiza hookeri	Hooker's balsamroot	UPL
Balsamorhiza sagittata	Arrowleaf balsamroot	UPL
Chaenactis douglasii var. douglasii	Hoary chaenactis	UPL
Chrysothamnus viscidiflorus	Yellow rabbitbrush	UPL

Cirsium andersonii	Rose thistle	UPL
Cirsium scariosum	Meadow thistle	FAC
*Cirsium vulgare	Bull thistle	FACU
Crepis occidentalis ssp. conjuncta	Hawksbeard	UPL
Ericameria nauseosa	Rubber rabbitbrush	UPL
Erigeron inornatus var. inornatus	Western rayless fleabane	UPL
*Grindelia squarrosa var. serrulata	Curly-top gumweed	FACU
*Lactuca serriola	Prickly lettuce	FACU
*Leucanthemum vulgare	Ox-eye daisy	FACU
Madia elegans	Common madia	UPL
Madia gracilis	Slender tarweed	UPL
Psilocarphus brevissimus var. brevissimus	Dwarf woolly-heads	FACW
Senecio integerrimus	Mountain butterweed	FACU
Senecio triangularis	Arrowleaf groundsel	FACW
Solidago velutina ssp. californica	California goldenrod	UPL
Symphyotrichum spathulatum var. spathulatum	Western mountain aster	FAC
*Taraxacum officinale	Common dandelion	FACU
*Tragopogon dubius	Yellow salsify	UPL
Wyethia mollis	Mountain mule's-ears	UPL
Berberidaceae - Barberry Family		
Berberis aquifolium var. repens	Creeping barberry	UPL
Betulaceae - Birch Family	1 0 9	
Alnus incana ssp. tenuifolia	Mountain alder	FACW
	Wouldani alder	TACW
Boraginaceae - Borage Family		
Cryptantha affinis	Side-groved cryptantha	UPL
Hackelia micrantha	Jessica's stickseed	FACU
Hydrophyllum capitatum var. alpinum	Dwarf waterleaf	UPL
Phacelia hastata	Silverleaf phacelia	UPL
Brassicaceae (Cruciferae) - Mustard Fai	mily	
Boechera pendulocarpa	Dropseed rockcress	UPL
Boechera retrofracta	Reflexed rockcress	FACU
Cardamine breweri	Brewer's bitter-cress	FACW
*Descurainia sophia	Flixweed	UPL
Erysimum capitatum ssp. capitatum	Douglas's wallflower	UPL
*Lepidium campestre	Field pepperweed	UPL
Lepidium densiflorum	Miner's pepper	FACU
*Lepidium perfoliatum	Clasping pepperweed	FACU
Rorippa curvisiliqua	Western yellow cress	OBL
Caprifoliaceae - Honeysuckle Family		
Symphoricarpos mollis	Creeping snowberry	UPL
Symphoricarpos rotundifolius var. rotundifolius	Mountain snowberry	UPL
Caryophyllaceae - Pink Family		
Eremogone congesta var. congesta	Capitate sandwort	UPL
Stellaria longipes	Goldie's starwort	FACW
Chenopodiaceae - Goosefoot Family		
*Chenopodium album	White pigweed	FACU
*Salsola tragus	Russian thistle	FACU
-		
Convolvulaceae - Morning-Glory Family *Convolvulus arvensis	Bindweed	UPL
Convolvulus arvensis	BIIIUWEEU	UPL

Cornaceae - Dogwood Family		
Cornus sericea	Creek dogwood	UPL
Dipsacaceae - Teasel Familly		
*Dipsacus fullonum	Fuller's teasel	FAC
Ericaceae - Heath Family		
Arctostaphylos nevadensis ssp. nevadensis	Pinemat manzanita	UPL
Arctostaphylos patula	Greenleaf manzanita	UPL
Pterospora andromedea	Pinedrops	UPL
Sarcodes sanguinea	Snow plant	UPL
Fabaceae (Leguminosae) - Legume I		
Acmispon americanus var. americanus	Spanish clover	UPL
Astragalus purshii var. tinctus	Pursh's milkvetch	UPL
Hosackia crassifolius var. crassifolius	Buck lotus	UPL
Hosackia oblongifolia var. oblongifolia	Stream trefoil	OBL
*Lathyrus latifolius	Perennial sweetpea	UPL
Lathyrus nevadensis var. nevadensis	Sierra Nevada pea	UPL
Lupinus lepidus var. confertus	Alpine lupine	UPL
*Medicago sativa	Alfalfa	UPL
*Melilotus albus	White sweetcover	UPL
*Melilotus indicus	Annual yellow sweetclover	FACU
Trifolium cyathiferum	Cup clover	FAC
Trifolium longipes	Long-stalked clover	FAC
Fagaceae - Oak Family		
Chrysolepis sempervirens	Bush chinquapin	UPL
Quercus vaccinifolia	Huckleberry oak	UPL
Geraniaceae - Geranium Family		
*Erodium cicutarium	Redstem filaree	UPL
Grossulariaceae - Gooseberry Famil	ly	
Ribes nevadense	Mountain pink currant	FAC
Ribes roezlii var. roezlii	Sierra gooseberry	UPL
Lamiaceae (Labiatae) - Mint Family		
Agastache urticifolia	Nettleleaf horsemint	FACU
*Mentha arvensis	Field mint	FACW
Monardella odoratissima ssp. glauca	Coyote mint	UPL
Scutellaria nana	Dwarf skullcap	UPL
Stachys rigida var. rigida	Rigid hedgenettle	FACW
Linaceae - Flax Family		
Linum lewisii	Prairie flax	UPL
Loasaceae - Loasa Family		
Mentzelia dispersa	Nevada stickleaf	UPL
Malvaceae - Mallow Family		
Sidalcea glaucescens	Waxy checkerbloom	UPL
Sidalcea oregana ssp. spicata	Spicate checkerbloom	FACW
Montiaceae - Miner's Lettuce Family	V	
Calyptridium umbellatum	Pussypaws	UPL
Montia chamissoi	Toad-lily	OBL
Montia linearis	Linear-leaved montia	FAC

Onagraceae - Evening Primrose Fami	lly	
Chamerion angustifolium ssp. circumvagum	Narrow-leaf fireweed	FACU
Circaea alpina ssp. pacifica	Enchanter's nightshade	FAC
Clarkia rhomboidea	Tongue clarkia	UPL
Epilobium brachycarpum	Summer cottonweed	UPL
Epilobium ciliatum	Hairy willowherb	FACW
Gayophytum diffusum	Groundsmoke	UPL
Orobanchaceae - Broomrape Family		
Castilleja applegatei ssp. pinetorum	Pine paintbrush	UPL
Castilleja miniata ssp. miniata	Scarlet paintbrush	FACW
Castilleja tenuis	Bristle owl's-clover	FACU
Orthocarpus cuspidatus ssp. cryptanthus	Short owl's-clover	UPL
Pedicularis semibarbata	Pinewoods lousewort	UPL
Paeoniaceae - Peony Family		
Paeonia brownii	Western peony	UPL
Phrymaceae - Lopseed Family		
Mimulus guttatus	Common monkeyflower	OBL
Mimulus torreyi	Torrey's monkeyflower	UPL
Plantaginaceae - Plantain Family	Toney 5 monkeynower	OIL
		LIDI
Collinsia parviflora	Blue-eyed Mary	UPL
Penstemon azureus var. azureus	Azure penstemon	UPL
Penstemon deustus var. deustus	Hot-rock penstemon	UPL UPL
Penstemon gracilentis	Slender penstemon	UPL
Penstemon newberryi var. newberryi Penstemon rostriflorus	Mountain pride Bridge's penstemon	UPL
Penstemon rydbergii	Rydberg's penstemon	FACU
Penstemon speciosus	Showy penstemon	UPL
Veronica americana	American brooklime	OBL
		OBL
Polemoniaceae - Phlox Family		. In t
Ipomopsis aggregata ssp. aggregata	Scarlet gilia	UPL
Leptosiphon ciliatus	Whisker brush	UPL
Leptosiphon harknessii	Harkness' linanthus	UPL
Microsteris gracilis	Slender phlox	FACU
Navarretia intertexta	Needle-leaved navarretia	FACW
Navarretia leptalea ssp. bicolor	Purplethroat gilia	UPL
Polemonium occidentale	Western Jacob's-ladder	FACW
Polygonaceae - Buckwheat Family		
Bistorta bistortoides	Western bistort	FACW
Eriogonum heracleoides var. heracleoides	Parsnip-flower wild buckwheat	UPL
Eriogonum umbellatum var. nevadense	Nevada sulphur flower	UPL
*Polygonum aviculare	Common knotweed	FAC
Polygonum douglasii	Douglas' knotweed	FACU
Polygonum polygaloides	Polygala knotweed	FACW
*Rumex crispus	Curly dock	FAC
Rumex salicifolius	Willow dock	FACW
Primulaceae - Primrose Family		
Primula tetrandra	Alpine shooting star	FACW
Ranunculaceae - Buttercup Family		
Aquilegia formosa	Crimson columbine	FAC

Delphinium glaucum	Mountain larkspur	FACW
Ranunculus alismifolius	Plantainleaf buttercup	FACW
Ranunculus uncinatus	Hooked buttercup	FAC
Thalictrum fendleri	Fendler's meadow-rue	FAC
Thalictrum sparsiflorum	Few-flowered meadow-rue	FAC
Rhamnaceae - Buckthorn Family		
Ceanothus cordulatus	Mountain whitethorn	UPL
Ceanothus prostratus var. occidentalis	Mahala mat	UPL
Ceanothus velutinus	Tobacco brush	UPL
Rosaceae - Rose Family		
Amelanchier alnifolia'var. rwo kw	Dwarf serviceberry	FACU
Amelanchier utahensis	Utah serviceberry	UPL
Drymocallis glandulosa	Glandular cinquefoil	FAC
Geum macrophyllum var. macrophyllum	Large-leaved avens	FAC
Ivesia sericoleuca	Plumas ivesia	FAC
Potentilla gracilis	Slender cinquefoil	FAC
Prunus emarginata	Bitter cherry	FACU
Purshia tridentata var. glandulosa	Desert bitterbrush	UPL
Rosa woodsii	Woods' rose	FACU
Rubus parviflorus	Thimbleberry	FACU
Rubiaceae - Madder Family		
Galium aparine	Sticky-willy	FACU
Galium triflorum	Fragrant bedstraw	FACU
Kelloggia galioides	Kelloggia	UPL
Salicaceae - Willow Family		
Populus tremuloides	Quaking aspen	FACU
Salix geyeriana	Silver willow	FACW
Salix lemmonii	Lemmon's willow	FACW
Salix scouleriana	Scouler's willow	FAC
Sapindaceae - Soapberry Family		
Acer glabrum	Mountain maple	FACU
Saxifragaceae - Saxifrage Family		
Micranthes oregana	Oregon saxifrage	FACW
Scrophulariaceae - Figwort Family	6 6	
*Verbascum thapsus	Common mullein	FACU
-	Common munchi	TACO
Urticaceae - Nettle Family	TT	54.0
Urtica dioica ssp. holosericea	Hoary nettle	FAC
Violaceae - Violet Family		
Viola lobata ssp. integrifolia	Pine violet	UPL
Viscaceae - Mistletoe Family		
Arceuthobium campylopodum	Western dwarf mistletoe	UPL
ngiosperms -Monocots		
Agavaceae - Agave Family		
Camassia quamash	Blue camas	FACW
Alliaceae - Onion Family		
Allium campanulatum	Sierra onion	UPL

Araceae - Arum Family		
Lemna turionifera	Turion duckweed	OBL
Cyperaceae - Sedge Family		
Carex angustata	Wide-fruit sedge	FACW
Carex athrostachya	Slender-beak sedge	FACW
Carex nebrascensis	Nebraska sedge	OBL
Carex pellita	Woolly sedge	OBL
Carex praegracilis	Clustered field sedge	FACW
Carex rossii	Ross's sedge	UPL
Carex subfusca	Rusty sedge	FAC
Carex utriculata	Southern beaked sedge	OBL
Cyperus eragrostis	Tall flatsedge	FACW
Eleocharis macrostachya	Creeping spikerush	OBL
Scirpus microcarpus	Small-fruit bulrush	OBL
Juncaceae - Rush Family		
Juncus balticus	Baltic rush	FACW
Liliaceae - Lily Family		
Calochortus leichtlinii	Laightlin's mariness lity	UPL
	Leichtlin's mariposa lily	UPL
Melanthiaceae - Death Camas Fami	-	
Veratrum californicum var. californicum	California corn lily	FAC
Poaceae (Gramineae) - Grass Famil	У	
*Agropyron cristatum	Crested wheat grass	UPL
Agrostis exarata	Spike redtop	FACW
Agrostis idahoensis	Idaho bentgrass	FACW
Bromus carinatus var. carinatus	California brome	UPL
*Bromus tectorum	Cheat grass	UPL
*Dactylis glomerata	Orchard grass	FACU
Deschampsia danthonioides	Annual hairgrass	FACW
Elymus elymoides	Squirreltail	FACU
Elymus glaucus	Blue wildrye	FACU
*Elymus hispidus	Intermediate wheatgrass	UPL
Elymus multisetus	Big squirreltail	UPL
Elymus trachycaulus ssp. trachycaulus	Slender wheatgrass	FACU
Festuca idahoensis	Idaho fescue	FACU
Hordeum brachyantherum	Meadow barley	FACW
Muhlenbergia filiformis	Pull-up muhly	FACW
*Phleum pratense	Common timothy	FAC
*Poa bulbosa ssp. vivipara	Bulbous bluegrass	UPL
*Poa palustris	Fowl bluegrass	FAC
*Poa pratensis ssp. pratensis	Kentucky bluegrass	FAC
Poa secunda	Secund bluegrass	FACU
Stipa occidentalis var. californica	California needlegrass	UPL
Trisetum canescens	Trisetum	UPL
Ruscaceae - Butcher's Broom Famil	ly	
Maianthemum racemosum	Feathery false Solomon's seal	FAC
Maianthemum stellatum	Starry false Solomon's seal	FACU
Themidaceae - Brodiaea Family	-	
Triteleia hyacinthina	White triteleia	FAC

Sources: Environmental Laboratory 1987; U.S. Army Corps of Engineers 2013; Jepson eFlora 2014

^a Indicator Status Definitions: OBL =

Obligate, almost always occurs in wetlands (>99% probability of occurrence) FACW

Facultative wetland, usually occurs in wetlands (66%–99% probability) =

FAC = Facultative, equally likely to occur in wetlands or nonwetlands (34%-66% probability)

- FACU = Facultative upland, usually occurs in nonwetlands but occasionally in wetlands (1%-33% probability)
- Obligate upland, almost never occurs in wetlands (<1% probability) = UPL

* Indicates a non-native species

ATTACHMENT F: JURISDICTIONAL HYDROLOGIC FEATURES WITHIN THE SURVEY AREA

ATTACHMENT F: JURISDICTIONAL HYDROLOGIC FEATURES WITHIN THE SURVEY AREA

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
Wetlands		1		1	
Wetland (W-) 201	Dry Montane Meadow	Palustrine Emergent (PEM)	Pole (STR-) 1005	0.444	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-204	Wet Montane Meadow	PEM	West of STR-1006	0.182	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-205	Dry Montane Meadow	PEM	West of STR-1007 to west of STR-1010	1.239	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-206	Dry Montane Meadow	PEM	West of STR-1011 to STR- 1019	2.903	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-401	Wet Montane Meadow	PEM	STR-1025 to south of STR- 1032	3.239	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
W-601	Dry Montane Meadow	PEM	South of STR-1034 to north of STR-1035	0.578	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-604	Dry Montane Meadow	PEM	West of STR-1043	0.034	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-703	Dry Montane Meadow	PEM	East of STR-1044 to south of STR-1045	0.858	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-702	Dry Montane Meadow	PEM	STR-1047 to northwest of STR-1408	0.190	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-701	Dry Montane Meadow	PEM	East of STR-1048 to the access road north of STR- 1050	0.230	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-704	Wet Montane Meadow	Riverine Lower Perennial (R2)	South of STR-1068	0.061	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
W-1003	Dry Montane Meadow	PEM	South of STR-1070	0.036	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-1004	Wet Montane Meadow	Riverine Intermittent (R4)	East of STR-1072	0.024	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-1005	Wet Montane Meadow	R4	East of STR-1073	0.004	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-1006	Wet Montane Meadow	R4	Northeast of STR-1074	0.006	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-1601	Wet Montane Meadow	R4	South of STR-1084	0.005	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
W-1401	Wet Montane Meadow	Palustrine Scrub-Shrub (PSS)	East of STR-1126	0.008	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
W-1402	Dry Montane Meadow	R4	Northeast of STR-1135	0.006	Supports a dominance of hydrophytic vegetation, is characterized by the presence of hydric soils, and has evidence of wetland hydrology.
Total				10.047	
Other Wa	ters of the U.	S.			
Drainage (D-) 101	Ephemeral Drainage	R4	Northwest of STR-1000	0.004	This feature is a tributary of an unnamed drainage that eventually drains into Martis Creek.
D-102	Ephemeral Drainage	R4	Northwest of STR-1000	0.001	This feature is a tributary of an unnamed drainage that eventually drains into Martis Creek.
D-103	Ephemeral Drainage	R4	Northwest of STR-1000	0.003	This feature is a tributary of an unnamed drainage that eventually drains into Martis Creek.
D-104	Ephemeral Drainage	R4	Southeast of STR-1000	0.023	This feature is a tributary of an unnamed drainage that eventually drains into Martis Creek.
D-105	Ephemeral Drainage	R4	Southeast of STR 1004	0.002	This feature is a tributary of Martis Creek.
D-201	Ephemeral Drainage	R4	South of STR-1004	0.019	This feature is a tributary of Martis Creek
D-202	Perennial Creek	R2	East of STR-1004	0.096	This feature is a section of Martis Creek.

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
D-203	Ephemeral Drainage	R4	Halfway between STR- 1006 and STR-1007	0.001	This feature is a tributary of Martis Creek.
D-204	Ephemeral Drainage	R4	West of STR-1008	0.002	This feature is a tributary of Martis Creek.
D-205	Ephemeral Drainage	R4	West of STR-1009	0.001	This feature is a tributary of Martis Creek.
D-206	Perennial Drainage	R2	East of STR-1009	0.002	This feature is a tributary of Martis Creek.
D-207a	Ephemeral Drainage	R4	West of STR-1010	0.005	This feature is a tributary of Martis Creek.
D-207b	Ephemeral Drainage	R4	East of STR-1010	0.001	This feature is a tributary of Martis Creek.
D-208	Ephemeral Drainage	R4	Adjacent to STR-1011	0.011	This feature is a tributary of Martis Creek.
D-301	Intermittent Drainage	R4	East of STR-1012	0.003	This feature is a tributary of Martis Creek.
D-302	Ephemeral Drainage	R4	East of STR-1019	0.003	This feature is a tributary of Martis Creek.
D-406	Intermittent Drainage	R4	East of STR-1025	0.004	This feature is a section of West Martis Creek, which is a tributary of Martis Creek.
D-405	Ephemeral Drainage	R4	Halfway between STR- 1025 and STR-1026	0.019	This feature is a tributary of West Martis Creek.

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
D-404	Intermittent Drainage	R4	West of STR-1026	0.003	This feature is a tributary of West Martis Creek, and receives irrigation runoff from the adjacent golf course.
D-403	Intermittent Drainage	R4	East of STR-1026	0.003	This feature is a tributary of West Martis Creek, and receives irrigation runoff from the adjacent golf course.
D-402	Intermittent Drainage	R4	East of D-403	0.004	This feature is a tributary of West Martis Creek, and receives irrigation runoff from the adjacent golf course.
D-401	Ephemeral Drainage	R4	West of STR-1027	0.002	This feature is a tributary of West Martis Creek.
D-303	Ephemeral Drainage	R4	East of STR-1028	0.002	This feature is a tributary of Middle Martis Creek.
D-304a D-304b	Intermittent Drainage	R4	East of D-303	0.002	This feature is a tributary of Middle Martis Creek. D-304b drains into D-304a. It receives runoff from a pond in the adjacent golf course.
D-601	Ephemeral Drainage	R4	North of STR-1034	0.004	This feature is a tributary of Middle Martis Creek.
D-602a D-602b	Intermittent /Ephemeral Drainage	R4	North of D-601	0.002	D-602b drains into D-602a, which is a tributary of Middle Martis Creek.
D-603a D-603b	Intermittent Drainage	R4	South of STR-1035	0.003	D-603b drains into D-603a, which is a section of Middle Martis Creek.
D-604	Ephemeral Drainage	R4	North of STR-1035	0.003	This feature is a tributary of Middle Martis Creek.

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
D-805	Ephemeral Drainage	R4	Northwest of STR-1045	0.001	This feature is a drainage that flows within W-701.
D-804	Ephemeral Drainage	R4	East of STR-1046	Not Jurisdictional	This feature is a drainage fed by adjacent W-703. D-804 flows south where it empties into lower-lying W-702.
D-803	Ephemeral Drainage	R4	North of STR-1047	Not Jurisdictional	This feature is a small drainage in W-702.
D-802	Ephemeral Drainage	R4	East of STR-1047	Not Jurisdictional	This feature is a drainage that empties into lower-lying W-702.
D-801	Ephemeral Drainage	R4	South of STR-1048	Not Jurisdictional	This feature is a narrow drainage that flows north and empties into lower-lying W-702.
D-501	Ephemeral Drainage	R4	Southeast of STR-1049	Not Jurisdictional	This branched feature empties into a lower- lying wetland.
D-701	Erosional Channel	R4	Northwest of STR-1050	Not Jurisdictional	This feature is fed by W-701. D-701 flows to the west, where it dissipates.
D-503	Ephemeral Drainage	R4	North of STR-1060	0.015	This feature is characterized by a large cobble bed and is a tributary of Middle Martis Creek.
D-504	Ephemeral Drainage	R4	South of STR-1065	0.002	This feature is a tributary of Middle Martis Creek.
D-806	Perennial Drainage	R2	Northeast of STR-1069	0.019	This feature is a braided tributary of Middle Martis Creek.
D-807	Ephemeral Drainage	R4	North of STR-1069	0.006	This feature is a tributary of Middle Martis Creek.

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
D-1002	Intermittent Drainage	R4	Southeast of STR-1070	0.002	This feature is a tributary of Middle Martis Creek.
D-1001	Ephemeral Drainage	R4	East of STR-1070	0.002	This feature is a tributary of Middle Martis Creek.
D-1003	Ephemeral Drainage	R4	South of STR-1071	0.007	This feature is an overflow side channel of Middle Martis Creek.
D-1004	Erosional Channel	R4	South of STR-1073 to STR-1074	Not Jurisdictional	This feature flows along an unmaintained access road bed.
D-1005	Erosional Channel	R4	North of STR-1076	0.001	This feature receives runoff from Highway 267 and drains into Middle Martis Creek.
D-1008	Ephemeral Drainage	R4	South of STR-1077	0.001	This feature receives runoff from Highway 267 and drains into Middle Martis Creek.
D-1009	Ephemeral Drainage	R4	East of STR-1078, connected to D-1007	0.006	This feature is a braided tributary of Middle Martis Creek.
D-808 D-1007 D-1201 D-1601 D-1504	Intermittent Creek	R4	STR-1070 to STR-1072 STR-1078 to STR-1081 STR 1083 to STR-1085 STR-1089 to STR-1093	0.255	This feature is a section of Middle Martis Creek that weaves in and out of the 650 Line Rebuild Project (project) area.
D-903	Ephemeral Drainage	R4	Northeast of STR-1230	Not Jurisdictional	This feature drains into a topographic depression.
D-902	Man-Made Ditch	R4	North of STR-1224	Not Jurisdictional	This feature is a rock-lined channel that drains to a culvert. It parallels the west side of an unnamed road to the south of Highlands View Road.

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
D-901	Man-Made Ditch	R4	East of STR-901	Not Jurisdictional	This feature is a rock-lined channel that drains to a culvert. It parallels the east side of an unnamed road to the south of Highlands View Road.
D-1202	Man-Made Ditch	R4	North of STR-1082	0.005	This feature drains runoff from Highway 267 and connects to Middle Martis Creek.
D-1203	Man-Made Ditch	R4	Northwest of STR-1083	0.004	This feature is the upstream portion of D-1202. It enters the project area from a culvert under Highway 267.
D-1602	Ephemeral Drainage	R4	North of STR-1084	0.001	This feature is a tributary to Middle Martis Creek.
D-1503	Man-Made Ditch	R4	East of STR-1099 to south of STR-1101	Not jurisdictional	This feature parallels the roadside and receives runoff from upslope. It drains to a culvert, which later connects to Middle Martis Creek.
D-1204	Man-Made Ditch	R4	Southwest of STR-1106	Not Jurisdictional	This feature parallels the roadside and receives runoff from upslope. It drains to a culvert, which later connects to Middle Martis Creek.
D-1502	Erosional Drainage	R4	West of STR-1108	0.007	This is an erosional feature that terminates in an ephemeral drainage.
D-1501	Erosional Drainage	R4	East of STR-1110	0.014	This is an erosional feature caused by upslope runoff. It splits into two smaller drainages before terminating at Highway 267.
D-1205	Ephemeral Drainage	R4	East of STR-1113	0.005	This feature drains into a culvert under Highway 267 and eventually connects to Middle Martis Creek.

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
D-1206	Intermittent Drainage	R4	East of STR-1114	0.004	This feature is an unnamed tributary of Middle Martis Creek that drains into a culvert beneath Highway 267 and eventually connects to Middle Martis Creek.
D-1207	Ephemeral Drainage	R4	West of STR-1117	Not Jurisdictional	This feature receives runoff from Highway 267 and eventually fans out and dissipates into a grassland area.
D-1208	Perennial Drainage	R2	East of STR-1123	0.002	This feature is a tributary of Middle Martis Creek that drains into a culvert beneath Highway 267.
D-1401	Perennial Drainage	R2	Southeast of STR-1126	0.005	This feature drains to a culvert at Highway 267 and eventually connects to Middle Martis Creek.
D-1402	Ephemeral Drainage	R4	Northwest of STR-1127	0.005	This feature is a roadside ditch that receives runoff from Highway 267.
D-1403	Man-Made Ditch	R4	South of STR-1127	0.001	This feature is a roadside ditch that receives runoff from Highway 267, drains into a culvert at Highway 267, and eventually connects to Middle Martis Creek
D-1404	Ephemeral Drainage	R4	South of STR-1134 to northeast of STR-1135	0.013	This feature is a roadside drainage that parallels the northwest side of Martis Peak Road and drains into Middle Martis Creek.
D-1405	Ephemeral Drainage	R4	South of STR-1135	0.003	This feature is a tributary of Middle Martis Creek.
D-1301	Intermittent Drainage	R4	South of STR-1135	0.007	This feature is a section of Middle Martis Creek.

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
D-1701	Man-Made Ditch	R4	East of STR-1176	0.015	This feature is lined with riprap and receives runoff from Highway 267. It drains into D-1702.
D-1702	Intermittent Drainage	R4	West of STR-1177	0.010	This unnamed feature is a tributary of D-1109. It drains into a culvert under Highway 267 and eventually drains into Lake Tahoe at Moondunes Beach.
D-2101 D-2102 D-2103 D-2105	Man-Made Ditch	R4	South of STR-1182 West of STR-1183 East of STR-1183 Southwest of STR-1185	0.005	This feature is a series of connected roadside ditches that parallel the north side of Highway 267. The ditches eventually drain off site through a culvert to an unnamed perennial drainage that drains into Lake Tahoe at Moondunes Beach.
D-1108	Erosional Drainage	R4	North of STR-1183	0.001	This feature is a roadside drainage that parallels the north side of Gas Line Road, a United States Forest Service (USFS) dirt access road. It drains into a culvert under the road. This feature eventually connects to an unnamed perennial drainage that drains into Lake Tahoe at Moondunes Beach.
D-2106	Man-Made Ditch	R4	Between STR-1190 and STR-1191	0.002	This feature is fed by a culvert on the north side of Highway 267 and D-1107. It drains into a catchment basin, which then becomes an ephemeral overflow channel that parallels Highway 267, and eventually culverts again under Highway 267. This feature then drains into Lake Tahoe at Moondunes Beach.

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
D-1107	Intermittent Drainage	R4	Northeast of STR-1190	0.009	This feature drains into D-2106 via sheet flow.
D-1506	Intermittent Drainage	R4	West of STR-1200	0.007	This feature drains into an unnamed intermittent creek that empties into Lake Tahoe at Moondunes Beach.
D-1101	Ephemeral Drainage	R4	East of STR-1207	0.005	This feature is a rock-lined tributary of Griff Creek, which eventually drains into Lake Tahoe at Kings Beach.
D-1102 D-1105	Ephemeral Drainage	R4	Northwest of STR-1208	0.008	This feature is a tributary of Griff Creek.
D-1106	Ephemeral Drainage	R4	Northeast of STR-1208	0.004	This feature is a tributary of Griff Creek.
D-1103	Side Channel	R4	Southeast of STR-1208	0.041	This feature is a section of Griff Creek.
D-904	Ephemeral Drainage	R4	North of STR-1218	0.002	This feature is an ephemeral drainage that eventually connects to Griff Creek.
D-908	Ephemeral Drainage	R4	Northeast of STR- 2344	Not Jurisdictional	This feature is a USFS-created water runoff treatment zone. It is lined with rock and sand.
D-907 D-906 D-905	Perennial Drainage	R2	West of STR-2345 and STR-2347	0.028	This feature is a braided tributary of Griff Creek.
Total Acres of Other Waters of the U.S./State				0.755	

Feature ID	Feature Type	Cowardin Classification	Approximate Location	Approximate USACE and RWQCB Jurisdictional Area (acres)	Comments
Total Waters of the U.S./State				10.802	