DRAFT

APPROVED JURISDICTIONAL DELINEATION

STEVENS CREEK QUARRY SANTA CLARA COUNTY, CALIFORNIA





November 2017

DRAFT

APPROVED JURISDICTIONAL DELINEATION

STEVENS CREEK QUARRY

SANTA CLARA COUNTY, CALIFORNIA

Prepared for:

Stevens Creek Quarry, Inc. 12100 Stevens Canyon Road Cupertino, California 95014

Prepared by:

LSA 201 Creekside Ridge Court, Suite 250 Roseville, California 95678 916.772.7450

Project No. MIT1701



November 2017

TABLE OF CONTENTS

1.0	INT	RODUCTION	1-1
2.0	ENV	/IRONMENTAL SETTING	2-1
	2.1	Climate	
	2.2	Hydrology	
	2.3	Soils	
	2.4	Plant Communities / Land Uses	2-6
3.0	REG	GULATORY BACKGROUND	3-1
	3.1	Section 404	3-1
	3.2	Section 10 Error! Bookmark no	
4.0	ME	THODS	4-1
5.0	DEL	INEATION RESULTS	5-1
	5.1	Settling Ponds	5-4
	5.2	Natural Drainages	
	5.3	Manipulated drainages	
	5.4	Isolated depression	5-7
6.0	SEC	TION 404 JURISDICTIONAL DETERMINATION	6-1
	6.1	Settling Ponds	6-1
	6.2	Natural Drainages	
	6.3	Manipulated Drainages	
	6.4	Isolated Depression	
7.0	CON	NCLUSION	7-1

APPENDICES

APPENDIX A:WETLAND DATA FORMSAPPENDIX B:APPROVED JURISDICTIONAL DELINEATION FORMAPPENDIX C:REPRESENTATIVE PHOTOS



FIGURES AND TABLES

FIGURES

Figure 1: Regional Location	1-3
Figure 2: Review Area Vicinity on Topographic Base	1-4
Figure 3: Regional Watershed	2-3
Figure 4: NRCS Soil Classifications	2-5
Figure 5: Plant Communities / Land Uses	2-7
Figure 6: Approved Jurisdictional Waters Overview	5-3
Figure 7: Overview of Waters of the U.S.	6-3
Figure 8: Approved Jurisdictional Delineation Mapping	6-4

TABLES

Table 1: NRCS Soil Types in the Review Area	2-4
Table 2: Summary of Plant Communities/Land Uses in the Review Area (acres)	
Table 3: Summary of Potential Jurisdictional Waters in the Review Area (acres)	5-1
Table 4: Detailed Summary of Section 404 Waters and Non-Section 404 Waters in the	
Review Area (acres)	6-1
Table 5: Summary of Waters of the U.S. in the Review Area (acres)	



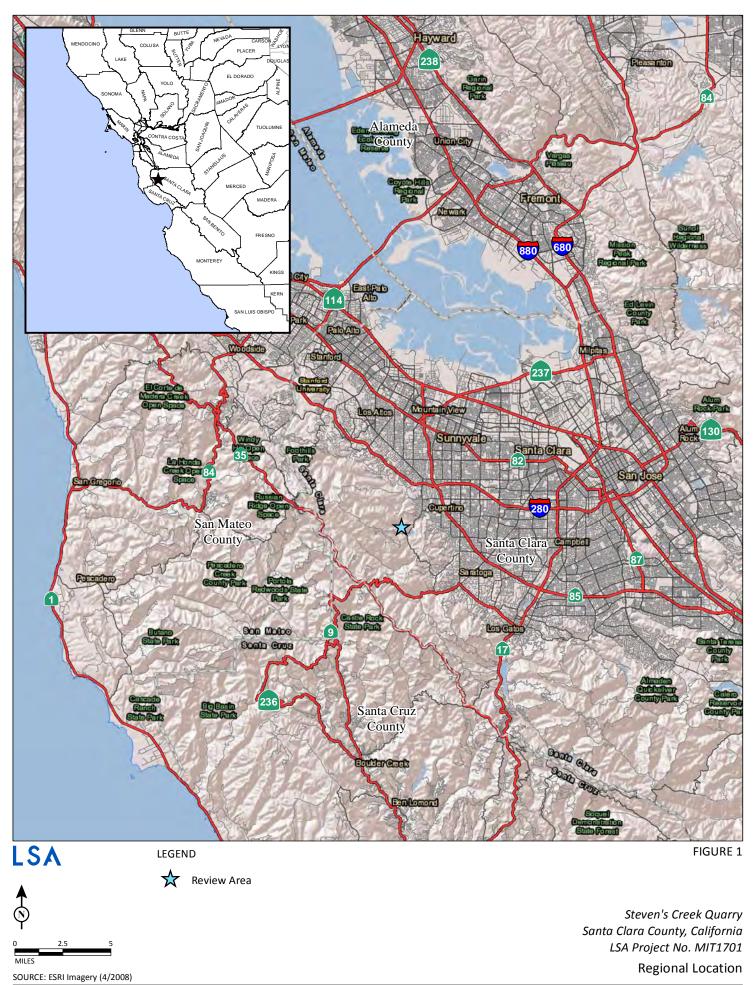
1.0 INTRODUCTION

This report, prepared by LSA on behalf of the Stevens Creek Quarry, Inc., presents the results of a delineation of potential waters of the United States (U.S.) for the Stevens Creek Quarry Site (review area). Potential regulated waters in the review area include areas meeting the United States Army Corps of Engineers (USACE) criteria for wetlands and/or other waters of the U.S. subject to regulation under Section 404 of the Clean Water Act (CWA). Included herein are a description of the review area, an explanation of the methods used during the delineation, and a discussion of the results.

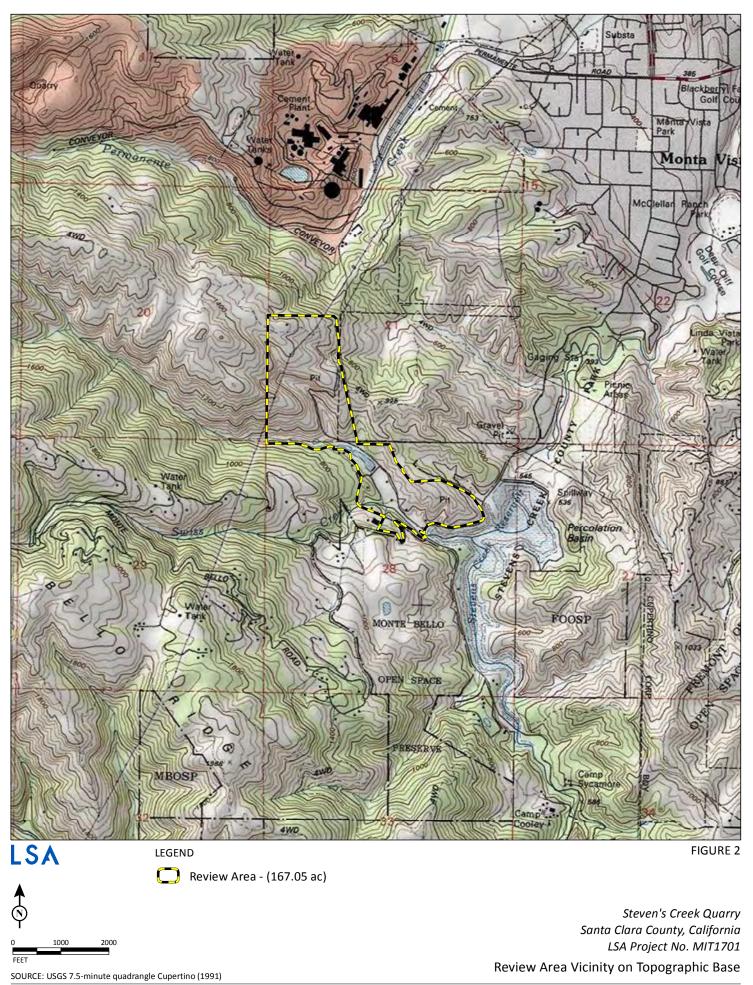
The findings and conclusions presented in this report, including the location and extent of wetlands and other waters subject to regulation under Section 404 of the CWA, represent the professional opinion of LSA. These findings and conclusions should be considered preliminary until verified by the USACE.

The review area totals 167.05 acres (ac) and is located in Santa Clara County, approximately 1.8 miles (mi) southwest of the City of Cupertino adjacent to Stevens Canyon Road. Topography is primarily steep slopes with flat, graded terraces in canyons; the elevation ranges from approximately 550 feet (ft) to 1,000 ft above mean sea level (Figures 1 and 2).





I:\MIT1701\GIS\Reports\JD\Fig1_Regional_loc.mxd (10/24/2017)



I:\MIT1701\GIS\Reports\JD\Fig2_Prj_vicinity.mxd (3/21/2018)

2.0 ENVIRONMENTAL SETTING

The review area is located in the central portion of the California Coastal Range. Topography in the region consists of canyons and valleys with steep slopes in the costal range as well as flatter, more developed terrain of cities in the foothills. The predominant habitats in the region are chaparral and oak woodlands, generally occurring on ridgetops and south and west facing slopes, and California bay forest, which generally occurs in valley bottoms and on north and east facing slopes. Primary land uses in the vicinity are open space and urban with smaller areas of mining operations.

2.1 CLIMATE

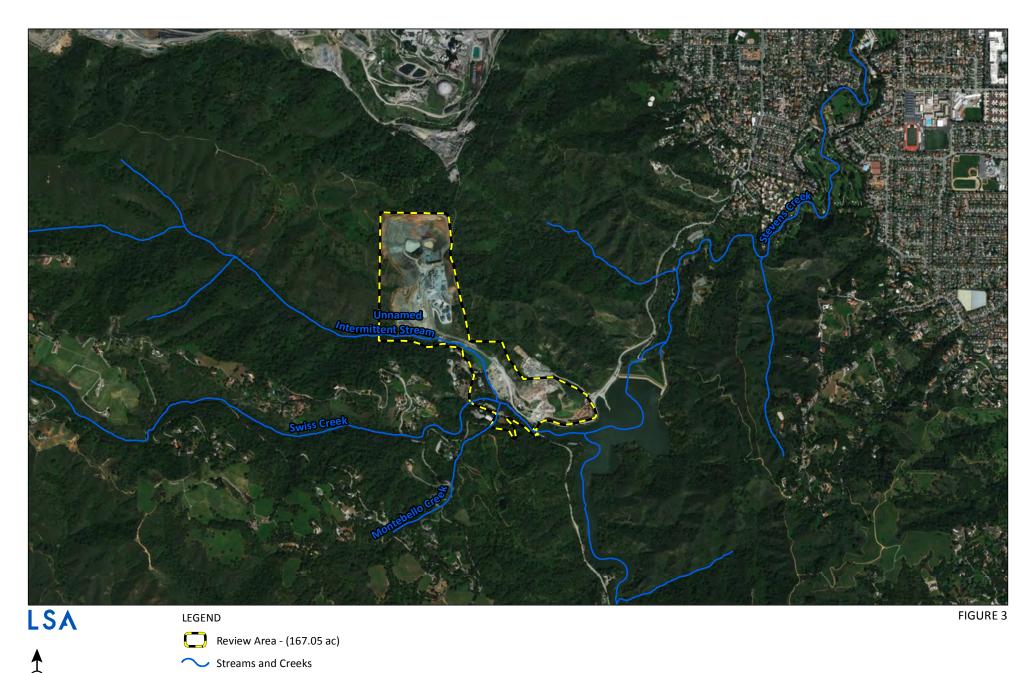
The climate in the review area is strongly affected by coastal influences. The average total annual precipitation is approximately 6.28 inches (Western Regional Climate Center, 2017), most of which falls between November and April. There is normally less than 0.01 inch of rain between June and September. The average winter temperature is 54 degrees Fahrenheit (°F) and the average winter low temperature is 40°F. The average summer temperature is 64.7°F and the average summer high temperature is 77°F.

2.2 HYDROLOGY

Hydrology on the western side of the Coast range generally flows directly into the Pacific Ocean, while flows on the eastern side of the Coast Range generally drain into San Francisco Bay. Within the regional watershed a collection of tributaries collect runoff from adjacent slopes and flow north, northeast into San Francisco Bay. Three tributaries provide the majority of flows within the review area: an unnamed intermittent stream, Swiss Creek, and Montebello Creek (Figure 3). The unnamed intermittent stream originates northwest of the review area and flows to the southeast, draining into Swiss Creek. Swiss Creek originates west of the review area and flows generally east, draining into Steven's Creek Reservoir located approximately 100 ft east of the review area. Montebello Creek originates south of the review area and flows north draining into Swiss Creek. A variety of intermittent and ephemeral drainages are also present in the review area and drain runoff from ravines and other landforms into the watershed. Water from Steven's Creek Reservoir supplies Steven's Creek, which flows generally north for approximately 10.75 mi and drains into San Francisco Bay.

Historic aerial photos (the earliest of which is from 1948) substantiate the predominant flow patterns in the review area from west to southeast for the unnamed intermittent stream, from west to east-southeast for Swiss Creek, and from south to north for Montebello Creek (www.historicaerials.com/viewer). Subsequent photos (1953, 1956, and 1960) show the beginnings of the mining operation and the installation of several settling ponds in the unnamed intermittent stream. Aerial photos after 1960 show further development of the settling ponds and expansion of the mining operation up to present day. Flows in Swiss Creek and Montebello Creek have not been significantly altered as a result of mining operations.





Steven's Creek Quarry Santa Clara County, California LSA Project No. MIT1701 Regional Watershed

SOURCE: NAIP Aerial Imagery (5/2016) I:\MIT1701\GIS\Reports\JD\Fig3_Watershed.mxd (3/21/2018)

2000

FEET



2.3 SOILS

The review area contains the following soil types shown in Table 1 (also shown in Figure 4):

Map Unit	Soil Series	Location	Drainage Class	Source	Temperature	Geographic Association
115	Pits, mine	-	-	-	-	-
321	Merbeth-Literr complex, 30 to 65 percent slopes	Hills of dissected terraces	Well-drained	Alluvium from mixed rock sources	60 to 62ºF	Literr soils (mollic epipedons)
520	Mouser- Maymen complex, 30 to 75 percent slopes	Summits and side slopes of mountains and hills	Well-drained	Residuum weathered from sandstone, mudstone, and greenstone	57ºF	Maymen soils (shallow, somewhat excessively drained, found on mountains)
569	Katykat- Sanikara complex, 8 to 30 percent slopes	Side slopes and summits of mountains and foothills	Well-drained	Residuum weathered from sandstone and mudstone of the Franciscan formation	57ºF	Sanikara soils (shallow to a lithic contact)
570	Footpath- Mouser complex, 50 to 75 percent slopes	Hills, mountain slopes, and summits	Well-drained	Residuum weathered from greenstone	55 to 59ºF	Mouser soils (deep and very deep)
576	Sanikara- Footpath complex, 30 to 75 percent slopes	Hills, mountain slopes, and summits	Well-drained	Residuum weathered from sandstone and greenstone	57≌F	Footpath soils (moderately deep to a paralithic contact)

Table 1: NRCS Soil Types in the Review Area

Further description of the soil types in the review area is provided below. None of the soil types in the review area are considered hydric soils (NRCS Soil Survey Santa Clara Area, California, Western Part).

2.3.1 Pits, mine

These areas are characterized by mining activities which have disturbed and/or removed the soil.

2.3.2 Merbeth-Literr complex, 30 to 65 percent slopes

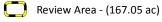
The Merbeth-series soil consists of very deep, well-drained soils formed in old alluvium from mixed rock sources. These soils are on hills of dissected terraces. Soil temperatures range from 60 to 62°F and are dry from about June 15 to October 15 (about 120 days). This series is geographically associated with Literr soils, which have mollic epipedons.





FEET





NRCS Soil Classification

- 115 Pits, mine
- 321 Merbeth-Literr complex, 30 to 65 percent slopes

 FEET
 520 - Mouser-Maymen complex, 30 to 75 percent slopes

 SOURCE: Basemap - NAIP Aerial Imagery (5/2016); Mapping - NRCS Soil Survey of Western Santa Clara County (2009)

569 - Katykat-Sanikara complex, 8 to 30 percent slopes 570 - Footpath-Mouser complex, 50 to 75 percent slopes 576 - Sanikara-Footpath complex, 30 to 75 percent slopes 🧭 W - Water

Steven's Creek Quarry Santa Clara County, California LSA Project No. MIT1701 **NRCS Soil Classifications**

FIGURE 4

I:\MIT1701\GIS\Reports\JD\Fig4_Soils.mxd (3/21/2018)

2.3.3 Mouser-Maymen complex, 30 to 75 percent slopes

The Mouser-series soils consist of deep and very deep, well-drained soils that formed in residuum weathered from sandstone, mudstone, and greenstone. They are on summits and side slopes of mountains and hills. Mean annual temperature is about 57°F and are usually moist in between November and May, and have a xeric moisture regime. This series is geographically associated with Maymen soils, which are shallow, somewhat excessively drained soils found on mountains.

2.3.4 Katykat-Sanikara complex, 8 to 30 percent slopes

The Katykat series soils formed in residuum weathered from sandstone and mudstone of the Franciscan formation and are found on side slopes and summits of mountains and foothills. They are geographically associated with Sanikara soils, which are shallow to a lithic contact. The climate is subhumid, mesothermal with warm dry summers and cool moist winters. These soils are well drained, moderately permeable, with medium to rapid runoff. The mean annual soil temperature is about 57°F.

2.3.5 Footpath-Mouser complex, 50 to 75 percent slopes

The Footpath-series soils consist of moderately deep to a paralithic contact, well drained soils that formed in residuum weathered from greenstone. These soils are found on hills, mountain slopes, and summits. The climate is subhumid, mesothermal with warm, dry summers and cool moist winters. Mean annual soil temperatures range from 55 to 59°F. This series is geographically associated with Mouser soils, which are deep and very deep soils.

2.3.6 Sanikara-Footpath complex, 30 to 75 percent slopes

The Sanikara-series soil consists of very shallow and shallow to lithic contact, well-drained soils formed in residuum weathered from sandstone and greenstone. They are on hills, mountain slopes, and summits. The mean annual temperature is about 57°F. This series is geographically associated with Footpath soils, which are moderately deep to a paralithic contact.

2.4 PLANT COMMUNITIES / LAND USES

Vegetation communities observed in the review area were classified based on descriptions in "*A Manual of California Vegetation: Second Edition*" by Sawyer, Keeler-Wolf, and Evans (2008). A total of six natural plant communities were identified, comprising approximately 61.21 ac of the 167.05 ac review area. These natural communities include annual grassland, California bay forest, oak woodland, chaparral, cattail marsh, and open water. The remaining 105.84 ac are devoted to developed land uses (Figure 5). Plant communities and land uses are described below and summarized in Table 2.



I:\MIT1701\GIS\Reports\JD\Fig5_Habitats.mxd (3/21/2018)

Туре	Total
Plant Communities	
Annual Grassland	4.59
California Bay Forest	15.20
Oak Woodland	6.20
Chaparral	29.26
Cattail Marsh	0.27
Open Water	5.69
Plant Communities Subtotal	61.21
Land Uses	
Developed	105.84
Land Uses Subtotal	105.84
Total	167.05

Table 2: Summary of Plant Communities/Land Uses in the Review Area (acres)

2.4.1 Annual Grasslands

Within the review area, the annual grassland community is dominated by foxtail chess (*Bromus madritensis*) with wild oats (*Avena fatua*), grassy tarweed (*Madia gracilis*), yellow starthistle (*Centaurea solstitialis*) and many other grasses and herbs present in smaller numbers. Small areas of ruderal vegetation and barren or disturbed areas are included in this category. This community is located in highly disturbed or managed areas within the review area. Annual grasslands within the review area total 4.59 ac.

2.4.2 California Bay Forest

The California bay forest community is dominated by California bay (*Umbellularia californica*) intermixed with big-leaf maple (*Acer macrophyllum*), coast live oak (*Quercus agrifolia*), and western sycamore (*Platanus racemosa*). Understory is typically composed of California wood fern (*Dryopteris arguta*), California blackberry (*Rubus ursinus*), and poison oak (*Toxicodendron diversilobum*). This community is primarily located on north and east facing slopes in the southern half of the review area, typically around ponds and creeks. California Bay Forest in the review area totals 15.20 ac.

2.4.3 Oak Woodlands

The oak woodland community is dominated by Coast live oak, blue oak (*Quercus douglasii*), and leatheroak (*Quercus durata*) with an understory of annual grasses, black mustard (*Brassica nigra*), and/or poison oak. This community is typically located on ridgetops or the upper portions of steep slopes within the review area. Oak woodlands within the review area total 6.20 ac.

2.4.4 Chaparral

The chaparral community is co-dominated by California sagebrush (*Artemisia californica*) and coyote brush (*Baccharis pilularis*). Poison oak and foxtail chess are also present in smaller numbers. This community is primarily located on steep south and west facing slopes and is the most common natural community in the review area. Chaparral within the review area totals 29.26 ac.

2.4.5 Cattail Marsh

This cattail marsh community is dominated by cattail species (*Typha sp.*), but narrow-leaved willow saplings (*Salix exigua*) and rabbitsfoot grass (*Polypogon monspeliensis*) are also present. Cattail marsh occurs along the north and west edges of the westernmost pond in the review area. A recent landslide has covered much of this community with a large amount of sediment which has temporarily obscured or denuded the area of vegetation. However, cattails are expected to naturally reestablish. The landslide occurred in a densely vegetated canyon unaffected by mining activities near the western edge of the review area, and is a common natural occurrence in terrain with such steep topography. The affected area begins approximately 150 ft upslope of the cattail marsh community and covers an area approximately 20 to 40 ft wide. Natural hydrological processes have dispersed sediments within the intermittent stream channel to obscure natural vegetation. Cattail marsh within the review area totals 0.27 ac.

2.4.6 Open Water

Aquatic open water features within the review area include a series of ponds following the historic path of the unnamed intermittent stream, starting in the west and extending generally southeast through the review area. A total of seven man-made ponds, which are used as settling ponds for the mining operation, occur along this drainage. Based on aerial photo review and the subsequent site visit all of the subject ponds have been located at the site for years and in most cases for decades. These features are typically inundated year-round, are highly disturbed due to dredging activities, and associated vegetation is maintained with herbicide applications. Open water within the review area totals 5.69 ac.

2.4.7 Developed Areas

Developed areas include the mining pits, equipment storage areas, office complex, and roads. Developed lands within the review area total 105.84 ac.



3.0 REGULATORY BACKGROUND

The discharge of dredged or fill material into streams, lakes, and other bodies of water, including wetlands, are often regulated by the USACE under Section 404 of the CWA. The USACE also regulates activities in navigable waters under Section 10 of the Rivers and Harbors Act. The basis of USACE jurisdiction over various waters is described in the following sections.

3.1 SECTION 404

Under Section 404 of the CWA, the USACE regulates the discharge of dredged or fill material into waters of the U.S., including wetlands.

3.1.1 Definition of Waters of the U.S.

In the USACE/EPA CWA regulation (33 CFR 328.3(a)), the term "waters of the U.S." is defined as follows:

- 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 which are subject to the ebb and flow of the tide;
- 2. All interstate waters including interstate wetlands;
- 3. All other waters such as interstate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters: (i) Which are or could be used by interstate or foreign travelers for recreational or other purposes; or (ii) From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or (iii) 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. under the definition;
- 5. Tributaries of waters identified in paragraphs (1)-(4) of this section;
- 6. The territorial seas;
- 7. Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (1)-(6) of this section.

Based on this definition, the USACE will assert jurisdiction over the following waters as outlined in the Jurisdictional Determination Form Instructional Guidebook (May 2007):

- 1. Traditional Navigable Waters (TNW) and adjacent wetlands.
- 2. Relatively Permanent Waters (RPW) that flow directly or indirectly into TNW.
- 3. Non-Relatively Permanent Waters (Non-RPW) that flow directly or indirectly into TNW (with significant nexus determination).
- 4. Wetlands directly abutting an RPW that flows directly or indirectly into a TNW.





- 5. Wetlands adjacent to by not directly abutting an RPW that flows directly or indirectly into a TNW (with significant nexus determination).
- 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into a TNW (with significant nexus determination). A significant nexus evaluation includes:
 - a. An assessment of the flow characteristics and functions of the tributary, itself, in combination with the functions performed by any wetlands adjacent to the tributary to determine if they have more than an insubstantial or speculative effect on the chemical, physical, and/or biological integrity of TNWs.
 - b. A consideration of hydrologic factors such as volume, duration, and frequency of flow, including consideration of certain physical characteristics of the tributary; proximity to the TNW; size of the watershed; average annual rainfall; and average annual winter snow pack.
 - c. A consideration of ecologic factors such as the ability of the tributary and its adjacent wetlands (if any) to carry pollutants and flood waters to TNWs; the ability of the tributary and its adjacent wetlands (if any) to provide aquatic habitat that supports biota of a TNW; the ability for adjacent wetlands to trap and filter pollutants or store flood waters; and the ability to maintain water quality.

3.1.2 Wetlands

The USACE and EPA defines wetlands as follows:

"Those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted to life in saturated soil conditions."

In order to satisfy the USACE wetland definition, an area must possess three wetland characteristics: hydrophytic vegetation, hydric soils, and wetland hydrology. Each characteristic has a specific definition and criteria that must be satisfied in order for that particular wetland characteristic to be met. Several parameters (indicators) may be analyzed to determine whether the criteria are satisfied. Conversely, if an area lacks one of the three characteristics under normal circumstances, the area is non-wetland.

3.1.3 Non-Wetland Waters

Non-wetland waters essentially include any body of water, not otherwise exempted, that displays an ordinary high water mark (OHWM).

3.1.4 Isolated Waters

As discussed above, USACE regulatory jurisdiction under Section 404 is founded on the connection between a water body and a TNW. This connection may be direct, through a tributary system linking a stream channel with a TNW, or may be indirect, through a nexus identified in the USACE regulations.

3.1.5 Man-Made Waters

The preamble to USACE regulations (Preamble Section 328.3 Definitions) states that the USACE does not generally consider the following waters to be waters of the U.S. The USACE does, however, reserve the right to regulate these waters on a case-by-case basis.

- Non-tidal drainage and irrigation ditches excavated on dry land.
- Artificially irrigated areas that would revert to upland if the irrigation ceased.
- Artificial lakes or ponds created by excavating and/or diking dry land to collect and retain water and which are used exclusively for such purposes as stock watering, irrigation, settling basins, or rice growing.
- Artificial reflecting or swimming pools or other small ornamental bodies of water created by excavating and/or diking dry land to retain water for primarily aesthetic reasons.
- Water filled depressions created in dry land incidental to construction activity and pits excavated in dry land for purposes of obtaining fill, sand or gravel unless and until the construction or excavation operation is abandoned and the resulting body of water meets the definition of waters of the U.S.



4.0 METHODS

A delineation of all aquatic features in the review area was conducted on October 13, 2017, by LSA biologists Mike Trueblood and Anna Van Zuuk. Current and historical photos were also reviewed prior to the field investigation. Although the review area is substantially larger than 5 acres, based on the initial aerial photo review, the location and density of the potential aquatic features on the Project Site did not warrant methodologies for "large areas" which consist of extensive transect data.

All aquatic features in the review area were delineated in accordance with the 1987 Corps of Engineers Wetlands Delineation Manual and the 2008 Regional Supplement – Arid West Region. A total of 22 formal observation points were described in the field. At each point, a pit was dug and soils and hydrology examined; vegetation was also characterized at each data point. Copies of the field data forms are attached (Appendix A).

Aquatic features were located in the field using a GPS unit with sub-meter accuracy. All data was entered into a GIS database to calculate the extent of the mapped features in the review area and to produce the final mapping. Final mapping was completed using color aerial photos, dated May 2016, at a scale of 1 inch = 200 ft.



5.0 DELINEATION RESULTS

A total of 6.94 ac of potential jurisdictional waters were mapped in the review area, consisting of approximately 0.36 ac of potential wetlands and 6.58 ac of non-wetland waters. Areas potentially meeting USACE criteria for wetlands in the review area include four adjacent wetlands: three along the margins of the settling ponds and one along Montebello Creek and an isolated wetland at the edge of the equipment staging area. Potential non-wetland waters in the review area include: seven settling ponds, the channels of three natural drainages, and three manipulated drainages. Potential jurisdictional waters are shown in Figure 6 and summarized in Table 3. Representative photos are also provided in Appendix C.

Туре	Total
Wetlands	
Settling Ponds	0.32
Natural Drainages	0.01
Isolated Depression	0.03
Wetlands Subtotal	0.36
Non-Wetland Waters	
Settling Ponds	5.92
Natural Drainages	0.59
Manipulated Drainages	0.07
Non-Wetland Waters Subtotal	6.58
Total	6.94

Table 3: Summary of Potential Jurisdictional Waters in the Review Area (acres)

A comprehensive discussion of the delineation results is provided below. Potential wetlands in the review area are characterized by data points 4, 4a, 5 - 8, and 10. Wetland data forms are provided in Appendix A.

Areas that were sampled and determined to be non-wetland waters include the settling ponds, the channels of the natural drainages, and the manipulated drainages. These features were characterized by data points 1, 1a, 2, 2a, 3, 3a, 4b, 4c, 5a – 8a, 9, 9a, 10a, and 11.







5.1 SETTLING PONDS

A total of seven settling ponds occur within the review area. Four of these are located in a linear direction southeast of the main quarry operation. These four ponds are manmade and are impoundments of water originating in the unnamed intermittent stream and empty into Swiss Creek to the southeast. The three remaining settling ponds are located around the quarry office, parking area, and quarry road. These ponds are manmade features that collect runoff from slopes and developed areas during storm events.

A landslide occurred on the slopes above the western-most settling pond in the winter of 2016, eliminating or obscuring natural vegetation and soil conditions and depositing a thick layer of sediment. For areas affected by this natural disturbance, consistent with problematic vegetation and soil conditions observed at data points 3, 3a, 4a, and 4c, the data points were considered to be within a wetland only if they exhibited two of the three wetland indicators – hydrophytic vegetation, hydric soil, and/or hydrology. Where applicable, vegetation was extrapolated from nearby, undisturbed vegetation as well as identification of seedlings colonizing the disturbed soil. This is consistent with the 2008 Regional Supplement – Arid West Region guideline for problematic vegetation vegetation and problematic hydric soils.

The settling ponds in the review area contained areas of wetlands and non-wetland waters.

5.1.1 Vegetation

Data collection points 4, 4a, 5, 6, and 7 were taken on the margins of settling ponds within the review area. The margins were dominated by a variety of hydrophytic vegetation including cattails – OBL, broadleaf cattail (*Typha latifolia*) – OBL, California bay – FAC, Goodding's black willow (*Salix gooddingii*) – FACW, and tall flatsedge (*Cyperus eragrostis*) – FACW. Other hydrophytic vegetation present but not dominant included willows (*Salix sp.*) – FACW, cottonbatting plant (*Pseudognaphalium stramineum*) – FAC, canarygrass (*Phalaris sp.*) – FAC, fringed willowherb (*Epilobium ciliatum*) – FACW, rabbitsfoot grass – FACW, curly dock (*Rumex crispus*) – FAC, and common knotweed (*Persicaria lapathifolia*) – FACW. Since the margins of the settling ponds supported a variety of dominant hydrophytic species according to the USACE, the vegetation criterion for wetlands was met.

5.1.2 Soils

Indicators for hydric soils were observed at data points 4, 4a, 5, 6, and 7. Data point 4 consisted of a layer with a Munsell moist color of 5GY 1/4 to 2 inches, followed by a layer of coarse sand of indeterminate color to 11 inches. Data point 4a contained two layers of coarse sand, 1 to 3 inches with a Munsell moist color of 10YR 3/4 and a subsequent layer to 6 inches with a Munsell moist color of 10YR 3/2, followed by a layer of gleyed soil with a Munsell moist color of 10Y 2.5/1 to 14 inches. Data point 5 of a layer with a Munsell moist color of 10G 4/1 to 4 inches, followed by a layer of coarse sand with a Munsell moist color of 10YR 3/4, a layer with a Munsell moist color of 5Y 3/2 to 5 inches, and a layer to 12 inches with a Munsell moist color of 5BG 4/1. Data point 7 consisted of a layer to 14 inches with a Munsell moist color of 10Y 3/1. Data points 4a, 5, and 7 meet the requirements of the Sandy Gleyed Matrix indicator for hydric soils while data points 4 and 6 meet

the requirements of the Loamy Gleyed Matrix indicator for hydric soils. These soils meet the USACE hydric soils criterion for wetlands.

5.1.3 Hydrology

Hydrology indicators identified included saturation, high water table, surface soil cracks, and waterstained leaves, which are primary indicators for hydrology and thus meet the minimum USACE criterion for wetlands.

5.1.4 Paired Upland Data Points

Corresponding upland data points were taken to help determine the upland/wetland boundary (data points 4b, 4c, 5a, 6a, and 7a). Typical conditions observed included vegetation consisting of poison oak – FACU, foxtail chess – UPL, and coyote brush – UPL; soil profiles with a Munsell Moist color in the matrix of 10YR or 2.5Y; and lack of any hydrology indicators.

5.2 NATURAL DRAINAGES

Two creeks and one stream occur within the review area: Swiss Creek, Montebello Creek, and an unnamed intermittent stream. For purposes of this report, creeks and streams are defined as naturally occurring drainage features that convey intermittent flows. Swiss Creek originates west of the review area and enters the review area through a culvert under a private driveway. Montebello Creek originates south of the review area and enters the review area under Montebello Road though a culvert, flowing north until it joins Swiss Creek. The unnamed intermittent stream originates northwest of the review area and enters the review area along the western edge. This stream flows southeast and joins Swiss Creek in the southern portion of the review area.

Natural drainages within the review area were extremely rocky and largely unvegetated. Data points 1, 2, 9, and 10 were considered to be within a wetland only if they exhibited two of the three wetland indicators – hydrophytic vegetation, hydric soil, and/or hydrology. Where applicable, points were located in areas with vegetation present and soils loose enough to dig a pit. This is consistent with the 2008 Regional Supplement – Arid West Region guidelines for problematic vegetation and problematic hydric soils. If a point was determined to be a non-wetland point, the area was considered to be non-wetland waters due to the presence of an OHWM. Please refer to representative photos in Appendix C.

The natural drainages in the review area contained areas of wetlands and non-wetland waters.

5.2.1 Vegetation

Data collection points 1, 2, 9, and 10 were taken on the margins of an unnamed intermittent stream, Swiss Creek, and Montebello Creek, respectively, within the review area. These areas were dominated by a variety of hydrophytic vegetation, including California bay – FAC, California blackberry (*Rubus ursinus*) – FAC, and watercress (*Nasturtium officinale*) – OBL. Other hydrophytic vegetation observed included California spikenard (*Aralia californica*) – FACW, California wood fern (*Dryopteris arguta*) – FACW, (*Adiantum jordanii*) – FAC, big leaf maple (*Acer macrophyllum*), shortspike hedgenettle (*Stachys pycnantha*) – FACW, bog yellowcress (*Rorippa palustris*) – OBL, rabbitsfoot grass – FACW and common knotweed – FACW. Since the margins of the natural



drainages contain a variety of hydrophytic species according to the USACE, the vegetation criterion for wetlands was met.

5.2.2 Soils

Indicators for hydric soils were observed at data point 10. Data point 10 consisted of a layer of coarse sand to 6 inches with a Munsell moist color of 2.5Y 3/3, after which a restrictive layer of ricer rock was encountered. Presence of a restrictive layer meets the USACE hydric soils criterion for wetlands.

Data points 1, 2, and 9 consisted of a layer to 12, 14, and 11 inches, respectively, of unstratified sand mixed with large cobbles. For points 1 and 9 color was indeterminate, however data point 2 had a Munsell moist color of 10YR 3/4. These soils do not meet the USACE hydric soils criterion for wetlands.

5.2.3 Hydrology

Hydrology indicators identified included surface water, high water table, and water-stained leaves, which are primary indicators for hydrology, as well as drift deposits (riverine), which is a secondary indicator for hydrology and thus meets the minimum USACE hydrology criterion for wetlands.

5.2.4 Paired Upland Data Points

Corresponding upland data points were taken to help determine the upland/wetland boundary (data points 1a, 2a, 9a, and 10a). Typical vegetation included California bay – FAC, poison oak – FACU, Torrey's melic (*Melica torreyana*) – UPL, foxtail chess – UPL, and Pink honeysuckle (*Lonicera hispidula*) – FACU. Sandy loam soils with a Munsell Moist color of 10YR 2/2 or 10YR with a value of 3 and lack of any hydrology indicators were also common.

5.3 MANIPULATED DRAINAGES

Manipulated drainages occur within the review area, consisting of intermittent and ephemeral drainages; both of these drainage types flow seasonally. Intermittent drainages are supported by water from quarry operations and generally convey flows throughout the rainy season into the summer months. Ephemeral drainages only convey flows during and shortly after rain events.

The first intermittent drainage is a concrete spillway that drains water from the largest settling pond into Swiss Creek. The second intermittent drainage is a short rock wash that drains water from the settling ponds by the mining office into Swiss Creek. No data points were included for these features in this category since topography was too steep to allow access. The ephemeral ditch is a concretelined drainage on the northeastern edge of the complex parking/storage area, which drains a natural ravine into a culvert that empties into a settling pond.

The intermittent and ephemeral drainages in the review area contained only non-wetland waters. Determinations of jurisdiction for these features are based on the presence of an OHWM. This is consistent with the 2008 Regional Supplement – Arid West Region guidelines for problematic vegetation and problematic hydric soils.

5.3.1 Vegetation

Data collection point 11 was taken within the channel of an ephemeral drainage within the review area. This feature was dominated by coyote brush – UPL and foxtail chess – UPL. Since no hydrophytic species were observed, this feature does not meet the vegetation criterion for wetlands.

5.3.2 Soils

Soils were not evaluated since the channel of this feature is lined with concrete. Therefore, soils were not used in the wetland determination. This is consistent with the 2008 Regional Supplement – Arid West Region guidelines for problematic soils.

5.3.3 Hydrology

No hydrology indicators were identified; therefore this feature does not meet the hydrology criterion for wetlands.

5.4 ISOLATED DEPRESSION

The isolated depression is a shallow basin located southeast of the largest settling pond in the center of the review area. This feature is surrounded by gravel roads used by the quarry operation and is in the process of being filled. The isolated depression in the review area contained only wetlands.

5.4.1 Vegetation

Data collection point 8 was taken on the margins of and isolated depressional feature within the review area. This depression was dominated by broadleaf cattail – OBL, with other hydrophytic vegetation such as fringed willowherb – FACW, curly dock – FAC, tall flatsedge – FACW, and tule (*Schoenoplectus acutus* var. *occidentalis*) – OBL. Since this isolated wetland contains a variety of hydrophytic species according to the USACE, the vegetation criterion for wetlands was met.

5.4.2 Soils

Soils observed at data point 8 consisted of a layer with a Munsell moist color of 2.5Y 3/1 to 14 inches, which does not meet the requirements of any USACE hydric soils criterion. However, this is a partially abandoned settling pond that is in the process of being filled in and regraded, therefore the presence of hydric soils can be inferred based on presence of hydrophytic vegetation, evidence of hydrology, and general position in the landscape. This is consistent with the 2008 Regional Supplement – Arid West Region guideline for problematic hydric soils.

5.4.3 Hydrology

Hydrology indicators identified included high water table and saturation, which are primary indicators for hydrology and thus meet the minimum USACE criterion for wetlands.



5.4.4 Paired Upland Data Points

A corresponding upland data point was taken to help determine the upland/wetland boundary (data points 8a). Vegetation included sharp point fluellin (*Kickxia elatine*) – UPL, foxtail chess – UPL, grassy tarweed – UPL, black mustard – UPL, and Italian thistle (*Carduus pycnocephalus*) – UPL. Soils consisted of a sandy clay with a Munsell Moist color of 2.5Y 3/2 and lacked hydrology indicators.

6.0 SECTION 404 JURISDICTIONAL DETERMINATION

A total of 6.59 ac are considered waters of the U.S. and under the CWA, consisting of four settling ponds and adjacent wetlands, three natural drainage features, and two manipulated drainages. A total of 0.35 ac were determined not to be subject to regulation under Section 404 of the CWA, consisting of one isolated depression, three settling ponds, and one manipulated drainage. A detailed summary of Section 404 and non-Section 404 waters is provided in Table 4 below and shown in Figures 7 and 8.

Туре	Section 404 Waters	Non-Section 404 Waters	Total
Wetlands			
Settling Ponds	0.32	0.00	0.32
Natural Drainages	0.01	0.00	0.01
Isolated Depression	0.00	0.03	0.03
Wetlands Subtotal	0.33	0.03	0.36
Non-Wetland Waters			
Settling Ponds	5.65	0.27	5.92
Natural Drainages	0.59	0.00	0.59
Manipulated Drainages	0.02	0.05	0.07
Non-Wetland Waters Subtotal	6.26	0.32	6.58
Total	6.59	0.03	6.94

Table 4: Detailed Summary of Section 404 Waters and Non-Section 404 Waters in theReview Area (acres)

Also refer to the Approved Jurisdictional Delineation (JD) Form (Appendix B) and representative photos (Appendix C).

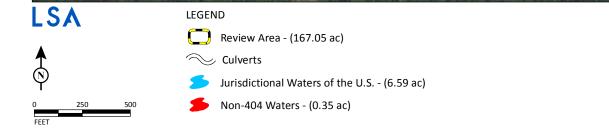
6.1 SETTLING PONDS

There are seven settling ponds within the review area, four of which were determined to be tributary waters. The first settling pond, RPW-1, is the northern and western-most pond. Successive ponds (RPW-2, RPW-3, and RPW-4) occur one after the other southeast of RPW-1. All four ponds are connected through a series of culverts before emptying into a concrete spillway that conveys waters into Swiss Creek, an intermittent creek tributary to Stevens Creek Reservoir, which is a TNW.



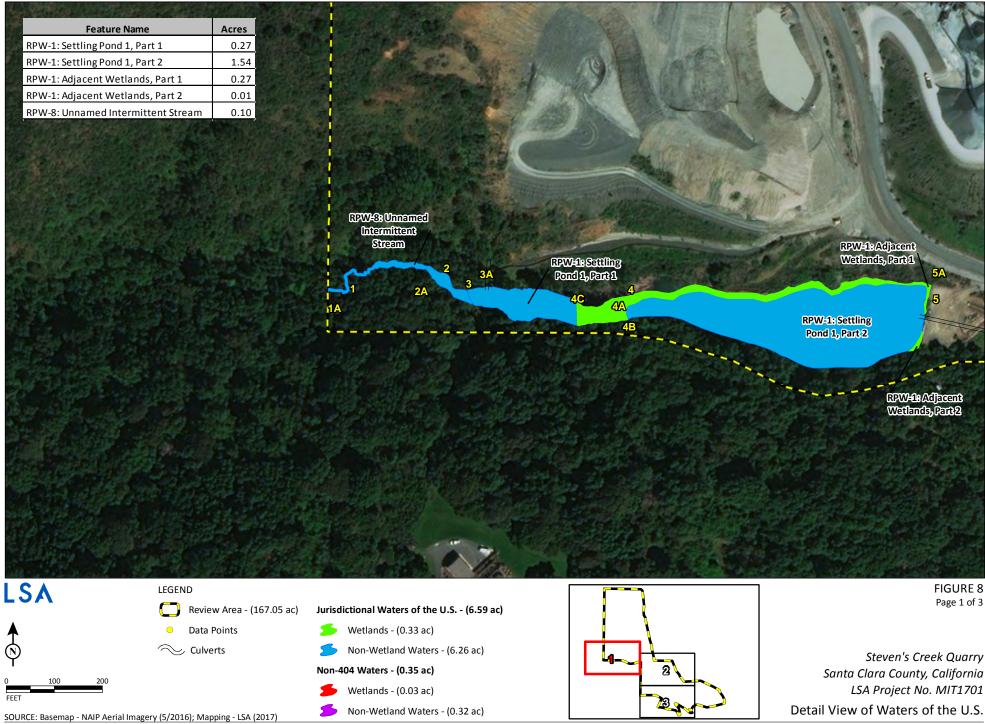
This page intentionally left blank



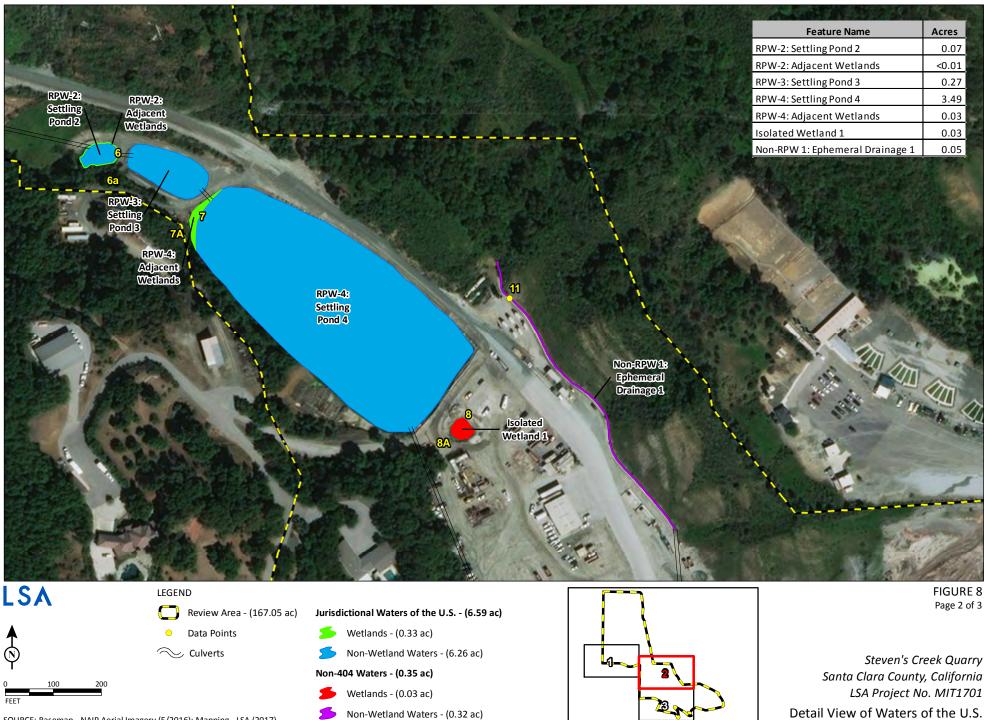


SOURCE: Basemap - NAIP Aerial Imagery (5/2016); Mapping - LSA (2017) I:\MIT1701\GIS\Reports\JD\Fig7_Wtrs_overview.mxd (3/16/2018) Steven's Creek Quarry Santa Clara County, California LSA Project No. MIT1701 Overview of Waters of the U.S.

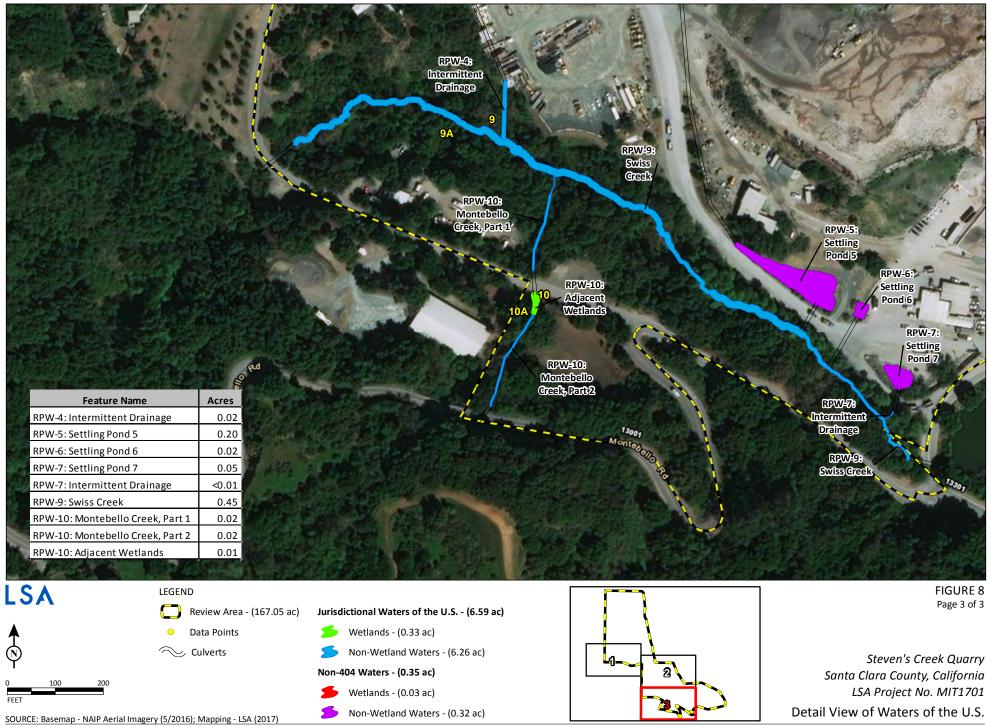
FIGURE 7



I:\MIT1701\GIS\Reports\JD\Fig8_Approved_delin.mxd (3/21/2018)



SOURCE: Basemap - NAIP Aerial Imagery (5/2016); Mapping - LSA (2017) I:\MIT1701\GIS\Reports\JD\Fig8_Approved_delin.mxd (3/21/2018)



I:\MIT1701\GIS\Reports\JD\Fig8_Approved_delin.mxd (3/21/2018)

Therefore, these settling ponds were determined to be waters of the U.S., and subject to USACE regulation under Section 404 of the CWA.

Wetlands adjacent to RPW-1, RPW-2, and RPW-4 directly abut waters which flow indirectly into a TNW, and are therefore determined to be waters of the U.S. and subject to USACE regulation under Section 404 of the CWA.

The remaining three settling ponds (RPW-5, RPW-6, and RPW-7) occur west and south of the quarry office complex, in the southern portion of the review area. RPW-5 is separated into several small basins by berms, which overflow into each other during high flow events. The lowest basin drains through a culvert into Swiss Creek only during extraordinary flood years. RPW-6 and RPW-7 are small, isolated ponds that collected runoff from the roads and office parking area during storm events. These features also drain through culverts into Swiss Creek during extraordinary flood years Based on the lack of normal connectivity to a TNW these features do not demonstrate a significant nexus and are not considered waters of the U.S., and therefore would not be regulated under Section 404 of the CWA.

6.2 NATURAL DRAINAGES

One unnamed intermittent stream and two creeks are present in the review area. The unnamed intermittent stream (RPW-8) enters the review area on the western edge and conveys seasonal flows into RPW-1. Since RPW-8 flows indirectly into a TNW it is therefore determined to be waters of the U.S., and subject to USACE regulation under Section 404 of the CWA.

Swiss Creek (RPW-9) flows from the southwest edge of the review area to the southeast, draining into Steven's Creek Reservoir. This creek flows continuously except in drought years, and is directly tributary to a TNW. Therefore RPW-9 is determined to be waters of the U.S. and subject to USACE regulation under Section 404 of the CWA.

Montebello Creek (RPW-10) conveys continuous flows to the north, draining into RPW-9 which in turn drains into Stevens Creek Reservoir. Since RPW-10 is a secondary tributary to a TNW it is therefore determined to be waters of the U.S. and subject to USACE regulation under Section 404 of the CWA.

Wetlands adjacent to RPW-10 directly abut waters which flow indirectly into a TNW, and are therefore determined to be waters of the U.S. and subject to USACE regulation under Section 404 of the CWA.

6.3 MANIPULATED DRAINAGES

There are two intermittent drainages and one ephemeral drainage within the review area. The ephemeral drainage (Non-RPW 1) is a concrete-lined drainage on the northeastern edge of the complex parking/storage area, which drains a natural ravine into a culvert that empties into a RPW-5. Since water from Non-RPW 1 fails to demonstrate normal connectivity to a TNW, it is therefore does not demonstrate a significant nexus and would not be subject to USACE regulation under Section 404 of the CWA.



The first intermittent drainage is a concrete spillway that drains water from RPW-4 into RPW-9. The second intermittent drainage is a short rock wash that drains water from RPW-7 into RPW-9. These features convey water seasonally, indirectly into a TNW. Therefore both intermittent drainages are determined to be waters of the U.S. and subject to USACE regulation under Section 404 of the CWA.

6.4 ISOLATED DEPRESSION

The isolated depression south of RPW-4 does not flow or have connection to any other waters within the review area and is in the process of being filled. Based on the lack of connectivity to a TNW this feature does not demonstrate a significant nexus and is not considered waters of the U.S., and would not be regulated under Section 404 of the CWA.

7.0 CONCLUSION

A total of 6.94 ac of wetlands and non-wetland waters were mapped in the review area, of which 6.59 ac were determined to be Section 404 waters, and 0.35 ac were determined to be non-Section 404 waters. This information is summarized below in Table 5.

Table 5: Summary of Waters of the U.S. in the Review Area (acres)

Туре	Section 404 Waters	Non-Section 404 Waters	Total
Wetlands	0.33	0.03	0.36
Non-Wetland Waters	6.26	0.32	6.58
Total	6.59	0.35	6.94



This page intentionally left blank



APPENDIX A WETLAND DATA FORMS

WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: STEVEN'S CREEK QUARRY	City/County: CUPERTINO	Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	State:	Sampling Point: 1
Investigator(s): A.VAN ZUUK, M. TRUEBLOOD	Section, Township, Range:	natanan manana ana a
Landform (hillslope, terrace, etc.):		
Subregion (LRR): L	Lat: Long:	Datum:
Soil Map Unit Name:	NWI cla	assification:
Are climatic / hydrologic conditions on the site typical for this tin Are Vegetation, Soil, or Hydrology signi Are Vegetation, Soil, or Hydrology natu SUMMARY OF FINDINGS - Attach site map sho	ificantly disturbed? Are "Normal Circumstan rally problematic? (If heeded, explain any a	ces" present? Yes No nswers in Remarks.)
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	Is the Sampled Area	No
Remarks:		

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover		ant Indicator s? Status	Dominance Test worksheet:
	85		_	Number of Dominant Species That Are OBL, FACW, or FAC: 2(A)
2				
3		·		Total Number of Dominant Species Across All Strata: <u>3</u> (B)
4.			-	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)	85	= Total (Cover	That Are OBL, FACW, or FAC: <u>67</u> (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of; Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5.				FAC species x 3 =
		= Total C	Cover	FACU species x 4 =
Herb Stratum (Plot size:)				UPL species x 5 =
1. RUBUS URSINUS		<u> </u>	FAC	Column Totals: (A) (B)
2. TOXICODENDRON DIVERSILOBUM	22	<u> Y </u>	FACU	
3. ARALIA CALIFORNICA	15	N	FACW	Prevalence Index = B/A =
4. SYMPHORICARPOS MOLLIS	7	N	FACU	Hydrophytic Vegetation Indicators:
5. DRYOPTERIS ARGUTA	5	N	FACW	_ ✓ Dominance Test is >50%
6. ADIANTUM JORDANIN	1	N	FAL	Prevalence Index is ≤3.0 ¹
7				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8	- 49	= Total C		Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)		- Total C	over	LEAST LY STOLEN CONTRACTORS
1				¹ Indicators of hydric soil and wetland hydrology must
2.				be present, unless disturbed or problematic.
		= Total C	over	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Co	over of Biotic Cr	ust		Present? Yes V. No
Remarks:				

epth	Matrix			x Feature	S					
nches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-12"	INDETERMINATE	100		-		<u>.</u>	SAND	PROBLEMATIC		
12-14	WATER	100		_						
								<u></u>		
	ncentration, D=Deplet					d Sand Gr		ation: PL=Pore Lining, M=Matrix.		
	ndicators: (Applicab	le to all L	RRs, unless other	wise note	əd.)		Indicators	for Problematic Hydric Solls ³ :		
_ Histosof (Sandy Redo				1 cm M	luck (A9) (LRR C)		
	ipedon (A2)		Stripped Mat	trix (S6)			2 cm Muck (A10) (LRR B)			
Black His			Loamy Muck	vy Mineral	(F1)		Reduce	ed Vertic (F18)		
	n Sulfide (A4)		Loamy Gleye	ed Matrix	(F2)		Red Pa	arent Material (TF2)		
Stratified	Layers (A5) (LRR C)		Depleted Ma	itrix (F3)			Other (I	Explain in Remarks)		
-	ж (А9) (LRR D)		Redox Dark	Surface (F6)					
	Below Dark Surface (/	411)	Depleted Da	rk Surface	e (F7)					
_ Thick Dar	k Surface (A12)		Redox Depre	essions (F	[:] 8)		³ Indicators of hydrophytic vegetation and			
Sandy Mu	ucky Mineral (S1)		Vernal Pools	; (F9)				ydrology must be present,		
Sandy Gl	eyed Matrix (S4)					3		sturbed or problematic.		
strictive La	ayer (if present):	1	u dite		el.		1.176 M			
Туре:										
Depth (inch	1es):						Hydric Soil I	Present? Yes No		
marks:										
UN	STRATIFIED. ROI	us, Gre	AVEL & COARSE	E SANO	. UNAB	LE TO	DETERMINE	E COLOR. IN AN AREA		
	END) WHERE ST									

HYDROLOGY

	check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
d Observations:		
ace Water Present? Yes 🧹 N	o Depth (inches):	
er Table Present? Yes _/_ N	Depth (inches): 712	/
ration Present? Yes <u>V</u> N udes capillary fringe)	Depth (inches): Wetland	Hydrology Present? Yes No
cribe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspections), if a	/ailable:
arks:	12	
		· · · · · · · · · · · · · · · · · · ·

WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: STEVENS CREEK QUARRY	City/County: CUPERTINO	Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	State: CA	Sampling Point: 1A
Investigator(s): A. VAN ZUUK, M. TRUEBLOOD	Section, Township, Range:	2 (5,42) (4) ⁽⁴⁾ 31+ 4
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):	Slope (%):
Subregion (LRR): L	_at; Long:	Datum:
Soil Map Unit Name:	NWI di	assification:
Are climatic / hydrologic conditions on the site typical for this tim Are Vegetation, Soil, or Hydrology signi Are Vegetation, Soil, or Hydrology nature SUMMARY OF FINDINGS – Attach site map sho	ficantly disturbed? Are "Normal Circumstan rally problematic? (If heeded, explain any a	nces" present? Yes No answers in Remarks.)
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	Within a Wetland? Yes	No
Remarks: UPLAND POINT.		

VEGETATION - Use scientific names of plants.

L

Tree Stratum (Plot size:)	Absolute % Cover	Dominan Species?	t Indicator	Dominance Test worksheet:
		N		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2. UMBELLULARIA CALIFORNICA	80	Y	FAL	
3		<u></u>		Total Number of Dominant Species Across All Strata: (B)
4	90	= Total Co	over	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>67</u> (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
		= Total Co	ver	FACU species x 4 =
Herb Stratum (Plot size:)		14 A		UPL species x 5 =
1. RUBUS URSINUS	20	<u> </u>	FAL	Column Totals: (A) (B)
2. TOXICODENDRON DIVERSILOBUM	7	N	FACU	
3. LYSIMACHIA LATIFOLIA	2	<u>N</u>	FAL	Prevalence Index = B/A =
4. LONICERA HISPIOULA	15	Y	FACU	Hydrophytic Vegetation Indicators:
5. DRYOPTERIS ARGUTA	5	N	FACW	Dominance Test is >50%
6. MALANTHEMUM RACEMOSUM	3	N	FAC	Prevalence Index is ≤3.0 ¹
7	<u>a</u>			Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8	52	= Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)				
1. <u>*</u> 2				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		= Total Co	ver	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Co	over of Biotic Cru	ust		Present? Yes No
Remarks:				L

inches) Color (moist)	Redox Features % Color (moist) % Type ¹ Loc ² Texture Remarks
0-13" 10 YR 2/2 1	100 SANDY LOAM
	on, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. e to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soits ³ :
_ Histosol (A1) _ Histic Epipedon (A2)	Sandy' Redox (S5) 1 cm Muck (A9) (LRR C) Stripped Matrix (S6) 2 cm Muck (A10) (LRR B)
Black Histic (A3)	Stripped Matrix (S6) 2 cm Muck (A10) (LRR B) Loamy Mucky Mineral (F1) Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2) Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3) Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)
Depleted Below Dark Surface (A1	
Thick Dark Surface (A12)	Redox Depressions (F8) ³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9) wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	unless disturbed or problematic.
strictive Layer (if present):	
Туре:	Link Y of Antonisia Advantability
Depth (inches): emarks: E20510N FROM HILL	Hydric Soll Present? Yes No No No
DROLOGY	
DROLOGY	LSIDE. ADJACENT TO ROAD.
DROLOGY Marks: EROSION FROM HILL DROLOGY Mand Hydrology Indicators: mary Indicators (minimum of one red	ESIDE. ADJACENT TO ROAD.
marks: E20516N FROM HILL DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one real Surface Water (A1)	Equired: check all that apply) Salt Crust (B11) Water Marks (B1) (Riverine)
E20516N FROM HILL DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one red . Surface Water (A1) . High Water Table (A2)	EQUIRED: ADJACENT TO ROAD. Equired: check all that apply)
marks: E20516N FROM HILL DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one real Surface Water (A1)	Exide. ADJACENT TO ROAD. Equired: check all that apply) Secondary Indicators (2 or more required)
Marks: E20516N FROM HILL DROLOGY stland Hydrology Indicators: mary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3)	Exide. ADJACENT TO ROAD. Equired: check all that apply) Secondary Indicators (2 or more required)
Marks: E20510N FROM HILL DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one rea Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Exide. ADJACENT TO ROAD. Equired: check all that apply) Secondary Indicators (2 or more required)
Marks: E20510N FROM HILL DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver	Equired: check all that apply) Secondary Indicators (2 or more required)
Marks: E20510N FROM HILL DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver Drift Deposits (B3) (Nonriverine)	Exide: ADJACENT TO ROAD. Bauired: check all that apply) Secondary Indicators (2 or more required)
marks: E20516N FROM HILL DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	Exide. ADJACENT TO ROAD. Equired: check all that apply) Secondary Indicators (2 or more required)
marks: E20516N FROM HILL DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one rea Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Water-Stained Leaves (B9)	Exipe. ADJA CENT TO ROAD. Equired: check all that apply) Secondary Indicators (2 or more required)
Marks: E20510N FROM HILL DROLOGY Mand Hydrology Indicators: mary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Water-Stained Leaves (B9) d Observations:	Exipe. ADJA CENT TO ROAD. Equired: check all that apply) Secondary Indicators (2 or more required)
EROSION FROM HILL DROLOGY stiand Hydrology Indicators: mary Indicators (minimum of one reginary Indicators (Minim	Exiting E. ADJA CENT TO ROAD. Equired: check all that apply) Secondary Indicators (2 or more required)
Procession From Hill DROLOGY Stand Hydrology Indicators: mary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Water-Stained Leaves (B9) id Observations:	LSIDE. ADJACENT TO ROAD. Bauired: check all that apply) Secondary Indicators (2 or more required)

Remarks:

WETLAND DETERMINATION DATA FORM - Arid West Region

		Ony/Couri	y: <u>OPER</u>	=LINO	_ Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHAD WICK LLC				State: CA	1.
Investigator(s): A. VAN ZUUK, M. TRUEBLOOD		Section, To	ownship, Ra	inge:	如此是我们 "你一句
.andform (hillslope, terrace, etc.):		Local relie	f (concave,	convex, none):	Slope (%):
Subregion (LRR):					
Soil Map Unit Name:					
Are climatic / hydrologic conditions on the site typical for	this time of ve	ar? Yes	V No	(If no, explain in F	Remarks)
are Vegetation, Soil, or Hydrology					present? Yes No
vre Vegetation, Soil, or Hydrology	-			eded, explain any answe	
SUMMARY OF FINDINGS - Attach site ma					
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes		ls ti	ne Sampleo nin a Wetla	l Area	1
EGETATION – Use scientific names of pla					
Tree Stratum (Plot size:)	Absolute <u>% Cover</u>		Indicator Status	Dominance Test worl	55
1. UMBELLULARIA CALIFORNICA	90	Y	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Number of Dominant S That Are OBL, FACW,	or FAC: <u>2</u> (A)
2				Total Number of Domir Species Across All Stra	
4 <u>Sapling/Shrub Stratum</u> (Plot size:)		= Total Co	over	Percent of Dominant S That Are OBL, FACW,	pecies or FAC: <u>100</u> (A/B)
1		<u> </u>		Prevalence Index wor	ksheet:
2					Multiply by:
3					x1=
4					x 2 =
5					x 3 =
Herb Stratum (Plot size:)		= Total Co	ver		x 4 =
1. PUBUS URSINUS	15	Y	FAL	1	x 5 = (A) (B)
2. TOXICODENDRON DIVERSILOBUM	5	N	FACU		(A) (B)
DRYOPTERIS ARGUTA	1	N	FACW	Prevalence Index	= B/A =
ARALIA CALIFORNICA	3	N	FACW	Hydrophytic Vegetatio	on Indicators:
5				Dominance Test is	>50%
5				Prevalence Index is	
·	_				ptations ¹ (Provide supporting s or on a separate sheet)
3				and the second	phytic Vegetation ¹ (Explain)
<u>Woody Vine Stratum</u> (Plot size:)	24	= Total Co	ver		ontro regeration (Exhigin)
		20) a 		¹ Indicators of hydric soi be present, unless dist.	l and wetland hydrology must Irbed or problematic.
2 % Bare Ground in Herb Stratum 76 % Cov		= Total Co ust		Hydrophytic Vegetation Present? Yes	s No
Remarks:					

Sampling Point: 2

Code: (model) % Code: (model) % Type Lot Tature Remarks 0-H ^N 19 XE 3/4 /100	Profile Description: (Description) Depth Matr			x Feature	s		WS156AC	A LEESSA 2 HARVERS
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ¹ Location: PL=Pore Lining, M=Matrix, Memory and Pack States of Pore Lining, M=Matrix, Memory and Pack States of Pore Lining, M=Matrix, Memory and Pack States of Pore Lining, M=Matrix, Metrix States of Pore Lining, M=Matrix, Metrix States of Pore Lining, M=Matrix, Metrix States of Pore Lining, M=Matrix, Memory Mack Matrix (S5) Histos (A1)	(inches) Color (moist	t) %				Loc ²	Texture	Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ¹ Location: PL=Pore Lining, M=Matrix, Memory and Pack States of Pore Lining, M=Matrix, Memory and Pack States of Pore Lining, M=Matrix, Memory and Pack States of Pore Lining, M=Matrix, Metrix States of Pore Lining, M=Matrix, Metrix States of Pore Lining, M=Matrix, Metrix States of Pore Lining, M=Matrix, Memory Mack Matrix (S5) Histos (A1)	0-14" 10 YR 3/4	100					SAND	PRABLEMATIC
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosol (A1)								
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosol (A1)								
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosol (A1)								a California California
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosci (A1)				24				
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosol (A1)		21						
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histosci (A1)								
histosol (A1)	<u>386</u>	10						
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histos Epipedon (A2) Stripped Matrix (S6)								
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Solls ¹ : Histos Epipedon (A2) Stripped Matrix (S6)	in the second			·				
histosol (A1)								
						ed Sand Gr		
Histic Epipedon (A2) Stipped Matrix (S6) 2 cm Muck (A10) (LRR É) Black Histic (A3) Loamy Mucky Mineral (F1) Redozed Vertic (F18) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Red Parent Material (TF2) Stratified Layers (A6) (LRR D) Redox Depressions (F8) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky C(S1) Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky C(S1) Vernal Pools (F9) Hydrology must be present, unless disturbed or problematic. Sandy Mucky C(S1) Vernal Pools (F9) Hydrology must be present, unless disturbed or problematic. Sandy Mucky C(S1) Statration (F1) No Material (F1) Sandy Mucky C(S1) Saturation (K1) Secondary Indicators: (C2) more required) Saturation (K3) Aguatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Satu	ydric Soil Indicators: (Ap	plicable to all LR	Rs, unless other	wise note	ed.)		Indicators	for Problematic Hydric Solls ³ :
Histic Epipedon (A2) Stipped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Suffide (A4) Loamy Mucky Mineral (F2) Red Parent Material (TF2) Strattfied Layers (A5) (LRR C) Depleted Matrix (F2) Red Parent Material (TF2) I cm Muck (A9) (LRR D) Redx Dark Surface (F6) Depleted Delow Dark Surface (A12) Redx Dark Surface (F6) Depleted Below Dark Surface (A12) Redx Dark Surface (F7) "Indicators of hydrophytic vegetation and wetland hydrology must be present." Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present. Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present. Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present. Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present. Sandy Mucky Mineral (S1) Vernal Pools (F9) Hydric Soil Present? Yes No No Bepth (inches):	Histosol (A1)		Sandy Redo	ox (S5)			1 cm M	Auck (A9) (LRR C)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) 1 cm Muck (A9) (LRR D) Redox Depressions (F8) *Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Vernal Pools (F9) unless disturbed or problematic. Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Betrictive Layer (If present): Type: Hydric Soil Present? Yes No Bernarks: UNSTRATIFIED. Mix 6F 2024/5, COABSE SAND, \$ SILT: PROBABLY SLOUGH oFF 0F HiLLSIDE, STREAM IS E2001/NGr IMT0 BANIL. TDROLOGY Sati Crust (B11) Sati Crust (B12) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B12) Sediment Deposits (B2) (Riverine) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B12) Sediment Deposits (B2) (Riverine) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B12) Sediment Deposits (B2) (Riverine) Secondary Indicators (2 or more required) <td>Histic Epipedon (A2)</td> <td></td> <td> Stripped Ma</td> <td>trix (S6)</td> <td></td> <td></td> <td> 2 cm M</td> <td>Auck (A10) (LRR B)</td>	Histic Epipedon (A2)		Stripped Ma	trix (S6)			2 cm M	Auck (A10) (LRR B)
	Black Histic (A3)		Loamy Muc	ky Mineral	(F1)		1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
	_ Hydrogen Sulfide (A4)							
I om Nuck (49) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Redox Dark Surface (F7) Surface Water (A1)	_ Stratified Layers (A5) (LF	RR C)						
	_ 1 cm Muck (A9) (LRR D)		Redox Dark	Surface (F6)			
	_ Depleted Below Dark Su	rface (A11)	Depleted Da	ark Surfac	e (F7)			
	_ Thick Dark Surface (A12))					³ Indicators	of hydrophytic vegetation and
	_ Sandy Mucky Mineral (S	1)	Vernal Pool	s (F9)				
iestrictive Layer (if present): Type: Depth (inches): iemarks: UNSTRATIFIED. MIX OF BOLKS, COARSE SAND, \$ SILT. PROBABLY SLOUGH OFF OF HILLSIDE. STREAM IS ERODING: imarks: UNSTRATIFIED. Stream Stream Stream Surface Water (A1) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Diff Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Recent Iron Reduction (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Reduction in Tilled Soils (C6) Surface Nater Present? Yes No Depth (inches): Other (Explain in Remarks) FAC-Neutral Test (D5) No	_ Sandy Gleyed Matrix (S4)						
Type:						523L	T	
Depth (inches):					1			
emarks: UNSTRATIFIED. MIX OF BOCKS, COADSE SAND, SILT. PROBABLY SLOUGH OFF OF HILLSIDE. STREAM IS EDODING INTO BANK. /DROLOGY fettand Hydrology Indicators: imary Indicators (minimum of one required: check all that apply) Secondary Indicators (2 or more required) _Surface Water (A1) _Salt Crust (B11) _Water Marks (B1) (Riverine) _High Water Table (A2) _Biotic Crust (B12) _Sediment Deposits (B2) (Riverine) _Saturation (A3) _Aquatic Invertebrates (B13) _Drift Deposits (B3) (Riverine) _Sediment Deposits (B2) (Nonriverine) _Hydrogen Sulfide Odor (C1) _Drainage Patterns (B10) _Sediment Deposits (B2) (Nonriverine) _Presence of Reduced iron (C4) _Crayfish Burrows (C8) _Surface Soil Cracks (B6) _Recent Iron Reduction in Tilled Soils (C6) _Saturation Visible on Aerial Imagery (B7) _Inindation Visible on Aerial Imagery (B7) _Thin Muck Surface (C7) _Shallow Aquitard (D3) _Water-Stained Leaves (B9) _Other (Explain in Remarks) _FAC-Neutral Test (D5) eld Observations: _Yes _No Depth (inches):	Type:							
DNSTEATIFIED. MIX OF 2002S, COABSE SAND, SILT. P2DBABLY SLOUGH OFF OF HILLSIDE. STZEAM IS E200ING: INTO BANK. PROLOGY retiand Hydrology Indicators: imary Indicators (minimum of one required: check all that apply) Secondary Indicators (2 or more required)			-				Hydric Soll	Bracant2 Van No
Wetland Hydrology Indicators: Secondary Indicators (2 or more required)	Depth (inches):	0. Mix of R 22001NG INT	OCKS, COARS	e sand), ë sil	T. PROS		
Image: Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) Infundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) eld Observations: Yes No Depth (inches): 714 th aturation Present? Yes No Depth (inches): 71 th wetland Hydrology Present? Yes No No No Botto Crass Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections),	Depth (inches): emarks: UNSTRATIFIE STREAM IS 1	0. Mix of b 22001NG INT	OCKS, COARS	e sand) È SIL	T. PROS		
Surface Water (A1)	Depth (inches): emarks: UNSTRATIFIE STREAM IS (DROLOGY	ERODING INT	OCKS, COARS	e sand), È SIL	T. PROS		
High Water Table (A2) Biotic Crust (B12) Sediment Deposits (B2) (Riverine) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (B7) Invindation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Ind Observations: No Depth (inches): 714 th Mutation Present? Yes No Depth (inches): 71 ^t	Depth (inches): emarks: UNSTRATIFIE STREAM 15 g /DROLOGY etland Hydrology Indicato	5200 ING INT	O BANK.	-) È SIL	Т. РРоб	LABLY SLO	ugh off of Hillside.
	Depth (inches): emarks: UNSTRATIFIE STREAM IS (/DROLOGY /etland Hydrology Indicator rimary Indicators (minimum)	5200 ING INT	TO BANK.)), È SIL	T. PROE	BABLY SLO	dary Indicators (2 or more required)
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9 Mundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) eld Observations: Yes No Depth (inches): 714 th water Table Present? Yes No Depth (inches): 71 th wetland Hydrology Present? Yes No Depth (inches): 71 th wetland Hydrology Present? Yes No Depth (inches): 71 th wetland Hydrology Present? Yes No Depth (inches): 71 th wetland Hydrology Present? Yes No Depth (inches): 71 th wetland Hydrology Present? Yes No Depth (inches): 71 th wetland Hydrology Present?	Depth (inches): emarks: UNSTRATIFIE STREAM IS ('DROLOGY retiand Hydrology Indicator rimary Indicators (minimum _ Surface Water (A1)	5200 ING INT	• BANK. heck all that apply Salt Crust (/) (B11)), È SIL	Т. Реоб	BABLY SLO	dary Indicators (2 or more required)
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Pattems (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9 Mundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) eld Observations: No Depth (inches): 214 % ater Table Present? Yes No Depth (inches): 71 % wetland Hydrology Present? Yes No Depth (inches): No escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: No No	Depth (inches): emarks: UNSTRATIFIE STREAM IS ('DROLOGY retiand Hydrology Indicator rimary Indicators (minimum _ Surface Water (A1)	5200 ING INT	• BANK. heck all that apply Salt Crust (/) (B11)), È SIL	Т. Реор	<u><u><u></u><u></u><u><u></u><u></u><u></u><u><u></u><u></u><u>Secon</u> <u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u>	UGH OFF OF HILLSIDE, dary Indicators (2 or more required) dater Marks (B1) (Riverine)
 Sediment Deposits (B2) (Nonriverine)Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) eld Observations:	Depth (inches): emarks: UNSTRATIFIE STREAM 15 g /DROLOGY /etland Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2)	5200 ING INT	heck all that apply Salt Crust (Biotic Crust	/) (B11) t (B12)		T. PROP	4817 510	dary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9	Depth (inches): emarks: UNSTRATIFIE STREAM 15 g /DROLOGY /etland Hydrology Indicator rimary Indicators (minimum 	SEODING INT	heck all that apply Salt Crust (Biotic Crust Aquatic Inv	/) (B11) t (B12) ertebrates	s (B13)	T. PROS	LABLY SLO <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u>	dary Indicators (2 or more required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
	Depth (inches): emarks: UNSTRATIFIE STREAM IS & /DROLOGY /etiand Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonritional Contents)	SEODING INT	heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S	r) (B11) t (B12) ertebrates Sulfide Od	s (B13) or (C1)	95 	LABLY SLO <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>D</u>	dary Indicators (2 or more required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) eld Observations: Image: Present? Yes No Depth (inches): Image: Present? aturation Present? Yes No Depth (inches): Image: Present? Yes No No aturation Present? Yes No Depth (inches): Image: Present? Yes No No aturation Present? Yes No Depth (inches): Image: Present? Yes No No aturation Present? Yes No Depth (inches): Image: Present? Yes No Mo aturation Present? Yes No Depth (inches): Image: Present? Yes No Mo acturation Present? Yes No Depth (inches): Image: Present? Yes No Mo acturation Present? Yes No Depth (inches): Image: Present? Yes No Mo acturation Present? Yes No Depth (inches):	Depth (inches): emarks: UNSTRATIFIE STREAM IS (/DROLOGY /etiand Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonri- Sediment Deposits (B2) (SEODING INT ors: of one required; c verine) Nonriverine)	heck all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R	r) (B11) t (B12) ertebrates Sulfide Od hizospher	6 (B13) or (C1) es along	Living Root	Secon <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Seco</u>	dary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2)
Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) eld Observations: Inface Water Present? Yes No Depth (inches): 714 °° ater Table Present? Yes No Depth (inches): 714 °° Wetland Hydrology Present? Yes No aturation Present? Yes No Depth (inches): 71 °° Wetland Hydrology Present? Yes No includes capillary fringe) escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: No	Depth (inches): emarks: UNSTRATIFIE STREAM IS g /DROLOGY /etiand Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonri- Sediment Deposits (B2) (Drift Deposits (B3) (Nonri-	SEODING INT ors: of one required; c verine) Nonriverine)	heck all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence of	() (B11) t (B12) ertebrates Sulfide Od hizosphen of Reduced	s (B13) or (C1) es along d Iron (C4	Living Root	Secon <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Secon</u> <u>Seco</u>	dary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8)
eld Observations: urface Water Present? Yes No Depth (inches): 714 " vater Table Present? Yes No Depth (inches): 714 " vaturation Present? Yes No Depth (inches): 71 " Wetland Hydrology Present? Yes No values Scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: No	Depth (inches): emarks: UNSTRATIFIE STREAM IS g /DROLOGY /etiand Hydrology Indicator rimary Indicators (minimum 	SECONNE INT ors: of one required; c verine) Nonriverine) iverine)	heck all that apply heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror	() (B11) t (B12) ertebrates Sulfide Od hizospher f Reduced n Reductio	s (B13) or (C1) es along d Iron (C4 n in Tilleo	Living Root	Secon Secon Secon W Si Si Si Si Si Si Si Si Si Si	UGH OFF OF HILLSIDE. dary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9
urface Water Present? Yes No Depth (inches): 714 °° ater Table Present? Yes No Depth (inches): 714 °° aturation Present? Yes No Depth (inches): 71 °° aturation Present? Yes No Depth (inches): 71 °° aturation Present? Yes No Depth (inches): 71 °° acturation Present? Yes No Depth (inches): 71 °° acturation Present? Yes No Depth (inches): 71 °° acturation Present? Yes No Depth (inches): 71 °° Wetland Hydrology Present? Yes No acturation Present? Yes No Depth (inches): 71 °° Wetland Hydrology Present? Yes No acturation Present? Yes No Depth (inches): 71 °° Wetland Hydrology Present? Yes No acturation Present? Yes No No No No No acturation Present? Yes No No No No No acturation Present? </td <td>Depth (inches): emarks: UNSTRATIFIE STREAM IS g /DROLOGY /etland Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonri- Sediment Deposits (B2) (Drift Deposits (B3) (Nonri- Surface Soil Cracks (B6) Mundation Visible on Aeri</td> <td>SEODING INT ors: of one required; c verine) Nonriverine) iverine) iai Imagery (B7)</td> <td>heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck</td> <td>r) (B11) t (B12) ertebrates Sulfide Od hizosphen of Reduced n Reduced Surface (C</td> <td>s (B13) or (C1) es along d Iron (C4 on in Tilled C7)</td> <td>Living Root</td> <td>Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Se</td> <td>dary Indicators (2 or more required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)</td>	Depth (inches): emarks: UNSTRATIFIE STREAM IS g /DROLOGY /etland Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonri- Sediment Deposits (B2) (Drift Deposits (B3) (Nonri- Surface Soil Cracks (B6) Mundation Visible on Aeri	SEODING INT ors: of one required; c verine) Nonriverine) iverine) iai Imagery (B7)	heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck	r) (B11) t (B12) ertebrates Sulfide Od hizosphen of Reduced n Reduced Surface (C	s (B13) or (C1) es along d Iron (C4 on in Tilled C7)	Living Root	Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Se	dary Indicators (2 or more required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)
ater Table Present? Yes <u>Ves</u> No Depth (inches): <u>714</u> Wetland Hydrology Present? Yes <u>No</u> No Depth (inches): <u>71</u> Wetland Hydrology Present? Yes <u>No</u> No Depth (inches): <u>71</u> Wetland Hydrology Present? Yes <u>No</u> No Depth (inches): <u>71</u> Wetland Hydrology Present? Yes <u>No</u> No	Depth (inches): emarks: UNSTRATIFIE STREAM IS & /DROLOGY /etiand Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonri- Sediment Deposits (B2) (Drift Deposits (B3) (Nonri- Surface Soil Cracks (B6) fundation Visible on Aeri- Water-Stained Leaves (B	SEODING INT ors: of one required; c verine) Nonriverine) iverine) iai Imagery (B7)	heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck	r) (B11) t (B12) ertebrates Sulfide Od hizosphen of Reduced n Reduced Surface (C	s (B13) or (C1) es along d Iron (C4 on in Tilled C7)	Living Root	Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Se	dary Indicators (2 or more required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)
aturation Present? Yes Ves No Depth (inches): 71 ^w Wetland Hydrology Present? Yes No holdes capillary fringe) escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches): emarks: UNSTRATIFIE STREAM IS g /DROLOGY /etiand Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonri- Sediment Deposits (B2) (Drift Deposits (B3) (Nonri- Surface Soil Cracks (B6) mundation Visible on Aeri Water-Stained Leaves (B eld Observations:	SECODING INT ors: of one required; c verine) Nonriverine) iverine) ial Imagery (B7) 9)	heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl	r) (B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface (C lain in Rer	s (B13) or (C1) es along d Iron (C4 on in Tilled C7)	Living Root	Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Se	dary Indicators (2 or more required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)
escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches): emarks: UNSTRATIFIE STREAM IS g /DROLOGY /etiand Hydrology Indicator rimary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonri- Sediment Deposits (B2) (Drift Deposits (B3) (Nonri- Surface Soil Cracks (B6) mundation Visible on Aeri Water-Stained Leaves (B eld Observations:	SECODING INT ors: of one required; c verine) Nonriverine) iverine) ial Imagery (B7) 9)	heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl	() (B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface (C lain in Rer hes):	s (B13) or (C1) es along d Iron (C4 n in Tillec C7) marks)	Living Root	Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Se	dary Indicators (2 or more required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)
escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches): lemarks: UNSTRATIFIE STREAM IS G /DROLOGY /etiand Hydrology Indicator rimary Indicators (minimum 	verine) Nonriverine) iai Imagery (B7) 9) Yes No	heck all that apply heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Thin Muck Other (Expl Depth (inc	() (B11) t (B12) ertebrates Sulfide Od hizosphen of Reduced n Reductio Surface ((lain in Rer hes): hes):	s (B13) or (C1) es along d Iron (C4 on in Tilleo C7) marks)	Living Root	Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Se	dary Indicators (2 or more required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)
	Depth (inches): ternarks: UNSTRATIFIE STREAM IS & /DROLOGY /etland Hydrology Indicator rimary Indicators (minimum 	Verine) Nonriverine) iverine) ial Imagery (B7) 9) Yes No Yes No	heck all that apply heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc	r) (B11) t (B12) ertebrates Sulfide Od hizosphen of Reduced n Reductio Surface (C lain in Rer hes):	s (B13) or (C1) es along d Iron (C4 on in Tilleo C7) marks)	Living Root) I Soils (C6)	Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Se	UGH OFF OF HILLSIDE. Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)
emarks:	Depth (inches): ternarks: UNSTRATIFIE STREAM IS g /DROLOGY /etiand Hydrology Indicator rimary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonri- Sediment Deposits (B2) (Drift Deposits (B3) (Nonri- Surface Soil Cracks (B6) mundation Visible on Aeri- Water-Stained Leaves (B eld Observations: urface Water Present? faturation Present? aturation Present? aturation Present? aturation Present?	Verine) Nonriverine) ial Imagery (B7) 9) Yes No Yes No Yes No	heck all that apply heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	() (B11) t (B12) rertebrates Sulfide Od hizosphen of Reduced n Reduced n Reduced Surface (C lain in Rer hes): hes):	s (B13) or (C1) es along d Iron (C4 n in Tillec C7) marks) >14 ^w	Living Root) I Soils (C6)	Secon Secon Secon W Secon W Secon C Secon C Secon C Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon S	UGH OFF OF HILLSIDE. Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)
emarks:	Depth (inches):	Verine) Nonriverine) ial Imagery (B7) 9) Yes No Yes No Yes No	heck all that apply heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	() (B11) t (B12) rertebrates Sulfide Od hizosphen of Reduced n Reduced n Reduced Surface (C lain in Rer hes): hes):	s (B13) or (C1) es along d Iron (C4 n in Tillec C7) marks) >14 ^w	Living Root) I Soils (C6)	Secon Secon Secon W Secon W Secon C Secon C Secon C Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon S	UGH OFF OF HILLSIDE. Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)
	Depth (inches):	Verine) Nonriverine) ial Imagery (B7) 9) Yes No Yes No Yes No	heck all that apply heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	() (B11) t (B12) rertebrates Sulfide Od hizosphen of Reduced n Reduced n Reduced Surface (C lain in Rer hes): hes):	s (B13) or (C1) es along d Iron (C4 n in Tillec C7) marks) >14 ^w	Living Root) I Soils (C6)	Secon Secon Secon W Secon W Secon C Secon C Secon C Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon S	UGH OFF OF HILLSIDE. Idary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)
	Depth (inches):	Verine) Nonriverine) ial Imagery (B7) 9) Yes No Yes No Yes No	heck all that apply heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	() (B11) t (B12) rertebrates Sulfide Od hizosphen of Reduced n Reduced n Reduced Surface (C lain in Rer hes): hes):	s (B13) or (C1) es along d Iron (C4 n in Tillec C7) marks) >14 ^w	Living Root) I Soils (C6)	Secon Secon Secon W Secon W Secon C Secon C Secon C Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon S	UGH OFF OF HILLSIDE. dary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)
	Depth (inches):	Verine) Nonriverine) ial Imagery (B7) 9) Yes No Yes No Yes No	heck all that apply heck all that apply Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	() (B11) t (B12) rertebrates Sulfide Od hizosphen of Reduced n Reduced n Reduced Surface (C lain in Rer hes): hes):	s (B13) or (C1) es along d Iron (C4 n in Tilled C7) marks) 714 ^w	Living Root) I Soils (C6)	Secon Secon Secon W Secon W Secon C Secon C Secon C Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon S	UGH OFF OF HILLSIDE. dary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 nallow Aquitard (D3) AC-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: STEVENS CREEK QUAR	ex City	County: CUPE	RTINO	_ Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK	LUC		State: CA	_ Sampling Point:
nvestigator(s): <u>A. VAN ZUUK, M. TRUE</u>	EBLOOD Sec	tion, Township, Ra	ange:	This are seen to
Landform (hillslope, terrace, etc.):	Loc	al relief (concave,	convex, none):	Slope (%):
Subregion (LRR):				
Soil Map Unit Name:			NWI classi	fication:
Are climatic / hydrologic conditions on the site ty	/pical for this time of year?	Yes No	(If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrolog				present? Yes No
Are Vegetation, Soil, or Hydrolog	gy naturally probler		eeded, explain any answ	
SUMMARY OF FINDINGS - Attach	site map showing sa			
	No No No	Is the Sampled within a Wetla		No
Remarks: UPLAND POINT.				
/EGETATION – Use scientific name	· · · · · · · · · · · · · · · · · · ·			
Tree Stratum (Plot size:)		minant Indicator ecles? Status	Dominance Test wor	
1. UMBELLULARIA CALIFORNICA		FAC	Number of Dominant That Are OBL, FACW	
2				
			Total Number of Dom Species Across All St	-
4	<u>95</u> = T	otal Cover	Percent of Dominant S That Are OBL, FACW	Species
1			Prevalence index wo	orksheet:
2			Total % Cover of:	Multiply by:
3			OBL species	x 1 =
4			and the second sec	x2=
5				x 3 =
Herb Stratum (Plot size:)	= T	otal Cover		x 4 =
1. DRYOPTERIS ARGUTA				x 5 = (A) (B)
3			Prevalence Inde	x = B/A =
4			Hydrophytic Vegetat	ion Indicators:
5			🗹 Dominance Test i	s >50%
6			Prevalence Index	
7			Morphological Ad	aptations ¹ (Provide supporting ks or on a separate sheet)
8				ophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:	12_=T	otal Cover		
1		i	¹ Indicators of hydric so be present, unless dis	bil and wetland hydrology must
2				
		otal Cover	Hydrophytic Vegetation Present? Ye	es No
Remarks:				······
% Bare Ground in Herb Stratum Remarks:	% Cover of Biotic Crust			es No

Sampling Point: ______

Depth	Matrix		Rego	x Feature	5		Y2\$200.0	
(inches)	Color (moist)	% (Color (moist)	%	Type ¹	_Loc ²	Texture	Remarks
0-13"	10 YR 2/2	100		-		_	LOAM	
							14 20 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
				_				
	· · · · · · · · · · · · · · · · · · ·							
		······································					9.	
·······								
	ncentration, D=Deple					d Sand Gr	ains. ² Loc	ation: PL=Pore Lining, M=Matrix.
lydric Soll Ir	ndicators: (Applicat	ole to all LRR	s, unless other	wise note	ed.)			for Problematic Hydric Soils ³ :
_ Histosol (A1)		Sandy Redo	x (S5)			1 cm M	luck (A9) (LRR C)
	pedon (A2)		Stripped Ma	trix (S6)				luck (A10) (LRR B)
_ Black His			Loamy Muci					ed Vertic (F18)
	Sulfide (A4)	-	Loamy Gley		(F2)			rent Material (TF2)
	Layers (A5) (LRR C)	-	Depleted Ma	• •			Other (Explain in Remarks)
	k (A9) (LRR D)	-	Redox Dark					
	Below Dark Surface ((A11) _	Depleted Da					
	k Surface (A12)		Redox Depr	•	-8)			of hydrophytic vegetation and
	ucky Mineral (S1) eyed Matrix (S4)		Vernal Pools	5 (F9)				nydrology must be present,
	ayer (if present):					11.1	unless di	sturbed or problematic.
	ayer (in present).			11				WARDER AND ALLER THAT
Туре:								
Type: Depth (incl	nes):			•		-	Hydric Soil I	Present? Yes No
Type: Depth (inch emarks:	314					e!	Hydric Soil I	Present? Yes No
Type: Depth (inch emarks:	εγ						Hydric Soil I	Present? Yes <u>No</u>
Type: Depth (inch Remarks: COROLOG	SY rology indicators:	required: che				el		
Type: Depth (inch temarks: /DROLOG /etland Hydr rimary Indica	iY rology indicators: tors (minimum of one	required; che	eck all that apply				<u>Second</u>	dary Indicators (2 or more required)
Type: Depth (inch temarks: /DROLOG /etland Hydr rimary Indica Surface W	SY rology Indicators: tors (minimum of one /ater (A1)	e required; che	eck all that apply Salt Crust (B11)			<u>Second</u>	dary Indicators (2 or more required) ater Marks (B1) (Riverine)
Type: Depth (incl temarks: /DROLOG /etland Hydr rimary Indica Surface W High Wate	SY cology Indicators: <u>tors (minimum of one</u> /ater (A1) er Table (A2)	e required; che	eck all that apply Salt Crust (Biotic Crust	B11) t (B12)	(240)		<u>Second</u> Wa Se	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine)
Type: Depth (incl temarks: /DROLOG /etland Hydr rimary Indica Surface W High Wate Saturation	SY rology Indicators: <u>tors (minimum of one</u> /ater (A1) er Table (A2) a (A3)		eck all that apply Salt Crust (Biotic Crust Aquatic Inv	B11) t (B12) ertebrates			<u>Secono</u> Wa Se Dri	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine)
Type: Depth (inch temarks: /DROLOG /etland Hydr rimary Indica Surface W High Wate Saturation Water Mar	SY rology Indicators: <u>tors (minimum of one</u> /ater (A1) er Table (A2) e (A3) rks (B1) (Nonriverine	3)	eck all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S	B11) t (B12) ertebrates Sulfide Od	or (C1)		<u>Second</u> Wa Se Dri Dri	dary Indicators (2 or more required) ater Marks (B1) (Riverine) idiment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10)
Type: Depth (inch temarks: //DROLOG /etland Hydr rimary Indica Surface W High Wate Saturation Water Man Sediment	iY rology Indicators: tors (minimum of one /ater (A1) er Table (A2) e (A3) rks (B1) (Nonriverine Deposits (B2) (Nonri	e) verine)	eck all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R	B11) t (B12) ertebrates Sulfide Od hizospher	or (C1) es along L	-	<u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Se</u>	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2)
Type: Depth (inch temarks: //DROLOG //etland Hydr rimary Indica Surface W High Water Saturation Water Mar Sediment Sediment Drift Depo	FY rology Indicators: tors (minimum of one /ater (A1) er Table (A2) a (A3) rks (B1) (Nonriverine Deposits (B2) (Nonri sits (B3) (Nonriverine	e) verine)	eck all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o	B11) t (B12) ertebrates Sulfide Od hizosphen f Reduced	or (C1) es along L I Iron (C4))	<u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Second</u> <u>Se</u>	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8)
Type: Depth (incl Remarks: YDROLOG Vetland Hydr rimary Indica Surface W High Wate Saturation Water Mar Sediment Sediment Drift Depo Surface S	FY Fology Indicators: tors (minimum of one /ater (A1) er Table (A2) a (A3) rks (B1) (Nonriverine Deposits (B2) (Nonri sits (B3) (Nonriverine oil Cracks (B6)	e) verine) e)	eck all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized RI Presence o Recent Iron	B11) t (B12) ertebrates Sulfide Od hizosphen f Reduced Reductio	or (C1) es along L d Iron (C4) n in Tilled)	<u>Second</u> Wa Se Dri Dri s (C3) Dr Cri Sa	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (CS
Type: Depth (incl temarks: /DROLOG /etland Hydr rimary Indica Surface W High Wate Saturation Water Mar Sediment Sediment Drift Depo Surface Si Inundation	Tology Indicators: tors (minimum of one /ater (A1) er Table (A2) e (A3) rks (B1) (Nonriverine Deposits (B2) (Nonri sits (B3) (Nonriverine oil Cracks (B6) e Visible on Aerial Ima	e) verine) e)	eck all that apply Salt Crust (Biotic Crust Aquatic Invi Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S	B11) ertebrates Sulfide Od hizosphen f Reduced Reductio Surface (C	or (C1) es along L I Iron (C4) n in Tilled C7))	<u>Second</u> Wa Se Dri Dri s (C3) Dri s (C3) Dri Cri Sa Sh	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (C9 allow Aquitard (D3)
Type: Depth (inch temarks: //DROLOG /etland Hydr rimary Indica Surface W High Water Saturation Water Mai Sediment Drift Depo Surface Si Inundation Water-Sta	Tology Indicators: tors (minimum of one /ater (A1) Fr Table (A2) (A3) rks (B1) (Nonriverine Deposits (B2) (Nonriverine sits (B3) (Nonriverine oil Cracks (B6) to Visible on Aerial Ima ined Leaves (B9)	e) verine) e)	eck all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized RI Presence o Recent Iron	B11) ertebrates Sulfide Od hizosphen f Reduced Reductio Surface (C	or (C1) es along L I Iron (C4) n in Tilled C7))	<u>Second</u> Wa Se Dri Dri s (C3) Dri s (C3) Dri Cri Sa Sh	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (CS
Type: Depth (inch temarks: //DROLOG /etland Hydr rimary Indica Surface W High Water Saturation Water Man Sediment Sediment Drift Depo Surface So Inundation Water-Sta leld Observa	FY rology Indicators: tors (minimum of one /ater (A1) er Table (A2) a (A3) rks (B1) (Nonriverine Deposits (B2) (Nonri- sits (B3) (Nonriverine oil Cracks (B6) a Visible on Aerial Ima ined Leaves (B9) ations:	e) verine) e) agery (B7)	eck all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl	B11) t (B12) ertebrates Sulfide Od hizosphen f Reduced Reductio Surface (C ain in Rer	or (C1) es along L I Iron (C4) n in Tilled C7))	<u>Second</u> Wa Se Dri Dri s (C3) Dri s (C3) Dri Cri Sa Sh	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (C9 allow Aquitard (D3)
Type: Depth (inch temarks: /DROLOG /etland Hydr rimary Indica Surface W High Water Saturation Water Man Sediment Sediment Drift Depo Surface So Inundation Water-Sta leld Observa	Tology Indicators: tors (minimum of one /ater (A1) er Table (A2) a (A3) rks (B1) (Nonriverine Deposits (B2) (Nonri- sits (B3) (Nonriverine oil Cracks (B6) a Visible on Aerial Ima ined Leaves (B9) ttions:	e) verine) e) agery (B7)	eck all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl	B11) t (B12) ertebrates Sulfide Od hizosphen f Reduced Reductio Surface (C ain in Ren	or (C1) es along L I Iron (C4) n in Tilled C7))	<u>Second</u> Wa Se Dri Dri s (C3) Dri s (C3) Dri Cri Sa Sh	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (C9 allow Aquitard (D3)
Type: Depth (incl temarks: CDROLOG Vetland Hydr rimary Indica Surface W High Water Saturation Water Mar Sediment Drift Depo Surface Si Inundation Water-Sta Inundation Water-Sta	Tology Indicators: tors (minimum of one /ater (A1) or Table (A2) (A3) rks (B1) (Nonriverine Deposits (B2) (Nonriverine sits (B3) (Nonriverine oil Cracks (B6) Visible on Aerial Ima ined Leaves (B9) ttions: Present? Yes	e) verine) e) agery (B7)	eck all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl	B11) t (B12) ertebrates Sulfide Od hizosphen f Reduced Reductio Surface (C ain in Ren	or (C1) es along L I Iron (C4) n in Tilled C7))	<u>Second</u> Wa Se Dri Dri s (C3) Dri s (C3) Dri Cri Sa Sh	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (C9 allow Aquitard (D3)
Type: Depth (incl temarks: /DROLOG /etland Hydr rimary Indica Surface W Surface W Saturation Sediment Sediment Sediment Sediment Sediment Surface Si Inundation Surface Si Inundation Water-Sta leid Observa unface Water /ater Table Pl aturation Pres	Tology Indicators: tors (minimum of one /ater (A1) Pr Table (A2) a (A3) rks (B1) (Nonriverine Sits (B3) (Nonriverine Sits (B3) (Nonriverine Sits (B3) (Nonriverine Sits (B6) a Visible on Aerial Ima ined Leaves (B9) ations: Present? Yes resent? Yes Sent? Yes	e) verine) e) agery (B7) No	eck all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl	B11) ertebrates Sulfide Od hizosphen f Reduced n Reductio Surface (C ain in Rer hes):	or (C1) es along L I Iron (C4) n in Tilled C7)) Soils (C6)	<u>Second</u> Wa Se Dri Dri s (C3) Dri s (C3) Dri Cri Sa Sh	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (C9 allow Aquitard (D3) aC-Neutral Test (D5)
Type: Depth (incl temarks: /DROLOG /etland Hydr /imary Indica Surface W High Water Saturation Sediment Sediment Sediment Sediment Sediment Surface Si Inundation Water-Sta leid Observa urface Water /ater Table P aturation Pre- ncludes capill	Tology Indicators: tors (minimum of one /ater (A1) or Table (A2) (A3) rks (B1) (Nonriverine Deposits (B2) (Nonriverine oil Cracks (B6) Visible on Aerial Ima ined Leaves (B9) tilons: Present? Yes resent? Yes sent? Yes lary fringe)	e) verine) e) agery (B7) No No	eck all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl	B11) ertebrates Sulfide Od hizosphen f Reduced Reductio Surface (C ain in Rer hes): hes):	or (C1) es along L d Iron (C4) n in Tilled C7) narks)	Soils (C6)	<u>Second</u> Wa Se Dri Dri Dri Cri Sa Sh FA	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (C9 allow Aquitard (D3) aC-Neutral Test (D5)
Type: Depth (incl Remarks: YDROLOG Yetland Hydr Yrimary Indica Surface W High Water Surface W Nater Mar Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sed	Tology Indicators: tors (minimum of one /ater (A1) Pr Table (A2) a (A3) rks (B1) (Nonriverine Sits (B3) (Nonriverine Sits (B3) (Nonriverine Sits (B3) (Nonriverine Sits (B6) a Visible on Aerial Ima ined Leaves (B9) ations: Present? Yes resent? Yes Sent? Yes	e) verine) e) agery (B7) No No	eck all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl	B11) ertebrates Sulfide Od hizosphen f Reduced Reductio Surface (C ain in Rer hes): hes):	or (C1) es along L d Iron (C4) n in Tilled C7) narks)	Soils (C6)	<u>Second</u> Wa Se Dri Dri Dri Cri Sa Sh FA	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (C9 allow Aquitard (D3) aC-Neutral Test (D5)
Type: Depth (inch Remarks: YDROLOG Vetland Hydr Yrimary Indica Surface W Saturation Water Man Sediment Sediment Sediment Sediment Sediment Surface So Inundation Water-Sta ield Observa urface Water /ater Table P aturation Pre- ncludes capill escribe Reco	Tology Indicators: tors (minimum of one /ater (A1) or Table (A2) (A3) rks (B1) (Nonriverine Deposits (B2) (Nonriverine oil Cracks (B6) Visible on Aerial Ima ined Leaves (B9) tilons: Present? Yes resent? Yes sent? Yes lary fringe)	e) verine) e) agery (B7) No No	eck all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl	B11) ertebrates Sulfide Od hizosphen f Reduced Reductio Surface (C ain in Rer hes): hes):	or (C1) es along L d Iron (C4) n in Tilled C7) narks)	Soils (C6)	<u>Second</u> Wa Se Dri Dri Dri Cri Sa Sh FA	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (C9 allow Aquitard (D3) aC-Neutral Test (D5)
Type: Depth (incl Remarks: YDROLOG Yetland Hydr Yrimary Indica Surface W High Water Surface W Nater Mar Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sed	Tology Indicators: tors (minimum of one /ater (A1) or Table (A2) (A3) rks (B1) (Nonriverine Deposits (B2) (Nonriverine oil Cracks (B6) Visible on Aerial Ima ined Leaves (B9) tilons: Present? Yes resent? Yes sent? Yes lary fringe)	e) verine) e) agery (B7) No No	eck all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl	B11) ertebrates Sulfide Od hizosphen f Reduced Reductio Surface (C ain in Rer hes): hes):	or (C1) es along L d Iron (C4) n in Tilled C7) narks)	Soils (C6)	<u>Second</u> Wa Se Dri Dri Dri Cri Sa Sh FA	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (C9 allow Aquitard (D3) aC-Neutral Test (D5)
Type: Depth (inch Remarks: YDROLOG Vetland Hydr rimary Indica Surface W Surface W High Water Saturation Water Mait Sediment Vater Mait Sediment Surface Si Inundation Water-Sta ield Observa urface Water /ater Table Platuration Pre- aturation Pre- accudes capill escribe Reco	Tology Indicators: tors (minimum of one /ater (A1) or Table (A2) (A3) rks (B1) (Nonriverine Deposits (B2) (Nonriverine oil Cracks (B6) Visible on Aerial Ima ined Leaves (B9) tilons: Present? Yes resent? Yes sent? Yes lary fringe)	e) verine) e) agery (B7) No No	eck all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl	B11) ertebrates Sulfide Od hizosphen f Reduced Reductio Surface (C ain in Rer hes): hes):	or (C1) es along L d Iron (C4) n in Tilled C7) narks)	Soils (C6)	<u>Second</u> Wa Se Dri Dri Dri Cri Sa Sh FA	dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) ituration Visible on Aerial Imagery (C9 allow Aquitard (D3) aC-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region

Applicant/Owner: MITCHELL CHADWICK LLC							C. 10/1	3/2017
				State: CA	_ Sam	pling Poi	nt:	3
Investigator(s): A. VAN ZUUK, M. TRUEBLOOD		Section, To	wnship, Ra	ange:	-	16.31		7 - 1 T
Landform (hillslope, terrace, etc.):		Local relief	(concave,	convex, none):			Slope (%	5):
Subregion (LRR): Lat:								
Soil Map Unit Name:								
Are climatic / hydrologic conditions on the site typical for this time of	of ve	ar? Yes	No	(If no, explain in	Remar	ks)		
Are Vegetation, Soil, or Hydrology significa								No
Are Vegetation, Soil, or Hydrology naturally				eeded, explain any ansv				NU
SUMMARY OF FINDINGS – Attach site map show								es. etc
Hydrophytic Vegetation Present? Yes No								
Hydric Soil Present? Yes Vos	_		e Sampleo				/	
Wetland Hydrology Present? Yes No		with	in a Wetla	nd? Yes		No	_	
/EGETATION – Use scientific names of plants.								
Absol	uto	Dominant	Indicator	Dominance Test wo				
		Species?		Number of Dominant				
1. UMBELLULARIA CALIFORNICA 25	5	Y	FAC	That Are OBL, FACW			1	(A)
2		<u></u>		Total Number of Dom	inant			
3				Species Across All St		_	1	(B)
4				Percent of Dominant	Species	5 8 - 31		
Sapling/Shrub Stratum (Plot size:)		= Total Cov	/er	That Are OBL, FACW	, or FA	D:	100	_ (A/B)
1,				Prevalence Index wo	orkshee	it:		
2				Total % Cover of:		Mult	iply by:	
3				OBL species)	x 1 =	0	
4				FACW species				_
5			1	· · · · · · · · · · · · · · · · · · ·		x 3 =		
Horb Strotum (Plot size:		= Total Cov	/er	FACU species				-
Herb Stratum (Plot size:) 1. PSEVD0GNAPHALIUM STRAMINEUM		N	FAL	1		x 5 =		- 2
2. POLYPOGON MONSPELIENSIS 3		N	FACW	Column Totals: 4		(A) _	129	(B)
3. MADIA GRACILIS? 2		N	UPL	Prevalence Inde	x = B/A	=3	.15	-
4. SONCHUS SP. 5		N	FACU	Hydrophytic Vegetat	ion Ind	icators:		
5. PHALARIS SP. 2		N	FAC	Dominance Test i	s >50%			
6. LYSIMACHIA ARVENSIS 2		N	FAL	Prevalence Index	is ≤3.0	1		
7	_			Morphological Ad				
8				data in Remar		•		
Mandu Vino Stratum (Distaire)		= Total Cov	er	Problematic Hydro	opriyuć	vegetatio	ni (⊏xpla	ain)
Woody Vine Stratum (Plot size:) 1		84 A	8	¹ Indicators of hydric so be present, unless dis				must
2								
		= Total Cov	er	Hydrophytic Vegetation			/	
% Bare Ground in Herb Stratum % Cover of Bioti	c Cr	ust			es	No.	\checkmark	

Sampling Point: 3

0-16* 10 YR. 3/6 100	Texture Remarks SAND P208 LEMATIC SAND P208 LEMATIC Sample State P208 LEMATIC Sample State
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains tydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1)	s. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solis ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solis ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) _ Histosol (A1)	Indicators for Problematic Hydric Solis ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
rdric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) _ Histosol (A1) _ Histosol (A1) _ Histic Epipedon (A2) _ Stripped Matrix (S6) _ Black Histic (A3) _ Loamy Mucky Mineral (F1) _ Hydrogen Sulfide (A4) _ Loamy Gleyed Matrix (F2) _ Stratified Layers (A5) (LRR C) _ Depleted Matrix (F3) _ 1 cm Muck (A9) (LRR D) _ Redox Dark Surface (F6) _ Depleted Below Dark Surface (A11) _ Depleted Below Dark Surface (A12) _ Redox Depressions (F8) _ Sandy Mucky Mineral (S1) _ Sandy Gleyed Matrix (S4) _ strictive Layer (if present): Type: _ Depth (inches): _ marks: PROBABLY FILL FROM LANDSLIDE. PROBABLY FILL FROM LANDSLIDE.	Indicators for Problematic Hydric Solis ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
rdric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) _ Histosol (A1) _ Histosol (A1) _ Histic Epipedon (A2) _ Stripped Matrix (S6) _ Black Histic (A3) _ Loamy Mucky Mineral (F1) _ Hydrogen Sulfide (A4) _ Loamy Gleyed Matrix (F2) _ Stratified Layers (A5) (LRR C) _ Depleted Matrix (F3) _ 1 cm Muck (A9) (LRR D) _ Redox Dark Surface (F6) _ Depleted Below Dark Surface (A11) _ Depleted Below Dark Surface (A12) _ Redox Depressions (F8) _ Sandy Mucky Mineral (S1) _ Sandy Gleyed Matrix (S4) _ strictive Layer (if present): Type: _ Depth (inches): _ marks: PROBABLY FILL FROM LANDSLIDE. PROBABLY FILL FROM LANDSLIDE.	Indicators for Problematic Hydric Solis ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solis ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Solis ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Histosol (A1)	 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9)	 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) Estrictive Layer (if present): Type: Depth (Inches): PRoBABLY FILL FROM LANDSLIDE. // DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; check all that apply)	 Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): PRo&ABLY FILL F20M LANDSLIDE. PRoBABLY FILL F20M LANDSLIDE. Deptade Hydrology Indicators: imary Indicators (minimum of one required; check all that apply)	 Red Parent Material (TF2) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
1 cm Muck (A9) (LRR D)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
_ Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) _ Thick Dark Surface (A12) Redox Depressions (F8) _ Sandy Mucky Mineral (S1) Vernal Pools (F9) _ Sandy Gleyed Matrix (S4)	wetland hydrology must be present, unless disturbed or problematic.
Thick Dark Surface (A12)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Mucky Mineral (S1) Vernal Pools (F9)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Mucky Mineral (S1) Vernal Pools (F9) 	wetland hydrology must be present, unless disturbed or problematic.
Sandy Gleyed Matrix (S4) pstrictive Layer (if present): Type: Depth (inches): Pranks: PROBABLY FILL FROM LANDSLIDE, BROLOGY etland Hydrology Indicators: mary Indicators (minimum of one required; check all that apply)	unless disturbed or problematic.
Destrictive Layer (if present): Type: Depth (inches): Depth (inches): Pranks: PROBABLY FILL FROM LANDSLIDE. DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; check all that apply)	almanna, sin minawi
Depth (inches): H marks: PROGABLY FILL FROM LANDSLIDE. DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one required; check all that apply)	
DROLOGY etland Hydrology Indicators: mary Indicators (minimum of one required; check all that apply)	tydric Soll Present? Yes No
marks: PROBABLY FILL FROM LANDSLIDE. DROLOGY atland Hydrology Indicators: mary Indicators (minimum of one required; check all that apply)	
PROBABLY FILL FROM LANDSLIDE. DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; check all that apply)	
etland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply)	
imary Indicators (minimum of one required; check all that apply)	
	Secondary Indicators (2 or more required)
Surface Mater (A1) Solt Cruck (D11)	
_ Surface Water (A1) Salt Crust (B11) _/High Water Table (A2) Biotic Crust (B12)	Water Marks (B1) (Riverine)
	Sediment Deposits (B2) (Riverine)
	Drift Deposits (B3) (Riverine)
	Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C	C3) Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Other (Explain in Remarks)	FAC-Neutral Test (D5)
eld Observations:	
rface Water Present? Yes No Depth (inches):	
ater Table Present? Yes No Depth (inches):716*	/
turation Present? Yes <u>Ves</u> No Depth (inches): 78 ^w Wetland	Hydrology Present? Yes No
cludes capillary fringe) scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if av	unitable.
scribe recorded Data (stream gauge, monitoring weit, aenai protos, previous inspections), il avi	
emarks:	
	28
	SALAR MORE PORTAGE

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: STEVEN'S CREEK Q	ARRY	City/County:	0	_ Sampling Date: 10/13/2017
Applicant/Owner: MITZHELL CHADW	ICK LLC		State: CA	_ Sampling Point: 3A
Investigator(s): A. VAN ZUUK, M. TRI	JEBLOOD	Section, Township, Range:	- GQ1	("~92)" (6: YE-3)[3
Landform (hillslope, terrace, etc.):		Local relief (concave, conv	ex, none):	Slope (%):
Subregion (LRR):	Lat:	Lo	ng:	Datum:
Soil Map Unit Name:		/	NWI classif	fication:
Are climatic / hydrologic conditions on the s Are Vegetation, Soil, or Hydrologic	ite typical for this time of y	ear? Yes 🔽 No	_ (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hyd	Irology significantly	y disturbed? Are "Norr	nal Circumstances"	' present? Yes No
Are Vegetation, Soil, or Hyd	irology naturally pr	oblematic? (If needed	d, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS - Atta	ch site map showing	g sampling point loca	tions, transect	ts, important features, etc.
- C. 30	Yes No Yes No Yes No	Is the Sampled Are within a Wetland?		No
Remarks:				

.....

1. UMBELLULAQLA CALLESQUICA 80 Y FAC 2. Total Number of Dominant Species Total Number of Dominant Species 3.	Tree Stratum (Plot size:)	Absolute <u>% Cover</u>		nt Indicator ? Status	Dominance Test worksheet: Number of Dominant Species		
3	1. UMBELLULARIA CALIFORNICA	80	Y	FAL		2	(A)
Saping/Shrub Stratum (Plot size:) Total Cover That Are OBL, FACW, or FAC:/D (/) 1.	3				Species Across All Strata:	2	(B)
1.	Sapling/Shrub Stratum (Plot size:)	80	= Total C	Cover		100	(A/B)
3.					Prevalence Index worksheet:		
3.	2.				Total % Cover of:	Multiply by:	_
4.					OBL species x	(1 =	_
Herb Stratum (Plot size:) = Total Cover FACU species 7 x 4 = 28 1. <u>PUBUS UPSINUS</u> 50 Y FAC UPL species 7 x 5 = 35 2. TOXICODENDEON DIVERSILSBUM 7 N 3. TOBILIS ARVENSIS 7 N 4.					FACW species x	2 = 0	0.000
Herb Stratum (Plot size:) 90 Y FAC UPL species 7 x 5 = 35 2. TOXICODENDEON DIVERSILOBUM 7 N FAC Column Totals: 124 (A) 373 3. TORILS ARVENSIS 7 N FAC Prevalence Index = B/A = 3.17 4. 7 N UPL Prevalence Index = B/A = 3.17 4. 7 N UPL Prevalence Index = B/A = 3.17 4. 7 N UPL Prevalence Index is >50% Prevalence Index is <3.01	5		+1	1811			-
1. <u>2</u> USINUS <u>50</u> Y FAC Column Totals: <u>124</u> (A) <u>573</u> 2. TOXICODENDEON DIVERSILS BUM 7 N PACU Prevalence Index = B/A = <u>3.17</u> 4. 7 N UPL Prevalence Index = B/A = <u>3.17</u> 4. 9 9 Prevalence Index = B/A = <u>3.17</u> 5. 9 9 Prevalence Index is \$50% Prevalence Index is \$3.0^1 6. 9 9 Prevalence Index is \$3.0^1 Prevalence Index is \$3.0^1 7. 9 9 9 Prevalence Index is \$3.0^1 Prevalence Index is \$3.0^1 8. 9 9 9 9 9 Prevalence Index is \$3.0^1 1. 9 9 9 9 9 9 8. 9 9 9 9 9 9 1. 9 9 9 9 9 9 2. 9 9 9 9 9 9 3. 9 9 9 9 9 9			= Total C	over	FACU species 7 x	(4 = 28	
2. TOXICODENDEON DIVERSILISBUM 7 N FACU 3. TORILIS ARVENSIS 7 N UPL 4. 7 N UPL 5. 9 9 9 6. 9 9 9 7. 9 9 9 8. 9 9 9 9. 9 9 9 1. 9 9 9 1. 9 9 9 2. 9 9 9 1. 9 9 9 2. 9 9 9 3. 9 9 9 1. 9 9 9 2. 9 9 9 3. 9 9 9 1. 9 9 9 1. 9 9 9 2. 9 9 9 3. 9 9 9 1. 9 9 9 2. 9							011
2					Column Totals: 124 (A	4) <u>393</u>	_ (B)
4.					Drevelance lades - D/A -	317	
5.			_				
6.						ators.	
7.							
8.	7				Morphological Adaptations ¹		
Woody Vine Stratum (Plot size:) = 1 otal Cover 1 1 2	8						
2 = Total Cover Hydrophytic	Woody Vine Stratum (Plot size:)	<u> </u>	= Total C	over	1		
= Total Cover Hydrophytic							must
	2		= Total C	over	Hydrophytic		
	% Bare Ground in Herb Stratum % Cove				Vegetation Present? Yes	_ No	
Remarks:	Remarks:						

3A

(inches)			Reuu	x Feature	5		the second se			
0-12.4	Color (moist)	%	Color (moist)		Type ¹	Loc ²	Texture	13 1.3.5	Remarks	
	10 YR 3/3	100		_	-	_	LOAMY SAU	NO LAN	DSLIDE	
									10 ⁴	
	_			-				_		
				1.00						
				-	•			-		
			and the second second	11. 1	_				<u>></u>	
				a hered i	-		2.			
			Reduced Matrix, CS			ed Sand G			=Pore Lining, I	
		icable to all L	RRs, unless othe		ed.)				ematic Hydric	Solis":
Histosol (A1			Sandy Red					Muck (A9)		
Histic Epipe			Stripped Ma					Muck (A10)		
Black Histic			Loamy Muc	•				ced Vertic (
Hydrogen S			Loamy Gley		: (F2)			Parent Mate		
	yers (A5) (LRF	₹ C)	Depleted M				Other	(Explain in	Remarks)	
	(A9) (LRR D)		Redox Dark							
	low Dark Surfa	ace (A11)	Depleted Date							
	Surface (A12)		Redox Dep		F8)				nytic vegetation	
	xy Mineral (S1)		Vernal Pool	s (F9)					must be prese	nt,
	ed Matrix (S4)			g sug		14	unless o	disturbed or	problematic.	
Restrictive Lay	er (if present):					a,	de .		IAN AURAL!	ULBERT.
Туре:			-							
Depth (inches	s):						Hydric Soi	I Present?	Yes	No 🗸
						4				
						*			an eins	
			на н			.2	·		1 i=0_1 s	
		s:				.2			n n⇒£n s	
HYDROLOGY Wetland Hydrol	ogy Indicators		check all that apply	x)		à	Seco	ndary Indic	ators (2 or mo	re required)
HYDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators		check all that apply	_						
IYDROLOGY Wetland Hydrol Primary Indicator Surface Wat	ogy Indicators rs (minimum of ter (A1)		Salt Crust	(B11)			_ \	Vater Mark	s (B1) (Riverir	10)
IYDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water	ogy Indicators rs (minimum of ter (A1) Table (A2)	fone required;	Salt Crust Biotic Crus	(B11) st (B12)	o (B12)	÷	V s	Vater Marks Sediment D	s (B1) (Riverir eposits (B2) (F	1e) Riverine)
HYDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/	ogy Indicators rs (minimum of ter (A1) Table (A2) A3)	fone required;	Salt Crust Biotic Crus Aquatic Inv	(B11) it (B12) /ertebrate		* 	v s c	Vater Mark Sediment D Drift Deposi	s (B1) (Riverir eposits (B2) (F ts (B3) (Riveri	1e) Riverine)
HYDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/ Water Marks	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive	f one required: Prine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen	(B11) et (B12) vertebrate Sulfide Oc	dor (C1)		۷ ۷ 2 ۶ ۲	Vater Marks Sediment D Drift Deposi Drainage Pa	s (B1) (Riverir eposits (B2) (F ts (B3) (Riveri atterns (B10)	18) Riverine) ne)
HYDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N	i one required; arine) onriverine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R	(B11) st (B12) vertebrate Sulfide Oo thizosphe	dor (C1) res along	Living Ro	V S C C ots (C3) C	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season	s (B1) (Riverir eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (18) Riverine) ne)
HYDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N rs (B3) (Nonriv	i one required; arine) onriverine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence o	(B11) et (B12) vertebrate Sulfide Oc Rhizosphe of Reduce	dor (C1) res along ed Iron (C4	Living Ro I)	V S [[ots (C3) [Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bu	s (B1) (Riverir eposits (B2) (R ts (B3) (Riveri atterns (B10) Water Table (rrows (C8)	ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N ts (B3) (Nonriv Cracks (B6)	i one required; erine) onriverine) rerine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence c Recent Iro	(B11) of (B12) vertebrate Sulfide Oo hizosphe of Reduce n Reduction	dor (C1) res along d Iron (C4 on in Tille	Living Ro I)	V S [[ots (C3) [Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bu	s (B1) (Riverir eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N rs (B3) (Nonriv	i one required; erine) onriverine) rerine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence c Recent Iro	(B11) of (B12) vertebrate Sulfide Oo hizosphe of Reduce n Reduction	dor (C1) res along d Iron (C4 on in Tille	Living Ro I)	V S [ots (C3) [C 6) S	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation V Shallow Aqu	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) ⁷ isible on Aeria uitard (D3)	ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/ Water Marks Sediment De Drift Deposit Surface Soil Inundation V	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N ts (B3) (Nonriv Cracks (B6)	f one required; erine) onriverine) erine) I Imagery (B7)	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence c Recent Iro	(B11) et (B12) vertebrate Sulfide Oc thizosphe of Reduce n Reduction Surface (dor (C1) res along d Iron (C4 on in Tille C7)	Living Ro I)	V S [ots (C3) [C 6) S	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation V	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) ⁷ isible on Aeria uitard (D3)	ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/ Water Marks Sediment De Drift Deposit Surface Soil Inundation V	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N ts (B3) (Nonriv Cracks (B6) /isible on Aerial ed Leaves (B9) ons:	i one required; erine) onriverine) erine) I Imagery (B7)	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence o Recent Iro Thin Muck Other (Exp	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reducti Surface (Itain in Re	dor (C1) res along ed Iron (C4 on in Tille C7) marks)	Living Ro) d Soils (C	V S [ots (C3) [C 6) S	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation V Shallow Aqu	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) ⁷ isible on Aeria uitard (D3)	ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/ Water Marks Sediment De Drift Deposit Surface Soil Inundation V Water-Staine	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N ts (B3) (Nonriv Cracks (B6) /isible on Aerial ed Leaves (B9) ons:	i one required; erine) onriverine) erine) I Imagery (B7)	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence o Recent Iro Thin Muck Other (Exp	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reducti Surface (Itain in Re	dor (C1) res along ed Iron (C4 on in Tille C7) marks)	Living Ro) d Soils (C	V S [ots (C3) [C 6) S	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation V Shallow Aqu	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) ⁷ isible on Aeria uitard (D3)	ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator Surface Wat High Water Saturation (/ Water Marks Sediment De Drift Deposit Surface Soil Inundation V Water-Stain Field Observation	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N- rs (B3) (Nonriv Cracks (B6) Visible on Aerial ed Leaves (B9) ons: resent?	f one required; arine) onriverine) rerine) I Imagery (B7)) Yes No	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized R Presence o Recent Iro Thin Muck Other (Exp	(B11) et (B12) vertebrate Sulfide Oc hizosphe of Reduce n Reduction Surface (lain in Re ches):	dor (C1) res along ed Iron (C4 on in Tille C7) marks)	Living Ro I) d Solls (C	V S [ots (C3) [C 6) S	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bu Saturation V Shallow Aqu	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) ⁷ isible on Aeria uitard (D3)	ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N s (B3) (Nonriv Cracks (B6) Visible on Aerial ed Leaves (B9) ons: resent? sent?	i one required; erine) onriverine) rerine) I Imagery (B7) Yes No Yes No	Salt Crust Biotic Crus Aquatic Inv Aquatic Inv Aquatic Inv Oxidized R Presence o Recent Iro Thin Muck Other (Exp Depth (inc	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reduction Surface (valain in Re ches):	dor (C1) res along ed Iron (C4 on in Tille C7) marks)	Living Ro 4) d Soils (C	V C C ots (C3) C C 6) S F	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bun Saturation V Shallow Aqu FAC-Neutra	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) Visible on Aeria aitard (D3) I Test (D5)	ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (No ts (B3) (Nonriv Cracks (B6) Visible on Aerial ed Leaves (B9) ons: resent? sent? nt?	i one required; erine) onriverine) rerine) I Imagery (B7) Yes No Yes No	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized R Presence o Recent Iro Thin Muck Other (Exp	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reduction Surface (valain in Re ches):	dor (C1) res along ed Iron (C4 on in Tille C7) marks)	Living Ro 4) d Soils (C	V S [ots (C3) [C 6) S	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bun Saturation V Shallow Aqu FAC-Neutra	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) Visible on Aeria aitard (D3) I Test (D5)	ne) Riverine) ne) C2)
IYDROLOGY Wetland Hydroi Primary Indicator Surface Wat High Water Saturation (/ Water Marks Sediment De Drift Deposit Surface Soil Inundation V Water-Stainet Field Observatio Surface Water Prese (includes capillar	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N ts (B3) (Nonrive cracks (B6) visible on Aerial ed Leaves (B9) ons: resent? sent? sent? y fringe)	f one required; onriverine) rerine) I Imagery (B7) Yes No Yes No Yes No	Salt Crust Biotic Crus Aquatic Inv Aquatic Inv Aquatic Inv Oxidized R Presence o Recent Iro Thin Muck Other (Exp Depth (inc	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reduction Surface (valain in Re ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) marks)	Living Ro 4) d Soils (C	V C C ots (C3) C 6) S F	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bun Saturation V Shallow Aqu FAC-Neutra	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) Visible on Aeria aitard (D3) I Test (D5)	ne) Riverine) ne) C2)
IYDROLOGY Wetland Hydroi Primary Indicator Surface Wat High Water Saturation (/ Water Marks Sediment De Drift Deposit Surface Soil Inundation V Water-Stainet Field Observatio Surface Water Prese (includes capillar	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N ts (B3) (Nonrive cracks (B6) visible on Aerial ed Leaves (B9) ons: resent? sent? sent? y fringe)	f one required; onriverine) rerine) I Imagery (B7) Yes No Yes No Yes No	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence o Recent Iro Thin Muck Other (Exp Depth (inc Depth (inc	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reduction Surface (valain in Re ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) marks)	Living Ro 4) d Soils (C	V C C ots (C3) C 6) S F	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bun Saturation V Shallow Aqu FAC-Neutra	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) Visible on Aeria aitard (D3) I Test (D5)	ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N ts (B3) (Nonrive cracks (B6) visible on Aerial ed Leaves (B9) ons: resent? sent? sent? y fringe)	f one required; onriverine) rerine) I Imagery (B7) Yes No Yes No Yes No	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence o Recent Iro Thin Muck Other (Exp Depth (inc Depth (inc	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reduction Surface (valain in Re ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) marks)	Living Ro 4) d Soils (C	V C C ots (C3) C 6) S F	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bun Saturation V Shallow Aqu FAC-Neutra	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) Visible on Aeria aitard (D3) I Test (D5)	ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N ts (B3) (Nonrive cracks (B6) visible on Aerial ed Leaves (B9) ons: resent? sent? sent? y fringe)	f one required; onriverine) rerine) I Imagery (B7) Yes No Yes No Yes No	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence o Recent Iro Thin Muck Other (Exp Depth (inc Depth (inc	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reduction Surface (valain in Re ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) marks)	Living Ro 4) d Soils (C	V C C ots (C3) C 6) S F	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bun Saturation V Shallow Aqu FAC-Neutra	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) Visible on Aeria aitard (D3) I Test (D5)	ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N ts (B3) (Nonrive cracks (B6) visible on Aerial ed Leaves (B9) ons: resent? sent? sent? y fringe)	f one required; onriverine) rerine) I Imagery (B7) Yes No Yes No Yes No	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence o Recent Iro Thin Muck Other (Exp Depth (inc Depth (inc	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reduction Surface (valain in Re ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) marks)	Living Ro 4) d Soils (C	V C C ots (C3) C 6) S F	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bun Saturation V Shallow Aqu FAC-Neutra	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) Visible on Aeria aitard (D3) I Test (D5)	ne) Riverine) ne) C2)
HYDROLOGY Wetland Hydrol Primary Indicator	ogy Indicators rs (minimum of ter (A1) Table (A2) A3) s (B1) (Nonrive eposits (B2) (N ts (B3) (Nonrive cracks (B6) visible on Aerial ed Leaves (B9) ons: resent? sent? sent? y fringe)	f one required; onriverine) rerine) I Imagery (B7) Yes No Yes No Yes No	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R Presence o Recent Iro Thin Muck Other (Exp Depth (inc Depth (inc	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce n Reduction Surface (valain in Re ches): ches):	dor (C1) res along ed Iron (C4 on in Tille C7) marks)	Living Ro 4) d Soils (C	V C C ots (C3) C 6) S F	Vater Marks Sediment D Drift Deposi Drainage Pa Dry-Season Crayfish Bun Saturation V Shallow Aqu FAC-Neutra	s (B1) (Riveri r eposits (B2) (F ts (B3) (Riveri atterns (B10) Water Table (rrows (C8) Visible on Aeria aitard (D3) I Test (D5)	ne) Riverine) ne) C2)

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: STEVEN'S CREEK QUARRY	City/County: CUPERTINO	_ Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	State: CA	Sampling Point: 4
Investigator(s): A. VAN ZUUK, M. TRUEBLOOD	Section, Township, Range:	
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):	Slope (%):
Subregion (LRR): Lat:	Long:	Datum:
Soil Map Unit Name:	NWI classif	ication:
Are climatic / hydrologic conditions on the site typical for this time of	of year? Yes No (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology significa	antly disturbed? Are "Normal Circumstances"	present? Yes 🖌 No
Are Vegetation, Soil, or Hydrology naturally	y problematic? (If needed, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ing sampling point locations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	Is the Sampled Area	1
Wetland Hydrology Present? Yes No	— within a Wetland? Yes <u>v</u>	No
Remarks:	and a second	
		All provide the second provide t

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:) 1. UMBELLULAPIA 2.	10	Species?	t Indicator Status FAC	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2 Total Number of Dominant
3 4 Sapling/Shrub Stratum (Plot size:)	10	_ = Total Co	over	Species Across All Strata: 2. (B) Percent of Dominant Species 100 (A/B)
1 2 3 4				Prevalence Index worksheet:
5		_ = Total Co	vər	FACU species x 4 = UPL species x 5 =
1. <u>TYPHA SP.</u> 2. <u>SALIX SP.</u> 3	6	Y N	OBL FACW	Column Totals: (A) (B) Prevalence Index = B/A =
4 5				Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0 ¹
67 7 8				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
<u>Woody Vine Stratum</u> (Plot size:) 1	-	_= Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
 2		= Total Co		Hydrophytic Vegetation Present? Yes No
Remarks:				

Profile Description: (Describe to th Depth Matrix	e aeptn n	Acres 122 - The State	Features		or contirm	I the absence of	indicators.)
	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2" 5GN 1/4 11	00			-	-	SILTY LOAM	ORGANIC MATTER SILT
2-11" NO COLOR 1	00		-	-		SAUD	COARSE
	00				-		
			<u></u>				
¹ Type: C=Concentration, D=Depletion Hydric Soll Indicators: (Applicable — Histosol (A1) — Histic Epipedon (A2) — Black Histic (A3) — Hydrogen Sulfide (A4) — Stratified Layers (A5) (LRR C) — 1 cm Muck (A9) (LRR D) — Depleted Below Dark Surface (A1 — Thick Dark Surface (A12)	to all LRF		wise note x (S5) trix (S6) xy Mineral ed Matrix dutrix (F3) Surface (i rk Surface	ed.) (F1) (F2) F6) e (F7)	d Sand Gr	Indicators fo 1 cm Mu 2 cm Mu Reduced Red Pare Other (E)	ion: PL=Pore Lining, M=Matrix. r Problematic Hydric Solls ³ : ck (A9) (LRR C) ck (A10) (LRR B) Vertic (F18) ont Material (TF2) kplain in Remarks) hydrophytic vegetation and
Sandy Mucky Mineral (S1)		Vernal Pools		-,		wetland hy	drology must be present,
Sandy Gleyed Matrix (S4)				1		unless dist	urbed or problematic.
Restrictive Layer (if present): Type: Depth (inches):		246	Y			Hydric Soil Pr	resent? Yes No
TOP 2" GLEYED (SOI	L) ->	layee of	COARSE	e sand	> \	NATER TAI	3LE.
TOP 2" GLEYED (SOI	L) ->	layer of	CARSE	e sand	> \	NATER TAI	3LE.
TOP 2" GLEYED (SON	L) →	LAYER OF	COARSE	e sand	> \	NATER TAI	BLE.
TIP 2" &LEYED (SON YDROLOGY Wetland Hydrology Indicators:		5 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m		i sand	> \		
TOP 2 [°] &LEYED (SOU Wetland Hydrology Indicators: Primary Indicators (minimum of one re-		eck all that apply)	i sand	> \	Seconda	ry Indicators (2 or more required)
TOP 2" &LEYED (SOU IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one ready Surface Water (A1)		eck all that apply Salt Crust () B11)	e sand	> ,	<u>Seconda</u> Wat	ry Indicators (2 or more required) er Marks (B1) (Riverine)
TOP 2" GLEYED (SON IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re- Surface Water (A1) High Water Table (A2)		eck all that apply Salt Crust (Biotic Crust) B11) i (B12)			<u>Seconda</u> Wat Sed	rry Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine)
TOP 2 [°] GLEYED (Sou IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3)		eck all that apply Salt Crust (Biotic Crust Aquatic Inv) B11) I (B12) ertebrates	s (B13)		<u>Seconda</u> Wat Sed Driff	rry Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine)
TOP 2 [°] GLEYED (Sou IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re- Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	quired; ch	eck all that apply Salt Crust (Biotic Crust Aquatic Inve Hydrogen S) B11) I (B12) ertebrates Sulfide Od	s (B13) lor (C1)	9	<u>Seconda</u> Wat Sed Driff Drai	rry Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10)
TOP 2 [°] GLEYED (Sou IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re- Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver	quired; ch	eck all that apply Salt Crust (Biotic Crust Aquatic Inve Hydrogen S Oxidized R) B11) I (B12) ertebrates Sulfide Od hizospher	s (B13) lor (C1) res along L	iving Roo	<u>Seconda</u> Wat Sed Drift Drai ts (C3) Dry-	rry Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2)
TOP 2 [°] GLEYED (Sou IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re- Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	quired; ch	eck all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o) B11) t (B12) ertebrates Sulfide Od hizospher f Reduced	s (B13) lor (C1) res along l d Iron (C4	iving Roo	<u>Seconda</u> Wat Sed Drifi ts (C3) Dry- Craj	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8)
TOP 2° &LEYED (Sou IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one real Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	quired: ch	eck all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron) B11) t (B12) ertebrates Sulfide Od hizospher f Reduced Reductio	s (B13) lor (C1) res along l d Iron (C4 on in Tilled	iving Roo	<u>Seconda</u> Wat Sed Drifi ts (C3) Dry- Cray) Satu	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) iration Visible on Aerial Imagery (C9)
TOP 2° &LEYED (Sou IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re- Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Image	quired: ch	eck all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S) B11) t (B12) ertebrates Sulfide Od hizospher f Reduced t Reductic Surface ((s (B13) lor (C1) res along L d Iron (C4 on in Tilled C7)	iving Roo	<u>Seconda</u> Wat Sed Drift ts (C3)Dry- Cray)Satu Sha	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) irration Visible on Aerial Imagery (C9)
TOP 2° GLEYED (Sou IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re- Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Water-Stained Leaves (B9)	quired: ch	eck all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron) B11) t (B12) ertebrates Sulfide Od hizospher f Reduced t Reductic Surface ((s (B13) lor (C1) res along L d Iron (C4 on in Tilled C7)	iving Roo	<u>Seconda</u> Wat Sed Drift ts (C3)Dry- Cray)Satu Sha	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) iration Visible on Aerial Imagery (C9)
TOP 2 [°] &LEYED (Sou IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re- Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Water-Stained Leaves (B9) Field Observations:	quired: ch rine) rry (B7)	eck all that apply Salt Crust (Biotic Crust Aquatic Inve Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl) B11) ertebrates Sulfide Od hizospher f Reduced Reductic Surface (C ain in Rer	s (B13) lor (C1) res along L d Iron (C4 on in Tilled C7)	iving Roo	<u>Seconda</u> Wat Sed Drift ts (C3)Dry- Cray)Satu Sha	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) irration Visible on Aerial Imagery (C9)
TOP 2° GLEYED (Sou Wetland Hydrology Indicators: Primary Indicators (minimum of one re- Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes	quired: ch rine) rry (B7)	eck all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl) B11) t (B12) ertebrates Sulfide Od hizospher f Reduced n Reductio Surface (C ain in Rer hes):	s (B13) lor (C1) es along L d Iron (C4 on in Tilled C7) marks)	iving Roo	<u>Seconda</u> Wat Sed Drift ts (C3)Dry- Cray)Satu Sha	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) irration Visible on Aerial Imagery (C9)
Top 2* GLEYED (Souther States of Souther States of So	quired: ch rine) rry (B7)	eck all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Oxidized Ri Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl) B11) ertebrates Sulfide Od hizospher f Reduced Reductic Surface ((ain in Rer hes):	s (B13) lor (C1) res along L d Iron (C4 on in Tilled C7) marks) 7/1 *	iving Roo) Soils (C6	<u>Seconda</u> 	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) irration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) :-Neutral Test (D5)
Top 2* GLEYED (Souther Souther	quired: ch rine) rry (B7)	eck all that apply Salt Crust (Salt Crust (Aquatic Inv. Hydrogen S Coxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl) B11) ertebrates Sulfide Od hizospher f Reductic Surface ((ain in Rer hes): hes):	s (B13) lor (C1) res along L d Iron (C4 on in Tilled C7) marks) 711 ^{°°}	iving Roo) Soils (C6)	<u>Seconda</u> Wat Sed Drift ts (C3) Dry- Cray Sha Sha FAC	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) irration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) :-Neutral Test (D5)
IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one register of the second s	quired: ch rine) rry (B7)	eck all that apply Salt Crust (Salt Crust (Aquatic Inv. Hydrogen S Coxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl) B11) ertebrates Sulfide Od hizospher f Reductic Surface ((ain in Rer hes): hes):	s (B13) lor (C1) res along L d Iron (C4 on in Tilled C7) marks) 711 ^{°°}	iving Roo) Soils (C6)	<u>Seconda</u> Wat Sed Drift ts (C3) Dry- Cray Sha Sha FAC	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) irration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) :-Neutral Test (D5)
T3P 2* GLEYED (Souther Souther	quired: ch rine) rry (B7)	eck all that apply Salt Crust (Salt Crust (Aquatic Inv. Hydrogen S Coxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl) B11) ertebrates Sulfide Od hizospher f Reductic Surface ((ain in Rer hes): hes):	s (B13) lor (C1) res along L d Iron (C4 on in Tilled C7) marks) 711 ^{°°}	iving Roo) Soils (C6)	Seconda Wat Sed Drift Drai Drai Cray Satu Sha FAC and Hydrology F f available:	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) irration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) :-Neutral Test (D5)
T3P 2* GLEYED (Souther state in the sta	quired: ch rine) rry (B7)	eck all that apply Salt Crust (Salt Crust (Aquatic Inv. Hydrogen S Coxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl) B11) ertebrates Sulfide Od hizospher f Reductic Surface ((ain in Rer hes): hes):	s (B13) lor (C1) res along L d Iron (C4 on in Tilled C7) marks) 711 ^{°°}	iving Roo) Soils (C6)	<u>Seconda</u> Wat Sed Drift ts (C3) Dry- Cray Sha Sha FAC	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) irration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) :-Neutral Test (D5)
T3P 2* GLEYED (Souther Souther	quired: ch rine) rry (B7)	eck all that apply Salt Crust (Salt Crust (Aquatic Inv. Hydrogen S Coxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl) B11) ertebrates Sulfide Od hizospher f Reductic Surface ((ain in Rer hes): hes):	s (B13) lor (C1) res along L d Iron (C4 on in Tilled C7) marks) 711 ^{°°}	iving Roo) Soils (C6)	Seconda Wat Sed Drift Drai Drai Cray Satu Sha FAC and Hydrology F f available:	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) irration Visible on Aerial Imagery (C9) Ilow Aquitard (D3) :-Neutral Test (D5)
T3P 2* GLEYED (Souther Souther	quired: ch rine) rry (B7)	eck all that apply Salt Crust (Salt Crust (Aquatic Inv. Hydrogen S Coxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl) B11) ertebrates Sulfide Od hizospher f Reductic Surface ((ain in Rer hes): hes):	s (B13) lor (C1) res along L d Iron (C4 on in Tilled C7) marks) 711 ^{°°}	iving Roo) Soils (C6)	Seconda Wat Sed Drift Drai Drai Cray Satu Sha FAC and Hydrology F f available:	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) irration Visible on Aerial Imagery (C9) llow Aquitard (D3) :-Neutral Test (D5)
Top 2* GLEYED (Souther Souther	quired: ch rine) rry (B7)	eck all that apply Salt Crust (Salt Crust (Aquatic Inv. Hydrogen S Coxidized RI Presence o Recent Iron Thin Muck S Other (Expl Depth (incl Depth (incl) B11) ertebrates Sulfide Od hizospher f Reductic Surface ((ain in Rer hes): hes):	s (B13) lor (C1) res along L d Iron (C4 on in Tilled C7) marks) 711 ^{°°}	iving Roo) Soils (C6)	Seconda Wat Sed Drift Drai Drai Cray Satu Sha FAC and Hydrology F f available:	ery Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) irration Visible on Aerial Imagery (C9 Ilow Aquitard (D3) :-Neutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region

Project/Site: STEVENS CREEK QUARRY	City/County: CUPERTINO Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	State: CA Sampling Point: 4A
Investigator(s): A. VAN ZUUK, M. TRUEBLOOD	Section, Township, Range:
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none): Slope (%):
Subregion (LRR): La	at: Long: Datum:
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time Are Vegetation, Soil, or Hydrology signifi	
Are Vegetation, Soil, or Hydrology natura	ally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sho	owing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	is the Sampled Area
Remarks: SLIDE FILL FROM WINTER SETTLE	0 AT LOCATION.

VEGETATION – Use scientific names of plants.

	Absolute Dominant Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1)	<u>% Cover Species? Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC:
2		Total Number of Dominant
3		Species Across All Strata: (B)
4		Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)	= Total Cover	That Are OBL, FACW, or FAC: (A/B)
1		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 =
4		FACW species x 2 =
5		FAC species x 3 =
	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)		UPL species x 5 =
		Column Totals: (A) (B)
2		
3		Prevalence Index = B/A =
4		Hydrophytic Vegetation Indicators:
5		Dominance Test is >50%
6		Prevalence Index is ≤3.0 ¹
7		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8		Problematic Hydrophytic Vegetation ¹ (Explain)
	= Total Cover	
Woody Vine Stratum (Plot size:)	1 () () () () () () () () () (¹ Indicators of hydric soil and wetland hydrology must
1		be present, unless disturbed or problematic.
2		
	= Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % C	over of Biotic Crust	Present? Yes <u>No</u>
Remarks: NO VEGETATION OUE TO RE	LENT SOIL FILL SETTLE	MENT (DISCHARGED FROM HILLSIDE).
DID NOT USE CRITERION.		

Sampling Point: 4A

	Matrix		Redox Features	1 . 1	
(inches)	Color (moist)	%	Color (moist) % Ty	pe ¹ Loc ²	Texture Remarks
0-3"	10 YR 3/4	100			COARSE SAND
3-6"	10 YR 3/2	100			COADSE SAND
6-14"	10 11 2.5/1	100			sand gleyed
			educed Matrix, CS=Covered or C Rs, unless otherwise noted.)	Coated Sand Grai	ins. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
Histosol			Sandy Redox (S5)		1 cm Muck (A9) (LRR C)
_	pipedon (A2)		Stripped Matrix (S6)		2 cm Muck (A10) (LRR B)
Black Hi			Loamy Mucky Mineral (F1))	Reduced Vertic (F18)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)		Red Parent Material (TF2)
	Layers (A5) (LRR C)		Depleted Matrix (F3)		Other (Explain in Remarks)
	ick (A9) (LRR D)	(A11)	Redox Dark Surface (F6)	7)	
	Below Dark Surface Ark Surface (A12)	(~11)	Depleted Dark Surface (F7 Redox Depressions (F8))	³ Indicators of hydrophytic vegetation and
_ /	lucky Mineral (S1)		Vernal Pools (F9)		wetland hydrology must be present,
-	ileyed Matrix (S4)				unless disturbed or problematic.
testrictive l	ayer (if present):				
Туре:			_		
Depth (ind	ches):		-	1.1.1.1.1.1.1.1.1	Hydric Soil Present? Yes No
	ches):				Hydric Soil Present? Yes <u>No</u> No
Remarks: YDROLO	vie to to				Hydric Soil Present? Yes <u>No</u> No
Remarks: YDROLO Vetland Hyd	GY	e required; c	heck all that apply)		Hydric Soil Present? Yes No
YDROLO Yetland Hyd Yrimary Indic &urface	GY Irology Indicators: ators (minimum of one Water (A1)	e required; cl	Salt Crust (B11)		
YDROLO YDROLO Vetland Hyo Yrimary Indic Surface High Wa	GY Irology Indicators: ators (minimum of one Water (A1) ter Table (A2)	e required; cl	Salt Crust (B11) Biotic Crust (B12)		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
YDROLO YDROLO Vetland Hyo Primary Indic Surface High Wa Saturatic	GY Irology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3)		Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Primary Indic Surface High Wa Saturatic Water M	GY Irology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin	e)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C	21)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Primary Indic Surface High Wa Saturatic Water M Sedimen	GY irology Indicators: <u>iators (minimum of one</u> Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin t Deposits (B2) (Non	e) iverine)	 Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al 	C1) long Living Roots	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) s (C3) Dry-Season Water Table (C2)
YDROLO Yetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep	GY trology Indicators: <u>tators (minimum of one</u> Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin t Deposits (B2) (Nonr iosits (B3) (Nonriverin	e) iverine)	 Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror 	C1) long Living Roots n (C4)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) s (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
YDROLO Yetland Hyd Yetland Hyd Yetland Hyd Saturface High Wa Saturatic Saturatic Saturatic Saturatic Dift Dep Surface	GY Irology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin t Deposits (B2) (Nonriverin sosits (B3) (Nonriverin Soil Cracks (B6)	e) iverine) ne)	 Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror Recent Iron Reduction in 	C1) long Living Roots n (C4)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
YDROLO YDROLO Yetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic	GY Irology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin to Deposits (B2) (Nonriverin Soil Cracks (B6) on Visible on Aerial Im	e) iverine) ne)	 Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror Recent Iron Reduction in Thin Muck Surface (C7) 	C1) long Living Roots n (C4) Tilled Soils (C6)	 Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
YDROLO YDROLO Yetland Hyo Yrimary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-St	GY frology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin to Deposits (B2) (Nonriverin soil Cracks (B6) on Visible on Aerial Im ained Leaves (B9)	e) iverine) ne)	 Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror Recent Iron Reduction in 	C1) long Living Roots n (C4) Tilled Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) s (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
YDROLO Yetland Hyo Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-St Ield Obser	GY trology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin t Deposits (B2) (Nonriverin tosits (B3) (Nonriverin Soil Cracks (B6) on Visible on Aerial Im ained Leaves (B9) rations:	e) iverine) ne) agery (B7)	 Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remarks) 	C1) long Living Roots n (C4) Tilled Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) s (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
YDROLO Yetland Hyo Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-St ield Observior	GY arology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin t Deposits (B2) (Nonriverin soils (B3) (Nonriverin Soil Cracks (B6) on Visible on Aerial Im ained Leaves (B9) vations: or Present? Yes	e) iverine) ne) agery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches):	C1) long Living Roots n (C4) Tilled Soils (C6) s)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) s (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
VDROLO Vetland Hyd Vetland Hyd Vetland Hyd Saurface High Wa Saturatic Water M Sedimen Sufface Unift Dep Sufface Inundatic Water-St Vater Table	GY frology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin to Deposits (B2) (Nonriverin Soil Cracks (B6) on Visible on Aerial Im ained Leaves (B9) rations: or Present? Yes Present? Yes	e) iverine) ne) agery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 7 11	C1) long Living Roots n (C4) Tilled Soils (C6) s)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) G(C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLO Yetland Hyo Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si ield Observice Vater Table naturation Pr	GY irology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin t Deposits (B2) (Nonriverin soil Cracks (B6) on Visible on Aerial Im ained Leaves (B9) vations: or Present? Yes esent? Yes	e) iverine) ne) agery (B7) 5 No 5 No	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches):	C1) long Living Roots n (C4) Tilled Soils (C6) s)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) s (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-St Field Obser Surface Water Surface Surface Sur	GY trology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin t Deposits (B2) (Nonriverin tosits (B3) (Nonriverin Soil Cracks (B6) on Visible on Aerial Im ained Leaves (B9) rations: or Present? Yes esent? Yes esent? Yes esent? Yes	e) iverine) ne) agery (B7) 5 5 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): 7 11	C1) long Living Roots n (C4) Tilled Soils (C6) s) 	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) and Hydrology Present? Yes No
Permarks: PUROLO Vetland Hyo Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Mater-St Field Obsern Surface Water Surface Water Surf	GY trology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin t Deposits (B2) (Nonriverin tosits (B3) (Nonriverin Soil Cracks (B6) on Visible on Aerial Im ained Leaves (B9) rations: or Present? Yes esent? Yes esent? Yes esent? Yes	e) iverine) ne) agery (B7) 5 5 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): Depth (inches): C	C1) long Living Roots n (C4) Tilled Soils (C6) s) 	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) and Hydrology Present? Yes No
Primary Indic Primary Indic Primary Indic Primary Indic Primary Indic Surface High Wat Saturatic Water M Sedimen Drift Dep Surface Inundatic Water-Si Field Observ Surface Water Surface Water Surface Water Saturation Principle Secribe Rec	GY trology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin t Deposits (B2) (Nonriverin tosits (B3) (Nonriverin Soil Cracks (B6) on Visible on Aerial Im ained Leaves (B9) rations: or Present? Yes esent? Yes esent? Yes esent? Yes	e) iverine) ne) agery (B7) s No s No s No auge, monito	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches):	21) long Living Roots n (C4) Tilled Soils (C6) s) v v v w w tetlan s inspections), if	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) ad Hydrology Present? Yes No
YDROLO Vetland Hyo Primary Indic Surface High Wa Saturatic Water M Sedimen Drift Dep Surface Unundatic Water-St Ield Obser urface Water Vater Table aturation Pr ncludes cap vescribe Rec	GY trology Indicators: ators (minimum of one Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin t Deposits (B2) (Nonriverin tosits (B3) (Nonriverin Soil Cracks (B6) on Visible on Aerial Im ained Leaves (B9) rations: or Present? Yes esent? Yes esent? Yes esent? Yes	e) iverine) ne) agery (B7) s No s No auge, monito	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (C Oxidized Rhizospheres al Presence of Reduced Iror Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remarks Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches):	21) long Living Roots n (C4) Tilled Soils (C6) s) v v v w w tetlan s inspections), if	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) and Hydrology Present? Yes No

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: STEVENS CREEK QUARRY	City/County: CUPERTINO Sampling	Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	State: CA Sampling	Point: 48
Investigator(s): A. VAN ZUUK, M. TRUEBLOOD	_ Section, Township, Range:	16 W 20 - 1
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):	Slope (%):
Subregion (LRR): Lat:	Long:	Datum:
Soil Map Unit Name:	NWI classification:	
Are climatic / hydrologic conditions on the site typical for this time of y Are Vegetation, Soil, or Hydrology significantly Are Vegetation, Soil, or Hydrology naturally pi	oroblematic? (If needed, explain any answers in Rema	rks.)
SUMMARY OF FINDINGS – Attach site map showing Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: UPLAND POINT,	Ig sampling point locations, transects, import - Is the Sampled Area - within a Wetland? Yes No	1

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?		Dominance Test worksheet:		
1. UMBELLULARIA CALIFORNICA	60		FAL	Number of Dominant Species That Are OBL, FACW, or FAC:	3	(A)
2				Total Number of Dominant		. ,
3				Species Across All Strata:	4	(B)
4 Sapling/Shrub Stratum (Plot size:)	60	= Total Co	ver	Percent of Dominant Species That Are OBL, FACW, or FAC:	75	(A/B)
1. RUBUS URSINUS	25	Y	FAL	Prevalence Index worksheet:		
2. ORYOPTERIS ARGUTA	20	- Y -	FACW	Total % Cover of:	Multiply by:	
3				OBL species x	1 =	
4				FACW species x	2 =	
5				FAC species x	3 =	
	45	= Total Co	ver	FACU species x	4 =	
Herb Stratum (Plot size:)				UPL species x	5 =	_
1. TOXICODENDRON DIVERSILOBUM		<u>Y</u>	FACU	Column Totals: (A	A)	_ (B)
2						
3				Prevalence Index = B/A =		
4				Hydrophytic Vegetation Indica	ators:	
5				✓ Dominance Test is >50%		
6				Prevalence Index is ≤3.0 ¹	a la service a com	
7				Morphological Adaptations ¹ data in Remarks or on a	(Provide suppor separate sheet)	ting
8				Problematic Hydrophytic Ve		
Manda Mine Charter (District)	20	= Total Co	ver		gotation (Expla	,
Woody Vine Stratum (Plot size:)		513		¹ Indicators of hydric soil and we	tland hydrology r	nust
1				be present, unless disturbed or		
2		= Total Co		Hydrophytic	/	
% Bare Ground in Herb Stratum % Cove				Vegetation	No	
Remarks:						

Sampling Point: 48

Profile Description: (Describe to the	and the base of a strategy of the second		or confirm t	ine absence of Ind	
Depth <u>Matrix</u> (inches) Color (moist) %		Features	1 002	Texture	Remarks
		<u>% Type</u> ¹	_Loc ²		Remarks
0-12" 104R 2/2 10	0		C	SILTY LOAM	tervier water de
¹ Type: C=Concentration, D=Depletion, Hydric Soil Indicators: (Applicable t			d Sand Grai		PL=Pore Lining, M=Matrix.
		NUMBER OF STREET			A STATE OF A
Histosol (A1)	Sandy Redo			1 cm Muck (A	
Histic Epipedon (A2) Black Histic (A3)	Stripped Mat	(S6) (y Mineral (F1)		2 cm Muck (A	
Hydrogen Sulfide (A4)		ed Matrix (F2)		Red Parent M	
Stratified Layers (A5) (LRR C)	Depleted Ma	. ,			n in Remarks)
1 cm Muck (A9) (LRR D)		Surface (F6)			
Depleted Below Dark Surface (A11		rk Surface (F7)			
Thick Dark Surface (A12)	Redox Depre			³ Indicators of hvdi	ophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools				gy must be present,
Sandy Gleyed Matrix (S4)		X Y			d or problematic.
Restrictive Layer (if present):			(in)	AN LA SSA	LAND ALBERT COLLABORANT
Туре:					
Depth (inches): Remarks:				Hydric Soil Prese	
Remarks:					şairtisən ənsası
Remarks:					
Remarks: IYDROLOGY Wetland Hydrology Indicators:	94 ST				sofreer sasas Sofreer sasas
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one rec	uired; check all that apply)		Secondary Ir	and and a constant an
Remarks: IYDROLOGY Wetland Hydrology Indicators:	94 ST)		Secondary Ir	sofreer sasas Sofreer sasas
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one rec	uired: check all that apply Salt Crust (Biotic Crust) B11) i (B12)		<u>Secondary Ir</u> Water M Sedimer	Andrasic 20205 Andrasic 2019 (2020) adicators (2 or more required) arks (B1) (Riverine) tt Deposits (B2) (Riverine)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one rec 	uired: check all that apply Salt Crust (Biotic Crust) B11)		<u>Secondary Ir</u> Water M Sedimer	dicators (2 or more required) arks (B1) (Riverine)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2)	uired: check all that apply Salt Crust (Biotic Crust Aquatic Inve) B11) i (B12)		<u>Secondary Ir</u> Water M Sedimer Drift Dep	Andrasic 20205 Andrasic 2019 (2020) adicators (2 or more required) arks (B1) (Riverine) tt Deposits (B2) (Riverine)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3)	uired: check all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S) B11) (B12) ertebrates (B13)	eu 114	<u>Secondary Ir</u> Water M Sedimer Drift Dep Drainage	dicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) oosits (B3) (Riverine)
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	uired: check all that apply Salt Crust (Biotic Crust Aquatic Inve Hydrogen S Ine) Oxidized R) B11) i (B12) ertebrates (B13) Sulfide Odor (C1)	Living Roots	Secondary Ir Water M Sedimer Drift Dep Drainage (C3) Dry-Sea	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10)
Remarks: IYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one rec</u> 	uired: check all that apply Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Ine) Oxidized Ri Presence o) B11) (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along I	Living Roots	Secondary Ir Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	uired; check all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Ine) Oxidized Ri Presence o Recent Iron) B11) e (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4	Living Roots	<u>Secondary Ir</u> <u>Water M</u> Sedimer <u>Drift Dep</u> <u>Drainage</u> (C3) <u>Dry-Sea</u> <u>Crayfish</u> Saturatio	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one rec 	uired; check all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Ine) Oxidized Ri Presence o Recent Iron y (B7) Thin Muck S) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Tilled	Living Roots	<u>Secondary Ir</u> Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9
Remarks: IYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one rec</u> 	uired; check all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Ine) Oxidized Ri Presence o Recent Iron y (B7) Thin Muck S) B11) (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 I Reduction in Tilleo Surface (C7)	Living Roots	<u>Secondary Ir</u> Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow	adicators (2 or more required) arks (B1) (Riverine) th Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 Aquitard (D3)
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Water-Stained Leaves (B9) Field Observations:	uired; check all that apply Salt Crust (Biotic Crust Aquatic Invo Hydrogen S Ine) Oxidized Ri Presence o Recent Iron y (B7) Thin Muck S) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Tilled Surface (C7) ain in Remarks)	Living Roots	<u>Secondary Ir</u> Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow	adicators (2 or more required) arks (B1) (Riverine) th Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 Aquitard (D3)
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one reconstruction) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes	uired: check all that apply Salt Crust (Biotic Crust Aquatic Inve Hydrogen S Ine) Oxidized Ri Presence o Recent Iron y (B7) Thin Muck S Other (Expl) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Tilleo Surface (C7) ain in Remarks) hes):	Living Roots	<u>Secondary Ir</u> Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow	adicators (2 or more required) arks (B1) (Riverine) th Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 Aquitard (D3)
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one recomposition of the primary Indicators (minimum of one recomposition of the primary Indicators (Minimum of one recomposition of the primary Indicators)	uired: check all that apply Salt Crust (Biotic Crust Aquatic Inve Hydrogen S Ine)Oxidized Ri Presence o Recent Iron y (B7)Thin Muck S Other (Expl NoDepth (incl) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Tilled Surface (C7) ain in Remarks) hes): hes):	Living Roots) I Soils (C6)	<u>Secondary Ir</u> Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 Aquitard (D3) utral Test (D5)
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one recomposition of the primary Indicators (minimum of one recomposition of the primary Indicators (Minimum of one recomposition of the primary Indicators)	iuired: check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S ine)Oxidized Ri Presence o Recent Iron y (B7)Thin Muck s Other (Expl NoDepth (incl NoDepth (incl NoDepth (incl) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Tilleo Surface (C7) ain in Remarks) hes): 712° hes): 712° hes): 712°	Living Roots) d Soils (C6)	Secondary Ir Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow FAC-Ner d Hydrology Prese	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 Aquitard (D3) utral Test (D5)
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one recomposition of the primary Indicators (minimum of one recomposition of the primary Indicators (Minimum of one recomposition of the primary Indicators)	iuired: check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S ine)Oxidized Ri Presence o Recent Iron y (B7)Thin Muck s Other (Expl NoDepth (incl NoDepth (incl NoDepth (incl) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Tilleo Surface (C7) ain in Remarks) hes): 712° hes): 712° hes): 712°	Living Roots) d Soils (C6)	Secondary Ir Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow FAC-Ner d Hydrology Prese	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 Aquitard (D3) utral Test (D5)
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one recomposition of the primary Indicators (minimum of one recomposition (A1)	iuired: check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S ine)Oxidized Ri Presence o Recent Iron y (B7)Thin Muck s Other (Expl NoDepth (incl NoDepth (incl NoDepth (incl) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Tilleo Surface (C7) ain in Remarks) hes): 712° hes): 712° hes): 712°	Living Roots) d Soils (C6)	Secondary Ir Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow FAC-Ner d Hydrology Prese	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 Aquitard (D3) utral Test (D5)
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one recomposition of the primary Indicators (minimum of one recomposition of the primary Indicators (Minimum of one recomposition of the primary Indicators)	iuired: check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S ine)Oxidized Ri Presence o Recent Iron y (B7)Thin Muck s Other (Expl NoDepth (incl NoDepth (incl NoDepth (incl) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Tilleo Surface (C7) ain in Remarks) hes): 712° hes): 712° hes): 712°	Living Roots) d Soils (C6)	Secondary Ir Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow FAC-Ner d Hydrology Prese	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 Aquitard (D3) utral Test (D5)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one recomposition of the primary Indicators (minimum of one recomposition (A1)	iuired: check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S ine)Oxidized Ri Presence o Recent Iron y (B7)Thin Muck s Other (Expl NoDepth (incl NoDepth (incl NoDepth (incl) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Tilleo Surface (C7) ain in Remarks) hes): 712° hes): 712° hes): 712°	Living Roots) d Soils (C6)	Secondary Ir Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow FAC-Ner d Hydrology Prese	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 Aquitard (D3) utral Test (D5)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one recomposition of the primary indicators (minimum of one recomposition of the primary indicators (minimum of one recomposition of the primary indicators)	iuired: check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S ine)Oxidized Ri Presence o Recent Iron y (B7)Thin Muck s Other (Expl NoDepth (incl NoDepth (incl NoDepth (incl) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Tilleo Surface (C7) ain in Remarks) hes): 712° hes): 712° hes): 712°	Living Roots) d Soils (C6)	Secondary Ir Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow FAC-Ner d Hydrology Prese	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 Aquitard (D3) utral Test (D5)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one recomposition of the primary indicators (minimum of one recomposition of the primary indicators (minimum of one recomposition of the primary indicators)	iuired: check all that apply Salt Crust (Biotic Crust Aquatic Inv. Hydrogen S ine)Oxidized Ri Presence o Recent Iron y (B7)Thin Muck s Other (Expl NoDepth (incl NoDepth (incl NoDepth (incl) B11) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Tilleo Surface (C7) ain in Remarks) hes): 712° hes): 712° hes): 712°	Living Roots) d Soils (C6)	Secondary Ir Water M Sedimer Drift Dep Drainage (C3) Dry-Sea Crayfish Saturatic Shallow FAC-Ner d Hydrology Prese	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine) a Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9 Aquitard (D3) utral Test (D5)

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: STEVENS CREEK QUARRY	Cit	y/County: _	CUPER	TINO	Sampling Date:	10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC						
Investigator(s): A. VAN ZUUK, M. TRUEBLOOD	Se	ction, Town	ship, Rar	nge:	15、日本に対	377 3
Landform (hillslope, terrace, etc.):	Lo	ocal relief (c	oncave, c	convex, none):	Slo	pe (%):
Subregion (LRR):	Lat:			Long:	Datu	m:
Soil Map Unit Name:			/	NWI class	ification:	
Are climatic / hydrologic conditions/on the site typical for t			·			/
Are Vegetation, Soil, or Hydrology				Normal Circumstances		No
Are Vegetation, Soil, or Hydrology				eded, explain any ans		
						aturaa ata
SUMMARY OF FINDINGS – Attach site ma	p snowing s	ampling		cations, transec	sts, important re	atures, etc.
Hydrophytic Vegetation Present? Yes	No	Is the S	ampled	Агеа	/	
Hydric Soil Present? Yes			a Wetlan		No	
Wetland Hydrology Present? Yes	No					
VEGETATION Use scientific names of pla	ints.					-te (pro
		Dominant In	dicator	Dominance Test wo	vrkeheet.	
<u>Tree Stratum</u> (Plot size:) 1)	% Cover S	pecies? S	tatus	Number of Dominant That Are OBL, FACV	Species	(A)
23				Total Number of Don Species Across All S		(B)
4				Percent of Dominant That Are OBL, FACV		
1/				Prevalence Index w	orksheet:	
2				Total % Cover of	f: Multipl	y by:
3				OBL species	x 1 =	
4				FACW species	x 2 =	
5				FAC species	x 3 =	<u></u> _16
	=	Total Cover		FACU species	x 4 =	
Herb Stratum (Plot size:)				UPL species	x 5 =	
1				Column Totals:	(A)	(B)
2				Prevalence Ind	ex = B/A =	
4.				Hydrophytic Vegeta		
5.		101		Dominance Test		
6.				Prevalence Inde	x is ≤3.0 ¹	
?				Morphological A data in Rema	daptations ¹ (Provide rks or on a separate	supporting sheet)
8	_			Problematic Hyd	rophytic Vegetation ¹	(Explain)

= Total Cover

% Cover of Biotic Crust

= Total Cover

NO VEGETATION DUE TO ALL FROM RECENT LANDSLIDE. VEGETATION CRITERION NOT USED.

% Bare Ground in Herb Stratum

1.

2. _

Remarks:

Woody Vine Stratum (Plot size: _____)

No

¹Indicators of hydric soil and wetland hydrology must

be present, unless disturbed or problematic.

Yes

Hydrophytic Vegetation

Present?

Sampling Point: 4C

Profile Description	Matrix			x Feature	S		Yashik		082537161		
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	- Sector		Remark	S
0-12" 10	YR 3/4	100	<u></u>		_		SILTY SA	NQ	COBBL	H, LOAR	SE
<u> </u>											_
	_		• •	<u>X.</u>							
								_			
¹ Type: C=Concer Hydric Soil Indic						d Sand G				ore Lining, atic Hydri	M=Matrix. c Solls ³ :
Histosol (A1)			Sandy Red	ox (S5)			1 cm	Muck	(A9) (LR	RC)	
Histic Epipede	on (A2)		Stripped Ma						(A10) (L		
Black Histic (/	A3)		Loamy Muc	ky Minera	l (F1)				/ertic (F1		
Hydrogen Sul	fide (A4)		Loamy Gley	ed Matrix	(F2)		Red I	Paren	t Materia	(TF2)	
Stratified Laye	ers (A5) (LRR C	;)	Depleted M	atrix (F3)			Othe	r (Exp	lain in Re	emarks)	
1 cm Muck (A	9) (LRR D)		Redox Dark	CSurface ((F6)						
	ow Dark Surface	(A11)	Depleted D		• •		2.		-	-	
Thick Dark Su			Redox Dep		F8)					c vegetatio	
Sandy Mucky			Vernal Pool	s (F9)						st be pres	
Sandy Gleyed				VI			unless	distur	bed or pr	oblematic.	
Restrictive Layer	(if present):										
Туре:		_	-								
Depth (inches):											/
			-				Hydric So	il Pre	sent?	Yes	No
Remarks:		- 15 A					Hydric So	il Pre	sent?	Yes	No
Remarks:		- Poñ	- 				Hydric So	il Pre	sent?	Yes	No
Remarks: IYDROLOGY Wetland Hydrolo	gy Indicators:	be required: ct	-	v)						y 11 (201) 4	
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators	gy Indicators: (minimum of or	ne required; cl					<u>Secc</u>	ondan	y Indicato	rs (2 or mo	pre required)
Remarks: YDROLOGY Wetland Hydrolog Primary Indicators Surface Wate	gy Indicators: (minimum of or r (A1)	ne required; cl	Salt Crust	(B11)			Secc	ondan Water	y Indicato r Marks (E	rs (2 or mo 31) (Riveri	pre required)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Wate High Water Ta	gy Indicators: (minimum of or r (A1) able (A2)	ne required; ct	Salt Crust Biotic Crus	(B11) st (B12)	c (B13)		<u>Secc</u>	ondar Water Sedin	y Indicato r Marks (E nent Depo	rs (2 or mo 31) (Rive ri osits (B2) (ore required) ine) Riverine)
Remarks: IYDROLOGY Wetland Hydrolo Primary Indicators Surface Water High Water Ta Saturation (A3	gy Indicators: (minimum of or r (A1) able (A2) 3)		Salt Crust Biotic Crus Aquatic Inv	(B11) st (B12) vertebrates	. ,		<u>Secc</u>	ondan Water Sedin Drift D	<u>y Indicato</u> r Marks (E nent Depo Deposits (rs (2 or mo 31) (Riveri osits (B2) (B3) (River	ore required) ine) Riverine)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriveri	ne)	Salt Crust Biotic Crus Aquatic Inv Hydrogen	(B11) at (B12) vertebrate: Sulfide Oc	dor (C1)	iving Roc	<u>Secc</u>	ondar Water Sedin Drift D	y Indicato r Marks (E nent Depo Deposits (age Patte	rs (2 or mo 31) (Riveri osits (B2) (B3) (River ms (B10)	pre required) ine) Riverine) rine)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriverin posits (B2) (Non	ne) riverine)	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized F	(B11) at (B12) vertebrates Sulfide Oc Rhizospher	lor (C1) res along l	-	<u>Secc</u> 	ondan Water Sedin Drift D Draina Dry-S	y Indicato r Marks (E Deposits (age Patte eason Wa	rs (2 or mo 31) (Riveri osits (B2) (B3) (River ms (B10) ater Table	pre required) ine) Riverine) rine)
Remarks: YDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriveri bosits (B2) (Non (B3) (Nonriveri	ne) riverine)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized F Presence	(B11) at (B12) vertebrates Sulfide Oc Rhizospher of Reduce	lor (C1) res along l d Iron (C4)	<u>Secc</u> 	Diright Draina Dry-S Crayfi	y Indicato r Marks (E nent Depo Deposits (age Patte eason Wa ish Burrow	rs (2 or ma 31) (River osits (B2) (B3) (River ms (B10) ater Table vs (C8)	ore required) ine) Riverine) rine) (C2)
Remarks: YDROLOGY Wetland Hydrolog Primary Indicators 	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriveri bosits (B2) (Non (B3) (Nonriveri Cracks (B6)	ne) riverine) ine)	Salt Crust Biotic Crus Aquatic Inv Aquatic Inv Hydrogen Oxidized F Presence c Recent Iro	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reduction	dor (C1) res along l d Iron (C4 on in Tilled)	Secc 	ondan Water Sedin Drift I Draina Dry-S Crayfi Satura	y Indicato r Marks (E nent Deposits (age Patte eason Wa ish Burrov ation Visil	rs (2 or mo 31) (River osits (B2) (B3) (River ms (B10) ater Table vs (C8) ole on Aer	pre required) ine) Riverine) rine)
Remarks: YDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (AS Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriveri posits (B2) (Non (B3) (Nonriveri Cracks (B6) sible on Aerial In	ne) riverine) ine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized F Presence Recent Iro Thin Muck	(B11) st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce n Reductio Surface (f	dor (C1) res along I d Iron (C4 on in Tilled C7))	Secc 	ondan Water Sedin Drift D Draina Dry-S Crayfi Satur Shallo	y Indicato r Marks (E nent Deposits (age Patte eason Wa ish Burrov ation Visil w Aquita	rs (2 or mo 31) (River osits (B2) (B3) (River ms (B10) ater Table vs (C8) ole on Aer rd (D3)	ore required) ine) Riverine) rine) (C2)
Remarks: YDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriverin cosits (B2) (Non (B3) (Nonriveri cracks (B6) sible on Aerial In t Leaves (B9)	ne) riverine) ine)	Salt Crust Biotic Crus Aquatic Inv Aquatic Inv Hydrogen Oxidized F Presence c Recent Iro	(B11) st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce n Reductio Surface (f	dor (C1) res along I d Iron (C4 on in Tilled C7))	Secc 	ondan Water Sedin Drift D Draina Dry-S Crayfi Satur Shallo	y Indicato r Marks (E nent Deposits (age Patte eason Wa ish Burrov ation Visil	rs (2 or mo 31) (River osits (B2) (B3) (River ms (B10) ater Table vs (C8) ole on Aer rd (D3)	ore required) ine) Riverine) rine) (C2)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained Field Observation	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriveria bosits (B2) (Non (B3) (Nonriveria Cracks (B6) sible on Aerial In a Leaves (B9) ns:	ne) riverine) ine) nagery (B7)	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) et (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductio Surface (Iolain in Re	dor (C1) res along I d Iron (C4 on in Tilled C7))	Secc 	ondan Water Sedin Drift D Draina Dry-S Crayfi Satur Shallo	y Indicato r Marks (E nent Deposits (age Patte eason Wa ish Burrov ation Visil w Aquita	rs (2 or mo 31) (River osits (B2) (B3) (River ms (B10) ater Table vs (C8) ole on Aer rd (D3)	ore required) ine) Riverine) rine) (C2)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained Field Observatior Surface Water Pre	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriverin bosits (B2) (Non (B3) (Nonriverin Cracks (B6) sible on Aerial In 1 Leaves (B9) 15: sent? Ye	ne) riverine) ine) nagery (B7) s No _	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reductio Surface (blain in Re	dor (C1) res along I d Iron (C4 on in Tilled C7) marks))	Secc 	ondan Water Sedin Drift D Draina Dry-S Crayfi Satur Shallo	y Indicato r Marks (E nent Deposits (age Patte eason Wa ish Burrov ation Visil w Aquita	rs (2 or mo 31) (River osits (B2) (B3) (River ms (B10) ater Table vs (C8) ole on Aer rd (D3)	ore required) ine) Riverine) rine) (C2)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators 	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriveria bosits (B2) (Non (B3) (Nonriveria Cracks (B6) bible on Aerial In t Leaves (B9) 15: 15: 15: 15: 15: 15: 15: 15: 15: 15:	ne) riverine) ine) nagery (B7) s No _ s No _	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (inc	(B11) et (B12) vertebrate: Sulfide Oc thizospher of Reduce n Reductio Surface (olain in Rei ches):	dor (C1) res along I d Iron (C4 on in Tilled C7) marks) 7 2st) I Soils (C6 	<u>Secc</u> 	ondan Water Drift I Drain Dry-S Crayfi Satur Shallc FAC-I	y Indicato r Marks (E Deposits (age Patte eason Wa ish Burrov ation Visil ow Aquita Neutral Te	rs (2 or mo 31) (River osits (B2) (B3) (River ms (B10) ater Table ws (C8) ole on Aer rd (D3) ost (D5)	ore required) ine) Riverine) rine) (C2)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained Field Observatior Surface Water Pre- Water Table Present Saturation Present	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriverin bosits (B2) (Non (B3) (Nonriverin Cracks (B6) sible on Aerial In 1 Leaves (B9) 15: esent? Ye ent? Ye	ne) riverine) nagery (B7) s No _ s No _	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) et (B12) vertebrate: Sulfide Oc thizospher of Reduce n Reductio Surface (olain in Rei ches):	dor (C1) res along I d Iron (C4 on in Tilled C7) marks)) I Soils (C6 	Secc 	ondan Water Drift I Drain Dry-S Crayfi Satur Shallc FAC-I	y Indicato r Marks (E Deposits (age Patte eason Wa ish Burrov ation Visil ow Aquita Neutral Te	rs (2 or mo 31) (River osits (B2) (B3) (River ms (B10) ater Table ws (C8) ole on Aer rd (D3) ost (D5)	ore required) ine) Riverine) rine) (C2)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained Field Observation Surface Water Present Saturation Present (includes capillary	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriverin bosits (B2) (Non (B3) (Nonriverin Cracks (B6) sible on Aerial In 1 Leaves (B9) 15: sent? Ye ont? Ye fringe)	ne) riverine) ine) nagery (B7) s No s No s No	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (ind Depth (ind	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reduction Surface (in plain in Re- ches): ches): ches):	dor (C1) res along I d Iron (C4 on in Tilled C7) marks) 7(2 ^w 712 ^w) I Soils (C6 Wetla	<u>Secc</u> 	ondan Water Drift I Drain Dry-S Crayfi Satur Shallc FAC-I	y Indicato r Marks (E Deposits (age Patte eason Wa ish Burrov ation Visil ow Aquita Neutral Te	rs (2 or mo 31) (River osits (B2) (B3) (River ms (B10) ater Table ws (C8) ole on Aer rd (D3) ost (D5)	ore required) ine) Riverine) rine) (C2)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained Field Observatior Surface Water Pre- Water Table Present Saturation Present	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriverin bosits (B2) (Non (B3) (Nonriverin Cracks (B6) sible on Aerial In 1 Leaves (B9) 15: sent? Ye ont? Ye fringe)	ne) riverine) ine) nagery (B7) s No s No s No	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (ind Depth (ind	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reduction Surface (in plain in Re- ches): ches): ches):	dor (C1) res along I d Iron (C4 on in Tilled C7) marks) 7(2 ^w 712 ^w) I Soils (C6 Wetla	<u>Secc</u> 	ondan Water Drift I Drain Dry-S Crayfi Satur Shallc FAC-I	y Indicato r Marks (E Deposits (age Patte eason Wa ish Burrov ation Visil ow Aquita Neutral Te	rs (2 or mo 31) (River osits (B2) (B3) (River ms (B10) ater Table ws (C8) ole on Aer rd (D3) ast (D5)	ore required) ine) Riverine) rine) (C2)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained Field Observation Surface Water Present Saturation Present (includes capillary Describe Recorded	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriverin bosits (B2) (Non (B3) (Nonriverin Cracks (B6) sible on Aerial In 1 Leaves (B9) 15: sent? Ye ont? Ye fringe)	ne) riverine) ine) nagery (B7) s No s No s No	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (ind Depth (ind	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reduction Surface (in plain in Re- ches): ches): ches):	dor (C1) res along I d Iron (C4 on in Tilled C7) marks) 7(2 ^w 712 ^w) I Soils (C6 Wetla	<u>Secc</u> 	ondan Water Drift I Drain Dry-S Crayfi Satur Shallc FAC-I	y Indicato r Marks (E Deposits (age Patte eason Wa ish Burrov ation Visil ow Aquita Neutral Te	rs (2 or mo 31) (River osits (B2) (B3) (River ms (B10) ater Table ws (C8) ole on Aer rd (D3) ast (D5)	ore required) ine) Riverine) rine) (C2)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained Field Observation Surface Water Present Saturation Present (includes capillary	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriverin bosits (B2) (Non (B3) (Nonriverin Cracks (B6) sible on Aerial In 1 Leaves (B9) 15: sent? Ye ont? Ye fringe)	ne) riverine) ine) nagery (B7) s No s No s No	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (ind Depth (ind	(B11) st (B12) vertebrates Sulfide Oc Rhizospher of Reduce n Reduction Surface (in plain in Re- ches): ches): ches):	dor (C1) res along I d Iron (C4 on in Tilled C7) marks) 7(2 ^w 712 ^w) I Soils (C6 Wetla	<u>Secc</u> 	ondan Water Drift I Drain Dry-S Crayfi Satur Shallc FAC-I	y Indicato r Marks (E Deposits (age Patte eason Wa ish Burrov ation Visil ow Aquita Neutral Te	rs (2 or mo 31) (River osits (B2) (B3) (River ms (B10) ater Table ws (C8) ole on Aer rd (D3) ast (D5)	ore required) ine) Riverine) rine) (C2)
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained Field Observation Surface Water Present Surface Water Present Cincludes capillary Describe Recorded Remarks:	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriverin bosits (B2) (Non (B3) (Nonriverin Cracks (B6) sible on Aerial In 1 Leaves (B9) 15: usent? Ye ent? Ye fringe) d Data (stream of	ne) riverine) ine) nagery (B7) s No s No gauge, monito	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (ind Depth (ind	(B11) et (B12) vertebrate: Sulfide Oc thizospher of Reduce n Reductio Surface (olain in Rei ches): ches): shotos, pre	dor (C1) res along I d Iron (C4 on in Tilled C7) marks) 712* 712*) I Soils (C6 — — — — — Weth pections),	<u>Secc</u> 	ondan Water Sedin Drift I Draina Dry-S Crayfi Satura Shallo FAC-1	y Indicato r Marks (E nent Depo Deposits (age Patte eason Wa ish Burrov ation Visil ow Aquita Neutral To esent?	rs (2 or ma 31) (Riveri osits (B2) (B3) (Riveri rns (B10) ater Table ws (C8) ole on Aeri rd (D3) ost (D5) Yes	ore required) ine) Riverine) rine) (C2) ial Imagery (C
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained Field Observation Surface Water Pre- Water Table Present (includes capillary) Describe Recorded	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriverin bosits (B2) (Non (B3) (Nonriverin Cracks (B6) sible on Aerial In 1 Leaves (B9) 15: usent? Ye ent? Ye fringe) d Data (stream of	ne) riverine) ine) nagery (B7) s No s No gauge, monito	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (ind Depth (ind	(B11) et (B12) vertebrate: Sulfide Oc thizospher of Reduce n Reductio Surface (olain in Rei ches): ches): shotos, pre	dor (C1) res along I d Iron (C4 on in Tilled C7) marks) 712* 712*) I Soils (C6 — — — — — Weth pections),	<u>Secc</u> 	ondan Water Sedin Drift I Draina Dry-S Crayfi Satura Shallo FAC-1	y Indicato r Marks (E nent Depo Deposits (age Patte eason Wa ish Burrov ation Visil ow Aquita Neutral To esent?	rs (2 or ma 31) (Riveri osits (B2) (B3) (Riveri rns (B10) ater Table ws (C8) ole on Aeri rd (D3) ost (D5) Yes	ore required) ine) Riverine) rine) (C2) ial Imagery (C
Remarks: IYDROLOGY Wetland Hydrolog Primary Indicators Surface Water High Water Ta Saturation (A3 Water Marks (Sediment Dep Drift Deposits Surface Soil C Inundation Vis Water-Stained Field Observation Surface Water Present Saturation Present Includes capillary Describe Recorded Remarks:	gy Indicators: (minimum of or r (A1) able (A2) 3) (B1) (Nonriverin bosits (B2) (Non (B3) (Nonriverin Cracks (B6) sible on Aerial In 1 Leaves (B9) 15: usent? Ye ent? Ye fringe) d Data (stream of	ne) riverine) ine) nagery (B7) s No s No gauge, monito	Salt Crust Biotic Crus Aquatic Im Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp Depth (ind Depth (ind	(B11) et (B12) vertebrate: Sulfide Oc thizospher of Reduce n Reductio Surface (olain in Rei ches): ches): shotos, pre	dor (C1) res along I d Iron (C4 on in Tilled C7) marks) 712* 712*) I Soils (C6 — — — — — Weth pections),	<u>Secc</u> 	ondan Water Sedin Drift I Draina Dry-S Crayfi Satura Shallo FAC-1	y Indicato r Marks (E nent Depo Deposits (age Patte eason Wa ish Burrov ation Visil ow Aquita Neutral To esent?	rs (2 or ma 31) (Riveri osits (B2) (B3) (Riveri rns (B10) ater Table ws (C8) ole on Aeri rd (D3) ost (D5) Yes	ore required) ine) Riverine) rine) (C2) ial Imagery (C

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: STEVENS CREEK QUADRY	City/County:	CUPERTINO	Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWILL LLC		State: CA	
Investigator(s): A. VAN ZUUK, M. TRUEBLOOD	Section, Tov	vnship, Range:	All patter March
Landform (hillslope, terrace, etc.):	Local relief	(concave, convex, none):	Slope (%):
Subregion (LRR):	_ Lat:	Long:	Datum:
Soil Map Unit Name:		NWI clas	sification:
Are climatic / hydrologic conditions on the site typical for this	time of year? Yes <u>v</u>	No (If no, explain i	in Remarks.)
Are Vegetation, Soil, or Hydrology si	gnificantly disturbed?	Are "Normal Circumstance	es" present? Yes No
Are Vegetation, Soil, or Hydrology na	aturally problematic?	(If needed, explain any an	swers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	showing sampling	point locations, transe	cts, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No		Sampled Area	/
	withi	n a Wetland? Yes _	VNo

- 1				

VEGETATION – Use scientific names of plants.

Remarks:

	Absolute	Dominant Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1)		Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2 3			Total Number of Dominant Species Across All Strata: (B)
4 Sapling/Shrub Stratum (Plot size:)		= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
1			Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
3			OBL species x 1 =
4			FACW species x 2 =
5			FAC species x 3 =
		= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)			UPL species x 5 =
1. TYPHA SP.	. 55	Y OBL	Column Totals: (A) (B)
2. SONCHUS OLERACEUS	3	N UPL	
3. PSEUDOGNAPHALIUM STRAMINEUM	1	N FAC	Prevalence Index = B/A =
4. PHALARIS SP.	8	N FAC	Hydrophytic Vegetation Indicators:
5. BACCHARIS PILULARIS (SEEDLINGS)	2	N UPL	✓ Dominance Test is >50%
6			Prevalence Index is ≤3.0 ¹
7			Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8	69	= Total Cover	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)			
1			¹ Indicators of hydric soil and wetland hydrology must
2			be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum 51 % Cove		= Total Cover rust	Hydrophytic Vegetation Present? Yes No
Remarks:			

Sampling Point: 5

(inches) Color (moinstand) 0 - 4 [™] 10 & 4 4/ 4 - 11 [™] J0 Y2.3/4	<u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u> <u>100</u>		Covered or se noted.) (S5) (S5) (S6) Mineral (F Matrix (F2 x (F3) urface (F6) Surface (F6) Surface (F8)	r Coated Sa) (1) (2) (77)	and Grains. 3 Ind	² Locatio licators for 1 cm Muck Reduced V Red Paren Other (Exp dicators of hy vetland hydr	Remarks So STICKY! GLEN COARSE SAND In: PL=Pore Lining, M=Matrix. Problematic Hydric Soils ³ : (A9) (LRR C) (A10) (LRR B) /ertic (F18) It Material (TF2) Islain in Remarks) ydrophytic vegetation and rology must be present, bed or problematic. sent? Yes No
4-11 J0 Y2.3/4 Type: C=Concentration, D Hydric Soil Indicators: (A) Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (I) 1 cm Muck (A9) (LRR I) Depleted Below Dark S Thick Dark Surface (A1) Sandy Mucky Mineral (I) Sandy Mucky Mineral (I) Sestrictive Layer (If presently for the set of th	LRR C) D) burface (A11) 2) S1) S4)	Sandy Redox (Stripped Matrix Loamy Mucky I Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark Redox Depress	se noted.) (S5) ((S6) Mineral (F Matrix (F2 x (F3) urface (F6) Surface (F6) sions (F8)) 2)) F7)	and Grains. Ind	² Locatio ² Locatio Ilcators for 1 cm Muck Reduced V Red Paren Other (Exp dicators of hy vetland hydr unless distur	COAQSE SAND
Type: C=Concentration, D Hydric Soli Indicators: (A) Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (I 1 cm Muck (A9) (LRR I Depleted Below Dark S Thick Dark Surface (A1) Sandy Gleyed Matrix (S Restrictive Layer (If presently include the second secon	EDepletion, RM= pplicable to all pplicable to all price (A11) 2) S1) S4)	Sandy Redox (Stripped Matrix Loamy Mucky I Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark Redox Depress	se noted.) (S5) ((S6) Mineral (F Matrix (F2 x (F3) urface (F6) Surface (F6) sions (F8)) 2)) F7)	and Grains. Ind 31nc	² Locatio Ilcators for 1 cm Muck 2 cm Muck Reduced V Red Paren Other (Exp dicators of hy vetland hydr unless distur	n: PL=Pore Lining, M=Matrix. Problematic Hydric Soils³: ((A9) (LRR C) ((A10) (LRR B) /ertic (F18) It Material (TF2) blain in Remarks) ydrophytic vegetation and rology must be present, bed or problematic.
	pplicable to all LRR C) D) surface (A11) 2) S1) S4)	Sandy Redox (Stripped Matrix Loamy Mucky I Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark Redox Depress	se noted.) (S5) ((S6) Mineral (F Matrix (F2 x (F3) urface (F6) Surface (F6) sions (F8)) 2)) F7)	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ilcators for 1 cm Muck 2 cm Muck Reduced V Red Paren Other (Exp dicators of hy vetland hydr unless distur	Problematic Hydric Soils ³ : (A9) (LRR C) (A10) (LRR B) /ertic (F18) It Material (TF2) olain in Remarks) ydrophytic vegetation and rology must be present, bed or problematic.
	pplicable to all LRR C) D) surface (A11) 2) S1) S4)	Sandy Redox (Stripped Matrix Loamy Mucky I Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark Redox Depress	se noted.) (S5) ((S6) Mineral (F Matrix (F2 x (F3) urface (F6) Surface (F6) sions (F8)) 2)) F7)	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ilcators for 1 cm Muck 2 cm Muck Reduced V Red Paren Other (Exp dicators of hy vetland hydr unless distur	Problematic Hydric Soils ³ : (A9) (LRR C) (A10) (LRR B) /ertic (F18) It Material (TF2) olain in Remarks) ydrophytic vegetation and rology must be present, bed or problematic.
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (I Depleted Below Dark S Thick Dark Surface (A1 Sandy Mucky Mineral (I Sandy Gleyed Matrix (S Cestrictive Layer (If prese Type:	L RR C) D) Jurface (A11) 2) S1) S4)	 Sandy Redox (Stripped Matrix Loamy Mucky I Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark Redox Depress 	(S5) (S6) Mineral (F Matrix (F2 x (F3) urface (F6) Surface (F6) sions (F8)	:1) 2)) F7)	3Inc	1 cm Muck 2 cm Muck Reduced V Red Paren Other (Exp dicators of hy vetland hydr unless distur	(A9) (LRR C) (A10) (LRR B) /ertic (F18) th Material (TF2) olain in Remarks) ydrophytic vegetation and rology must be present, thed or problematic.
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (I Depleted Below Dark S Thick Dark Surface (A1 Sandy Mucky Mineral (Sandy Gleyed Matrix (S Cestrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indica Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Noi Surface Soil Cracks (B6 Inundation Visible on Ai Water-Stained Leaves (I Ield Observations:	D) Surface (A11) 2) S1) S4)	 Stripped Matrix Loamy Mucky I Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark Redox Depress 	(S6) Mineral (F Matrix (F2 x (F3) urface (F6) Surface (F6) sions (F8)	2)) F7)		2 cm Muck Reduced V Red Paren Other (Exp dicators of hy vetland hydr unless distur	(A10) (LRR B) /ertic (F18) it Material (TF2) olain in Remarks) ydrophytic vegetation and rology must be present, thed or problematic.
Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (I Completed Below Dark S Thick Dark Surface (A1 Sandy Mucky Mineral (I Sandy Gleyed Matrix (S Cestrictive Layer (If prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indica Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Noi Surface Soil Cracks (B6 Inundation Visible on AI Water-Stained Leaves (I I leave Setiled Observations:	D) Surface (A11) 2) S1) S4)	Loamy Mucky I Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark Redox Deprese	Mineral (F Matrix (F2 x (F3) urface (F6) Surface (F sions (F8)	2)) F7)		Reduced V Red Paren Other (Exp dicators of hy vetland hydr unless distur	Vertic (F18) at Material (TF2) blain in Remarks) ydrophytic vegetation and rology must be present, thed or problematic.
Hydrogen Sulfide (A4) Stratified Layers (A5) (1 cm Muck (A9) (LRR I Depleted Below Dark S Thick Dark Surface (A1 Sandy Mucky Mineral (Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indica Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Noi Surface Soil Cracks (B6 Inundation Visible on Ai Water-Stained Leaves (Held Observations:	D) Surface (A11) 2) S1) S4)	Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark Redox Depress	Matrix (F2 x (F3) urface (F6) Surface (F sions (F8)	2)) F7)		Red Paren Other (Exp dicators of hy vetland hydr unless distur	at Material (TF2) Islain in Remarks) ydrophytic vegetation and rology must be present, thed or problematic.
Stratified Layers (A5) (I 1 cm Muck (A9) (LRR I Depleted Below Dark S Thick Dark Surface (A1 Sandy Mucky Mineral (Sandy Gleyed Matrix (S Cestrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indica Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves (I Ield Observations:	D) Surface (A11) 2) S1) S4)	Depleted Matrix Redox Dark Su Depleted Dark Redox Depress	x (F3) urface (F6) Surface (F sions (F8)) F7)		Other (Exp dicators of hy vetland hydr unless distur	olain in Remarks) ydrophytic vegetation and rology must be present, thed or problematic.
1 cm Muck (A9) (LRR I Depleted Below Dark S Thick Dark Surface (A1 Sandy Mucky Mineral (Sandy Gleyed Matrix (S Sestrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indica Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Noi Surface Soil Cracks (B6 inundation Visible on Ai Water-Stained Leaves (I Ield Observations:	D) Surface (A11) 2) S1) S4)	Redox Dark Su Depleted Dark Redox Depress	urface (F6) Surface (F sions (F8)	, F7)		dicators of hy vetland hydr unless distur	ydrophytic vegetation and rology must be present, bed or problematic.
Depleted Below Dark S Thick Dark Surface (A1 Sandy Mucky Mineral (Sandy Gleyed Matrix (S Sestrictive Layer (if prese Type: Depth (inches): Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indica Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on Ai Water-Stained Leaves (Field Observations:	Surface (A11) 2) S1) S4)	Depleted Dark Redox Depress	Surface (F sions (F8)	, F7)		vetland hydr unless distur	rology must be present, bed or problematic.
Sandy Mucky Mineral (Sandy Gleyed Matrix (S Restrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY YUROLOGY Vetland Hydrology Indica Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves (Steld Observations:	S1) S4)					vetland hydr unless distur	rology must be present, bed or problematic.
Sandy Gleyed Matrix (Sestrictive Layer (if prese Type: Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indica Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B6 inundation Visible on A: Water-Stained Leaves (Section 1)	54)	Vernal Pools (F	=9)			unless distur	bed or problematic.
Restrictive Layer (if presender Type:							/
Type: Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indica Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B6 fundation Visible on A Water-Stained Leaves (Inundations:	nt):				Hyd	ric Soil Pres	sent? Yes <u>No</u>
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indica Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on Av Water-Stained Leaves (Steld Observations:					Hyd	ric Soil Pres	sent? Yes <u>No</u> No
Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B4 Inundation Visible on A Water-Stained Leaves (Steld Observations:					Hyd	ric Soil Pre	sent? Yes <u> </u>
YDROLOGY Vetland Hydrology Indica Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B6 mundation Visible on A Water-Stained Leaves (Steld Observations:							
Primary Indicators (minimur Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves Field Observations:							
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves (Steld Observations:	tors:						
High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves (Steld Observations:	n of one required	check all that apply)				Secondary	y Indicators (2 or more required)
Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves Field Observations:		Salt Crust (B1	1)			Water	r Marks (B1) (Riverine)
Water Marks (B1) (Non Sediment Deposits (B2 Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves (Ield Observations:		Biotic Crust (B	312)				nent Deposits (B2) (Riverine)
Sediment Deposits (B2 Drift Deposits (B3) (Nor Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves (Ield Observations:		Aquatic Invert	ebrates (B	313)		Drift D	Deposits (B3) (Riverine)
Drift Deposits (B3) (Nor Surface Soil Cracks (B6 Inundation Visible on A Water-Stained Leaves	riverine)	Hydrogen Sulf	fide Odor	(C1)		Draina	age Patterns (B10)
Surface Soil Cracks (Be inundation Visible on A Water-Stained Leaves Field Observations:) (Nonriverine)	Oxidized Rhiz	• 3-3	- 16	ig Roots (C3)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	eason Water Table (C2)
nundation Visible on A Water-Stained Leaves		Presence of R	145	• 7•			ish Burrows (C8)
Water-Stained Leaves		Recent Iron R	449		ils (C6)	10. P. 10	ation Visible on Aerial Imagery (
ield Observations:							ow Aquitard (D3)
	89)	Other (Explain	n in Remai	rks)			Neutral Test (D5)
	×	Danth (Inchas					
Surface Water Present?	7.	o Depth (inches		A 156			1
Vater Table Present?	Yes V N	o Depth (inches			M	In the Dec	
aturation Present? ncludes capillary fringe)		o Depth (inches	s):		Wetland Hy	drology Pre	esent? Yes _VNo
escribe Recorded Data (st	Yes <u>V</u> N	nitoring well, aerial phot	tos, previo	ous inspecti	ions), if availa	able:	
Remarks:						194	

Project/Site: STEVEN'S CREEK QUARRY	City/County: WPERTINO	Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	State: C	
Investigator(s): A.VAN ZOUK, M. TRUEBLOOD	Section, Township, Range:	chi wykarfan "nyv-ù
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):	Slope (%):
Subregion (LRR): Lat:	Long:	Datum:
Soil Map Unit Name:	NWI	classification:
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No (If no, expl	lain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumsta	ances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally provide the second seco	oblematic? (If needed, explain any	answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, tran	sects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes		Is the Sampled Area within a Wetland?	Yes	No
Remarks:		upland dat	a point		

	Absolute	Dominant		Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot size:) 1		<u>Species?</u>		Number of Dominant SpeciesO	(A)
2 3				Total Number of Dominant 3 Species Across All Strata:	(B)
4		_= Total Co		Percent of Dominant Species That Are OBL, FACW, or FAC:	_ (A/B)
Sapling/Shrub Stratum (Plot size:) 1. 3 accharis pilularis	50	4	UpL	Prevalence Index worksheet:	
2. Artimitia 57 CALIFORNICA		۲	UPL	Total % Cover of:Multiply by:	_
3				OBL species x 1 =	
4				FACW species x 2 =	1 2
5				FAC species x 3 =	
	08	= Total Co	ver	FACU species x 4 =	
Herb Stratum (Plot size:)				UPL species x 5 =	
1. Brassica higha	10	<u>r</u>	UPL	Column Totals: (A)	
2. Avence fature			UPL		_ (-)
3. Bromis madiatensis		N	AL	Prevalence Index = B/A =	_
4	463			Hydrophytic Vegetation Indicators:	
5				Dominance Test is >50%	
6				Prevalence Index is ≤3.0 ¹	
7				Morphological Adaptations ¹ (Provide suppor data in Remarks or on a separate sheet)	
8				Problematic Hydrophytic Vegetation ¹ (Expla	
Woody Vine Stratum (Plot size:)	90	= Total Co	ver		
1				¹ Indicators of hydric soil and wetland hydrology	must
2				be present, unless disturbed or problematic.	
L		= Total Co		Hydrophytic	
% Bare Ground in Herb Stratum % Cove		_		Vegetation Present? Yes No	
Remarks:				1	

OIL	and the product of the second	Sampling Point: $\underline{}$
Profile Description: (Describe to the dept	A Fight state of the state of the	or confirm the absence of indicators.)
Depth <u>Matrix</u> (inches) Color (moist) %	Redox Features Color (moist) % Type ¹	Loc ² Texture Remarks
0-10" 10m3/4 100		- sandy clay
Type: C=Concentration, D=Depletion, RM=		
lydric Soil Indicators: (Applicable to all I		indicators for Problematic Hydric Solis ³ :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7) Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetiand hydrology must be present,
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		
		the set of
Туре:		
Depth (inches):		Hydric Soll Present? Yes No
Remarks:		Hydric Soll Present? Yes No
Remarks: YDROLOGY		Real States and States
Remarks: YDROLOGY Vetland Hydrology Indicators:		n and a second a se
Remarks: YDROLOGY Vetland Hydrology Indicators:		Real States and States
Remarks: YDROLOGY Vetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required	; check all that apply)	Secondary Indicators (2 or more required)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1)	; check all that apply) Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	<u>; check all that apply)</u> Salt Crust (B11) Biotic Crust (B12)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	<u>; check all that apply)</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) iving Roots (C3) Dry-Season Water Table (C2)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drinage Patterns (B10) iving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Remarks: YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	: check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drinage Patterns (B10) iving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required	: check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled a) Thin Muck Surface (C7)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drinage Patterns (B10) iving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required	: check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drinage Patterns (B10) iving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required 	 <u>check all that apply</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled 3 Thin Muck Surface (C7) Other (Explain in Remarks) 	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drinage Patterns (B10) iving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present?	: check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled 3) Thin Muck Surface (C7) Other (Explain in Remarks) lo Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drinage Patterns (B10) iving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N Water Table Present? Yes N	: check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled a) Thin Muck Surface (C7) Other (Explain in Remarks) lo Depth (inches):	Secondary Indicators (2 or more required)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N Saturation Present? Yes N	: check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled 3) Thin Muck Surface (C7) Other (Explain in Remarks) lo Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drinage Patterns (B10) iving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled N Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more required)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled N Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more required)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled N Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more required)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N Nater Table Present? Yes N Saturation Present? Yes N Surface Water Capillary fringe) Describe Recorded Data (stream gauge, morter) <td>check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled N Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):</td> <td>Secondary Indicators (2 or more required) </td>	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled N Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more required)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N Water Table Present? Yes N	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled N Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more required)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes N Vater Table Present? Yes N Saturation Present? Yes N Saturation Present? Yes N Sective Recorded Data (stream gauge, more	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled N Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more required)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled N Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches):	Secondary Indicators (2 or more required)

Project/Site: STEVENS CREEK QUARRY	City/County: CUPERTINO	_ Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	State: CA	Sampling Point: 6
Investigator(s): A. VAN ZUUK, M. TRUEBLOOD	Section, Township, Range:	的资源经验 作用有
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):	Slope (%):
Subregion (LRR): Lat:	Long:	Datum:
Soil Map Unit Name:	NWI classif	ication:
Are Vegetation, Soil, or Hydrology significan Are Vegetation, Soil, or Hydrology naturally SUMMARY OF FINDINGS – Attach site map showin	problematic? (If needed, explain any answ	
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	Is the Sampled Area within a Wetland? Yes	No
Remarks:		

	Absolute		nt Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:)		Species?		Number of Dominant Species	
1. SALIX GOODDINGI			FACW	That Are OBL, FACW, or FAC:	(A)
2 3				Total Number of Dominant Species Across All Strata: 2	(B)
4.					(0)
	70	_ = Total Co	over	Percent of Dominant Species That Are OBL, FACW, or FAC:	(A/B)
Sapling/Shrub Stratum (Plot size:)				Prevalence Index worksheet:	_
1					
2				Total % Cover of: Multiply by:	-
3				OBL species x 1 =	-
4				FACW species x 2 =	-
5	_			FAC species x 3 =	
		= Total Co	over	FACU species x 4 =	
Herb Stratum (Plot size:)				UPL species x 5 =	
1. EPILOBIUM CILIATUM	5	<u>N</u>	FACW	Column Totals: (A)	(B)
2. PSEUDOGNAPHALIUM STRAMINEUM	12	<u> </u>	FAC		
3. POLYPOGON MUNSPELIENSIS	7	N	FACW	Prevalence Index = B/A =	-
4				Hydrophytic Vegetation Indicators:	
5				✓ Dominance Test is >50%	
6				Prevalence Index is ≤3.0 ¹	
7	_			Morphological Adaptations ¹ (Provide supportin data in Remarks or on a separate sheet)	ng
8			·	Problematic Hydrophytic Vegetation ¹ (Explain	a)
Meady Vina Stratum (Distaire)	24	= Total Co	DVOR		·
Woody Vine Stratum (Plot size:)		28 4		¹ Indicators of hydric soil and wetland hydrology mu	uet
1			•	be present, unless disturbed or problematic.	0.51
2					
% Bare Ground in Herb Stratum % Cove		_= Total Co rust		Hydrophytic Vegetation Present? Yes No No	
Remarks:					

C	0	II.	
Э	U	J.	L

Depth	Matrix	0/	Opton (martal) 0/ T	1 2	Test	Contract of the Design of the
(inches)	Color (moist)	_%	Color (moist) % Type ¹	_Loc ²	Texture	Remarks
0-1"	104R3/4	100			CLAY	SURFACE, VERY RED
1-5"	543/2	100			CLAY	YELLOW
5-12"	5 BG 4/1	100			CLAY	GLEY
	ncentration D≃Den	letion RM=R	leduced Matrix, CS=Covered or Coate			cation: PL=Pore Lining, M=Matrix.
			RRs, unless otherwise noted.)			for Problematic Hydric Solis ³ :
Histosol (A1)		Sandy Redox (S5)		1 cm N	Muck (A9) (LRR C)
Histic Epi	pedon (A2)		Stripped Matrix (S6)		2 cm M	Auck (A10) (LRR B)
Black Hist	tic (A3)		Loamy Mucky Mineral (F1)		Reduc	ed Vertic (F18)
_ / /	Sulfide (A4)		Loamy Gleyed Matrix (F2)			arent Material (TF2)
	Layers (A5) (LRR C	;)	Depleted Matrix (F3)		Other	(Explain in Remarks)
	k (A9) (LRR D)		Redox Dark Surface (F6)			
	Below Dark Surface	e (A11)	Depleted Dark Surface (F7)		3	
	k Surface (A12)		Redox Depressions (F8)			of hydrophytic vegetation and
	ucky Mineral (S1)		Vernal Pools (F9)			hydrology must be present,
	eyed Matrix (S4) ayer (if present):				uniess d	isturbed or problematic.
	ayer (ii present).		ALC: NOT			<u></u>
Luno'						
Type:	2002):	11			Hudric Soil	Brasant2 Yas
Depth (inch Remarks:	nes):				Hydric Soil	Present? Yes <u>No</u> No
Depth (inch Remarks: YDROLOG	SY.				Hydric Soil	Present? Yes <u>No</u> No
Depth (inch Remarks: YDROLOG Wetland Hydr	SY rology Indicators:			n.		
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica	SY rology Indicators: ators (minimum of o	ne required; c	check all that apply)	1	Secor	ndary Indicators (2 or more required)
Depth (inch Remarks: YDROLOG Vetland Hydr Primary Indica Surface W	SY rology Indicators: ators (minimum of or Vater (A1)	ne required; o	check all that apply) Salt Crust (B11)		<u>Secor</u> W	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine)
Depth (inch Remarks: YDROLOG Vetland Hydr Primary Indica Surface W	SY rology Indicators: ators (minimum of o	ne required; o	<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12)	1	<u>Secor</u> W	ndary Indicators (2 or more required)
Depth (inch Remarks: YDROLOG Vetland Hydi Primary Indica Surface W High Wate Saturation	SY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) h (A3)		<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)		<u>Secor</u> W S D	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) /rift Deposits (B3) (Riverine)
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturatior Water Ma	SY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriveri	ne)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)		<u>Secor</u> W S D	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) /rift Deposits (B3) (Riverine) rainage Patterns (B10)
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Ma Sediment	SY rology Indicators: ttors (minimum of or Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriveri Deposits (B2) (Nor	ne) 1riverine)	<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along	Living Root	<u>Secor</u> W S D D D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) rry-Season Water Table (C2)
Depth (inch Remarks: YDROLOG Vetland Hydr Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo	BY rology Indicators: htors (minimum of or Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriveri Deposits (B2) (Nor issits (B3) (Nonriver	ne) 1riverine)	<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C4	Living Root	<u>Secor</u> W S D D D C	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) mit Deposits (B3) (Riverine) rainage Patterns (B10) my-Season Water Table (C2) rayfish Burrows (C8)
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Surface S	Tology Indicators: tors (minimum of or Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriveri Deposits (B2) (Nor osits (B3) (Nonriver oil Cracks (B6)	ne) nriverine) ine)	<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C4 Recent Iron Reduction in Tilled	Living Root	<u>Secor</u> W S D D D D C S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) prift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Surface S Innundation	Tology Indicators: tors (minimum of or Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriveri Deposits (B2) (Nor posits (B3) (Nonriver coil Cracks (B6) n Visible on Aerial In	ne) nriverine) ine)	<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C4 Recent Iron Reduction in Tilled Thin Muck Surface (C7)	Living Root	<u>Secor</u> W S D D D D D C S S	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) ry-Season Water Table (C2) rrayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta	Tology Indicators: tors (minimum of or Vater (A1) er Table (A2) h (A3) rks (B1) (Nonriveri Deposits (B2) (Nor posits (B3) (Nonriveri oil Cracks (B6) h Visible on Aerial In tined Leaves (B9)	ne) nriverine) ine)	<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C4 Recent Iron Reduction in Tilled	Living Root	<u>Secor</u> W S D D D D D C S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) prift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C9
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Surface S fundation Water-Sta	Tology Indicators: ators (minimum of or Vater (A1) er Table (A2) h (A3) rks (B1) (Nonriveri Deposits (B2) (Nor posits (B3) (Nonriveri oil Cracks (B6) h Visible on Aerial In tined Leaves (B9) ations:	ne) nriverine) rine) magery (B7)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C4 Recent Iron Reduction in Tillea Thin Muck Surface (C7) Other (Explain in Remarks)	Living Root	<u>Secor</u> W S D D D D D C S S	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) ry-Season Water Table (C2) rrayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S finundation Water-Sta Surface Water	SY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriveri Deposits (B2) (Nor posits (B3) (Nonriveri oil Cracks (B6) n Visible on Aerial In and Leaves (B9) ations: Present? Ye	ne) nriverine) rine) magery (B7) es No	check all that apply)	Living Root	<u>Secor</u> W S D D D D D C S S	ndary Indicators (2 or more required) /ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) ry-Season Water Table (C2) rrayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3)
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S finundation Water-Sta Field Observa Surface Water Vater Table P	Fology Indicators: ators (minimum of or Vater (A1) For Table (A2) (A3) rks (B1) (Nonriveri Deposits (B2) (Nor posits (B3) (Nonriveri coil Cracks (B6) The Visible on Aerial In tined Leaves (B9) ations: Present? Ye	ne) nriverine) ine) magery (B7) es No es No	check all that apply)	Living Root	<u>Secor</u> W S D D D D D C S S S F	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) prift Deposits (B3) (Riverine) prainage Patterns (B10) pry-Season Water Table (C2) prayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inch Remarks: YDROLOG Wetland Hydu Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Surface S finundation Water-Sta Surface Water Vater Table P Saturation Pre includes capil	SY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) h (A3) rks (B1) (Nonriveri Deposits (B2) (Nor rosits (B3) (Nonriveri coil Cracks (B6) h Visible on Aerial In ained Leaves (B9) atlons: Present? Ye sent? Ye lary fringe)	ne) nriverine) magery (B7) es No es No es No	check all that apply)	Living Root) d Soils (C6)	<u>Secor</u> W S D S (C3) D C S (C3) C S S S S S S S S S S S S S S S S S S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) prift Deposits (B3) (Riverine) prainage Patterns (B10) pry-Season Water Table (C2) prayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Surface S field Observa Surface Water Vater Table P Saturation Pre includes capil	SY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) h (A3) rks (B1) (Nonriveri Deposits (B2) (Nor rosits (B3) (Nonriveri coil Cracks (B6) h Visible on Aerial In ained Leaves (B9) atlons: Present? Ye sent? Ye lary fringe)	ne) nriverine) magery (B7) es No es No es No	check all that apply)	Living Root) d Soils (C6)	<u>Secor</u> W S D S (C3) D C S (C3) C S S S S S S S S S S S S S S S S S S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) prift Deposits (B3) (Riverine) prainage Patterns (B10) pry-Season Water Table (C2) prayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observa Surface Water Vater Table P Saturation Pre Cincludes capil Describe Reco	SY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) h (A3) rks (B1) (Nonriveri Deposits (B2) (Nor rosits (B3) (Nonriveri coil Cracks (B6) h Visible on Aerial In ained Leaves (B9) atlons: Present? Ye sent? Ye lary fringe)	ne) nriverine) magery (B7) es No es No es No	check all that apply)	Living Root) d Soils (C6)	<u>Secor</u> W S D S (C3) D C S (C3) C S S S S S S S S S S S S S S S S S S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) prift Deposits (B3) (Riverine) prainage Patterns (B10) pry-Season Water Table (C2) prayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S field Observa Surface Water Water-Sta Field Observa Surface Water Water Table P Saturation Pre includes capil	SY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) h (A3) rks (B1) (Nonriveri Deposits (B2) (Nor rosits (B3) (Nonriveri coil Cracks (B6) h Visible on Aerial In ained Leaves (B9) atlons: Present? Ye sent? Ye lary fringe)	ne) nriverine) magery (B7) es No es No es No	check all that apply)	Living Root) d Soils (C6)	<u>Secor</u> W S D S (C3) D C S (C3) C S S S S S S S S S S S S S S S S S S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) prift Deposits (B3) (Riverine) prainage Patterns (B10) pry-Season Water Table (C2) prayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observa Surface Water Vater Table P Saturation Pre Cincludes capil Describe Reco	SY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) h (A3) rks (B1) (Nonriveri Deposits (B2) (Nor rosits (B3) (Nonriveri coil Cracks (B6) h Visible on Aerial In ained Leaves (B9) atlons: Present? Ye sent? Ye lary fringe)	ne) nriverine) magery (B7) es No es No es No	check all that apply)	Living Root) d Soils (C6)	<u>Secor</u> W S D S (C3) D C S (C3) C S S S S S S S S S S S S S S S S S S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) prift Deposits (B3) (Riverine) prainage Patterns (B10) pry-Season Water Table (C2) prayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inch Remarks: YDROLOG Wetland Hydr Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Sta Field Observa Surface Water Vater Table P Saturation Pre includes capil Describe Reco	SY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) h (A3) rks (B1) (Nonriveri Deposits (B2) (Nor rosits (B3) (Nonriveri coil Cracks (B6) h Visible on Aerial In ained Leaves (B9) atlons: Present? Ye sent? Ye lary fringe)	ne) nriverine) magery (B7) es No es No es No	check all that apply)	Living Root) d Soils (C6)	<u>Secor</u> W S D S (C3) D C S (C3) C S S S S S S S S S S S S S S S S S S S	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) prift Deposits (B3) (Riverine) prainage Patterns (B10) pry-Season Water Table (C2) prayfish Burrows (C8) aturation Visible on Aerial Imagery (C9 hallow Aquitard (D3) AC-Neutral Test (D5)

Project/Site: STEVENS CREEK QUARRY	City/County: WPERTINO	Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	State: CA	_ Sampling Point:6A
Investigator(s): A, VAN ZUUK, M. TRUEBLOOD	_ Section, Township, Range:	一個是習識品 "好的人
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):	Slope (%):
Subregion (LRR): Lat:	Long:	Datum:
Soil Map Unit Name:	NWI classif	fication:
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes No (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology significant	tty disturbed? Are "Normal Circumstances"	present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	problematic? (If needed, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	ng sampling point locations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area	/

Hydric Soil Present? Wetland Hydrology Present?	Yes Yes	No	within a Wetland?	Yes No
Remarks: UPLAND POINT.				Success Att

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:)	% Cover	Species?	Status	Number of Dominant Species	
1. QUERLUS AGERIFOLIA	30	<u> Y </u>	UPL	That Are OBL, FACW, or FAC:) (A)
2. UMBELLULARIA CALIFORNICA		<u> </u>	FAL	Total Number of Dominant	
3.				Species Across All Strata:	3 (B)
4.		1.12	- II -		(-/
	60	= Total Co	ver	Percent of Dominant Species That Are OBL, FACW, or FAC:	33 (A/B)
Sapling/Shrub Stratum (Plot size:)					
1. TOXICODENDRON DIVERSILOBUM	80	<u> </u>	FALU	Prevalence Index worksheet:	
2				Total % Cover of: Mul	Itiply by:
3				OBL species x 1 =	TA - Contract
4				FACW species x 2 =	a la participación de la companya de
5			Yat	FAC species x 3 =	
	80	= Total Co	ver	FACU species x 4 =	
Herb Stratum (Plot size:)				UPL species x 5 =	
1. CARDUUS PYLNOCEPHALUS	1	N	UPL	Column Totals: (A)	
2. BROMUS MADRITENSIS	5	N	UPL		(2)
3				Prevalence Index = B/A =	1 IIV
4				Hydrophytic Vegetation Indicators:	
5				Dominance Test is >50%	
6				Prevalence Index is ≤3.0 ¹	
7				Morphological Adaptations ¹ (Provi	
8				data in Remarks or on a separa	
V		= Total Co		Problematic Hydrophytic Vegetation	on ¹ (Explain)
Woody Vine Stratum (Plot size:)		10101 00			
1			1211	¹ Indicators of hydric soil and wetland h	
2				be present, unless disturbed or problem	matic.
		= Total Co		Hydrophytic	/
				Vegetation	
% Bare Ground in Herb Stratum % Cove	er of Biotic Ci	rust		Present? Yes No	<u> </u>
Remarks:					

Sampling Point: 6A

Depth (inchos)	Colar	Matrix (moist)	%	Color	Redox (moist)			Loc ²	Taxture			amarka	
nches)		(moist)		Color	(moist)	%	Туре	LOC	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the second	BL Z AMB (R	temants	
0-10"	Z.5Y	4/2	100		-				SANOY	SILTY	LOAM	<u> </u>	
				_					• • • • • •				
								1-1					
			_	-		<			•				
-													
	2										_		_
													-
_			L		·								
Type: C=C	oncentratio	n, D=Dep	letion, RM	Reduced	Matrix, CS	=Covere	d or Coate	d Sand G	Grains. ² L	ocation:	PL=Pore	Lining, M=	Matrix.
ydric Soil	Indicators	: (Applic	able to al	LRRs, un	less other	wise not	ed.)		Indicato	rs for Pr	oblematic	c Hydric So	olls ³ :
_ Histosol	(A1)			S	andy Redo	x (S5)			1 cm	Muck (A	9) (LRR (C)	
_ Histic Ep	oipedon (A	2)		S	tripped Mat	trix (S6)			2 cm	n Muck (A	10) (LRR	B)	
Black Hi					oamy Muck	-				uced Ver			
	n Sulfide (oamy Gleye		(F2)				faterial (T	A	
	Layers (A		C)		epleted Ma		(50)		Othe	er (Explai	n in Rema	arks)	
	ck (A9) (L		- /		edox Dark		• •						
	Below Da		e (A11)		epleted Da				31				
	ark Surface				edox Depre		-8)					egetation a	na
	lucky Mine ileyed Mat			V	ernal Pools	(гэ)					d or probl	be present,	
estrictive l					1.	1		-	uniesa				
Type:	ayer (ii p	ocomy.											
Type									12.3	5.5 JAN 1			1 The Beach !!
				_	1								
	ches):							8	Hydric So	oll Prese	nt? Yes		No <u> </u>
emarks:	5 75					,,,,,,,,		1	Hydric So	oll Prese	nt? Yes		No <u> </u>
emarks: /DROLO	GY							1	Hydric So	oll Prese	nt? Yes		No <u> </u>
emarks: /DROLO /etland Hyd	GY Irology In				(1345			1	Hydric So	oll Prese	nt? Yes	25.0 A.S.O	No <u></u>
emarks: /DROLO /etland Hyd	GY Irology In		ne require	d; check al	(1345			1	Hydric So	oll Prese	nt? Yes		No <u></u>
/DROLO /etland Hyd	GY Irology In	imum of o	ne require		(1345)	e e	5	Hydric So	oll Prese	nt? Yes	25.0 A.S.O	No <u></u>
/DROLO /etland Hyd rimary Indic _ Surface	GY Irology In ators (min	imum of o	ne require		I that apply) B11)	e e	1	Hydric So	oll Prese	nt? Yes ndicators (arks (B1)	2 or more r	No <u></u>
/DROLO /etland Hyd rimary Indic _ Surface	GY Irology In ators (min Water (A1) ter Table (imum of o	ne require		I that apply Salt Crust (I) B11) (B12)	2 2 2	5	Hydric So	ondary Ir Water M Sedimer	nt? Yes dicators (arks (B1) t Depositi	2 or more r (Riverine)	No <u></u> equired) erine)
Provident Statements: (DROLO Vetland Hydrights) rimary India Surface High Wa Saturation Saturation	GY Irology In ators (min Water (A1) ter Table (imum of o) A2)			I that apply Salt Crust (I Biotic Crust) B11) (B12) ertebrate	s (B13)	5	Hydric So	ondary Ir Water M Sedimer Drift Dep	nt? Yes dicators (arks (B1) t Depositi	(Riverine) (Riverine) (Riverine)	No <u></u> equired)
emarks: (DROLO /etland Hyd rimary Indic Surface High Wa Saturatic Water M	GY trology In ators (min Water (A1) ter Table (on (A3)	imum of o) A2) Nonriver l	ne)		I that apply Salt Crust (I Biotic Crust Aquatic Inve) B11) (B12) ertebrate Sulfide Og	os (B13) dor (C1)		Hydric So Sec 	ondary Ir Water M Sedimer Drift Dep Drainage	ndicators (arks (B1) nt Depositionsits (B3) a Patterns	(Riverine) (Riverine) (Riverine)	No <u>equired</u>
emarks: (DROLO /etland Hyd rimary Indic _ Surface _ High Wa _ Saturatic _ Water M _ Sedimer	GY irology In ators (min Water (A1) ter Table (on (A3) arks (B1) (i <u>mum of o</u>) A2) Nonriveri (B2) (Noi	ne) nriverine)		I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S) B11) (B12) ertebrate sulfide Or nizosphe	os (B13) dor (C1) res along	2 Living Ro	Hydric So Sec 	condary Ir Water M Sedimer Drift Dep Drainage Dry-Seat	ndicators (arks (B1) nt Depositionsits (B3) a Patterns	(Riverine) s (B2) (Riverine) (Riverine) r Table (C2	No <u>equired</u>
/DROLO /etland Hyd rimary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep	GY trology In <u>tators (min</u> Water (A1) ter Table (on (A3) arks (B1) (t Deposits	imum of o) A2) Nonriveri (B2) (Noi (Nonriver	ne) nriverine)		I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized Rt) B11) (B12) ertebrate Sulfide Or nizosphe f Reduce	os (B13) dor (C1) res along ad Iron (C4	2 Living Rot	Hydric So	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish	ndicators (arks (B1) at Depositionsite (B3) e Patterns son Water Burrows ((Riverine) s (B2) (Riverine) (Riverine) r Table (C2	equired)
/DROLO /etland Hyd rimary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface	GY irology In <u>iators (min</u> Water (A1) ter Table (on (A3) arks (B1) (it Deposits posits (B3)	imum of o A2) Nonriveri (B2) (Nor (Nonriver s (B6)	ne) nriverine) rine)		I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized Rh Presence of) B11) (B12) ertebrate Gulfide On hizosphe f Reduce Reducet	es (B13) dor (C1) res along ad Iron (C4 on in Tilleo	2 Living Rot	Hydric So	condary Ir Water M Sedimer Drift Dep Drainage Crayfish Saturatio	ndicators (arks (B1) at Depositionsite (B3) e Patterns son Water Burrows ((2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir	equired)
/DROLO /etland Hyd rimary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic	GY trology In teators (min Water (A1) ter Table (on (A3) arks (B1) (tt Deposits posits (B3) Soil Cracks	imum of o) A2) Nonriveri (B2) (Nor (Nonriver s (B6) on Aerial I	ne) nriverine) rine)	 7)	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized RH Presence of Recent Iron) B11) (B12) ertebrate Sulfide On hizosphe f Reduce Reduce Surface (es (B13) dor (C1) res along ad Iron (C4 on in Tilleo (C7)	2 Living Rot	Hydric So	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow	nt? Yes ndicators (arks (B1) nt Deposits posits (B3) e Patterns son Water Burrows (on Visible	(2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3)	equired)
emarks: /DROLO /etland Hyd rimary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic Water-Si	GY Irology In ators (min Water (A1) ter Table (on (A3) arks (B1) (arks (B1) (t Deposits losits (B3) Soil Cracks on Visible of tained Lear	imum of o) A2) Nonriveri (B2) (Nor (Nonriver s (B6) on Aerial I	ne) nriverine) rine)	 7)	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized RH Presence of Recent Iron Fhin Muck S) B11) (B12) ertebrate Sulfide On hizosphe f Reduce Reduce Surface (es (B13) dor (C1) res along ad Iron (C4 on in Tilleo (C7)	2 Living Rot	Hydric So	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow	nt? Yes ndicators (arks (B1) nt Deposits posits (B3) e Patterns son Water Burrows (bon Visible Aquitard ((2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3)	equired)
Provident Statements: Provident Statements Provident Statements	GY trology In ators (min Water (A1) ter Table (on (A3) arks (B1) (it Deposits posits (B3) Soil Cracks on Visible of tained Lear vations:	imum of o A2) (B2) (Nor (Ronriver s (B6) on Aerial In ves (B9)	ne) nriverine) rine)	7)	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized RH Presence of Recent Iron Fhin Muck S) B11) (B12) ertebrate Sulfide Ou hizosphe f Reduce Reducti Surface (ain in Re	os (B13) dor (C1) res along ad Iron (C4 on in Tilled (C7) omarks)	2 Living Rot	Hydric So	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow	nt? Yes ndicators (arks (B1) nt Deposits posits (B3) e Patterns son Water Burrows (bon Visible Aquitard ((2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3)	equired)
Verland Hyd Verland Hyd Trimary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic Water-St ield Observ urface Wate	GY trology In ators (min Water (A1) ter Table (on (A3) arks (B1) (it Deposits posits (B3) Soil Cracks on Visible of tained Leav vations: ar Present	imum of o A2) Nonriveri (B2) (Nor (Nonriver s (B6) on Aerial In ves (B9)	ne) nriverine) ine) magery (B	7)	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized Rt Presence of Recent Iron Chin Muck S Dther (Expla Depth (incl) B11) (B12) ertebrate Sulfide Ou nizosphe f Reduce Reducti Surface (ain in Re	es (B13) dor (C1) res along ad Iron (C4 on in Tilleo (C7)	2 Living Rot	Hydric So	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea Crayfish Saturatic Shallow	nt? Yes ndicators (arks (B1) nt Deposits posits (B3) e Patterns son Water Burrows (bon Visible Aquitard ((2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3)	equired)
/DROLO /etland Hyd rimary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic Water-Si leld Obser urface Water	GY trology In tators (min Water (A1) ter Table (on (A3) arks (B1) (tt Deposits toosits (B3) Soil Cracks on Visible (tained Lear vations: present?	imum of o A2) Nonriveri (B2) (Nor (Nonriver s (B6) on Aerial li ves (B9) ? Ye	ne) nriverine) rine) magery (B es es	7)	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized Rh Presence of Recent Iron Fhin Muck S Dther (Expl Depth (inch Depth (inch) B11) (B12) ertebrate Sulfide On hizosphe f Reduce Reducti Surface (ain in Re hes): hes):	os (B13) dor (C1) res along ad Iron (C4 on in Tilled (C7) omarks)	Living Rody) 1 Soils (C	Hydric So	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish Saturatic Shallow FAC-Net	ndicators (arks (B1) at Deposition bosits (B3) e Patterns son Water Burrows (on Visible Aquitard (utral Test	(2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3) (D5)	equired)
Provide aturation Pro- Provide aturation Pro- Provid	GY trology In- ators (min Water (A1) ter Table (on (A3) arks (B1) (it Deposits posits (B3) Soil Cracks on Visible of tained Leav rations: ar Present? esent? esent?	imum of o A2) (B2) (Nor (Nonriver s (B6) on Aerial li ves (B9) ? Yo Yo Yo	ne) nriverine) magery (B es es es	7) No No	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized RH Presence of Recent Iron Chin Muck S Dther (Expla Depth (inch Depth (inch) B11) (B12) ertebrate Sulfide On nizosphe f Reduce Reducti Surface (ain in Re nes): hes):	s (B13) dor (C1) res along ad Iron (C4 on in Tilleo (C7) omarks) >Iôth >Iôth	Living Rod	Hydric So Sec ots (C3) 6) land Hydrolo	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish Saturatic Shallow FAC-Net	ndicators (arks (B1) at Deposition bosits (B3) e Patterns son Water Burrows (on Visible Aquitard (utral Test	(2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3) (D5)	equired)
Provide aturation Pro- Provide aturation Pro- Pro- Provide aturation Pro- Pro- Provide aturation Pro- Pro- Provide aturation Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro- Pro-	GY trology In- ators (min Water (A1) ter Table (on (A3) arks (B1) (it Deposits posits (B3) Soil Cracks on Visible of tained Leav rations: ar Present? esent? esent?	imum of o A2) (B2) (Nor (Nonriver s (B6) on Aerial li ves (B9) ? Yo Yo Yo	ne) nriverine) magery (B es es es	7) No No	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized RH Presence of Recent Iron Chin Muck S Dther (Expla Depth (inch Depth (inch) B11) (B12) ertebrate Sulfide On nizosphe f Reduce Reducti Surface (ain in Re nes): hes):	s (B13) dor (C1) res along ad Iron (C4 on in Tilleo (C7) omarks) >Iôth >Iôth	Living Rod	Hydric So	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish Saturatic Shallow FAC-Net	ndicators (arks (B1) at Deposition bosits (B3) e Patterns son Water Burrows (on Visible Aquitard (utral Test	(2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3) (D5)	equired)
Primary India Primary India Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatia Water-Si Ield Observer Auter Table aturation Princludes cap	GY trology In- ators (min Water (A1) ter Table (on (A3) arks (B1) (it Deposits posits (B3) Soil Cracks on Visible of tained Leav rations: ar Present? esent? esent?	imum of o A2) (B2) (Nor (Nonriver s (B6) on Aerial li ves (B9) ? Yo Yo Yo	ne) nriverine) magery (B es es es	7) No No	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized RH Presence of Recent Iron Chin Muck S Dther (Expla Depth (inch Depth (inch) B11) (B12) ertebrate Sulfide On nizosphe f Reduce Reducti Surface (ain in Re nes): hes):	s (B13) dor (C1) res along ad Iron (C4 on in Tilleo (C7) omarks) >Iôth >Iôth	Living Rod	Hydric So Sec ots (C3) 6) land Hydrolo	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish Saturatic Shallow FAC-Net	ndicators (arks (B1) at Deposition bosits (B3) e Patterns son Water Burrows (on Visible Aquitard (utral Test	(2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3) (D5)	equired)
Primary India Primary India Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Mater-Si Teld Observice Surface Water Vater Table Saturation Princludes cap	GY trology In- ators (min Water (A1) ter Table (on (A3) arks (B1) (it Deposits posits (B3) Soil Cracks on Visible of tained Leav rations: ar Present? esent? esent?	imum of o A2) (B2) (Nor (Nonriver s (B6) on Aerial li ves (B9) ? Yo Yo Yo	ne) nriverine) magery (B es es es	7) No No	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized RH Presence of Recent Iron Chin Muck S Dther (Expla Depth (inch Depth (inch) B11) (B12) ertebrate Sulfide On nizosphe f Reduce Reducti Surface (ain in Re nes): hes):	s (B13) dor (C1) res along ad Iron (C4 on in Tilleo (C7) omarks) >Iôth >Iôth	Living Rod	Hydric So Sec ots (C3) 6) land Hydrolo	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish Saturatic Shallow FAC-Net	ndicators (arks (B1) at Deposition bosits (B3) e Patterns son Water Burrows (on Visible Aquitard (utral Test	(2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3) (D5)	equired)
Primary Indic Primary Indic Primary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic Water-Si Field Obsen Surface Water Vater Table Saturation Pr ncludes cap Describe Rec	GY trology In- ators (min Water (A1) ter Table (on (A3) arks (B1) (it Deposits posits (B3) Soil Cracks on Visible of tained Leav rations: ar Present? esent? esent?	imum of o A2) (B2) (Nor (Nonriver s (B6) on Aerial li ves (B9) ? Yo Yo Yo	ne) nriverine) magery (B es es es	7) No No	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized RH Presence of Recent Iron Chin Muck S Dther (Expla Depth (inch Depth (inch) B11) (B12) ertebrate Sulfide On nizosphe f Reduce Reducti Surface (ain in Re nes): hes):	s (B13) dor (C1) res along ad Iron (C4 on in Tilleo (C7) omarks) >Iôth >Iôth	Living Rod	Hydric So Sec ots (C3) 6) land Hydrolo	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish Saturatic Shallow FAC-Net	ndicators (arks (B1) at Deposition bosits (B3) e Patterns son Water Burrows (on Visible Aquitard (utral Test	(2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3) (D5)	equired)
Verland Hyd Vetland Hyd Vetland Hyd Vetland Hyd Saturatic Water M Sedimer Surface Unift Dep Surface Unift Dep Surface Water-Si ield Obsen vurface Water Vater Table aturation Pr ncludes cap escribe Rec	GY trology In- ators (min Water (A1) ter Table (on (A3) arks (B1) (it Deposits posits (B3) Soil Cracks on Visible of tained Leav rations: ar Present? esent? esent?	imum of o A2) (B2) (Nor (Nonriver s (B6) on Aerial li ves (B9) ? Yo Yo Yo	ne) nriverine) magery (B es es es	7) No No	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized RH Presence of Recent Iron Chin Muck S Dther (Expla Depth (inch Depth (inch) B11) (B12) ertebrate Sulfide On nizosphe f Reduce Reducti Surface (ain in Re nes): hes):	s (B13) dor (C1) res along ad Iron (C4 on in Tilleo (C7) omarks) >Iôth >Iôth	Living Rod	Hydric So Sec ots (C3) 6) land Hydrolo	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish Saturatic Shallow FAC-Net	ndicators (arks (B1) at Deposition bosits (B3) e Patterns son Water Burrows (on Visible Aquitard (utral Test	(2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3) (D5)	equired)
emarks: /DROLO /etland Hyd rimary Indic Surface High Wat Saturatic Water M Sedimer Drift Dep Surface Inundatic Water-Si eld Obsen urface Water factor Table aturation Pr ncludes cap escribe Rec	GY trology In- ators (min Water (A1) ter Table (on (A3) arks (B1) (it Deposits posits (B3) Soil Cracks on Visible of tained Leav rations: ar Present? esent? esent?	imum of o A2) (B2) (Nor (Nonriver s (B6) on Aerial li ves (B9) ? Yo Yo Yo	ne) nriverine) magery (B es es es	7) No No	I that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Dxidized RH Presence of Recent Iron Chin Muck S Dther (Expla Depth (inch Depth (inch) B11) (B12) ertebrate Sulfide On nizosphe f Reduce Reducti Surface (ain in Re nes): hes):	s (B13) dor (C1) res along ad Iron (C4 on in Tilleo (C7) omarks) >Iôth >Iôth	Living Rod	Hydric So Sec ots (C3) 6) land Hydrolo	ondary Ir Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish Saturatic Shallow FAC-Net	ndicators (arks (B1) at Deposition bosits (B3) e Patterns son Water Burrows (on Visible Aquitard (utral Test	(2 or more r (Riverine) s (B2) (Riverine) s (B10) r Table (C2 (C8) on Aerial Ir (D3) (D5)	equired) erine)

Project/Site: STEVENS CREEK QUARRY	City/County: WPERTINO	Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	State: CA	Sampling Point:7
Investigator(s): A. VAN ZUUK, M. TRUEBLOOD	Section, Township, Range:	· 在1993年, 「1993年
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):	Slope (%):
Subregion (LRR): Lat:	Long:	Datum:
Soil Map Unit Name:	NWI classi	fication:
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes No (If no, explain in	Remarks.)
Are climatic / hydrologic conditions on the site typical for this time of Are Vegetation, Soil, or Hydrology significan	tly disturbed? Are "Normal Circumstances	" present? Yes 📈 No
Are Vegetation, Soil, or Hydrology naturally	problematic? (If needed, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showin	ng sampling point locations, transec	ts, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	- Is the Sampled Area within a Wetland? Yes	No
Remarks:		

	Absolute		t Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata:3 (B)
4				Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)		_ = Total Co	ver	That Are OBL, FACW, or FAC: (A/B)
1. BALLHARIS PILULARIS	10	Y	UPL	Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3.				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
	10	_ = Total Co	over	FACU species x 4 =
Herb Stratum (Plot size:)	• 4	v	-91	UPL species x 5 =
1. TYPHA LATIFULA		- <u>Y</u>	OBL	Column Totals: (A) (B)
2. CYPERUS ERAGROSTIS		<u> </u>	FAC	Prevalence Index = B/A =
3. RUMEX CRISPUS		·	FACW	Hydrophytic Vegetation Indicators:
4. PERSICARIA LAPATHIFOLIA				✓ Dominance Test is >50%
5				Prevalence Index is ≤3.0 ¹
6 7				Morphological Adaptations ¹ (Provide supporting
8				data in Remarks or on a separate sheet)
	17	_ = Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)	10	1.8		¹ Indicators of hydric soil and wetland hydrology must
1				be present, unless disturbed or problematic.
2		_ = Total Co	ver	Hydrophytic Vegetation
% Bare Ground in Herb Stratum73 % Cove	r of Biotic C	rust		Present? Yes <u>No</u>
Remarks: HERBICIDE TREATED / MAINTAIN	ALED.			
	Pr.			

SOIL		Sampling Point:7
Profile Description: (Describe to the	depth needed to document the indicator o	or confirm the absence of indicators.)
Depth Matrix	Redox Features	A REAL AND A
(inches) Color (moist) %	Color (moist)%Type ¹	Loc ² Texture Remarks
0-14" 104 3/1 100		SANDY SILTY CLAY LOAM
	RM=Reduced Matrix, CS=Covered or Coated	
Hydric Soil Indicators: (Applicable to		Indicators for Problematic Hydric Solis ³ :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Red Parent Material (TF2) Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):	1-0	
Туре:		/
Depth (inches):		Hydric Soil Present? Yes No
Remarks:		
	. JĒL Y I	SALMAR SIRAL S
YDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one requ	ired; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverin	e) Oxidized Rhizospheres along L	iving Roots (C3) Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)) Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled	Soils (C6) Saturation Visible on Aerial Imagery (C9
Inundation Visible on Aerial Imagery	(B7) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:	/	
Surface Water Present? Yes	∠ No Depth (inches):	
Water Table Present? Yes	∠ No Depth (inches): 10**	_
Saturation Present? Yes <u>/</u> (includes capillary fringe)	_ No Depth (inches): 76``	_ Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge,	monitoring well, aerial photos, previous insp	pections), if available:
Remarks:		1 4 5 4 4 5 4
		12. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
		Girl ANE MARKA 、合衆学科学校、日本人科学院学校
		6

Project/Site: STEVEN'S CREEK	QUARRY		City/County:	CUPERTINO		Sampling Date: _	10/13/2017
Applicant/Owner: MITCHELL CH	ADWICK LLC			S	tate: <u>CA</u>	Sampling Point: _	
Investigator(s): A. VAN ZUUK M.	TRUEBLOOD		Section, Tow	nship, Range:		前 前前:2	200 1
Landform (hillslope, terrace, etc.):							be (%):
Subregion (LRR):							
Soil Map Unit Name:						ification:	
Are climatic / hydrologic conditions on	the site typical for t	his time of ye	ar?Yes 🔽	No (II	f no, explain in	Remarks.)	
Are Vegetation, Soil, c						" present? Yes	No
Are Vegetation, Soil, c						wers in Remarks.)	
SUMMARY OF FINDINGS -							atures, etc
Hydrophytic Vegetation Present?	Yes	No	Is the	Sampled Area			
Hydric Soil Present?	Yes			a Wetland?	Yes	No	
Wetland Hydrology Present?	Yes	No					
Remarks:				11-0-7381			

ecies FAC: <u>0</u> (A) nt a: <u>3</u> (B) ecies FAC: <u>0</u> (A/ sheet: <u>Multiply by:</u>
a: <u>3</u> (B) ecies · FAC: <u>0</u> (A/ sheet:
ecies • FAC:(A/ sheet:
x1=
x 2 =
x 3 =
x 4 =
x 5 =
(A) (B
(*) (2
= B/A =
Indicators:
50%
≤3.0 ¹
ations ¹ (Provide supporting or on a separate sheet)
ytic Vegetation ¹ (Explain)
and wetland hydrology must
bed or problematic.
No

Sampling Point: 7A

Ì

Profile Description: (Describe to t Depth <u>Matrix</u>	0.2019.00	Redox Features				
(inches) Color (moist)	% Color (moist) %	Type ¹	_Loc ²	Texture	Remarks
0-10" 2.5Y 8/3 1	00				SILTY CLAY	La contrar 2.455 6
					2121 St. 122 St. 123	
					25 A.M.	
Type: C=Concentration, D=Depletic	on, RM=Reduced Matrix	, CS=Covered	or Coate	d Sand Gr	ains. ² Location	n: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable	e to all LRRs, unless o	therwise note	ed.)	Sec		Problematic Hydric Soils ³ :
Histosol (A1)	Sandy I	Redox (S5)			1 cm Muck	(A9) (LRR C)
_ Histic Epipedon (A2)	Stripper	d Matrix (S6)			2 cm Muck	(A10) (LRR B)
Black Histic (A3)		Mucky Mineral			Reduced V	ertic (F18)
Hydrogen Sulfide (A4)		Gleyed Matrix	(F2)		Red Parent	Material (TF2)
Stratified Layers (A5) (LRR C)		d Matrix (F3)			Other (Expl	ain in Remarks)
1 cm Muck (A9) (LRR D)		Dark Surface (I				
_ Depleted Below Dark Surface (A		d Dark Surface				
_ Thick Dark Surface (A12)		Depressions (F	-8)			drophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)		Pools (F9)				plogy must be present,
Restrictive Layer (if present):						ped or problematic.
Type:						
Depth (inches):		V50			Hydric Soil Pres	sent? Yes <u>No</u> <u>V</u>
Depth (inches):		-124 		(8	Hydric Soli Pres	sent? Yes <u>No</u> <u>V</u>
Depth (inches):		.190	Ŷ	62	Hydric Soil Pres	
Depth (inches):		999. 921.	5	012	Hydric Soli Pres	in an
Depth (inches):	equired: check all that a		8	dip	-	in an
Depth (inches):	Table -		8		Secondary	Indicators (2 or more required)
Depth (inches):	Salt Cr	apply) ust (B11)	3	657	<u>Secondary</u> Water	Indicators (2 or more required) Marks (B1) (Riverine)
Depth (inches):	Salt Cr Biotic (apply) ust (B11) Crust (B12)	(B13)		<u>Secondary</u> Water Sedim	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine)
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one r Surface Water (A1) High Water Table (A2)	Salt Cr Biotic (Aquatic	apply) ust (B11) Crust (B12) c Invertebrates	÷ .		<u>Secondary</u> Water Sedim Drift Do	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine)
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Trimary Indicators (minimum of one r Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Cr Biotic (Aquatic Hydrog	apply) ust (B11) Crust (B12) c Invertebrates jen Sulfide Odd	or (C1)	94 a 3 8 241	<u>Secondary</u> Water Sedim Drift Do Draina	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one m Surface Water (A1) High Water Table (A2) Saturation (A3)	Sait Cr Biotic (Aquatic Hydrog erine) Oxidize	apply) ust (B11) Crust (B12) c Invertebrates	or (C1) es along L	iving Roof	<u>Secondary</u> Water Sedim Drift Do Draina ss (C3) Dry-Se	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2)
Depth (inches):	Salt Cr Biotic (Aquatic Hydrog erine) Oxidize	apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ed Rhizosphere ice of Reduced	or (C1) es along L I Iron (C4)	iving Roof	Secondary Water Sedimu Drift Du Draina ss (C3) Dry-Se Crayfis	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one r Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	Salt Cr Biotic (Aquatic Hydrog erine) Oxidize Presen Recent	apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ed Rhizosphere ace of Reduced t Iron Reduction	or (C1) es along L I Iron (C4) n in Tilled	iving Roof	<u>Secondary</u> Water Sedim Drift Do Draina ss (C3) Dry-See Crayfis Satura	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one r 	erine) Salt Cr Biotic (Aquatic Hydrog Oxidize Presen Recent ery (B7) Thin M	apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ed Rhizosphere ice of Reduced t Iron Reduction uck Surface (C	or (C1) es along L I Iron (C4) n in Tilled C7)	iving Roof	Secondary Water Sedim Drift Do Draina ss (C3) Dry-See Crayfis Satura Shallow	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8) tion Visible on Aerial Imagery (C w Aquitard (D3)
Depth (inches):	erine) Salt Cr Biotic (Aquatic Hydrog Oxidize Presen Recent ery (B7) Thin M	apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ed Rhizosphere ace of Reduced t Iron Reduction	or (C1) es along L I Iron (C4) n in Tilled C7)	iving Roof	Secondary Water Sedim Drift Do Draina ss (C3) Dry-See Crayfis Satura Shallow	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C
Depth (inches):	erine) Sait Cr Biotic (Aquatic Hydrog Presen Recent ery (B7) Thin M Other (apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ed Rhizosphere ice of Reduced t Iron Reduction uck Surface (C Explain in Ren	or (C1) es along L I Iron (C4) n in Tilled C7)	iving Roof	Secondary Water Sedim Drift Do Draina ss (C3) Dry-See Crayfis Satura Shallow	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8) tion Visible on Aerial Imagery (C w Aquitard (D3)
Depth (inches):	erine) Salt Cr Biotic (Aquatic Hydrog Oxidize Presen Recent ery (B7) Thin M Other (No Depth	apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ed Rhizosphere ice of Reduced t Iron Reduction uck Surface (C Explain in Ren (inches):	or (C1) es along L I Iron (C4) n in Tilled C7) marks)	iving Roof	Secondary Water Sedim Drift Do Draina ss (C3) Dry-See Crayfis Satura Shallow	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8) tion Visible on Aerial Imagery (C w Aquitard (D3)
Depth (inches):	<pre> Salt Cr Biotic (Aquatic Hydrog erine) Oxidize Presen Recent ery (B7) Thin M Other (No Depth No Depth</pre>	apply) rust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ad Rhizosphere ice of Reduced t Iron Reduction uck Surface (C Explain in Rem (inches): (inches):	or (C1) es along L I Iron (C4) n in Tilled (7) narks) >10⁴⁴	iving Roof	Secondary Water Sedim Drift Du Draina ss (C3)Dry-Se Crayfis Satura Shallou FAC-N	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8) tion Visible on Aerial Imagery (C w Aquitard (D3) eutral Test (D5)
Depth (inches):	<pre> Salt Cr Biotic (Aquatic Hydrog erine) Oxidize Presen Recent ery (B7) Thin M Other (No Depth No Depth</pre>	apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ad Rhizosphere ice of Reduced t Iron Reduction uck Surface (C Explain in Ren (inches): (inches):	or (C1) es along L I Iron (C4) n in Tilled C7) marks)	iving Roof	Secondary Water Sedim Drift Do Draina ss (C3) Dry-See Crayfis Satura Shallow	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8) tion Visible on Aerial Imagery (C w Aquitard (D3) eutral Test (D5)
Depth (inches):	erine) Sait Cr Biotic (Aquatic Hydrog Presen Recent ery (B7) Thin M Other (No Depth No Depth No Depth	apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ed Rhizosphere ice of Reduced t Iron Reduction uck Surface (C Explain in Ren (inches): (inches):	or (C1) es along L I Iron (C4) n in Tilled 7) narks) >10⁴⁴ >10⁵⁵	Soils (C6)	Secondary Water Sedime Drift De Draina Stura Crayfis Crayfis Satura FAC-N nd Hydrology Pre-	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8) tion Visible on Aerial Imagery (C w Aquitard (D3) eutral Test (D5)
Depth (inches):	erine) Sait Cr Biotic (Aquatic Hydrog Presen Recent ery (B7) Thin M Other (No Depth No Depth No Depth	apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ed Rhizosphere ice of Reduced t Iron Reduction uck Surface (C Explain in Ren (inches): (inches):	or (C1) es along L I Iron (C4) n in Tilled 7) narks) >10⁴⁴ >10⁵⁵	Soils (C6)	Secondary Water Sedime Drift De Draina Stura Crayfis Crayfis Satura FAC-N nd Hydrology Pre-	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8) tion Visible on Aerial Imagery (C w Aquitard (D3) eutral Test (D5)
Depth (inches):	erine) Sait Cr Biotic (Aquatic Hydrog Presen Recent ery (B7) Thin M Other (No Depth No Depth No Depth	apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ed Rhizosphere ice of Reduced t Iron Reduction uck Surface (C Explain in Ren (inches): (inches):	or (C1) es along L I Iron (C4) n in Tilled 7) narks) >10⁴⁴ >10⁵⁵	Soils (C6)	Secondary Water Sedime Drift De Draina Stura Crayfis Crayfis Satura FAC-N nd Hydrology Pre-	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8) tion Visible on Aerial Imagery (C w Aquitard (D3) eutral Test (D5)
Depth (inches):	erine) Sait Cr Biotic (Aquatic Hydrog Presen Recent ery (B7) Thin M Other (No Depth No Depth No Depth	apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ed Rhizosphere ice of Reduced t Iron Reduction uck Surface (C Explain in Ren (inches): (inches):	or (C1) es along L I Iron (C4) n in Tilled 7) narks) >10⁴⁴ >10⁵⁵	Soils (C6)	Secondary Water Sedime Drift De Draina Stura Crayfis Crayfis Satura FAC-N nd Hydrology Pre-	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8) tion Visible on Aerial Imagery (C w Aquitard (D3) eutral Test (D5)
Depth (inches):	erine) Sait Cr Biotic (Aquatic Hydrog Presen Recent ery (B7) Thin M Other (No Depth No Depth No Depth	apply) ust (B11) Crust (B12) c Invertebrates gen Sulfide Odd ed Rhizosphere ice of Reduced t Iron Reduction uck Surface (C Explain in Ren (inches): (inches):	or (C1) es along L I Iron (C4) n in Tilled 7) narks) >10⁴⁴ >10⁵⁵	Soils (C6)	Secondary Water Sedime Drift De Draina Stura Crayfis Crayfis Satura FAC-N nd Hydrology Pre-	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) th Burrows (C8) tion Visible on Aerial Imagery (C w Aquitard (D3) eutral Test (D5)

Project/Site: STEVEN'S CREEK QUARRY		City/Coun	ty: CUPE	RTINO	_ Sampling Date: 10/18/2017
Applicant/Owner: MITCHELL CHADWICK LL				State:	
Investigator(s): A.VAN ZUUK, M. TRUEBLOOD					
Landform (hillslope, terrace, etc.):					
Subregion (LRR):					
Soil Map Unit Name:					fication:
Are climatic / hydrologic conditions on the site typical fo	r this time of ve	ar? Yes		(If no, explain in	
Are Vegetation, Soil, or Hydrology					present? Yes No
Are Vegetation, Soil, or Hydrology				eeded, explain any answ	
SUMMARY OF FINDINGS – Attach site ma					
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes	No No No	ls t	he Sample hin a Wetla	d Area	✓ No
Remarks:				<u> </u>	
) – e "ji		
/EGETATION – Use scientific names of p	Absolute	Dominan	t Indicator	Dominance Test wor	
<u>Tree Stratum</u> (Plot size:) 1	% Cover	Species?	Status	Number of Dominant S That Are OBL, FACW	Species j
23				Total Number of Domi Species Across All Str	
4	Process of	= Total Co	over	Percent of Dominant S That Are OBL, FACW,	Species JOO' (A/B)
1				Prevalence Index wo	rksheet:
2				Total % Cover of:	Multiply by:
3				OBL species	x 1 =
4				the second s	x2=
5	<u> </u>				x 3 =
Herb Stratum (Plot size:)		= Total Co	over		x 4 =
1. Typhu latitolia	100	Y	Ubl		x 5 =
2. Shineplectes acutes orcidentalis		N	Cbl	Column Totals:	(A) (B)
3. Cyperis everiestis	S	N	Fach	Prevalence Index	x = B/A =
4. EPILOBIUM CILIATUM	5	N	FACW	Hydrophytic Vegetati	on Indicators:
5. RUMEX CRISPUS	3	N	FAC	Dominance Test is	s >50%
6				Prevalence Index	is ≤3.0 ¹
7			1		aptations ¹ (Provide supporting
8				N/	(s or on a separate sheet)
Woody Vine Stratum (Plot size:)	110	= Total Co	over		ophytic Vegetation ¹ (Explain)
1) 2.			<u>,</u>	¹ Indicators of hydric so be present, unless dist	il and wetland hydrology must urbed or problematic.
-		= Total Co		Hydrophytic	1
				Vegetation	
% Bare Ground in Herb Stratum % Co	ver of Biotic Cri	ust		Present? Ye	s <u> </u>

ampling	Point:	8
umping	T OILL	V

Profile Deposite (Deposite to the depth readed to depute and the indirates an an	
Profile Description: (Describe to the depth needed to document the indicator or con	firm the absence of indicators.)
Depth Matrix Redox Features	
inches) <u>Color (moist) % Color (moist) % Type¹ Loc</u>	² Texture Remarks
2-19" 2.57 ?/1 100	A A A A A A A A A A A A A A A A A A A
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand	
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	
	Indicators for Problematic Hydric Soils ³ :
_ Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
_ Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
_ Stratified Layers (A5) (LRR C) Depleted Matrix (F3)	V Other (Explain in Remarks)
_ 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	
_ Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	3
_ Thick Dark Surface (A12) Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
_ Sandy Mucky Mineral (S1) Vernal Pools (F9)	wetland hydrology must be present,
_ Sandy Gleyed Matrix (S4) estrictive Layer (if present):	unless disturbed or problematic.
Туре:	(
Depth (inches): emarks: Partially abandonec sattly pend Isolaked. Process	Hydric Soil Present? Yes <u>No</u> <u>No</u>
emarks: Partially abandonec sattly pend Isolated. Process	
Partially abundance satting pend Isolated. Process DROLOGY	
Brology etiand Hydrology Indicators:	
emarks: Partially abandonec satting pond Isolated. Process DROLOGY etiand Hydrology Indicators:	
emarks: Pa.t.olly abandonec setting pand I solated. Process DROLOGY etiand Hydrology Indicators: imary Indicators (minimum of one required; check all that apply)	of Silling and Hegrading. Secondary Indicators (2 or more required)
emarks: Partially abundance satting pand I solated. Process DROLOGY etiand Hydrology Indicators: imary Indicators (minimum of one required; check all that apply) Surface Water (A1)Salt Crust (B11)	of Silling and Higrady. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine)
emarks: Partially abundance satting pand Isdated. Process DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Surface Crust (B11) High Water Table (A2)	of Silling and Highed by. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
emarks: Partially abundance Sattley pand Isolated. Process DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Market Satt Crust (B12) Aquatic Invertebrates (B13)	of Silling and Higrading. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
emarks: Partially abundance Sattley pand Isolated. Process DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Market Marks (B1) (Nonriverine)	of Silling and Higrading. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
emarks: Partially abundance Sutting Pand I solated. Process 'DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; check all that apply)	of Silling and Higrady. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2)
emarks: Pa. t.elly abundance SatTi-y pand, I solated. Process DROLOGY etiand Hydrology Indicators: imary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Market Marks (B1) (Nonriverine) Presence of Reduced Iron (C4)	of Silling and Higrady. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
emarks: Partial download Sattly part for a solated. Process DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Mater Inverted Particular (C4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (of Silling and Higrading. Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C8)
emarks: Partially Abundance SatTiny Pand I solated. Process DROLOGY ettand Hydrology Indicators: imary Indicators (minimum of one required; check all that apply)	of Silling and Highed by:
emarks: Partially Abundance SatTiny Pand I solated. Process DROLOGY ettand Hydrology Indicators: imary Indicators (minimum of one required; check all that apply)	of Silling and Higrading. Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C8)
emarks: Partially abundance Sutting Panol Isolation. Process DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; check all that apply)	of Silling and Higradity. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
emarks: Partially abundance Sutting Pand Esclated. Process 'DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; check all that apply) _Surface Water (A1) _High Water Table (A2) _Saturation (A3) _Water Marks (B1) (Nonriverine) _Drift Deposits (B2) (Nonriverine) _Surface Soil Cracks (B6) _Inundation Visible on Aerial Imagery (B7) _Inundation State (B2)	of Silling and Higradity. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
emarks: Partially abandoned SatTilly Part Solated. Process /DROLOGY etiand Hydrology Indicators: imary Indicators (minimum of one required: check all that apply) Surface Water (A1)	of Silling and Higradity. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
emarks: Partially Abundance Satting Panol Isolatied. Process /DROLOGY etiand Hydrology Indicators: imary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water Present? Yes No Depth (inches): Yes	of Silling and Higradity. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
emarks: Particle Satting Parcel & Solakad. Process PDROLOGY Fetland Hydrology Indicators: Final (Construction of the required; check all that apply) Surface Vater (A1) Salt Crust (B11)	of Silling and Highed by. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5) Mo
emarks: Part.oll Satting Parod. I solatied. Process /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply)	of Silling and Highed by. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5) Mo
emarks: fa.t.sll downlinec fatting pcmol. f.solaliad. Process /DROLOGY /etiand Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply)	of Silling and Highed by. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5) Vetland Hydrology Present? Yes No
emarks: fait.ell SatTily pcool Isdaked. Process /DROLOGY /etiand Hydrology Indicators: rimary Indicators (minimum of one required; check all that apply) _Surface Water (A1) _Salt Crust (B11) _High Water Table (A2)	of Silling and Highed by. <u>Secondary Indicators (2 or more required)</u> Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5) Vetland Hydrology Present? Yes No

Project/Site: STEVEN'S CREEK QUARRY	City/County: CUPERTINO	Sampling	Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	State	e: Sampling	Point: 8A
Investigator(s): A. VAN ZUUK, M. TRUEBLOOD	Section, Township, Range:	1001 (計算) (計算)	教育 行行主任
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, non	e):	Slope (%):
Subregion (LRR): Lat:	Long:		Datum:
Soil Map Unit Name:		NWI classification:	
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes No (If no	, explain in Remarks.)	/
Are Vegetation, Soil, or Hydrology significantly	/ disturbed? Are "Normal Circ	cumstances" present?	Yes No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed, expla	in any answers in Rema	arks.)
SUMMARY OF FINDINGS - Attach site map showing	g sampling point locations,	transects, import	lant features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No No No	Is the Sampled Area within a Wetland?	Yes No
Remarks: UPLAND POINT.		=	hand good good a	

	Absolute		Indicator	Dominance Test worksheet	:	
<u>Tree Stratum</u> (Plot size:) 1		Species?		Number of Dominant Species That Are OBL, FACW, or FAC		(A)
2 3				Total Number of Dominant Species Across All Strata:		(B)
4		= Total Co	over	Percent of Dominant Species That Are OBL, FACW, or FAC	C: 0	(A/B)
1				Prevalence Index workshee		
2	_			Total % Cover of:	Multiply by:	-
3			· · · · · · · · · · · · · · · · · · ·	OBL species	x 1 =	_
4				FACW species		
5				FAC species	x 3 =	the 12
		= Total Co	over	FACU species	x 4 =	_
Herb Stratum (Plot size:)				UPL species	x 5 =	
1. KICKXIA ELATINE		<u> </u>	UPL	Column Totals:	(A)	_ (B)
2. BROMUS MADRITENSIS	2	N	UPL			
3. MADIA GOZACILIS?	5	N	UPL	Prevalence Index = B/A		_
4. BRASSICA NIERA	3	<u>4</u>	UPL	Hydrophytic Vegetation Ind		
5. CARDUUS PYCNOCEPHALUS	5	N	UPL	Dominance Test is >50%		
6				Prevalence Index is ≤3.0		
7				Morphological Adaptation data in Remarks or or	ns ¹ (Provide suppor	rting
8					. ,	
	25	= Total Co	ver	Problematic Hydrophytic	vegetation (Expla	iin)
Woody Vine Stratum (Plot size:)						
1				¹ Indicators of hydric soil and y be present, unless disturbed		must
2			<u></u>			
		= Total Co	ver	Hydrophytic	/	
% Bare Ground in Herb Straturn % Cove	r of Biotic Cr	rust		Vegetation Present? Yes	No	- 1
Remarks:						
						e .

Profile Description: (Describe Depth Matrix		Redo	x Features			(ALL C	W PE mole IV - 1		was wear in the	
(inches) Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textu	reastant	i (idaa)	Remarks	
0-9" 2.54 3/2	100 -					SAND	YCLAY		all' à	
			Se			-				
					_	17 V		-		
te the transmitter		an seat and a			0.3			and a		de an
Type: C=Concentration, D=Dep					d Sand Gr				e Lining, M=	
lydric Soil Indicators: (Applic	able to all LRR			əa.)	9				tic Hydric So	DIIS":
Histosol (A1)		Sandy Redo					cm Muck (A			
Histic Epipedon (A2) Black Histic (A3)		Stripped Ma Loamy Mucl		(E1)			cm Muck (A educed Ver			
Black Histic (A3) Hydrogen Sulfide (A4)		Loamy Much					ed Parent M	• •		
Stratified Layers (A5) (LRR (-	Depleted Ma		(•)			ther (Explain			
1 cm Muck (A9) (LRR D)		Redox Dark		F6)		, <u> </u>				
Depleted Below Dark Surface	e (A11)	Depleted Da	•							
Thick Dark Surface (A12)	_	Redox Depr	essions (F	-8)		³ Indica	ators of hydr	ophytic	vegetation a	nd
Sandy Mucky Mineral (S1)	a Zerrin II	Vernal Pools	s (F9)						be present,	
Sandy Gleyed Matrix (S4)						unie	ess disturbe	d or prol	plematic.	
testrictive Layer (if present):										
Type:										
Depth (inches):						Hydric	Soil Prese	nt? Y	95	No
Depth (inches):						Hydric	Soil Prese	nt? Y	95	No
Depth (inches): Remarks: YDROLOGY						Hydric	Soil Prese	nt? Y	85 <u> </u>	No <u> </u>
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators:	ne required: che	ock all that apply				<u><u></u></u>				
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of o	ne required; che					<u><u></u></u>	Secondary In	dicators	(2 or more r	
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1)	ne required; che	Salt Crust	(B11)			<u><u></u></u>	Secondary In	dicators arks (B1	. (2 or more r) (Riverine)	equired)
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2)	ne required; che	Salt Crust (Biotic Crus	(B11) t (B12)	(B13)		<u><u></u></u>	Secondary In Water M Sedimen	dicators arks (B1 tt Depos	(2 or more r) (Riverine) its (B2) (Rive	equired) erine)
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3)		Salt Crust (Biotic Crus Aquatic Inv	(B11) t (B12) rertebrates			<u><u></u></u>	Secondary In Water M Sedimen Drift Dep	dicators arks (B1 tt Depos oosits (B	(2 or more r) (Riverine) its (B2) (Rive 3) (Riverine)	equired) erine)
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriver	ne)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S	(B11) t (B12) ertebrates Sulfide Od	or (C1)	iving Bog	<u>§</u> 	Gecondary Ir Water M Sedimen Drift Dep Drainage	dicators arks (B1 tt Depos posits (B Patterr	: (2 or more r) (Riverine) its (B2) (Rive 3) (Riverine) is (B10)	equired) erine)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriveri Sediment Deposits (B2) (Nor	ne) Iriverine)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R	(B11) t (B12) rertebrates Sulfide Od hizospher	or (C1) es along L	-	<u>§</u> 	Secondary Ir Water M Sedimen Drift Dep Drainage Dry-Sea:	dicators arks (B1 tt Depos posits (B Patterr son Wat	(2 or more r) (Riverine) its (B2) (Rive 3) (Riverine) is (B10) er Table (C2	equired) erine)
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriveri Sediment Deposits (B2) (Nor Drift Deposits (B3) (Nonriver	ne) Iriverine)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced	or (C1) es along L d Iron (C4)	<u>s</u> ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish	dicators arks (B1 tt Depos oosits (B Patterr son Wat Burrows	(2 or more r) (Riverine) its (B2) (Rive 3) (Riverine) is (B10) er Table (C2 5 (C8)	equired) erine)
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriveri Sediment Deposits (B2) (Nor Drift Deposits (B3) (Nonriver Surface Soil Cracks (B6)	ne) riverine) ine)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio	or (C1) es along L d Iron (C4 on in Tilled)	<u>s</u> ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatic	dicators arks (B1 tt Depos posits (B Patterr son Wat Burrows on Visible	(2 or more r) (Riverine) its (B2) (Rive 3) (Riverine) is (B10) er Table (C2 5 (C8) e on Aerial In	equired) erine)
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of o 	ne) riverine) ine)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface ((or (C1) es along L d Iron (C4 on in Tilled C7))	<u>s</u> ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatic Shallow	dicators arks (B1 tt Depos posits (B Patterr son Wat Burrows on Visible Aquitard	(2 or more r) (Riverine) its (B2) (Riverine) its (B10) is (B10) er Table (C2 s (C8) e on Aerial In (D3)	equired) erine)
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of o 	ne) riverine) ine)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface ((or (C1) es along L d Iron (C4 on in Tilled C7))	<u>s</u> ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatic	dicators arks (B1 tt Depos posits (B Patterr son Wat Burrows on Visible Aquitard	(2 or more r) (Riverine) its (B2) (Riverine) its (B10) is (B10) er Table (C2 s (C8) e on Aerial In (D3)	equired) erine)
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Trimary Indicators (minimum of o 	ne) Iriverine) ine) nagery (B7)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface (C lain in Rer	or (C1) es along L d Iron (C4 on in Tilled C7))	<u>s</u> ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatic Shallow	dicators arks (B1 tt Depos posits (B Patterr son Wat Burrows on Visible Aquitard	(2 or more r) (Riverine) its (B2) (Riverine) its (B10) is (B10) er Table (C2 s (C8) e on Aerial In (D3)	equired) erine)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: <u>trimary Indicators (minimum of o</u> 	ne) Iriverine) Ine) Magery (B7) Des No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface (C lain in Rer	or (C1) es along L d Iron (C4 on in Tilled C7) marks))	<u>s</u> ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatic Shallow	dicators arks (B1 tt Depos posits (B Patterr son Wat Burrows on Visible Aquitard	(2 or more r) (Riverine) its (B2) (Riverine) its (B10) is (B10) er Table (C2 s (C8) e on Aerial In (D3)	equired) erine)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: <u>trimary Indicators (minimum of o</u> 	ne) Iriverine) Ine) Magery (B7) Pas No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface ((lain in Rer hes):	or (C1) es along L d Iron (C4 on in Tilled C7)) Soils (C6)	ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatic Shallow	dicators arks (B1 th Depos posits (B Patterr son Wat Burrows on Visible Aquitard utral Tes	(2 or more r) (Riverine) its (B2) (Riverine) its (B10) er Table (C2 s (C8) e on Aerial In (D3) t (D5)	equired) erine)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of o 	ne) iriverine) ine) magery (B7) es No es No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp Depth (inc Depth (inc	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface (C lain in Rer hes): hes):	or (C1) es along L d Iron (C4 on in Tilled C7) marks) 79 *) Soils (C6) Wetla	ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Shallow , FAC-Neu FAC-Neu	dicators arks (B1 th Depos posits (B Patterr son Wat Burrows on Visible Aquitard utral Tes	(2 or more r) (Riverine) its (B2) (Riverine) its (B10) er Table (C2 s (C8) e on Aerial In (D3) t (D5)	equired) erine)) nagery (C9
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of o 	ne) iriverine) ine) magery (B7) es No es No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp Depth (inc Depth (inc	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface (C lain in Rer hes): hes):	or (C1) es along L d Iron (C4 on in Tilled C7) marks) 79 *) Soils (C6) Wetla	ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Shallow , FAC-Neu FAC-Neu	dicators arks (B1 th Depos posits (B Patterr son Wat Burrows on Visible Aquitard utral Tes	(2 or more r) (Riverine) its (B2) (Riverine) its (B10) er Table (C2 s (C8) e on Aerial In (D3) t (D5)	equired) erine)) nagery (C9
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of o 	ne) iriverine) ine) magery (B7) es No es No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp Depth (inc Depth (inc	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface (C lain in Rer hes): hes):	or (C1) es along L d Iron (C4 on in Tilled C7) marks) 79 *) Soils (C6) Wetla	ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Shallow , FAC-Neu FAC-Neu	dicators arks (B1 th Depos posits (B Patterr son Wat Burrows on Visible Aquitard utral Tes	(2 or more r) (Riverine) its (B2) (Riverine) its (B10) er Table (C2 s (C8) e on Aerial In (D3) t (D5)	equired) erine)) nagery (C9)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of o 	ne) iriverine) ine) magery (B7) es No es No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp Depth (inc Depth (inc	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface (C lain in Rer hes): hes):	or (C1) es along L d Iron (C4 on in Tilled C7) marks) 79 *) Soils (C6) Wetla	ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Shallow , FAC-Neu FAC-Neu	dicators arks (B1 th Depos posits (B Patterr son Wat Burrows on Visible Aquitard utral Tes	(2 or more r) (Riverine) its (B2) (Riverine) its (B10) er Table (C2 s (C8) e on Aerial In (D3) t (D5)	equired) erine)) nagery (C9
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of o 	ne) iriverine) ine) magery (B7) es No es No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp Depth (inc Depth (inc	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface (C lain in Rer hes): hes):	or (C1) es along L d Iron (C4 on in Tilled C7) marks) 79 *) Soils (C6) Wetla	ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Shallow , FAC-Neu FAC-Neu	dicators arks (B1 th Depos posits (B Patterr son Wat Burrows on Visible Aquitard utral Tes	(2 or more r) (Riverine) its (B2) (Riverine) its (B10) er Table (C2 s (C8) e on Aerial In (D3) t (D5)	equired) erine)) nagery (C9)
Depth (inches): Remarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of o 	ne) iriverine) ine) magery (B7) es No es No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Thin Muck Other (Exp Depth (inc Depth (inc	(B11) t (B12) ertebrates Sulfide Od hizospher of Reduced n Reductio Surface (C lain in Rer hes): hes):	or (C1) es along L d Iron (C4 on in Tilled C7) marks) 79 *) Soils (C6) Wetla	ts (C3)	Secondary In Water M Sedimen Drift Dep Drainage Dry-Seas Crayfish Shallow , FAC-Neu FAC-Neu	dicators arks (B1 th Depos posits (B Patterr son Wat Burrows on Visible Aquitard utral Tes	(2 or more r) (Riverine) its (B2) (Riverine) its (B10) er Table (C2 s (C8) e on Aerial In (D3) t (D5)	equired) erine)) nagery (C9

project/Site: <u>STEVEN'S CREEK QUARRY</u> Applicant/Owner: <u>MITCHELL CHADWICK L</u>				State: CA		/ /
Ivestigator(s): A. VAN ZUUK, M. TRUEBLO	1923					111-30
andform (hillslope, terrace, etc.):						
ubregion (LRR):						
oil Map Unit Name:						
re climatic / hydrologic conditions on the site typica	al for this time of ye	ar? Yes	No	(If no, explain in	Remarks.)	/
re Vegetation, Soil, or Hydrology _	significantly	disturbed?	Are	"Normal Circumstances	" present? Yes 🗹	No
re Vegetation, Soil, or Hydrology _	naturally pro	blematic?	(If h	eeded, explain any answ	vers in Remarks.)	
UMMARY OF FINDINGS - Attach site	map showing	samplin	g point l	locations, transec	ts, important fea	itures, et
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes Remarks:	No No No		e Sampleo iln a Wetla		No	
EGETATION Use scientific names o	Absolute	Dominant Species?		Dominance Test wo		
UMBELLULARIA CALIFORNICA				Number of Dominant That Are OBL, FACW		(A)
ACER MACROPHYLLOM			FAC			
•				Total Number of Dom Species Across All St	rata:	(B)
Bapling/Shrub Stratum (Plot size:	_)	= Total Co	ver	Percent of Dominant That Are OBL, FACW		(A/B
•				Prevalence Index wo	orksheet:	100
				Total % Cover of		
•				OBL species		
·				FACW species		
				FAC species		
erb Stratum (Plot size:)		= Total Co	ver	FACU species	×4=	
SOLANUM AMERICANUM	2	N	FAW	UPL species		
STACHY'S PYCNANTHA		N	PACW	Column Totals:	(A)	(B)
RORIPPA PALUSTRIS	1	N	OBL	Prevalence Inde	x = B/A =	
			- 1	Hydrophytic Vegetat	ion Indicators:	
				🖌 Dominance Test i	s >50%	
				Prevalence Index	is ≤3.0 ¹	
				Morphological Ad data in Remar	aptations ¹ (Provide suks or on a separate si	pporting neet)
(cody.)/inc.Strotum (Blat size)	6	= Total Cov	/er	Problematic Hydr	ophytic Vegetation ¹ (E	Explain)
Voody Vine Stratum (Plot size:)				¹ Indicators of hudric a	المأسط ليشمافهم أمهم أأ	
				¹ Indicators of hydric se be present, unless dis		
		- Tek:10				
		= Total Cov	/er	Hydrophytic		
6 Bare Ground in Herb Stratum ?5 %	Cover of Biotic Cr	ust		Vegetation Present? Y	es No	

ampling Point:

Depth <u>Matrix</u> (inches) Color (moist) %	Redox Features Color (moist) % Type ¹	Loc ²	Texture	Demonia
0-11" NO COLOR 100				Remarks
			SAND	ROGLY, LOTS OF COBBLES
The state of the second s				
ype: C=Concentration, D=Depletion, RM=F	Reduced Matrix, CS=Covered or Coated	Sand Grain	s. ² Loo	cation: PL=Pore Lining, M=Matrix.
vdric Soil Indicators: (Applicable to all L				for Problematic Hydric Solls ³ :
_ Histosol (A1)	Sandy Redox (S5)			Muck (A9) (LRR C)
_ Histic Epipedon (A2)	Stripped Matrix (S6)			luck (A10) (LRR B)
_ Black Histic (A3)	Loamy Mucky Mineral (F1)			ed Vertic (F18)
_ Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)			arent Material (TF2)
_ Stratified Layers (A5) (LRR C) _ 1 cm Muck (A9) (LRR D)	Depleted Matrix (F3)		Other	(Explain in Remarks)
_ Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)			
Thick Dark Surface (A12)	Depleted Dark Surface (F7) Redox Depressions (F8)		3indiantera	
_ Sandy Mucky Mineral (S1)	Vernal Pools (F9)			of hydrophytic vegetation and
				hydrology must be present, isturbed or problematic.
Sandy Gleved Matrix (S4)			uniess u	istuibed of problematic.
Sandy Gleyed Matrix (S4)		- T		
estrictive Layer (if present):	in the state	25		REAL CLARENCE AND A PRACTICE AND A P
strictive Layer (if present): Type: Depth (inches):		S; .H	łydric Soii	AAALAFY行动的AAL 的100
estrictive Layer (if present): Type: Depth (inches): emarks:	AFT N S	S; .H	łydric Soli	AND
estrictive Layer (if present): Type: Depth (inches): emarks:	AFT N S	S; .H	łydric Soli	AND
strictive Layer (if present): Type: Depth (inches): marks: OM DROLOGY	AFT N S	S; .H	łydric Soli	AND
Petrictive Layer (if present): Type: Depth (inches): Pemarks: DROLOGY Petland Hydrology Indicators:	- N TW.	S; .H		AND
Petrictive Layer (if present): Type: Depth (inches): Pemarks: DROLOGY Petland Hydrology Indicators:	- N TW.	S; .H	<u>Secon</u>	Present? Yes No
	check all that apply)	S; .H	<u>Secon</u>	Present? Yes No No dary Indicators (2 or more required) vater Marks (B1) (Riverine)
	check all that apply) Salt Crust (B11) Biotic Crust (B12)	S; .H	<u>Secon</u> W W S	Present? Yes No No //
	check all that apply) Salt Crust (B11)	S; .H	<u>Secon</u> W Si D	Present? Yes No dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	4	<u>Secon</u> 	Present? Yes No dary Indicators (2 or more required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv	4	<u>Secon</u> W Su Di Di Di C3) Di	Present? Yes No dary Indicators (2 or more required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2)
estrictive Layer (if present): Type: Depth (inches): emarks: PROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4)	ving Roots (4	<u>Secon</u> W Su Di Di C3) Di Ci	Present? Yes No dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8)
	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lix Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	ving Roots (4	<u>Secon</u> W Se Di Di Di C3)Di Ci Se	Present? Yes No dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C
	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lix Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)	ving Roots (4	<u>Secon</u> 	Present? Yes No dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C nallow Aquitard (D3)
estrictive Layer (if present): Type: Depth (inches): emarks: emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lix Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	ving Roots (4	<u>Secon</u> 	Present? Yes No dary Indicators (2 or more required) ater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C
	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lix Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)	ving Roots (4	<u>Secon</u> 	Present? Yes No dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C nallow Aquitard (D3)
estrictive Layer (if present): Type: Depth (inches): emarks:	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lix Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)	ving Roots (4	<u>Secon</u> 	Present? Yes No dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C nallow Aquitard (D3)
astrictive Layer (if present): Type: Depth (inches): bemarks: astrictive Layer (if present): Depth (inches): bemarks: astrictive Layer (if present): Depth (inches): bemarks: astrictive Layer (if present): bemarks: aster Table (A2) beta Saturation (A3) beta Water Marks (B1) (Nonriverine) beta Battration (A3) beta Water Marks (B1) (Nonriverine) beta Battration (B3) (Nonriverine) beta Battration Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) aster Table Present? Yes No turation Present? Yes No turation Present? Yes No	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lix Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)	ving Roots (<u>Secon</u> 	Present? Yes No dary Indicators (2 or more required) vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C hallow Aquitard (D3) AC-Neutral Test (D5)
estrictive Layer (if present): Type: Depth (inches): emarks:	check all that apply)	ving Roots (Soils (C6)	<u>Secon</u> W Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Secon Di Di Secon Di Secon Di Secon Di Secon Di Secon Di Secon Di Secon Di Secon Di Secon Di Secon Secon Di Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Sec	Present? Yes No dary Indicators (2 or more required) vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C hallow Aquitard (D3) AC-Neutral Test (D5)
estrictive Layer (if present): Type: Depth (inches): emarks:	check all that apply)	ving Roots (Soils (C6)	<u>Secon</u> W Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Di Secon Di Di Secon Di Secon Di Secon Di Secon Di Secon Di Secon Di Secon Di Secon Di Secon Di Secon Secon Di Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Secon Sec	Present? Yes No dary Indicators (2 or more required) vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C hallow Aquitard (D3) AC-Neutral Test (D5)

Project/Site: STEVEN'S CREEK QUARRY	City/County: CUPERTINO	Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	State: CA	Sampling Point: 9A
Investigator(s): A. VAN ZUUK, M. TEUEBLOOD	_ Section, Township, Range:00	1 118 MY 01 "EI-0 .
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):	Slope (%):
Subregion (LRR): Lat:	Long:	Datum:
Soil Map Unit Name:	NWI cla	ssification:
Are climatic / hydrologic conditions on the site typical for this time of g	year? Yes 🔨 No (If no, explair	n in Remarks.)
Are Vegetation, Soil, or Hydrology significant	tly disturbed? Are "Normal Circumstand	ces" present? Yes 📈 No
Are Vegetation, Soil, or Hydrology naturally p	problematic? (If needed, explain any a	nswers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	ng sampling point locations, trans	ects, important features, etc.
Hydrophytic Vegetation Present? Yes No	In the Semular Area	

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes		Is the Sampled Area within a Wetland?	Yes	No	
Remarks:		Upland data	point	111		

	Absolute	Dominant Ind		Dominance Test worksheet:	1.15
Tree Stratum (Plot size:)		Species? St		Number of Dominant Species	
1. UMBELLULARIA CALIFORNICA	95	<u> Y </u> <u> </u>	AL	That Are OBL, FACW, or FAC:	(A)
2				Total Number of Dominant	
3				Species Across All Strata: 2	(B)
4			_	Descent of Deminent Canadian	a na da se
	95	= 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 by:	
3				OBL species x 1 =0	Sec.
4				FACW species x 2 =	
5.				FAC species 100 x 3 = 300	1 2
		= Total Cover		FACU species 0 x 4 = 0	1
Herb Stratum (Plot size:)		, - 10 kur 00 te.		UPL species 60 x 5 = 300	1 - C
1. MELICA TORREYANA	60	Y c	PL		— (B)
2. RUBUS URSINUS	5	NE	AL		_ (5)
3.		and the second se	31-2-	Prevalence Index = B/A = 3.75	
4				Hydrophytic Vegetation Indicators:	-
5			0.00	Dominance Test is >50%	
				Prevalence Index is ≤3.0 ¹	
6				Morphological Adaptations ¹ (Provide suppor	tina
7				data in Remarks or on a separate sheet)	
8				Problematic Hydrophytic Vegetation ¹ (Explai	in)
Woody Vine Stratum (Plot size:	65	= Total Cover			·
				¹ Indicators of hydric soil and wetland hydrology n	nust
1				be present, unless disturbed or problematic.	
2				I hadron hadro	
		= Total Cover		Hydrophytic Vegetation	
% Bare Ground in Herb Stratum % Cover	r of Biotic Cr	rust	_	Present? Yes No V	
Remarks:				I	

Sampling Point: 9A

Profile Description: (Describe to the de	To F A STORE STOLEN AND A STOLEN		or confirm the at	osence of l	indicators.)	
Depth <u>Matrix</u> (inches) Color (moist) %	Color (moist)	Features % Type ¹	Loc ² Tex	ture	Remarks	
			the second second	24/2012/07/07/07		11.0
0-13" 1078 3/1 100			Cr. t. t. t.	inter at	Sandy Lonm	
						1
<u> </u>	w.d.	<u> </u>				
¹ Type: C=Concentration, D=Depletion,, RM Hydric Soil Indicators: (Applicable to all					on: PL=Pore Lining, M=Matri Problematic Hydric Solis ³ :	
Histosol (A1)	Sandy Redox		2		(A9) (LRR C)	
Histic Epipedon (A2)	Stripped Matri		×		(A10) (LRR B)	
Black Histic (A3)	Loamy Mucky		114		/ertic (F18)	
Hydrogen Sulfide (A4)	Loamy Gleyed				nt Material (TF2)	
Stratified Layers (A5) (LRR C)	Depleted Matr		Maning (J		plain in Remarks)	
1 cm Muck (A9) (LRR D)	Redox Dark S				,	
Depleted Below Dark Surface (A11)	Depleted Dark					
Thick Dark Surface (A12)	Redox Depres		³ Ind	licators of h	ydrophytic vegetation and	
Sandy Mucky Mineral (S1)	Vernal Pools (rology must be present,	
Sandy Gleyed Matrix (S4)	20				rbed or problematic.	
Restrictive Layer (if present):	5.15	Q	ä.	to too too	NAMES OF TAXABLE POLICE	ante a
Туре:					ACTUAL ACALCURE	
· // · · ·						1
Depth (inches):			Hydr	ric Soil Pre	sent? Yes No	1
Depth (inches): Remarks:		i.		ric Soll Pre	sent? Yes <u>No</u> No	<u>/</u>
Remarks:				ric Soil Pre	osent? Yes <u>No</u> No	<u> </u>
Remarks:				ric Soil Pre	osent? Yes <u>No</u> No	<u> </u>
Remarks: IYDROLOGY Wetland Hydrology Indicators:	d: check all that apply)			4		red)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require	and the second se			Secondar	y Indicators (2 or more requi	red)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	Salt Crust (B	11)		Secondar Wate	y Indicators (2 or more requi r Marks (B1) (Riverine)	
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2)	Salt Crust (B Biotic Crust (11) B12)		Secondar Wate Sedin	<u>y Indicators (2 or more requi</u> r Marks (B1) (Riverine) nent Deposits (B2) (Riverine)	
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	Salt Crust (B Biotic Crust (Aquatic Inver	11) B12) tebrates (B13)		Secondar Wate Sedin Drift [y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine)	
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su	11) B12) tebrates (B13) Ifide Odor (C1)		Secondar Wate Sedir Drift I Drain	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10)	e)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi:	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L	iving Roots (C3)	Secondar Wate Sedir Drift I Drain Dry-S	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2)	e)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of I	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4)	iving Roots (C3)	Secondar Wate Sedir Drift I Drain Dry-S Crayf	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8)	2) 1974 1975 1975 1975
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi Presence of i Recent Iron F	11) B12) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled	iving Roots (C3)	Secondar Wate Sedir Drift I Drain Dry-S Crayf Satur	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Image	2) 1974 1975 1975 1975
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi Presence of I Recent Iron F	11) B12) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled	iving Roots (C3)	Secondar Wate Sedin Drift I Drain Dry-S Crayf Satur Shalk	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ration Visible on Aerial Image ow Aquitard (D3)	2) 1974 1975 1975 1975
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	Salt Crust (B Solution Crust (Solution Crust (Aquatic Inver Hydrogen Su Coxidized Rhi Presence of I Recent Iron F Thin Muck Su	11) B12) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled	iving Roots (C3)	Secondar Wate Sedin Drift I Drain Dry-S Crayf Satur Shalk	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Image	2) 1974 1975 1975 1975
Remarks: WDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9)	Salt Crust (B Solution Crust (Solution Crust (Aquatic Inver Hydrogen Su Coxidized Rhi Presence of I Recent Iron F Thin Muck Su	11) B12) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7)	iving Roots (C3)	Secondar Wate Sedin Drift I Drain Dry-S Crayf Satur Shalk	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ration Visible on Aerial Image ow Aquitard (D3)	2) 1974 1975 1975 1975
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Field Observations:	 Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of I Recent Iron F Thin Muck Su Other (Explain 	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) ps):	iving Roots (C3) Soils (C6)	Secondar Wate Sedin Drift I Drain Dry-S Crayf Satur Shalk	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ration Visible on Aerial Image ow Aquitard (D3)	2) 1974 1975 1975 1975
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of I Recent Iron F Thin Muck Su Other (Explain	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) ps):	iving Roots (C3) Soils (C6)	Secondar Wate Sedin Drift I Drain Dry-S Crayf Satur Shalk	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ration Visible on Aerial Image ow Aquitard (D3)	2) 1974 1975 1975 1975
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required	 Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of i Recent Iron F 7) Thin Muck Su Other (Explain No Depth (incher No Depth (incher 	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es):	iving Roots (C3) Soils (C6)	Secondar Wate Sedir Drift I Drain Dry-S Crayf Satur Shalk FAC-	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ration Visible on Aerial Image ow Aquitard (D3)	2) 1974 1975 1975 1975
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required	 Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of i Recent Iron F 7) Thin Muck Su Other (Explain No Depth (incher No Depth (incher 	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es):	iving Roots (C3) Soils (C6)	Secondar Wate Sedir Drift I Drain Dry-S Crayf Satur Shalk FAC-	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Image ow Aquitard (D3) Neutral Test (D5)	9) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required	 Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of i Recent Iron F 7) Thin Muck Su Other (Explain No Depth (incher No Depth (incher 	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es):	iving Roots (C3) Soils (C6)	Secondar Wate Sedir Drift I Drain Dry-S Crayf Satur Shalk FAC-	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Image ow Aquitard (D3) Neutral Test (D5)	2) 1974 1975 1975 1975
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require	 Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of i Recent Iron F 7) Thin Muck Su Other (Explain No Depth (incher No Depth (incher 	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es):	iving Roots (C3) Soils (C6)	Secondar Wate Sedir Drift I Drain Dry-S Crayf Satur Shalk FAC-	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Image ow Aquitard (D3) Neutral Test (D5)	9) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Saturation Present? Yes Describe Recorded Data (stream gauge, model)	 Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of i Recent Iron F 7) Thin Muck Su Other (Explain No Depth (incher No Depth (incher 	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es):	iving Roots (C3) Soils (C6)	Secondar Wate Sedir Drift I Drain Dry-S Crayf Satur Satur Shalk FAC-	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Image ow Aquitard (D3) Neutral Test (D5)	9) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Saturation Present? Yes Describe Recorded Data (stream gauge, model)	 Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of i Recent Iron F 7) Thin Muck Su Other (Explain No Depth (incher No Depth (incher 	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es):	iving Roots (C3) Soils (C6)	Secondar Wate Sedir Drift I Drain Dry-S Crayf Satur Satur Shalk FAC-	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Image ow Aquitard (D3) Neutral Test (D5)	a)
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Saturation Present? Yes Describe Recorded Data (stream gauge, model)	 Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of i Recent Iron F 7) Thin Muck Su Other (Explain No Depth (incher No Depth (incher 	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es):	iving Roots (C3) Soils (C6)	Secondar Wate Sedir Drift I Drain Dry-S Crayf Satur Satur Shalk FAC-	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Image ow Aquitard (D3) Neutral Test (D5)	a) 法不可 《《张
Remarks: IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Saturation Present? Yes Describe Recorded Data (stream gauge, model)	 Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi: Presence of i Recent Iron F 7) Thin Muck Su Other (Explain No Depth (incher No Depth (incher 	11) B12) tebrates (B13) Ifide Odor (C1) zospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es):	iving Roots (C3) Soils (C6)	Secondar Wate Sedir Drift I Drain Dry-S Crayf Satur Satur Shalk FAC-	y Indicators (2 or more requi r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Image ow Aquitard (D3) Neutral Test (D5)	a) 法不可 《《张

Project/Site: STEVEN'S LREEK QUARRY	City/County: CUPERTINO			_ Sampling Date: _	0/13/2017
Applicant/Owner: MITCHELL CHADWICK LLC	100				
Investigator(s): A.VAN ZUUK, M. TRUE BLOOD	Section, Township, Range: _		363		" Send
Landform (hillslope, terrace, etc.):	Local relief (concave, conve	x, none):		Slop	e (%):
Subregion (LRR): Lat:	Long	g:		Datum	ו:
Soil Map Unit Name:		N\	WI classif	ication:	
Are climatic / hydrologic conditions on the site typical for this time of ye					/
Are Vegetation, Soil, or Hydrology significantly	/ disturbed? Are "Norma	al Circurr	nstances"	present? Yes	No
Are Vegetation, Soil, or Hydrology naturally pr	oblematic? (If needed,	explain a	any answ	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locati	ons, tr	ansect	s, important fea	itures, etc.

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

	Absolute		t Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:) 1. UMBELLULAZIA CALI FORNICA	<u>% Cover</u>	Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 2	(A)
2 3				Total Number of Dominant Species Across All Strata: <u>2</u>	_ (B)
4	20	= Total Co	over	Percent of Dominant Species That Are OBL, FACW, or FAC: 100	_ (A/B)
1				Prevalence Index worksheet:	
2				Total % Cover of: Multiply by:	
3				OBL species x 1 =	
4				FACW species x 2 =	
5				FAC species x 3 =	
Herb Stratum (Plot size:)		= Total Co	over	FACU species x 4 =	
1. NASTURTIUM OFFICINALE	55	Y	OBL	UPL species x 5 =	
2. POLYPOGON MONSPELIENSIS			FACW	Column Totals: (A)	(B)
3. PERSICARIA LAPATHIFOLIA	2	N	FALW	Prevalence Index = B/A =	
4				Hydrephytic Vegetation Indicators:	
5				✓ Dominance Test is >50%	
6				Prevalence Index is ≤3.0 ¹	
7				Morphological Adaptations ¹ (Provide suppo	
8	- 111 - 342	91		data in Remarks or on a separate sheet	,
	64	= Total Co	over	Problematic Hydrophytic Vegetation ¹ (Expla	iin)
Woody Vine Stratum (Plot size:)					
1	_			¹ Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic.	must
2				be present, unless distarbed of problemate.	
% Bare Ground in Herb Stratum 36 % Cover	r of Biotic Cr			Hydrophytic Vegetation Present? Yes No No	
Remarks:					
				ŧ.	
245					

Sampling Point: 10

Profile Dese Depth	Matrix		Redo	x Feature	S		Ch4698395	No (New Transpiller E.	
(inches)	Color (moist)	%	Color (moist)	_%	Type ¹	Loc ²	Texture	PHEN LODGE	Remarks
0-6"	2.5Y 3/3				_		SAND	COARSE SA	NO, COBBLES
				<u>.</u>					
Type: C=C	oncentration, D=De	pletion, RM=Re	duced Matrix, CS	=Covered	d or Coate	d Sand Gr	ains. ² Lo	cation: PL=Por	e Lining, M=Matrix.
Hydric Soll	Indicators: (Applie	cable to all LR	Rs, unless other	wise not	ed.)		Indicators	for Problemat	lic Hydric Solls ³ :
Histosol			Sandy Redo	ox (S5)				Muck (A9) (LRR	
	pipedon (A2)		Stripped Ma					Muck (A10) (LR	
	istic (A3)		Loamy Muc					ced Vertic (F18)	
	en Sulfide (A4)	•	Loamy Gley		(⊦2)			Parent Material ('
	d Layers (A5) (LRR Jck (A9) (LRR D)	C)	Depleted Ma Redox Dark	. ,			Other	(Explain in Ren	narks)
	d Below Dark Surfac	ce (Δ11)	Depleted Da		· · ·				
	ark Surface (A12)		Redox Depr		• •		³ Indicators	of hydrophytic	vegetation and
	Aucky Mineral (S1)		Vernal Pool		-,			hydrology must	-
_	Bleyed Matrix (S4)							listurbed or prol	
Restrictive	Layer (if present):		-22			10	.8.1		Allen in Constant
Type: 2	VER ROLL COBB	LE							/
Depth (in	ches): 6*		1 n T 1				Hydric Soi	Present? Y	es No
Depth (in Remarks:	ches): <u>6**</u>	41 H			k	5	Hydric Soil	l Present? Y	es <u>No</u> No
Remarks:	581				k	Ξ.	Hydric Soil	I Present? Y	es <u>No</u> <u>No</u>
Remarks: YDROLO	581						Hydric Soil	I Present? Y	es No
Remarks: YDROLO Wetland Hyd	GY)		Š.			
Remarks: YDROLO Wetland Hyd	GY drology Indicators cators (minimum of c						Seco	ndary Indicators	: (2 or more required)
Remarks: YDROLO Wetland Hyd Primary Indic Surface	GY drology Indicators cators (minimum of c Water (A1)		Salt Crust	(B11)			<u>Seco</u>	ndary Indicators Vater Marks (B1	: (2 or more required)) (Riverine)
Primarks: YDROLO Wetland Hyd Primary India ✓ Surface — High Wa	GY drology Indicators: cators (minimum of c Water (A1) tter Table (A2)		Salt Crust	(B11) t (B12)	s (B13)		<u>Seco</u> V S	ndary Indicators Vater Marks (B1 Sediment Depos	: (2 or more required)) (Riverine) its (B2) (Riverine)
Primarks: YDROLO Wetland Hyu Primary India Surface High Wa Saturatio	GY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3)	: one required; cl	Salt Crust Biotic Crus Aquatic Inv	(B11) t (B12) rertebrates		άr 	<u>Seco</u> V S	ndary Indicators Vater Marks (B1 Sediment Depos Drift Deposits (B	(2 or more required) (Riverine) (Riverine) (B2) (Riverine) 3) (Riverine)
Primarks: YDROLO Wetland Hyd Primary India Saurface High Wa Saturatio Water M	GY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver	: one required; cl	Salt Crust Biotic Crus Aquatic Inv Hydrogen S	(B11) t (B12) rertebrate: Sulfide Oc	lor (C1)		<u>Seco</u> V S C C	ndary Indicators Vater Marks (B1 Sediment Depos Drift Deposits (B Drainage Patterr	(2 or more required) (Riverine) (Riverine) (B2) (Riverine) 3) (Riverine) (B10)
Primarks: YDROLO Wetland Hyd Primary Indic Variance High Wa Saturatio Water M Sedimer	GY drology Indicators cators (minimum of o Water (A1) uter Table (A2) on (A3) larks (B1) (Nonriver tt Deposits (B2) (No	: one required; cl rine) nriverine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen S Oxidized R	(B11) t (B12) rertebrates Sulfide Oo hizospher	lor (C1) res along	5 E	<u>Seco</u> V S C C ts (C3) C	ndary Indicators Vater Marks (B1 Sediment Depos Drift Deposits (B Drainage Patterr Dry-Season Wat	(2 or more required) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (B10) er Table (C2)
Primarks: YDROLO Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep	GY drology Indicators cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriven at Deposits (B2) (No posits (B3) (Nonrive	: one required; cl rine) nriverine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence o	(B11) t (B12) rertebrates Sulfide Oo hizospher f Reduce	lor (C1) res along d Iron (C4)	<u>Seco</u> V S C ts (C3) C	ndary Indicators Vater Marks (B1 Sediment Depos Drift Deposits (B Drainage Patterr Dry-Season Wat Crayfish Burrows	(2 or more required) (Riverine) its (B2) (Riverine) 3) (Riverine) 15 (B10) er Table (C2) 5 (C8)
Remarks: YDROLO Wetland Hyd Primary India Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Surface	GY drology Indicators: cators (minimum of c water (A1) ter Table (A2) on (A3) larks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6)	: one required; cl rine) nriverine) rine)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen 3 Oxidized R Presence c Recent Iron	(B11) t (B12) rertebrates Sulfide Oo hizospher f Reduce n Reductio	lor (C1) res along d Iron (C4 on in Tilleo)	<u>Seco</u> V S C C ts (C3) C C	ndary Indicators Vater Marks (B1 Sediment Depos Drift Deposits (B Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl	: (2 or more required)) (Riverine) its (B2) (Riverine) 3) (Riverine) is (B10) er Table (C2) s (C8) e on Aerial Imagery (C
Primarks: YDROLO Wetland Hyd Primary Indic Varianal Market High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio	GY drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial	: one required; cl rine) nriverine) rine)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Thin Muck	(B11) t (B12) rertebrates Sulfide Oo hizospher of Reduce n Reductio Surface (f	dor (C1) res along d Iron (C4 on in Tilleo C7))	<u>Seco</u> V S C C ts (C3) C C) S	ndary Indicators Vater Marks (B1 Sediment Depos Drift Deposits (B Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Shallow Aquitard	(2 or more required) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (C2) (C3)
Primarks: YDROLO Wetland Hyd Primary Indic Varianal Market High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio	GY drology Indicators: cators (minimum of e Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver th Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9)	: one required; cl rine) nriverine) rine)	Salt Crust (Biotic Crus Aquatic Inv Hydrogen 3 Oxidized R Presence c Recent Iron	(B11) t (B12) rertebrates Sulfide Oo hizospher of Reduce n Reductio Surface (f	dor (C1) res along d Iron (C4 on in Tilleo C7))	<u>Seco</u> V S C C ts (C3) C C) S	ndary Indicators Vater Marks (B1 Sediment Depos Drift Deposits (B Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl	(2 or more required) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (C2) (C3)
Primarks: YDROLO Wetland Hyu Primary India V Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio Water-S Field Obser	GY drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver at Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations:	ine) prine) priverine) rine) lmagery (B7)	Salt Crust Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iron Thin Muck Other (Exp	(B11) t (B12) ertebrates Sulfide Oo hizospher of Reduce n Reductio Surface (lain in Red	dor (C1) res along d Iron (C4 on in Tilled C7) marks))	<u>Seco</u> V S C C ts (C3) C C) S	ndary Indicators Vater Marks (B1 Sediment Depos Drift Deposits (B Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Shallow Aquitard	(2 or more required) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (C2) (C3)
Primarks: YDROLO Wetland Hyd Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio Water-S Field Observer	GY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) darks (B1) (Nonriver th Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present?	ine) inriverine) rine) Imagery (B7)	Salt Crust Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iron Thin Muck Other (Exp Depth (inc	(B11) t (B12) rertebrates Sulfide Oo hizospher of Reduce n Reductio Surface ((lain in Rei thes):	dor (C1) res along d Iron (C4 on in Tilleo C7))	<u>Seco</u> V S C C ts (C3) C C) S	ndary Indicators Vater Marks (B1 Sediment Depos Drift Deposits (B Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Shallow Aquitard	(2 or more required) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (C2) (C3)
Remarks: YDROLO Wetland Hyd Primary Indic Varianary Indic Surface High Wa Saturatio Water M Sedimer Drift Dep Surface Inundatio Water-S Field Obser Surface Water Vater Table	GY drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) tarks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Y	rine) mriverine) rine) lmagery (B7) /es No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iron Thin Muck Other (Exp Depth (inc Depth (inc	(B11) t (B12) ertebrates Sulfide Oo hizospher of Reduce n Reductio Surface ((lain in Rei thes):	dor (C1) res along d Iron (C4 on in Tilled C7) marks)) d Soils (C6	<u>Seco</u> V S C C ts (C3) C C) S F	ndary Indicators Vater Marks (B1 Sediment Depos Orift Deposits (B Drainage Patterr Ory-Season Wat Crayfish Burrows Saturation Visibli Shallow Aquitard GAC-Neutral Tes	e (2 or more required)) (Riverine) its (B2) (Riverine) 3) (Riverine) is (B10) er Table (C2) s (C8) e on Aerial Imagery (C 1 (D3) ot (D5)
Primarks: YDROLO Wetland Hyd Primary India Varian Ma Surface High Wa Saturation Drift Dep Surface Inundation Water-S Field Obsern Surface Water Nater Table Saturation Printices Saturation Printices Satur	GY drology Indicators: eators (minimum of e Water (A1) tter Table (A2) on (A3) larks (B1) (Nonriver th Deposits (B2) (Non cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Yresent? Yresent?	ine) inriverine) rine) Imagery (B7)	Salt Crust Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iron Thin Muck Other (Exp Depth (inc	(B11) t (B12) ertebrates Sulfide Oo hizospher of Reduce n Reductio Surface ((lain in Rei thes):	dor (C1) res along d Iron (C4 on in Tilled C7) marks)) d Soils (C6	<u>Seco</u> V S C C ts (C3) C C) S	ndary Indicators Vater Marks (B1 Sediment Depos Orift Deposits (B Drainage Patterr Ory-Season Wat Crayfish Burrows Saturation Visibli Shallow Aquitard GAC-Neutral Tes	(2 or more required) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (Riverine) (C2) (C3)
Remarks: YDROLO Wetland Hyu Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatid Water-S Field Obsern Surface Water Surface W	GY drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) tarks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Y	rine) priverine) rine) lmagery (B7) lmagery (B7) lmagery (B7) lmagery No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iron Thin Muck Other (Exp Depth (inc Depth (inc Depth (inc	(B11) t (B12) rertebrates Sulfide Oo hizospher of Reduce n Reductio Surface ((lain in Rei thes): thes):	dor (C1) res along d Iron (C4 on in Tilleo C7) marks)) d Soils (C6	<u>Seco</u> V S C C C C C C C S F	ndary Indicators Vater Marks (B1 Sediment Depos Orift Deposits (B Drainage Patterr Ory-Season Wat Crayfish Burrows Saturation Visibli Shallow Aquitard (AC-Neutral Tes	e (2 or more required)) (Riverine) its (B2) (Riverine) 3) (Riverine) is (B10) er Table (C2) s (C8) e on Aerial Imagery (C 1 (D3) ot (D5)
Remarks: YDROLO Wetland Hyu Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatid Water-S Field Obsern Surface Water Surface W	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver nt Deposits (B2) (Non cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent?	rine) priverine) rine) lmagery (B7) lmagery (B7) lmagery (B7) lmagery No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iron Thin Muck Other (Exp Depth (inc Depth (inc Depth (inc	(B11) t (B12) rertebrates Sulfide Oo hizospher of Reduce n Reductio Surface ((lain in Rei thes): thes):	dor (C1) res along d Iron (C4 on in Tilleo C7) marks)) d Soils (C6	<u>Seco</u> V S C C C C C C C S F	ndary Indicators Vater Marks (B1 Sediment Depos Orift Deposits (B Drainage Patterr Ory-Season Wat Crayfish Burrows Saturation Visibli Shallow Aquitard (AC-Neutral Tes	e (2 or more required)) (Riverine) its (B2) (Riverine) 3) (Riverine) is (B10) er Table (C2) s (C8) e on Aerial Imagery (C 1 (D3) ot (D5)
Primarks: YDROLO Wetland Hyu Primary Indic ✓ Surface — High Wa Saturatio — Saturation — Drift Dep — Inundation — Surface — Inundation — Surface Water Surface Water Surface Water Saturation Princludes cap Describe Records	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver nt Deposits (B2) (Non cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent?	rine) priverine) rine) lmagery (B7) lmagery (B7) lmagery (B7) lmagery No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iron Thin Muck Other (Exp Depth (inc Depth (inc Depth (inc	(B11) t (B12) rertebrates Sulfide Oo hizospher of Reduce n Reductio Surface ((lain in Rei thes): thes):	dor (C1) res along d Iron (C4 on in Tilleo C7) marks)) d Soils (C6	<u>Seco</u> V S C C C C C C C S F	ndary Indicators Vater Marks (B1 Sediment Depos Orift Deposits (B Drainage Patterr Ory-Season Wat Crayfish Burrows Saturation Visibli Shallow Aquitard (AC-Neutral Tes	e (2 or more required)) (Riverine) its (B2) (Riverine) 3) (Riverine) is (B10) er Table (C2) s (C8) e on Aerial Imagery (C 1 (D3) ot (D5)
Primarks: YDROLO Wetland Hyu Primary Indic ✓ Surface — High Wa Saturatio — Saturation — Drift Dep — Inundation — Surface — Inundation — Surface Water Surface Water Surface Water Saturation Princludes cap Describe Records	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver nt Deposits (B2) (Non cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent?	rine) priverine) rine) lmagery (B7) lmagery (B7) lmagery (B7) lmagery No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iron Thin Muck Other (Exp Depth (inc Depth (inc Depth (inc	(B11) t (B12) rertebrates Sulfide Oo hizospher of Reduce n Reductio Surface ((lain in Rei thes): thes):	dor (C1) res along d Iron (C4 on in Tilleo C7) marks)) d Soils (C6	<u>Seco</u> V S C C C C C C C S F	ndary Indicators Vater Marks (B1 Sediment Depos Orift Deposits (B Drainage Patterr Ory-Season Wat Crayfish Burrows Saturation Visibli Shallow Aquitard (AC-Neutral Tes	e (2 or more required)) (Riverine) its (B2) (Riverine) 3) (Riverine) is (B10) er Table (C2) s (C8) e on Aerial Imagery (C 1 (D3) ot (D5)
Primarks: YDROLO Wetland Hyu Primary Indic ✓ Surface — High Wa Saturatio — Saturation — Drift Dep — Inundation — Surface — Inundation — Surface Water Surface Water Surface Water Saturation Princludes cap Describe Records	GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriver nt Deposits (B2) (Non cosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial tained Leaves (B9) vations: er Present? Present? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent? Yresent?	rine) priverine) rine) lmagery (B7) lmagery (B7) lmagery (B7) lmagery No	Salt Crust (Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iron Thin Muck Other (Exp Depth (inc Depth (inc Depth (inc	(B11) t (B12) rertebrates Sulfide Oo hizospher of Reduce n Reductio Surface ((lain in Rei thes): thes):	dor (C1) res along d Iron (C4 on in Tilleo C7) marks)) d Soils (C6	<u>Seco</u> V S C C C C C C C S F	ndary Indicators Vater Marks (B1 Sediment Depos Orift Deposits (B Drainage Patterr Ory-Season Wat Crayfish Burrows Saturation Visibli Shallow Aquitard (AC-Neutral Tes	e (2 or more required)) (Riverine) its (B2) (Riverine) 3) (Riverine) is (B10) er Table (C2) s (C8) e on Aerial Imagery (C 1 (D3) ot (D5)

Project/Site: STEVEN'S CREEK	QUARRY	City/County: CUPERTINO	Sampling [Date: 10/13/2017
Applicant/Owner: MITCHELL CHA	DWICK LLC	State	e: <u>CA</u> Sampling F	Point: IOA
Investigator(s): A. VAN ZUUK, M.	TEVEBLOOD	Section, Township, Range:		131 15.03
Landform (hillslope, terrace, etc.):		_ Local relief (concave, convex, non	1e):	_ Slope (%):
Subregion (LRR):	Lat:	Long:	24	Datum:
Soil Map Unit Name:			NWI classification:	
Are climatic / hydrologic conditions on the	e site typical for this time of y	ear? Yes 🗾 No (If no	o, explain in Remarks.)	- /
Are Vegetation, Soil, or H	ydrology significantl	y disturbed? Are "Normal Circ	cumstances" present? Ye	əs 🗾 No
Are Vegetation, Soil, or H	ydrology naturally p	roblematic? (If needed, expla	ain any answers in Remark	ks.)
SUMMARY OF FINDINGS - At	ach site map showin	g sampling point locations,	, transects, importa	nt features, etc.
Hydrophytic Vegetation Present?	Yes No	Is the Sampled Area		
Hydric Soil Present?	Yes No	within a Wetland?	Yes No	\checkmark
Wetland Hydrology Present?	Yes No	within a wettand i		
Remarks: UPLAND DATA POINT	1 M I		1. 1.	

	Absolute		nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:) 1)	% Cover			Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2 3				Total Number of Dominant Species Across All Strata:(B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
	-			FACU species x 4 =
Herb Stratum (Plot size:)		- Total C	0401	UPL species x 5 =
1. ERIGERON CANADENSIS	12	Y	FACU	Column Totals: (A) (B)
2. BROMUS MADRITENSIS			UPL	
3				Prevalence Index = B/A =
4				Hydrophytic Vegetation Indicators:
5				Dominance Test is >50%
				Prevalence Index is ≤3.0 ¹
6 7				 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
Mandulling Stratum (Distaires)	15	= Total C	over	
Woody Vine Stratum (Plot size:)				¹ Indicators of hydric soil and wetland hydrology must
1				be present, unless disturbed or problematic.
2	. <u></u>			Hydrophytic Vegetation
% Bare Ground in Herb Stratum 85 % Cover	r of Biotic Cr	rust		Present? Yes No
Remarks:				J

Sampling Point: 10A

Dooth	Moteix	Poder	Features			n the absence o		
Depth (inches) Color (r	Matrix moist) %	Color (moist)		Type ¹	Loc ²	Texture	Remark	s
0-9" 1042 3							LARGE COBBLES	GRAVEL
				_				
							8	
	a		<u>k</u>					
V								
Type: C=Concentration lydric Soil Indicators:					d Sand G		tion: PL=Pore Lining or Problematic Hydr	
	(Applicable to all			u.,				ic solis .
Histosol (A1)		Sandy Redo					Ick (A9) (LRR C)	
Histic Epipedon (A2) Black Histic (A3))	Stripped Ma		(E4)		A 1.0	uck (A10) (LRR B) d Ventic (F18)	
	4)	Loamy Mucl	-	• •				
Hydrogen Sulfide (A Stratified Lavors (A6		Loamy Gley		FZ)			rent Material (TF2)	A
Stratified Layers (A5 1 cm Muck (A9) (LR		Depleted Ma Redox Dark	. ,	(6)			Explain in Remarks)	
Depleted Below Dar		Depleted Da	•					
Thick Dark Surface		Redox Depr		. ,		³ Indicators o	f hydrophytic vegetati	ion and
Sandy Mucky Miner		Vernal Pools		5)			ydrology must be pres	
Sandy Gleyed Matrix			5 (1 3)				turbed or problematic	
Restrictive Layer (if pre								
Type:								1
Depth (inches):	·					Hydric Soil F	resent? Yes	No
Remarks:		_						
			_		-11			3. Huite
	lcators:	п			-			
Wetland Hydrology Ind		· check all that apply	0			Second	any Indicators (2 or m	
Wetland Hydrology Ind Primary Indicators (minin							ary Indicators (2 or m	
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1)	num of one required	Salt Crust (B11)				ter Marks (B1) (River	rine)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A	num of one required	Salt Crust (Biotic Crus	B11) t (B12)			Wa Se	iter Marks (B1) (River diment Deposits (B2)	rine) (Riverine)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3)	num of one required 2)	Salt Crust (Biotic Crus Aquatic Inv	B11) t (B12) ertebrates		1	Wa Se Dri	tter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive	rine) (Riverine) orine)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N	num of one required 2) Ionriverine)	Salt Crust (Biotic Crust Aquatic Inv Hydrogen S	B11) t (B12) ertebrates Sulfide Odd	or (C1)		Wa Seu Dri Dra	tter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10)	rine) (Riverine) prine)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3)	num of one required 2) Ionriverine)	Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R	B11) t (B12) ertebrates Sulfide Odo hizosphere	or (C1) es along		Wa Se Dri Dra ots (C3) Dry	ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) <i>r-</i> Season Water Table	rine) (Riverine) prine)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N	num of one required 2) Ionriverine) (B2) (Nonriverine)	Salt Crust (Biotic Crust Aquatic Inv Hydrogen S	B11) t (B12) ertebrates Sulfide Odo hizosphere	or (C1) es along		Wa Se Dri Dra ots (C3) Dry	tter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10)	rine) (Riverine) prine)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (num of one required 2) Ionriverine) (B2) (Nonriverine) Nonriverine)	Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced	or (C1) es along Iron (C4)	لي الله الله الله الله الله الله الله ال	ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) <i>r-</i> Season Water Table	rine) (Riverine) prine) e (C2)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (B3) (I	num of one required 2) Ionriverine) (B2) (Nonriverine) Nonriverine) (B6)	Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reductior	or (C1) es along Iron (C4 n in Tilleo)		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) r-Season Water Table ayfish Burrows (C8)	rine) (Riverine) prine) a (C2)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (Drift Deposits (B3) (I Surface Soil Cracks	num of one required 2) Ionriverine) (B2) (Nonriverine) Nonriverine) (B6) n Aerial Imagery (B7	Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reductior Surface (C	or (C1) es along Iron (C4 n in Tilleo 7))		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer	rine) (Riverine) prine) e (C2)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (B3) (I Drift Deposits (B3) (I Surface Soil Cracks Inundation Visible or Water-Stained Leave Vater-Stained Leave	num of one required 2) Ionriverine) (B2) (Nonriverine) Nonriverine) (B6) n Aerial Imagery (B7	Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reduction Surface (C lain in Rem	or (C1) es along Iron (C4 n in Tilleo 7))		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer allow Aquitard (D3)	rine) (Riverine) prine) e (C2)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (B3) (I Drift Deposits (B3) (I Surface Soil Cracks Inundation Visible or Water-Stained Leave Vater-Stained Leave	num of one required (2) (Bonriverine) (B2) (Nonriverine) Nonriverine) (B6) n Aerial Imagery (B7 es (B9)	Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror) Thin Muck	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reduction Surface (C lain in Rem	or (C1) es along Iron (C4 n in Tilleo 7))		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer allow Aquitard (D3)	rine) (Riverine) prine) e (C2)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (B3) (I Drift Deposits (B3) (I Surface Soil Cracks Inundation Visible or Water-Stained Leave Surface Water Present?	num of one required 2) Ionriverine) (B2) (Nonriverine) Nonriverine) (B6) n Aerial Imagery (B7 es (B9) Yes N	Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reduction Surface (C lain in Rem hes):	or (C1) es along Iron (C4 n in Tilleo 7))		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer allow Aquitard (D3)	rine) (Riverine) prine) e (C2)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (Drift Deposits (B3) (I Surface Soil Cracks Inundation Visible or Water-Stained Leave Nater Cable Present? Vater Table Present? Saturation Present?	num of one required (2) (Ba) (Nonriverine) (Ba) (Nonriverine) (Ba) n Aerial Imagery (B7 es (B9) Yes N Yes N Yes N	Salt Crust (Biotic Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reduction Surface (C lain in Rem hes): hes):	or (C1) es along Iron (C4 n in Tilleo 7)) I Soils (C6		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer allow Aquitard (D3)	rine) (Riverine) prine) e (C2)
Vetland Hydrology Ind Primary Indicators (minin Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (B3) (I Drift Deposits (B3) (I Surface Soil Cracks Inundation Visible or Water-Stained Leave Vater Table Present? Vater Table Present? Saturation Present? Includes capillary fringe)	num of one required (2) (Ba) (Nonriverine) (Ba) (Nonriverine) (Ba) (Ba) n Aerial Imagery (B7 es (B9) Yes N Yes N Yes N	Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reduction Surface (C lain in Rem hes): hes):	or (C1) es along Iron (C4 n in Tilleo 7) narks)) I Soils (Ce		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer allow Aquitard (D3) C-Neutral Test (D5)	rine) (Riverine) prine) e (C2)
High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (Drift Deposits (B3) (I Surface Soil Cracks Inundation Visible or Water-Stained Leave Field Observations: Surface Water Present? Nater Table Present? Saturation Present? Saturation Present? Describe Recorded Data	num of one required (2) (Ba) (Nonriverine) (Ba) (Nonriverine) (Ba) (Ba) n Aerial Imagery (B7 es (B9) Yes N Yes N Yes N	Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reduction Surface (C lain in Rem hes): hes):	or (C1) es along Iron (C4 n in Tilleo 7) narks)) I Soils (Ce		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer allow Aquitard (D3) C-Neutral Test (D5)	rine) (Riverine) prine) e (C2)
Wetland Hydrology Ind Primary Indicators (mining Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (B3) (I Drift Deposits (B3) (I Surface Soil Cracks Inundation Visible or Water-Stained Leave Field Observations: Surface Water Present? Vater Table Present? Saturation Present? Describe Recorded Data	num of one required (2) (Ba) (Nonriverine) (Ba) (Nonriverine) (Ba) (Ba) n Aerial Imagery (B7 es (B9) Yes N Yes N Yes N	Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reduction Surface (C lain in Rem hes): hes):	or (C1) es along Iron (C4 n in Tilleo 7) narks)) I Soils (Ce		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer allow Aquitard (D3) C-Neutral Test (D5)	rine) (Riverine) prine) e (C2)
Wetland Hydrology Ind Primary Indicators (mining Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (B3) (I Drift Deposits (B3) (I Surface Soil Cracks Inundation Visible or Water-Stained Leave Field Observations: Surface Water Present? Nater Table Present? Saturation Present?	num of one required (2) (Ba) (Nonriverine) (Ba) (Nonriverine) (Ba) (Ba) n Aerial Imagery (B7 es (B9) Yes N Yes N Yes N	Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reduction Surface (C lain in Rem hes): hes):	or (C1) es along Iron (C4 n in Tilleo 7) narks)) I Soils (Ce		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer allow Aquitard (D3) C-Neutral Test (D5)	rine) (Riverine) prine) e (C2)
Wetland Hydrology Ind Primary Indicators (mining Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) (N Sediment Deposits (B3) (I Drift Deposits (B3) (I Surface Soil Cracks Inundation Visible or Water-Stained Leave Field Observations: Surface Water Present? Vater Table Present? Saturation Present? Describe Recorded Data	num of one required (2) (Ba) (Nonriverine) (Ba) (Nonriverine) (Ba) (Ba) n Aerial Imagery (B7 es (B9) Yes N Yes N Yes N	Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reduction Surface (C lain in Rem hes): hes):	or (C1) es along Iron (C4 n in Tilleo 7) narks)) I Soils (Ce		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer allow Aquitard (D3) C-Neutral Test (D5)	rine) (Riverine) prine) e (C2)
Vetland Hydrology Ind Primary Indicators (minin 	num of one required (2) (Ba) (Nonriverine) (Ba) (Nonriverine) (Ba) (Ba) n Aerial Imagery (B7 es (B9) Yes N Yes N Yes N	Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reduction Surface (C lain in Rem hes): hes):	or (C1) es along Iron (C4 n in Tilleo 7) narks)) I Soils (Ce		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer allow Aquitard (D3) C-Neutral Test (D5)	rine) (Riverine) prine) a (C2)
Vetland Hydrology Ind Primary Indicators (minin 	num of one required (2) (Ba) (Nonriverine) (Ba) (Nonriverine) (Ba) (Ba) n Aerial Imagery (B7 es (B9) Yes N Yes N Yes N	Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Thin Muck Other (Expl Depth (inc Depth (inc Depth (inc	B11) t (B12) ertebrates Sulfide Odd hizosphere f Reduced n Reduction Surface (C lain in Rem hes): hes):	or (C1) es along Iron (C4 n in Tilleo 7) narks)) I Soils (Ce		ter Marks (B1) (River diment Deposits (B2) ft Deposits (B3) (Rive ainage Patterns (B10) A-Season Water Table ayfish Burrows (C8) turation Visible on Aer allow Aquitard (D3) C-Neutral Test (D5)	rine) (Riverine) prine) a (C2)

Project/Site: STEVEN'S CREEK QUARRY	City/County:	CUPERTINO	Sampling Date: 10/13/2017
Applicant/Owner: MITCHELL CHAOWICIL LLC	ini na an	State: CA	Sampling Point: 11
Investigator(s): A. VAN ZUUK, M. TZUEBLOOD	Section, Tow	nship, Range:	
Landform (hillslope, terrace, etc.):	Local relief (concave, convex, none):	Slope (%):
Subregion (LRR):	Lat:	Long:	Datum:
Soil Map Unit Name:		NWI class	sification:
Are climatic / hydrologic conditions on the site typical for thi	s time of year? Yes	No (If no, explain i	n Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstance	s" present? Yes 📈 No
Are Vegetation, Soil, or Hydrology I	naturally problematic?	(If needed, explain any ans	wers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing sampling	point locations, transed	cts, important features, etc.
Hydrophytic Vegetation Present? Yes N	lo le the	Sampled Area	Contractor Manufacture
Hydric Soil Present? Yes N			No
Wetland Hydrology Present? Yes N	lo		
Remarks: NON - WETLAND WATERS			

Its = Total Cover FACU species x 4 = Its = Total Cover FACU species x 4 = Its Its = Total Cover Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its Its		Absolute	Dominant		Dominance Test worksheet:	
3.						(A)
4.	54 G 10 G 1					
Sapiling/Shrub Stratum (Plot size:)					Species Across All Strata:	_ (B)
Saping/Strub Stratum (Plot size:) 15 Y UPL Prevalence Index worksheet: 2.	4	<u></u>	_ = Total Co	ver		(A/B)
1 Image: Control of the stratum Image: Control of					· C - Martin 2002 - Der D Martin 12 - 1 - 12	
3.	1. BALLHARIS PILULARIS	15	<u> </u>	UPL		
4.	2		_			10 10 10
5.	3					
5. IS = Total Cover FAC species x 3 = Herb Stratum (Plot size:) IO Y UPL 1. B20MUS MADRITENSIS IO Y UPL 2. MADIA CERACIUS? S N UPL 3. S N UPL Prevalence Index = B/A = 4. S Ominance Test is >50% Prevalence Index is \$3.01 7. S N UPL Prevalence Index is \$3.01 8. IS = Total Cover Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) 9. Problematic Hydrophytic Vegetation 1 (Explain) 1 1. IS = Total Cover * = = Hydrophytic Vegetation 1 (Explain) 1. = = = 2. = = Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 4. = = Indicators Present? Yes 4. = = Indicators Present? Yes 5. = = Total Cover Indicat	4				FACW species x 2 =	_
Herb Stratum (Plot size:) 10 Y UPL 1. B20MUS MADRITENSIS 10 Y UPL 2. MADIA CTRACILIS ? 5 N UPL 3.	5				FAC species x 3 =	_
1. B20AUS MADDA CTPACILIS? 10 Y UPL Column Totals: (A) (B) 2. MADIA CTPACILIS? 5 N UPL Column Totals: (A) (B) 3.		15	= Total Co	ver	FACU species x 4 =	_
2. MADIA CTPACIUS? 5 N UPL Prevalence Index = B/A = 3.	Herb Stratum (Plot size:)				UPL species x 5 =	_
Prevalence Index = B/A =	1. BROMUS MADRITENSIS		<u> Y </u>		Column Totals: (A)	(B)
4.	2. MADIA GRACILIS?	5	N	UPL		
5.	3				Prevalence Index = B/A =	
5.	4					
7.	5				Dominance Test is >50%	
7	6				Prevalence Index is ≤3.0 ¹	
15 = Total Cover 1.	7	_				
1.	8		= Total Co	ver	Problematic Hydrophytic Vegetation ¹ (Expla	ain)
2.	Woody Vine Stratum (Plot size:)					
2 = Total Cover % Bare Ground in Herb Stratum % Cover of Biotic Crust Present? Yes No	1					must
= Total Cover Wegetation Wegetation Wegetation Present? Yes No	2				be present, unless disturbed or problematic.	
			= Total Co	ver	Vegetation	
Remarks:	% Bare Ground in Herb Stratum 85 % Cove	er of Biotic Ci	rust		Present? Yes <u>No V</u>	
	Remarks:					

Sampling Point: ____1

Profile Description: (Describe to the depti Depth Matrix	Redox Features	NORMON REPENSE PROFESSION
(inches) Color (moist) %	Color (moist) % Type ¹	Loc ² Texture Remarks
		Ter Landers of Children We w
*		
Type: C=Concentration, D=Depletion, RM=F	· · · · · · · · · · · · · · · · · · ·	
lydric Soil Indicators: (Applicable to all L	The second se	Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	3
Thick Dark Surface (A12)	Redox Depressions (F8)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	and the second second	unless disturbed or problematic.
Restrictive Layer (if present):		
Type: CONCRETE		
Depth (inches): <u>SURFACE</u> Remarks: UNABLE TO DIG PIT - DI STORAGE AREA.		Hydric Soil Present? Yes No
Remarks: UNABLE TO DIG PIT- DI STORAGE AREA.	PAINAGE LINED WITH CON	
VNABLE TO DIG PIT- DI STORAGE AREA. YDROLOGY		CRETE. ADJACENT TO PARKING
Remarks: UNABLE TO DIG PIT - DI STORAGE AREA. YDROLOGY Vetland Hydrology Indicators:		DERETE ADJACENT TO PARICING
Remarks: UNASLE TO DIG PIT - DI STORAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required;	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNASLE TO DIG PIT - DI STORAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1)	check all that apply) Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Remarks: UNABLE TO DIG PIT - DI STORAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required;	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNASLE TO DIG PIT - DI STORAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1)	check all that apply) Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Remarks: UNABLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2)	<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Remarks: UNABLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3)	<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Remarks: UNABLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lix Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STORAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNASLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Primary Indicators (Mini	<u>check all that apply)</u> Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Primary Indicators (Mini	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STIPAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Primary Indicators (Minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STIPAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Primary Indicators (Mini	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STIPAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Saturation Present? Yes No	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STIPAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required:	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNASLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Vater Table Present? Yes No	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required:	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Primary Indicators (minimum of one required: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Saturation Present? Yes No Saturation Present? Yes No Saturation Present? Yes No Saturation Present? Yes No	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNASLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Saturation Pr	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required:	check all that apply)	Secondary Indicators (2 or more required)
Remarks: UNABLE TO DIG PIT - DI STIRAGE AREA. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required:	check all that apply)	Secondary Indicators (2 or more required)



This page intentionally left blank



APPENDIX B

APPROVED JURISDICTIONAL DELINEATION FORM

APPROVED JURISDICTIONAL DETERMINATION FORM **U.S. Army Corps of Engineers**

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

Stevens Creek Quarry

SECTION I: BACKGROUND INFORMATION

REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD):

B. DISTRICT OFFICE, FILE NAME, AND NUMBER:

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: CA County/parish/borough: Santa Clara City: Cupertino

Center coordinates of site (lat/long in degree decimal format): Lat. 37.301341, Long. -122.089994.

Universal Transverse Mercator: 580649.02 (easting), 4128690.10 (northing), Zone 10

Name of nearest waterbody: Swiss Creek, Montebello Creek

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Stevens Creek Reservoir

Name of watershed or Hydrologic Unit Code (HUC): HUC: 18050003, California Region / San Francisco Bay Subunit

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request. \square

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a \square different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date:
 Field Determination Date(c):

SECTION II: SUMMARY OF FINDINGS A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There Are no "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce. Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There Are "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

- a. Indicate presence of waters of U.S. in review area (check all that apply): ¹
 - TNWs, including territorial seas
 - Wetlands adjacent to TNWs
 - Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs \boxtimes
 - \boxtimes Non-RPWs that flow directly or indirectly into TNWs
 - \boxtimes Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
 - Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
 - Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
 - Impoundments of jurisdictional waters
 - Isolated (interstate or intrastate) waters, including isolated wetlands
- b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: 6.58 acres. Wetlands: 0.33 acres.

c. Limits (boundaries) of jurisdiction based on: 1987 Delineation Manual Elevation of established OHWM (if known):

Non-regulated waters/wetlands (check if applicable):³ 2.

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain: One isolated wetland was determined to be not jurisdictional since it has no connectivity to TNWs or other

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

Supporting documentation is presented in Section III.F.

nexus to interstate waters. Based on SWANCC these features have no value for interstate commerce and are considered not jurisdictional.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW:

Summarize rationale supporting determination:

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent":

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

RPW-1 (See attached map) – RPW-1 consists of a settling pond and adjacent wetlands that flows southeast into RPW-2.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

 (i) General Area Conditions: Watershed size: 1500 acres Drainage area: 1500 acres Average annual rainfall: 6.28 inches Average annual snowfall: 0.00 inches

(ii) Physical Characteristics:

(a)

<u>Relationship with TNW:</u>
□ Tributary flows directly into TNW.
□ Tributary flows through 1 tributaries before entering TNW.

Project waters are **1** (or less) river miles from TNW. Project waters are **1** (or less) river miles from RPW.

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

Project waters are **1** (or less) aerial (straight) miles from TNW. Project waters are **1** (or less) aerial (straight) miles from RPW. Project waters cross or serve as state boundaries. Explain: N/A.

Identify flow route to TNW⁵: Flows southeast 310 ft into RPW-2, then flows southeast into RPW-3, then southeast into RPW-4. From RPW-4 flows 0.1 mi into Swiss Creek, then 0.23 mi into Stevens Creek Reservoir. Tributary stream order, if known: Secondary.

(b) <u>General Tributary Characteristics (check all that apply):</u>

(0)	Tributary is: Natural Artificial (man-made). Explain: . Manipulated (man-altered). Explain: Feature is a settling pond created by daming an unnamed intermittent stream.
	Tributary properties with respect to top of bank (estimate): Average width: 110 feet. Average depth: Unknown. Average side slopes: 4:1 (or greater).
	Primary tributary substrate composition (check all that apply): Image: Concrete in the concrete
	Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Sloughing banks. Landslide during the winter of 2016/2017 filled in western portion of feature. Banks otherwise appear to be stable. Presence of run/riffle/pool complexes. Explain: Flows tend to move slowly through the study area. Tributary geometry: Relatively straight Tributary gradient (approximate average slope): 50 %
(c)	<u>Flow:</u> Tributary provides for: Seasonal flow Estimate average number of flow events in review area/year: 20 (or greater) Describe flow regime: Feature conveys flows originating in RPW-8 and surrounding slopes. Conveys flows nearly year-round. Other information on duration and volume: N / A .
	Surface flow is: Confined. Characteristics: . Subsurface flow: Unknown. Explain findings: . Dye (or other) test performed: .
	Tributary has (check all that apply): Bed and banks OHWM ⁶ (check all indicators that apply): clear, natural line impressed on the bank changes in the character of soil shelving vegetation matted down, bent, or absent leaf litter disturbed or washed away sediment deposition water staining other (list): Discontinuous OHWM. ⁷ Explain:
	If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply): High Tide Line indicated by: Mean High Water Mark indicated by: oil or scum line along shore objects survey to available datum; fine shell or debris deposits (foreshore) physical markings;

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW. ⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break. ⁷Ibid.

ph
tid

physical markings/characteristics tidal gauges other (list): vegetation lines/changes in vegetation types.

(iii) Chemical Characteristics:

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: Water is cloudy with fine sediments.

Identify specific pollutants, if known: Unknown.

(iv) Biological Characteristics. Channel supports (check all that apply):

- Riparian corridor. Characteristics (type, average width):
 - Wetland fringe. Characteristics:

Habitat for:

Federally Listed species. Explain findings:

Fish/spawn areas. Explain findings:

Other environmentally-sensitive species. Explain findings:

Aquatic/wildlife diversity. Explain findings:

Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW All wetland(s) being considered in the cumulative analysis: 2 Approximately (0.28) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)
Yes	0.27		
Yes	0.01		

Summarize overall biological, chemical and physical functions being performed: Typha wetlands present on northern, western, and eastern edges of settling pond, approximately 10 feet in width, directly abuting RPW-1. Tributary connectivity via culverts.

RPW-2 (See attached map) – RPW-2 consists of a settling pond and adjacent wetlands that flow southwest into RPW-3.

- 1. Characteristics of non-TNWs that flow directly or indirectly into TNW
 - (i) General Area Conditions: Watershed size: 1500 acres Drainage area: 1500 acres Average annual rainfall: 6.28 inches Average annual snowfall: 0.00 inches

(ii) Physical Characteristics:

(a) <u>Relationship with TNW:</u>
 ☐ Tributary flows directly into TNW.
 ⊠ Tributary flows through 1 tributary before entering TNW.

Project waters are **1 (or less)** river miles from TNW. Project waters are **1 (or less)** river miles from RPW. Project waters are **1 (or less)** aerial (straight) miles from TNW. Project waters are **1 (or less)** aerial (straight) miles from RPW. Project waters cross or serve as state boundaries. Explain: **N/A**.

Identify flow route to TNW⁸: Flows 30 feet east into RPW-3 in the review area, then flows southeast into RPW-4. From RPW-4 flows 0.1 mi into Swiss Creek, then 0.23 mi into Stevens Creek Reservoir. Tributary stream order, if known: Second.

(b) <u>General Tributary Characteristics (check all that apply):</u>

Tributary is: 🗌 Natural

Artificial (man-made). Explain:

 $\overline{\boxtimes}$ Manipulated (man-altered). Explain: Feature is a settling pond created by daming an unnamed intermittent stream.

⁸ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

		Tributary properties with respect to top of bank (estimate): Average width: 33 feet. Average depth: Unknown. Average side slopes: 2:1.
		Primary tributary substrate composition (check all that apply):
		Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Banks appear to be stable. Presence of run/riffle/pool complexes. Explain: Flows tend to move slowly through the review area. Tributary geometry: Relatively straight Tributary gradient (approximate average slope): 2 %
	(c)	<u>Flow:</u> Tributary provides for: Seasonal flow Estimate average number of flow events in review area/year: 20 (or greater) Describe flow regime: Feature conveys flows originating in RPW-8, upstream settling ponds, and surrounding slopes. Conveys flows nearly year-round. Other information on duration and volume: N/A .
		Surface flow is: Confined. Characteristics:
		Subsurface flow: Unknown . Explain findings:
		Tributary has (check all that apply): Bed and banks OHWM ⁹ (check all indicators that apply): clear, natural line impressed on the bank clear, natural line impressed on the bank sediment sorting sediment deposition multiple observed or predicted flow events abrupt change in plant community clear, line line line line line line line line
		If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply): High Tide Line indicated by: Mean High Water Mark indicated by: oil or scum line along shore objects survey to available datum; fine shell or debris deposits (foreshore) physical markings/characteristics tidal gauges other (list):
(iii)	Cha	emical Characteristics: racterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.) Explain: Water is cloudy with fine sediments. ntify specific pollutants, if known: Unknown.
(iv)	Biol	logical Characteristics. Channel supports (check all that apply): Riparian corridor. Characteristics (type, average width): Wetland fringe. Characteristics: Habitat for: □ Federally Listed species. Explain findings:

.

Fish/spawn areas. Explain findings:

⁹A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break. ¹⁰Ibid.

☐ Other environmentally-sensitive species. Explain findings: ☐ Aquatic/wildlife diversity. Explain findings:

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW All wetland(s) being considered in the cumulative analysis: 1

Approximately (<0.01) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)Size (in acres)Yes<0.01</td>

Directly abuts? (Y/N) Size

Size (in acres)

Summarize overall biological, chemical and physical functions being performed: Seasonal wetland directly abutting RPW-2. Tributary connectivity via culverts.

RPW-3 (See attached map) – RPW-3 consists of a settling pond that flows southeast into RPW-4.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: **1500 acres** Drainage area: **1500 acres** Average annual rainfall: **6.28 inches** Average annual snowfall: **0.00 inches**

(ii) Physical Characteristics:

(a) <u>Relationship with TNW:</u>

 ☐ Tributary flows directly into TNW.
 ☑ Tributary flows through 1 tributaries before entering TNW.

Project waters are	1 (or less) river miles from TNW.
Project waters are	1 (or less) river miles from RPW.
Project waters are	1 (or less) aerial (straight) miles from TNW.
Project waters are	1 (or less) aerial (straight) miles from RPW.
Project waters cros	ss or serve as state boundaries. Explain: N/A.

Identify flow route to TNW¹¹: Flows southeast 32 feet into RPW-4. From RPW-4 flows 0.1 mi into Swiss Creek, then 0.23 mi into Stevens Creek Reservoir. Tributory stream order if known: Second

Tributary stream order, if known: Second.

(b) <u>General Tributary Characteristics (check all that apply):</u>

Tributary is: 🗌 Natural

Artificial (man-made). Explain:

Manipulated (man-altered). Explain: Feature is a settling pond created by daming an unnamed intermittent stream.

Tributary properties with respect to top of bank (estimate):

Average width: **66 feet.** Average depth: **Unknown**.

Average side slopes: 2:1.

Primary tributary substrate composition (check all that apply):

Gravel

⊠ Silts	
Cobbles	
Bedrock	
Other. Explain:	

Concrete
Muck

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: **Banks appear to be stable.** Presence of run/riffle/pool complexes. Explain: **Flows tend to move slowly through the review area.** Tributary geometry: **Relatively straight** Tributary gradient (approximate average slope): **2 %**

(c) Flow:

□ Vegetation. Type/% cover:

¹¹ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

	Tributary provides for: Seasonal flow Estimate average number of flow events in review area/year: 20 (or greater) Describe flow regime: Feature conveys flows originating in RPW-8, upstream settling ponds, and surrounding slopes. Conveys flows nearly year-round. Other information on duration and volume: N/A.		
	Surface flow is: Confined. Characteristics:		
	Subsurface flow: Unknown . Explain findings: Dye (or other) test performed: .		
	Tributary has (check all that apply): Bed and banks OHWM ¹² (check all indicators that apply): clear, natural line impressed on the bank clear, natural line impressed on the bank changes in the character of soil shelving vegetation matted down, bent, or absent leaf litter disturbed or washed away sediment deposition water staining other (list): Discontinuous OHWM. ¹³ Explain:		
	If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply): High Tide Line indicated by: Mean High Water Mark indicated by: oil or scum line along shore objects survey to available datum; fine shell or debris deposits (foreshore) physical markings; physical markings/characteristics vegetation lines/changes in vegetation types. tidal gauges other (list):		
	 (iii) Chemical Characteristics: Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: Water is cloudy with fine sediments. Identify specific pollutants, if known: Unknown. 		
	 (iv) Biological Characteristics. Channel supports (check all that apply): Riparian corridor. Characteristics (type, average width): Wetland fringe. Characteristics: Habitat for: Federally Listed species. Explain findings: Fish/spawn areas. Explain findings: Other environmentally-sensitive species. Explain findings: Aquatic/wildlife diversity. Explain findings: 		
2.	Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW All wetland(s) being considered in the cumulative analysis: Pick List Approximately (0.00) acres in total are being considered in the cumulative analysis.		
For each wetland, specify the following:			
	Directly abuts? (Y/N)Size (in acres)Directly abuts? (Y/N)Size (in acres)		
	Summarize overall biological, chemical and physical functions being performed: No wetlands occur adjacent to RPW 3. Area is managed via herbicide treatments and dredging.		

 $^{^{12}}$ A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break. ¹³Ibid.

RPW-4 (See attached map) - RPW-4 consists of a settling pond and adjacent wetlands that flows south, southeast into RPW-9.

- Characteristics of non-TNWs that flow directly or indirectly into TNW 1.
 - (i) **General Area Conditions:** Watershed size: 1500 acres Drainage area: **1500** acres Average annual rainfall: 6.28 inches Average annual snowfall: 0.00 inches
 - (ii) Physical Characteristics:

(a)

Relationship with TNW: Tributary flows directly into TNW. Tributary flows through 1 tributaries before entering TNW.

Project waters are 1 (or less) river miles from TNW. Project waters are 1 (or less) river miles from RPW. Project waters are 1 (or less) aerial (straight) miles from TNW. Project waters are 1 (or less) aerial (straight) miles from RPW. Project waters cross or serve as state boundaries. Explain: N/A.

Identify flow route to TNW¹⁴: Flows southeast through a culvert approximately 518 feet, then drops into an intermittent drainage (concrete spillway) flowing south for 120 feet, joining RPW-9. RPW-9 flows 0.23 mi southeast into Stevens Creek Reservoir. Tributary stream order, if known: Second.

(b) General Tributary Characteristics (check all that apply): Natural

Tributary	is:	

Artificial (man-made). Explain:

Manipulated (man-altered). Explain: Feature is a settling pond created by daming an unnamed intermittent stream.

Tributary properties with respect to top of bank (estimate): Average width: 108 fee

Average	width. 196 leet.
Average	depth: Unknown.
Average	side slopes: 2:1.

Primary tributary substrate composition (check all that apply):

🖂 Silts	⊠ Sands
🛛 Cobbles	🖾 Gravel
Bedrock	□ Vegetation. Type/% cover:
Other. Explain:	

 \boxtimes OHWM¹⁵ (check all indicators that apply):

Concrete Muck

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Banks appear to be stable. Presence of run/riffle/pool complexes. Explain: Flows tend to move slowly through the study area. Tributary geometry: Relatively straight Tributary gradient (approximate average slope): 2 %

(c) Flow:

Tributary provides for: Seasonal flow
Estimate average number of flow events in review area/year: 20 (or greater) Describe flow regime: Feature conveys flows originating in RPW-8, upstream settling ponds, and surrounding
slopes. Conveys flows nearly year-round.
Other information on duration and volume: N/A.
Surface flow is: Confined. Characteristics:
Subsurface flow: Unknown. Explain findings:
\Box Dye (or other) test performed: .
Tributary has (check all that apply): ⊠ Bed and banks

¹⁴ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

	 changes in the c shelving vegetation matt 	ed down, bent, or absent bed or washed away ition		the presence of litter and deb destruction of terrestrial vege the presence of wrack line sediment sorting scour multiple observed or predicte abrupt change in plant comm	tation d flow events
	If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply): High Tide Line indicated by: Mean High Water Mark indicated by: oil or scum line along shore objects survey to available datum; fine shell or debris deposits (foreshore) physical markings/characteristics tidal gauges other (list):				
(iii)	 (iii) Chemical Characteristics: Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: Water is cloudy with fine sediments. Identify specific pollutants, if known: Unknown. 				
 (iv) Biological Characteristics. Channel supports (check all that apply): Riparian corridor. Characteristics (type, average width): Wetland fringe. Characteristics: Habitat for: Federally Listed species. Explain findings: Fish/spawn areas. Explain findings: Other environmentally-sensitive species. Explain findings: Aquatic/wildlife diversity. Explain findings: 					
Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW All wetland(s) being considered in the cumulative analysis: 1 Approximately (0.03) acres in total are being considered in the cumulative analysis. For each wetland, specify the following:					
	Directly abuts? (Y/N) Yes	<u>Size (in acres)</u> 0.03		Directly abuts? (Y/N)	Size (in acres)

Summarize overall biological, chemical and physical functions being performed: Wetlands present on northwestern edge of settling pond, directly abuting RPW-4. Feature managed via herbicide treatments and dredging. Tributary connectivity via culverts.

RPW-5 (See attached map) –RPW-5 consists of a series of small, damed basins that flow south into RPW-9.

- 1. Characteristics of non-TNWs that flow directly or indirectly into TNW
 - (i) General Area Conditions: Watershed size: 1500 acres Drainage area: 1500 acres Average annual rainfall: 6.28 inches Average annual snowfall: 0.00 inches

(ii) Physical Characteristics:

2.

- (a) <u>Relationship with TNW:</u>
 - Tributary flows directly into TNW.
 - Tributary flows through 1 tributaries before entering TNW.

¹⁵A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break. ¹⁶Ibid.

	Project waters are 1 (or less) river miles from TNW. Project waters are 1 (or less) river miles from RPW. Project waters are 1 (or less) aerial (straight) miles from TNW. Project waters are 1 (or less) aerial (straight) miles from RPW. Project waters cross or serve as state boundaries. Explain: N/A .
	Identify flow route to TNW ¹⁷ : Flows southwest 57 ft into RPW-9, then flows southeast 0.09 mi into Stevens Creek Reservoir. Tributary stream order, if known: Second.
(b)	General Tributary Characteristics (check all that apply): Tributary is: □ Natural ☑ Artificial (man-made). Explain: Feature is a settling pond that was created in uplands which flows indirectly into a TNW. □ Manipulated (man-altered). Explain:
	Tributary properties with respect to top of bank (estimate): Average width: 35 feet. Average depth: Unknown. Average side slopes: 4:1 (or greater).
	Primary tributary substrate composition (check all that apply): Silts Sands Concrete Cobbles Gravel Muck Bedrock Vegetation. Type/% cover: Other. Explain:
	Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Banks appear to be stable . Presence of run/riffle/pool complexes. Explain: . Tributary geometry: Relatively straight Tributary gradient (approximate average slope): 50 %
(c)	<u>Flow:</u> Tributary provides for: Ephemeral flow Estimate average number of flow events in review area/year: 6-10 Describe flow regime: Feature collects surface runoff from surrounding hillsides; conveys ephemeral flows during storm events. Other information on duration and volume: N/A .
	Surface flow is: Confined. Characteristics:
	Subsurface flow: Unknown. Explain findings:
	Tributary has (check all that apply):
	If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply): High Tide Line indicated by: Mean High Water Mark indicated by:

¹⁷ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW. ¹⁸A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break. ¹⁹Ibid.

- oil or scum line along shore objects
 - fine shell or debris deposits (foreshore) physical markings/characteristics

tidal gauges other (list):

survey to available datum;

- physical markings;
- vegetation lines/changes in vegetation types.

(iii) Chemical Characteristics:

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: Water in lowest basin is cloudy with fine sediments.

Identify specific pollutants, if known: Unknown.

(iv) Biological Characteristics. Channel supports (check all that apply):

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Ē Habitat for:

Federally Listed species. Explain findings:

- Fish/spawn areas. Explain findings:
- Other environmentally-sensitive species. Explain findings:
- Aquatic/wildlife diversity. Explain findings:

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

All wetland(s) being considered in the cumulative analysis: Pick List

Approximately (0.00) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N) Size (in acres) Directly abuts? (Y/N)

Size (in acres)

Summarize overall biological, chemical and physical functions being performed: Typha wetlands present on northern, western, and eastern edges of settling pond, approximately 10 feet in width, directly abuting RPW-1. Tributary connectivity via culverts.

RPW-6 (See attached map) – RPW-6 consists of a settling pond that flows southwest into RPW-9.

Characteristics of non-TNWs that flow directly or indirectly into TNW 1.

General Area Conditions: (i)

> Watershed size: 1500 acres Drainage area: **1500** acres Average annual rainfall: 6.28 inches Average annual snowfall: 0.00 inches

(ii) Physical Characteristics: (a)

Relationship with TNW: Tributary flows directly into TNW. \boxtimes Tributary flows through **1** tributaries before entering TNW.

Project waters are 1 (or less) river miles from TNW. Project waters are 1 (or less) river miles from RPW. Project waters are 1 (or less) aerial (straight) miles from TNW. Project waters are 1 (or less) aerial (straight) miles from RPW. Project waters cross or serve as state boundaries. Explain: N/A.

Identify flow route to TNW²⁰: Flows southwest approximately 123 ft into RPW-9, then flows southeast 360 feet into Stevens Creek Reservoir.

Tributary stream order, if known: Second.

General Tributary Characteristics (check all that apply): (b)

Tributary is:

Natural Artificial (man-made). Explain: Feature is a settling pond that was created in uplands which flows indirectly into a TNW. Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

²⁰ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

	Average width: 24 feet . Average depth: Unknown . Average side slopes: 4:1 (or greater).
	Primary tributary substrate composition (check all that apply):
	Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Banks appear to be stable . Presence of run/riffle/pool complexes. Explain: . Tributary geometry: Relatively straight Tributary gradient (approximate average slope): 50 %
(c)	<u>Flow:</u> Tributary provides for: Ephemeral flow Estimate average number of flow events in review area/year: 6-10 Describe flow regime: Feature collects surface runoff from parking area and surrounding hillsides; conveys ephemeral flows during storm events. Other information on duration and volume: N/A .
	Surface flow is: Confined. Characteristics:
	Subsurface flow: Unknown. Explain findings:
	Tributary has (check all that apply): □ Bed and banks □ OHWM ²¹ (check all indicators that apply): □ □ clear, natural line impressed on the bank □ □ clear, natural line impressed on the bank □ □ clear, natural line impressed on the bank □ □ clear, natural line impressed on the bank □ □ clear, natural line impressed on the bank □ □ clear, natural line impressed on the bank □ □ clear, natural line impressed on the bank □ □ changes in the character of soil □ the presence of litter and debris □ shelving □ the presence of wrack line sediment sorting □ leaf litter disturbed or washed away □ secour secour □ leaf litter disturbed or washed away □ secour multiple observed or predicted flow events □ water staining □ abrupt change in plant community abrupt change in plant community □ Discontinuous OHWM. ²² Explain: . . .
	If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply): High Tide Line indicated by: Mean High Water Mark indicated by: oil or scum line along shore objects survey to available datum; fine shell or debris deposits (foreshore) physical markings/characteristics tidal gauges vegetation lines/changes in vegetation types.
Cha	emical Characteristics: aracterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: Water is cloudy with fine sediments. ntify specific pollutants, if known: Unknown.
(iv) Biol	logical Characteristics. Channel supports (check all that apply): Riparian corridor. Characteristics (type, average width): Wetland fringe. Characteristics: Habitat for: □ Federally Listed species. Explain findings: □ Fish/spawn areas. Explain findings: □ Other environmentally-sensitive species. Explain findings: □ Aquatic/wildlife diversity. Explain findings:

 $^{^{21}}$ A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break. 22 Ibid.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

All wetland(s) being considered in the cumulative analysis: **Pick List** Approximately (0.00) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N) Size (in acres)

Directly abuts? (Y/N)

Size (in acres)

Summarize overall biological, chemical and physical functions being performed: No wetlands present within or adjacent to feature. Tributary connectivity via culverts.

RPW-7 (See attached map) - RPW-7 consists of a settling pond that flows south into RPW-9.

- 1. Characteristics of non-TNWs that flow directly or indirectly into TNW
 - (i) General Area Conditions: Watershed size: 1500 acres Drainage area: 1500 acres Average annual rainfall: 6.28 inches Average annual snowfall: 0.00 inches

(ii) Physical Characteristics:

(a) <u>Relationship with TNW:</u>

 □ Tributary flows directly into TNW.
 □ Tributary flows through 1 tributaries before entering TNW.

Project waters are	1 (or less) river miles from TNW.
Project waters are	1 (or less) river miles from RPW.
Project waters are	1 (or less) aerial (straight) miles from TNW.
Project waters are	1 (or less) aerial (straight) miles from RPW.
Project waters cros	ss or serve as state boundaries. Explain: N/A.

Identify flow route to TNW ²³ : Flows south 53 feet into a rock drainage, then an additional 25 ft into RPW-9. R	PW-
9 flows southeast 200 ft into Stevens Creek Reservoir.	
Tributary stream order, if known: Second .	

(b) General Tributary Characteristics (check all that apply):

Tributary is:	🗌 Natural
	Artificial (man-made). Explain: Feature is a settling pond that was created in uplands which
	flows indirectly into a TNW.
	Manipulated (man-altered). Explain:

Concrete

Muck

Tributary properties with respect to top of bank (estimate): Average width: 28 feet. Average depth: Unknown.

Average side slopes: **4:1** (or greater).

Primary tributary substrate composition (check all that apply): Silts Sands Cobbles Gravel Bedrock Vegetation. Type/% cover: Other. Explain:

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: **Banks appear to be stable**. Presence of run/riffle/pool complexes. Explain: Tributary geometry: **Relatively straight** Tributary gradient (approximate average slope): **50 %**

(c) <u>Flow:</u> Tributary provides for: **Ephemeral flow** Estimate average number of flow events in review area/year: 6-10

²³ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

Desc	crib	e flo	w regi	ime: F	eatur	e coll	ects s	surface i	unoff from	n parking	g area a	and surr	ounding	g hillsid	les; coi	iveys
ephe	eme	ral	flows	during	g stor	m eve	ents.									
0.1		c	. •		. •											

Other information on duration and volume: N/A

2.

	Surface flow is: Confined.	Characteristics: .			
	Subsurface flow: Unknown Dye (or other) test				
	 clear, natural li changes in the shelving vegetation mat 	ll indicators that apply): ne impressed on the bank character of soil ted down, bent, or absent rbed or washed away sition		the presence of litter and det destruction of terrestrial veg the presence of wrack line sediment sorting scour multiple observed or predict abrupt change in plant comm	etation ed flow events
	☐ High Tide Line in ☐ oil or scum line ☐ fine shell or de			teral extent of CWA jurisdicti in High Water Mark indicated survey to available datum; physical markings; vegetation lines/changes in ve	by:
Cha	emical Characteristics: racterize tributary (e.g., wate Explain: Water is cloudy w atify specific pollutants, if kn	vith fine sediments.	, oily	film; water quality; general v	vatershed characteristics, etc.).
(iv) Biol	ogical Characteristics. Characterist. Ch	ristics (type, average widt stics: . Explain findings: . in findings: . ensitive species. Explain	h):		
All	eristics of wetlands adjacen wetland(s) being considered proximately (0.00) acres in to	in the cumulative analysis:	Pic	k List	
For	each wetland, specify the fol	lowing:			
	Directly abuts? (Y/N)	Size (in acres)		Directly abuts? (Y/N)	Size (in acres)
	Summarize overall biologic	al chemical and physical f	inct	ions being performed. No we	lands present within or

Summarize overall biological, chemical and physical functions being performed: No wetlands present within or adjacent to feature. Tributary connectivity via culverts.

 $^{^{24}}$ A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break. ²⁵Ibid.

RPW-8 (See attached map) – RPW-8 consists of an unnamed intermittent stream that flows east into RPW-1.

- 1. Characteristics of non-TNWs that flow directly or indirectly into TNW
 - (i) General Area Conditions: Watershed size: 1500 acres Drainage area: 1500 acres Average annual rainfall: 6.28 inches Average annual snowfall: 0.00 inches
 - (ii) Physical Characteristics:

(a)

Relationship with TNW: ☐ Tributary flows directly into TNW. ☑ Tributary flows through 1 tributaries before entering TNW.

Project waters are **1 (or less)** river miles from TNW. Project waters are **1 (or less)** river miles from RPW. Project waters are **1 (or less)** aerial (straight) miles from TNW. Project waters are **1 (or less)** aerial (straight) miles from RPW. Project waters cross or serve as state boundaries. Explain: **N/A**.

Identify flow route to TNW ²⁶ : Flows directly into RPW-1, then successively into RPWs 2-4. From RPW-4 flows 0.1
mi into Swiss Creek, then 0.23 mi into Stevens Creek Reservoir.
Tributary stream order, if known: Second.

(b) <u>General Tributary Characteristics (check all that apply):</u> **Tributary** is: X Natural

Natural	
Artificial (man-made). Explain:	
Manipulated (man-altered). Explain:	

Tributary properties with respect to top of bank (estimate):

Average width: **16 feet**. Average depth: **Unknown**. Average side slopes: **4:1 (or greater).**

Primary tributary substrate composition (check all that apply):

Silts	🖂 Sands
🔀 Cobbles	Gravel
🔀 Bedrock	☐ Vegetation. Type/% cover:
Other. Explain:	

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: **Highly eroding banks in some areas**. Presence of run/riffle/pool complexes. Explain: Tributary geometry: **Meandering**

Concrete

Tributary gradient (approximate average slope): 50 %

(c) Flow:

Tributary provides for: Seasonal flow
Estimate average number of flow events in review area/year: 20 (or greater)
Describe flow regime: Tributary collects runoff from surrounding hillsides; conveys seasonal flows.
Other information on duration and volume: N/A.

Surface flow is: **Confined.** Characteristics:

Subsurface flow: **Unknown**. Explain findings: Dye (or other) test performed:

Tributary has (check all that apply): ☐ Bed and banks ☐ OHWM²⁷ (check all indicators that apply):

²⁶ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
²⁷A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

 □ clear, natural line impr □ changes in the characted □ shelving ○ vegetation matted dow ○ leaf litter disturbed or ○ sediment deposition □ water staining □ other (list): □ Discontinuous OHWM.²⁸ 	er of soil	the presence of litter and deb destruction of terrestrial vega the presence of wrack line sediment sorting scour multiple observed or predicto abrupt change in plant comm	etation ed flow events
If factors other than the OHWM we High Tide Line indicated oil or scum line along fine shell or debris dep physical markings/chat tidal gauges other (list):	by: shore objects oosits (foreshore)	tteral extent of CWA jurisdiction an High Water Mark indicated survey to available datum; physical markings; vegetation lines/changes in ve	by:
 (iii) Chemical Characteristics: Characterize tributary (e.g., water color i Explain: Water is generally clear. Identify specific pollutants, if known: United to the specific pollutants. 		y film; water quality; general v	vatershed characteristics, etc.).
 (iv) Biological Characteristics. Channel standing in the second standard standa	type, average width): C n. in findings: ngs: e species. Explain find llow-legged frog, a spe ved during field surve	California bay dominated, with ings: Shady, rocky stream co ecies of concern and candidat	rridor with small areas of
Characteristics of wetlands adjacent to nor All wetland(s) being considered in the cu Approximately (0.00) acres in total are b	umulative analysis: Pic	k List	
For each wetland, specify the following:			
Directly abuts? (Y/N) Size ((in acres)	Directly abuts? (Y/N)	Size (in acres)
Summarize overall biological, chen channel; too rocky.	nical and physical func	tions being performed: No wet	lands present along stream

RPW-9 (See attached map) – RPW-9 consists of Swiss Creek, which flows generally southeast into Stevens Creek Reservoir.

- 1. Characteristics of non-TNWs that flow directly or indirectly into TNW
 - (i) General Area Conditions: Watershed size: 1500 acres Drainage area: 1500 acres Average annual rainfall: 6.28 inches Average annual snowfall: 0.00 inches
 - (ii) Physical Characteristics:
 - (a) <u>Relationship with TNW:</u>
 ⊠ Tributary flows directly into TNW.
 □ Tributary flows through **0** tributaries before entering TNW.

2.

Project waters are 1 (or less) river miles from TNW.
Project waters are 1 (or less) river miles from RPW.
Project waters are 1 (or less) aerial (straight) miles from TNW.
Project waters are 1 (or less) aerial (straight) miles from RPW.
Project waters cross or serve as state boundaries. Explain: N/A.

Identify flow route to TNW²⁹: Flows generally southeast 0.34 mi into Stevens Creek Reservoir. Tributary stream order, if known: First.

(b)	General Tributary Characteristics (check all that apply): Tributary is: Natural Artificial (man-made). Explain: Manipulated (man-altered). Explain:
	Tributary properties with respect to top of bank (estimate): Average width: 11 feet. Average depth: Unknown. Average side slopes: 4:1 (or greater).
	Primary tributary substrate composition (check all that apply): Silts Sands Concrete Gravel Muck Bedrock Vegetation. Type/% cover: Other. Explain: .
	Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Banks appear to be stable . Presence of run/riffle/pool complexes. Explain: . Tributary geometry: Meandering Tributary gradient (approximate average slope): 50 %
(c)	<u>Flow:</u> Tributary provides for: Seasonal flow Estimate average number of flow events in review area/year: 20 (or greater) Describe flow regime: Tributary collects runoff from surrounding hillsides; conveys seasonal flows . Other information on duration and volume: N/A .
	Surface flow is: Confined. Characteristics:
	Subsurface flow: Unknown . Explain findings: Dye (or other) test performed: .
	Tributary has (check all that apply): Bed and banks OHWM ³⁰ (check all indicators that apply): clear, natural line impressed on the bank changes in the character of soil shelving vegetation matted down, bent, or absent leaf litter disturbed or washed away sediment deposition water staining other (list): Discontinuous OHWM. ³¹ Explain:
	If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply): High Tide Line indicated by: Mean High Water Mark indicated by: oil or scum line along shore objects survey to available datum; fine shell or debris deposits (foreshore) physical markings/characteristics tidal gauges tidal gauges

²⁹ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
³⁰A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
³¹Ibid.

other (list):

(iii) Chemical Characteristics:

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: **Water is generally clear**.

Identify specific pollutants, if known: Unknown.

(iv) Biological Characteristics. Channel supports (check all that apply):

- Riparian corridor. Characteristics (type, average width): California bay dominated, with *Rubus ursinus*, *Plantanus racemose*, and *Acer macrophyllum*.
 - Wetland fringe. Characteristics:

Habitat for:

- Federally Listed species. Explain findings:
- Fish/spawn areas. Explain findings:
- Other environmentally-sensitive species. Explain findings: Shady, rocky creek corridor with small areas of ponding supports Foothill Yellow-legged frog, a species of concern and candidate for Threatened status in California. Species was observed during field surveys.
- Aquatic/wildlife diversity. Explain findings:

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately (0.00) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N) Size (in acres)

Directly abuts? (Y/N)

Size (in acres)

Summarize overall biological, chemical and physical functions being performed: **No wetlands present along stream channel; too rocky**.

RPW-10 (See attached map) – RPW-10 consists of Montebello Creek and adjacent wetlands that flow north into RPW-9.

- 1. Characteristics of non-TNWs that flow directly or indirectly into TNW
 - (i) General Area Conditions: Watershed size: 1500 acres Drainage area: 1500 acres Average annual rainfall: 6.28 inches Average annual snowfall: 0.00 inches

(ii) Physical Characteristics:

- (a) <u>Relationship with TNW:</u>
 - ☐ Tributary flows directly into TNW. ⊠ Tributary flows through 1 tributaries before entering TNW.

Project waters are **1 (or less)** river miles from TNW. Project waters are **1 (or less)** river miles from RPW. Project waters are **1 (or less)** aerial (straight) miles from TNW. Project waters are **1 (or less)** aerial (straight) miles from RPW. Project waters cross or serve as state boundaries. Explain: **N**/A.

Identify flow route to TNW³²: Flows north 550 feet into RPW-9, then flows southeast 0.21 mi into Stevens Creek Reservoir.

Tributary stream order, if known: Secondary.

(b) <u>General Tributary Characteristics (check all that apply):</u> **Tributary** is: X Natural

☑ Natural
 ☑ Artificial (man-made). Explain:
 ☑ Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate): Average width: 4 feet. Average depth: Unknown.

³² Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

Average side slopes: 4:1 (or greater).

		Primary tributary substrate composition (check all that apply):			
		Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Banks highly incised, eroding . Presence of run/riffle/pool complexes. Explain: Tributary geometry: Relatively straight Tributary gradient (approximate average slope): 35 %			
	(c)	 <u>Flow:</u> Tributary provides for: Seasonal flow Estimate average number of flow events in review area/year: 20 (or greater) Describe flow regime: Tributary collects runoff from surrounding hillsides; conveys seasonal flows. Other information on duration and volume: N/A. 			
		Surface flow is: Confined. Characteristics:			
		Subsurface flow: Unknown. Explain findings: Dye (or other) test performed: .			
		Tributary has (check all that apply):			
		If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply): High Tide Line indicated by: Mean High Water Mark indicated by: oil or scum line along shore objects survey to available datum; fine shell or debris deposits (foreshore) physical markings/characteristics tidal gauges other (list):			
(iii)	Cha	emical Characteristics: racterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: Water is generally clear. https specific pollutants, if known: Unknown.			
(iv)	Biol	 logical Characteristics. Channel supports (check all that apply): Riparian corridor. Characteristics (type, average width): Wetland fringe. Characteristics: Habitat for: Federally Listed species. Explain findings: Fish/spawn areas. Explain findings: Other environmentally-sensitive species. Explain findings: Shady, rocky creek corridor with small areas of ponding could provide habitat for Foothill Yellow-legged frog, a species of concern and candidate for Threatened status in California. 			

Aquatic/wildlife diversity. Explain findings:

.

³³A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break. ³⁴Ibid.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

All wetland(s) being considered in the cumulative analysis: **1** Approximately (0.01) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)
Yes	0.01		

Summarize overall biological, chemical and physical functions being performed: Wetlands present within and adjacent to RPW-10, approximately 10 feet in width. Tributary connectivity via culverts.

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

- 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D: Non-RPW-1 is an ephemeral drainage that conveys seasonal flows indirectly into a TNW. Therefore, Non-RPW-1 has the capacity to convey pollutants to TNWs, thus providing a significant nexus.
- 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: N/A.
- 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: N/A.

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

- TNWs and Adjacent Wetlands. Check all that apply and provide size estimates in review area:

 TNWs:
 linear feet
 width (ft), Or,
 acres.

 Wetlands adjacent to TNWs:
 acres.
- 2. RPWs that flow directly or indirectly into TNWs.
 - Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:
 - ☑ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: All RPWs in the review area have either continuous or intermittent "seasonal" flows with areas of ponding.

Provide estimates for jurisdictional waters in the review area (check all that apply):

∑ Tributary waters: RPW-9: 1,790 linear feet 7 - 16 width (ft), 0.45 acres.

∑ Other non-wetland waters: RPW-1: 940 linear feet 33 - 188 width (ft), 1.81 acres.
RPW-2: 80 linear feet 23 - 44 width (ft), 0.07 acres.
RPW-3: 174 linear feet 50 - 82 width (ft), 0.27 acres.
RPW-4: 640 linear feet 117 - 280 width (ft), 0.20 acres.
RPW-5: 243 linear feet 8 - 62 width (ft), 0.20 acres.
RPW-6: 32 linear feet 22 - 26 width (ft), 0.02 acres.
RPW-7: 69 linear feet 12 - 45 width (ft), 0.05 acres.
RPW-8: 375 linear feet 5 - 28 width (ft), 0.10 acres.
RPW-10: 550 linear feet 3 - 5 width (ft), 0.04 acres.

Identify type(s) of waters: Settling ponds (impoundments of jurisdictional waters), streams, and creeks.

3. Non-RPWs³⁵ that flow directly or indirectly into TNWs.

Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):
Tributary waters: acres.

☑ Other non-wetland waters: Non-RPW-1: 1,316 linear feet 3 width (ft), 0.05 acres. Identify type(s) of waters: Ephemeral drainage.

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.

Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:

Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: Wetlands occur along the margins of RPW-1, RPW-2, RPW-4, and RPW-10.

Provide acreage estimates for jurisdictional wetlands in the review area: 0.33 acres.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. Impoundments of jurisdictional waters.³⁶

- As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.
- Demonstrate that impoundment was created from "waters of the U.S.," or
- Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
- Demonstrate that water is isolated with a nexus to commerce (see E below).

³⁵See Footnote # 3.

³⁶ To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):³⁷

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
- from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
- which are or could be used for industrial purposes by industries in interstate commerce.
- ☐ Interstate isolated waters. Explain:
- Other factors. Explain:

Identify water body and summarize rationale supporting determination:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- ☐ If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
 - Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based <u>solely</u> on the "Migratory Bird Rule" (MBR).
- Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: The isolated wetland was excavated in and drains only uplands, and has no connection to TNWs.
- Other: (explain, if not covered above):

Provide acreage estimates for non-jurisdictional waters in the review area, where the <u>sole</u> potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: . List type of aquatic resource: .
- Wetlands: .

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: . List type of aquatic resource: .

Wetlands: 0.03 acres. List type of aquatic resource: Man-made basin created in and draining only uplands without direct or indirect connection to a TNW.

SECTION IV: DATA SOURCES.

A.	SUPPORTING DATA.	Data reviewed for	JD (check all that apply	- checked items shall	be included in c	ase file and,	where checked
	and requested, appropri	ately reference sourc	es below):				

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps:
- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas:
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Cupertino, 1:24,000.
- USDA Natural Resources Conservation Service Soil Survey. Citation: Santa Clara County, Western Part.
- National wetlands inventory map(s). Cite name:
- State/Local wetland inventory map(s):
- FEMA/FIRM maps:
- 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): NAIP (6/2016).
 - or 🗌 Other (Name & Date):
- Previous determination(s). File no. and date of response letter:

³⁷ Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA *Memorandum Regarding CWA Act Jurisdiction Following Rapanos*.



Applicable/supporting case law:
 Applicable/supporting scientific literature:
 Other information (please specify):

.

.

B. ADDITIONAL COMMENTS TO SUPPORT JD:



This page intentionally left blank



APPENDIX C REPRESENTATIVE PHOTOS



Data Point 1



Data Point 2

LSA

SOURCE: LSA (10/17).



Data Point 1A



Data Point 2A

APPENDIX C PAGE 1 OF 10

Stevens Creek Quarry Santa Clara County, California LSA Project No. MIT1701

Representative Photos







LSA







Data Point 4A

APPENDIX C PAGE 2 OF 10

Stevens Creek Quarry Santa Clara County, California LSA Project No. MIT1701 **Representative Photos**

SOURCE: LSA (10/17).







Data Point 5

LSA



Data Point 4C



Data Point 5A

APPENDIX C PAGE 3 OF 10

Stevens Creek Quarry Santa Clara County, California LSA Project No. MIT1701 Representative Photos

SOURCE: LSA (10/17).











SOURCE: LSA (10/17).



Data Point 6A



Data Point 7A

APPENDIX C PAGE 4 OF 10

Stevens Creek Quarry Santa Clara County, California LSA Project No. MIT1701

Representative Photos







Data Point 9

LSA



Data Point 8A



Data Point 9A

APPENDIX C PAGE 5 OF 10

Stevens Creek Quarry Santa Clara County, California LSA Project No. MIT1701 Representative Photos

SOURCE: LSA (10/17).



Data Point 10

LSA

SOURCE: LSA (10/17).



RPW-1, First settling pond looking east, towards dam.



Data Point 10A



RPW-2, Second settling pond looking west.

APPENDIX C PAGE 6 OF 10

Stevens Creek Quarry Santa Clara County, California LSA Project No. MIT1701

Representative Photos



RPW-4, Intermittent drainage. Concrete spillway draining settling ponds into RPW-9.





RPW-3, Third settling pond looking northwest. Culverts drain RPW-2 into RPW-3 seasonally.



RPW-4, Fourth settling pond looking northwest from dam.

APPENDIX C PAGE 7 OF 10

Stevens Creek Quarry Santa Clara County, California LSA Project No. MIT1701 Representative Photos

SOURCE: LSA (10/17).



Non-RPW-1, Concrete lined ephermeral drainage looking southeast.



Isolated wetland southeast of RPW-4, no significant nexus to TNWs.



RPW-5, Small dammed basins cascading into settling pond, looking northwest.



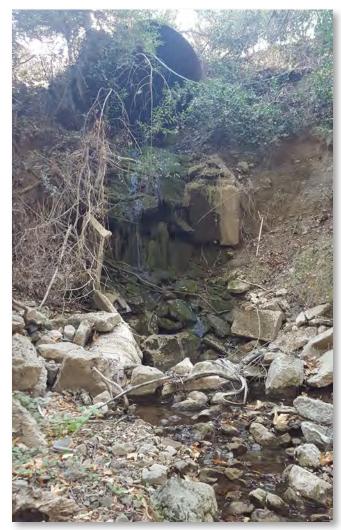
RPW-6, Small settling pond at edge of quarry office parking area, looking north.

APPENDIX C PAGE 8 OF 10

Stevens Creek Quarry Santa Clara County, California LSA Project No. MIT1701 Representative Photos

SOURCE: LSA (10/17).

LSA



RPW-9, Upper extent of Swiss Creek within review area.





RPW-7, Settling pond near quarry office, looking northeast.

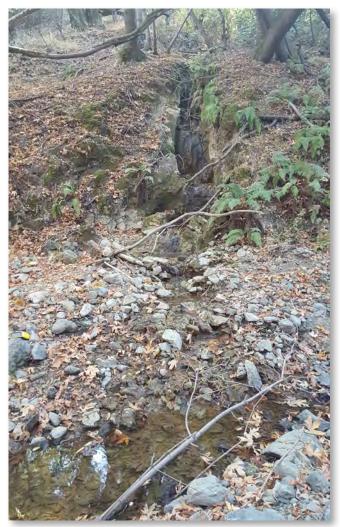


RPW-8, Unnamed intermittent stream looking west.

APPENDIX C PAGE 9 OF 10

Stevens Creek Quarry Santa Clara County, California LSA Project No. MIT1701 Representative Photos

SOURCE: LSA (10/17).



RPW-10, Montebello Creek joining Swiss Creek.



SOURCE: LSA (10/17).

APPENDIX C PAGE 10 OF 10

Stevens Creek Quarry Santa Clara County, California LSA Project No. MIT1701

Representative Photos