


2020 Vernal Pool Habitat Conservation
Plan Management and Monitoring
Annual Report

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1. Overview

1.1 Overview of Vernal Pool Habitat Conservation Plan and Vernal Pool Management and Monitoring Plan

In January 2018, the City of San Diego's (City) Vernal Pool Habitat Conservation Plan (VPHCP) (2019) was approved. The VPHCP is a framework that provides effective guidance on protection, enhancement, and restoration of vernal pool resources across the VPHCP Plan Area (Figure 1.1-1). As illustrated in Figure 1.1-1, the VPHCP Plan Area represents City-jurisdiction lands and generally spans from Lake Hodges in the north to Otay Mesa in the south (refer to Chapter 2.1 of the VCHCP for further detail regarding the VPHCP Plan Area).

Management and monitoring activities detailed in the VPHCP and Vernal Pool Management and Monitoring Plan (VPMMP) (2020) are designed to support Conservation Goals consistent with the United States Fish and Wildlife Service (USFWS) (1998) Recovery Plan for Vernal Pools of southern California (refer to Chapter 5.0 of the VPHCP for further details regarding Conservation Goals). The following five plant species and two crustacean (shrimp) species are included as Covered Species¹, in addition to their associated habitat (vernal pools):

- Otay Mesa mint (*Pogogyne nudiuscula*, PONU) – FE, CE;
- San Diego mesa mint (*Pogogyne abramsii*, POAB) – FE, CA;
- Spreading navarretia (*Navarretia fossalis*, NAFO) – FT;
- San Diego button-celery (*Eryngium aristulatum* var. *parishii*, ERAR) – FE, CE;
- California Orcutt grass (*Orcuttia californica*, ORCA) – FE, CE;
- Riverside fairy shrimp (*Streptocephalus woottoni*, RFS) – FE; and
- San Diego fairy shrimp (*Branchinecta sandiegonensis*, SDFS) – FE.

The VPHCP conservation goals for the seven Covered Species are intended to provide habitat-specific and species-specific objectives that meet or exceed the City's Multiple Species Conservation Program (MSCP) requirements.

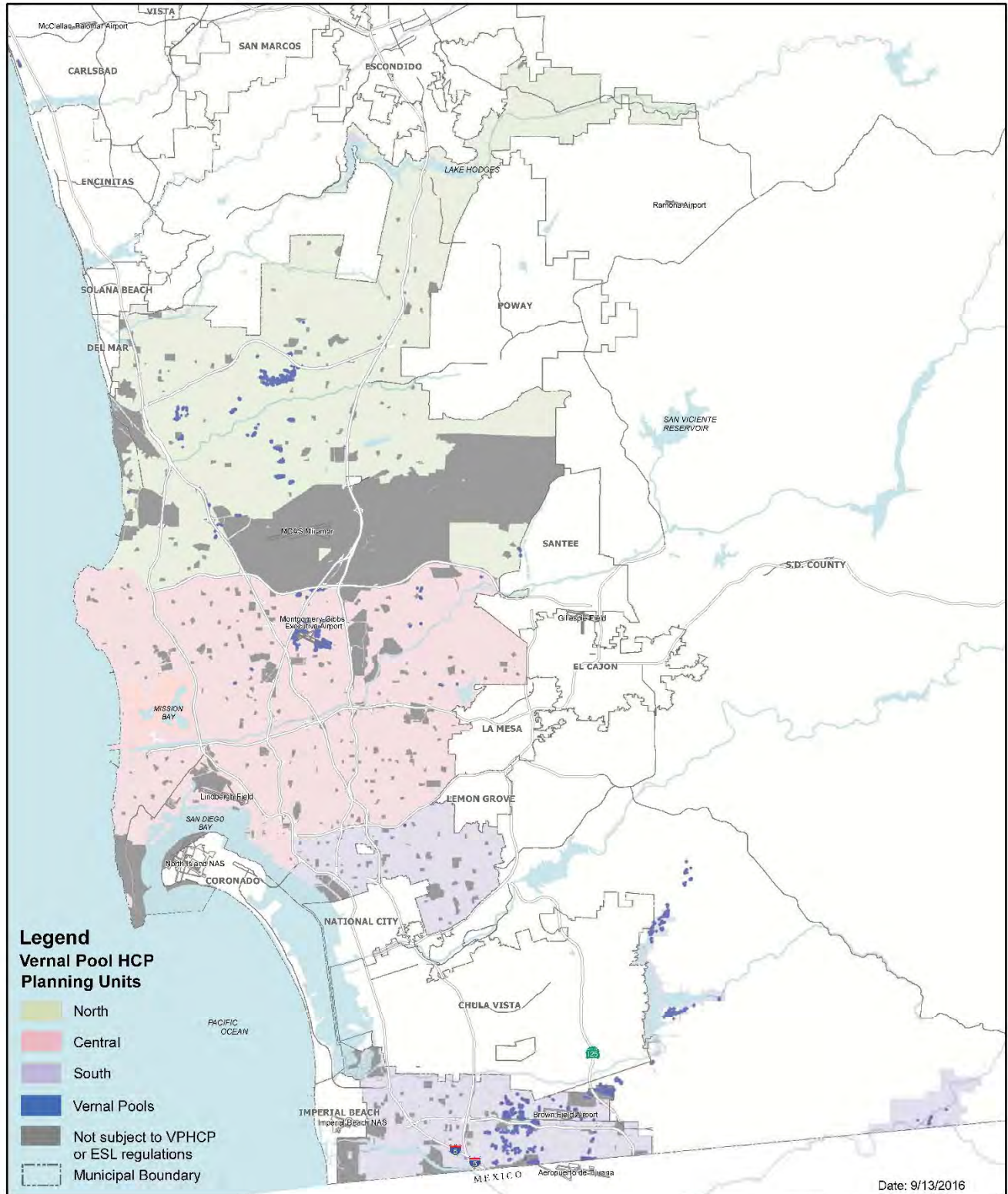
The VPHCP's accompanying VPMMP outlines adaptive monitoring and management strategies to be applied to individual vernal pool complexes². Appendix A of this 2020 management and monitoring annual report (2020 Annual Report) includes a list of each vernal pool complex covered under the VPHCP. The City is responsible for adhering to management and monitoring activities outlined in the VPMMP and VPHCP, and reporting on those activities annually to USFWS and California Department of Fish and Wildlife (collectively, the Wildlife Agencies).

1.2 Reporting Requirements

The City is responsible for implementing management activities, collecting and analyzing data, tracking take, and providing an annual summary to the Wildlife Agencies (refer to Chapter 5.0 of the VPMMP for further details regarding data collection, analysis, and reporting). This 2020 Annual Report fulfills the City's annual VPHCP reporting requirements for the 2020 fiscal year (July 01, 2019 through June 30, 2020).

¹ Covered status for each of the species is defined as follows: FE = federally endangered, FT = federally threatened, CE = California state endangered

² A vernal pool complex is defined as a collection of vernal pools that occur in proximity, on the same soil series and are typically biogeographically and hydrologically connected (City 2019).



Note:
 Vernal pool symbols on this map have been enlarged to help identify their locations and are not to scale and do not represent the exact limits of the vernal pool basins.



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**Figure 1.1-1
 Vernal Pool HCP
 Plan Area**

1.3 Management and Monitoring Requirements

The City is responsible for implementing management and monitoring under the VPHCP for vernal pool complexes on City-owned lands (see the yellow sites in Appendix A). The approach to vernal pool complex management and monitoring is based on a tiered three-level assignment tied to the VPMMP standards (refer to Chapter 2 and Chapter 4 of the VPMMP for further details regarding VPMMP standards and VPHCP monitoring and management strategy, respectively). Monitoring methods, sampling design, and management activities are directly tied to the VPMMP standards that guide management level designation for vernal pool complexes. The three-tiered management level approach is based on the condition of each vernal pool complex as determined during development of the VPHCP. Changes in management level are triggered by changes in the following categories: focal plant species cover, covered shrimp species cover, average weed cover, and hydrologic function. Figure 1.3-1 illustrates the relationship between management level and the VPMMP standards. Management activities based on management level are detailed in Table 4-6 of the VPMMP.

Per the VPHCP, 3 years of data collection during adequate rainfall years (at least 55 percent [%] of average total rainfall) are required to provide an analysis that would identify triggers in change of management level of an individual complex. Because 2020 is the second year of VPHCP implementation, it is anticipated that a management level analysis will be performed for Years 1 through 3 and included in the 2021 Annual Report (pending sufficient rainfall). If results trigger a change in management level for a vernal pool complex, the City will revise the VPMMP to include updated maintenance and monitoring requirements for the new management level. Section 2.1.2 of this 2020 Annual Report provides an analysis of precipitation during 2019 and 2020 in relation to management and monitoring levels.

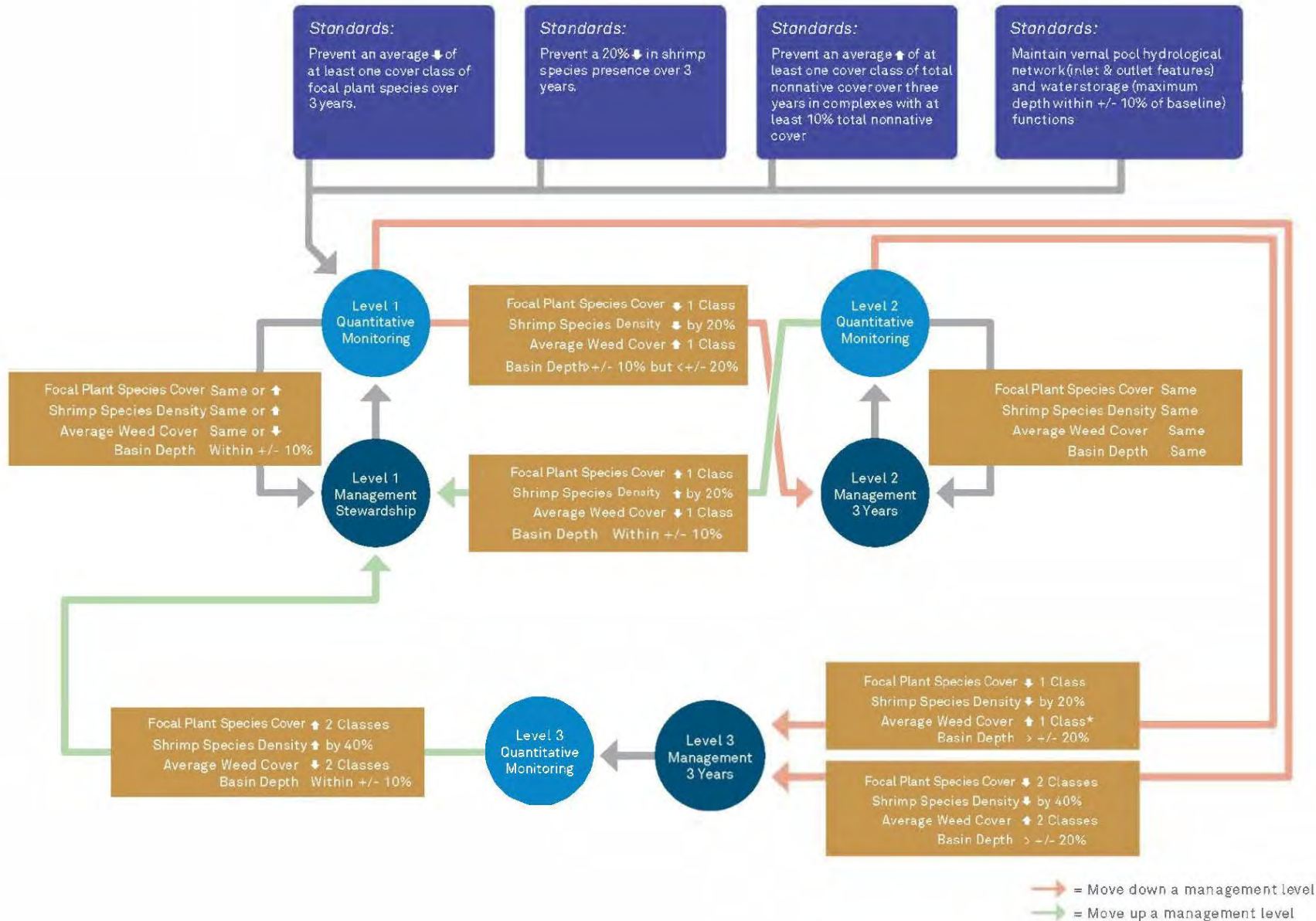
1.4 Private Property Reporting

In addition to the City's obligation to perform management and monitoring for vernal pool complexes on City-owned lands within the VPHCP Plan Area, the City is also responsible for enforcing management and monitoring of vernal pool complexes on privately owned lands that are covered under the VPHCP (see the orange sites on Appendix A). Since private projects listed in Appendix A were approved prior to development of the VPHCP, private projects approved, and ensuing VPHCP adoption will develop and follow a standardized reporting method. This 2020 Annual Report includes a summary of VPHCP reporting for private properties that are subject to the VPHCP. Section 2.2 of this 2020 Annual Report discusses further details regarding management and monitoring for private properties.

1.5 Take Tracking

The USFWS Section 10 Incidental Take Permit (ITP) issued to the City for the VPHCP requires tracking of take associated with Covered Projects and Covered Activities under the VPHCP. It is the City's responsibility to track incidental take associated with Covered Projects and Covered Activities on both City-owned and private lands. In addition, the ITP allows extension of authorized take outside of City-jurisdiction property through a Certificate of Inclusion that can be issued to private property owners. Private property owners covered by the ITP are required to satisfy management and monitoring standards outlined in the VPHCP. Section 2.3 of this 2020 Annual Report details a running total of take across VPHCP-covered projects.

Figure 1.3-1. VPHCP Monitoring and Management Level Flow Chart



2. Reporting Summary

2.1 City Monitoring and Management

2.1.1 Qualitative Monitoring and Management Activities

Methods

During the reporting period, the City performed annual qualitative monitoring within all City-owned vernal pool complexes listed in the VPHCP, regardless of management level. The purpose of qualitative monitoring is to generate management recommendations that can be planned and conducted within an appropriate and feasible timeframe. Qualitative visit assessments are designed to evaluate overall disturbance of each complex and capture the following conditions and threats: fencing and signage, edge effects, fire and fire suppression, trespassing, topographic disturbance, invasive species, inundation, fairy shrimp presence, and other incidental sightings (refer to Chapter 4.1.3 in the VPMMP for further details regarding monitoring methods). Within City-owned vernal pool complexes, qualitative monitoring visits were recorded digitally through a data collection mobile application, Survey123. Similarly, and in response to qualitative monitoring recommendations, management activities were also recorded with the Survey123 form.

Results

Qualitative monitoring for the City-owned vernal pool complexes was generally conducted during the winter and spring months (February through May) of 2020. Management activities were conducted throughout the fiscal year, as feasible and in response to level of urgency (as determined by monitoring assessments). Results of monitoring and management activities are summarized in Table 2-1. Table 2-1 also includes newly observed vernal pools and complexes not recorded in the VPHCP; these pools are prefixed with “NEW” in the complex name and/or vernal pool identification. Appendix B-1 of this 2020 Annual Report includes datasheets detailing complex-specific monitoring and management information; Appendix C-1 includes photos taken during management visits and depict activities such as weed control, fencing repair, and trash pickup.

2.1.2 Quantitative Monitoring and Management Level Assessment

Methods

Quantitative monitoring for vernal pool complexes includes assessments of the five covered plant species and two covered shrimp species. Monitoring requirements and sample size are based on management level assignment for each vernal pool complex, with greater level of effort associated with higher management levels. Monitoring of floral components within vernal pools includes quantitative data collection of nonnative and native species cover, including covered plant species. Cover estimates are based on the California Native Plant Society plant cover methodology and collected from pool margins to avoid disturbance. Additionally, cover estimates for native and nonnative species collected for vernal pool basins, includes a 6-meter buffer surrounding the individual surveyed basins. Quantitative monitoring results were recorded digitally through Survey123.

To monitor covered shrimp species, wet season and/or dry season sampling is used to estimate population density; these estimates are tracked over time to track changes in population size at sampled vernal pools (refer to Chapter 4.1.4 of the VPMMP for further details regarding quantitative monitoring methods for covered plant species and covered shrimp species).

Table 2-1. Qualitative Monitoring and Management Events for City of San Diego-managed Vernal Pool Complexes

Mgmt. Level	Planning Unit	Complex Series	Vernal Pool Complex Name ¹	Qualitative Monitoring Events Occurred ^{2,3}	Management Events Occurred ³
Level 1	North	H 38	Carmel Mountain	Yes	Yes
		D 5-8	Carroll Canyon/Parkdale Carroll Canyon	Yes	Yes
		B 7-8	Crescent Heights**	Yes	Yes
		H 1-10, 13-15, 18-26	Del Mar Mesa (City)	Yes	Yes
		H 39	Greystone Torrey Highlands	Yes	Yes
		B 7-8	Lopez Ridge (City)	Yes	No
		I 12	Pueblo Lands (South)	Yes	No
	Central	Q 2	Mission Trails Regional Park	Yes	No
		N 5-6	Montgomery Field*	Yes	Yes
		KK 2	Pasatiempo	Yes	Yes
		N 7	Serra Mesa Library	Yes	Yes
	South	J 14	Anderprises (City)	Yes	No
		J 2	Cal Terraces (North) (City), Otay Mesa Road Parcels	Yes	Yes
		J 14	Cal Terraces (South)	Yes	Yes
		J 2	Clayton Parcel	Yes	Yes
		J 16-18	Goat Mesa (City)	Yes	Yes
		J 31	Hidden Trails	Yes	Yes
		MM 1	Marron Valley	Yes	No
		X 5	Nobel Drive	Yes	No
		K 5	Otay Lakes	Yes	No
R 1		Proctor Valley	Yes	Yes	
J 32		West Otay B	Yes	Yes	
J 32		West Otay C	Yes	No	
J 16-18		Wruck Canyon	Yes	Yes	
Level 2	Central	U 15	SANDER	Yes	Yes
	South	J 4-5	Robinhood Ridge	Yes	Yes
Level 3	South	J 35	Brown Field*	Yes	No
		J 13 N	South Otay 1 acre (City)	Yes	Yes
N/A	North	N/A	NEW: Dormouse	Yes	No
	Central	N/A	NEW: Calle de Vida	Yes	Yes
	South	N/A	NEW: Seabird Way	Yes	No

¹ Cross (+) indicates that vernal pool complex performs under site-specific restoration plan or management plan (refer to Appendix B of the VPMMP for further details); “NEW” indicates that vernal pool complex was not captured during VPHCP implementation, therefore is not assigned to a management level nor complex series; double asterisk (**) indicates vernal pool complex is under ownership of Tripoint.

² Per VPMMP, all levels require three visits to occur annually during the wet season;

³ Details regarding monitoring observations and management activities are provided in Appendix B-1. Of note, health guidelines outlined during the COVID-19 pandemic restricted the number of management events that were feasible to implement during the overlapping portion of fiscal year 2020.

Results

Quantitative monitoring for City-owned vernal pool complexes was generally conducted during the spring months (February through May) of 2020. Vernal pool-specific monitoring datasheets are attached as Appendix B-2 and include comprehensive floral inventories and cover estimates for each surveyed vernal pool. A summary of vernal pool sampling size and individual vernal pool selection within each vernal pool complex is detailed in Table 2-2. Generally, pools were selected according to management level requirements and based on baseline conditions. Table 2-3 summarizes cover class estimates for each focal species recorded and average nonnative species cover. Newly observed vernal pools and complexes included in Table 2-1 did not receive quantitative monitoring and are, therefore, not included in

Table 2-2. Quantitative Monitoring Basins for City of San Diego-managed Vernal Pool Complexes by Management Level

Mgmt. Level	Planning Unit ¹	Vernal Pool Complex Name - Complex Series Vernal Pool ID ¹	Total Number of Conserved Pools within Complex ²	Total Number of Conserved Pools Occupied by Focal Species ² (Sample Size) ³ ✓ = Presence of Focal Species ⁴						
				PONU	POAB	NAFO	ERAR	ORCA	RSF	SDFS
Level 1	North*	Carroll Canyon/Parkdale Carroll Canyon – D 5-8	123	0 (0)	42 (6)	1 (1)	65 (7)	0 (0)	0 (0)	5 (3)
		Pool 1077		-	✓	✓	✓	-	-	-
		Pool 1092		-	✓	-	✓	-	-	✓
		Pool 1096		-	✓	-	✓	-	-	-
		Pool 1109		-	✓	-	✓	-	-	✓
		Pool 1740		-	✓	-	✓	-	-	-
		Pool 1743		-	-	-	✓	-	-	-
		Pool 1746		-	✓	-	✓	-	-	✓
		Del Mar Mesa (City) - H 1-10, 13-15, 18-26	92	0 (0)	3 (1)	0 (0)	49 (5)	0 (0)	0 (0)	8 (0)
		Pool 1255		-	-	-	✓	-	-	-
		Pool 1260		-	-	-	✓	-	-	-
		Pool 1264		-	-	-	✓	-	-	-
		Pool 1272		-	-	-	✓	-	-	-
		Pool 1842		-	✓	-	-	-	-	-
		Pool 2468		-	-	-	✓	-	-	-
		Greystone Torrey Highlands – H 39	19	0 (0)	5 (1)	0 (0)	3 (1)	0 (0)	0 (0)	0 (0)
		Pool 1177		-	✓	-	✓	-	-	-
		Lopez Ridge (City) – B 7-8	10	0 (0)	10 (2)	0 (0)	1 (1)	0 (0)	0 (0)	2 (0)
		Pool 706		-	✓	-	✓	-	-	-
	Pool 712		-	✓	-	-	-	-	-	
	Central*	Montgomery Field – N 5-6	333	0 (0)	129 (13)	0 (0)	0 (0)	0 (0)	0 (0)	45 (2)
		Pool 4256		-	✓	-	-	-	-	✓
		Pool 4596		-	✓	-	-	-	-	✓
Pool 5352			-	✓	-	-	-	-	-	
Pool 5355			-	✓	-	-	-	-	-	
Pool 5356			-	✓	-	-	-	-	-	
Pool 5358			-	✓	-	-	-	-	-	
Pool 5363			-	✓	-	-	-	-	-	
Pool 5369		-	✓	-	-	-	-	-		

Mgmt. Level	Planning Unit ¹	Vernal Pool Complex Name - Complex Series Vernal Pool ID ¹	Total Number of Conserved Pools within Complex ²	Total Number of Conserved Pools Occupied by Focal Species ² (Sample Size) ³ ✓ = Presence of Focal Species ⁴						
				PONU	POAB	NAFO	ERAR	ORCA	RSF	SDFS
		Pool 5371		-	✓	-	-	-	-	-
		Pool 5388		-	✓	-	-	-	-	-
		Pool 5423		-	✓	-	-	-	-	-
		Pool 6351		-	✓	-	-	-	-	-
		Pool 6384		-	✓	-	-	-	-	-
		Cal Terraces (North) (City), Otay Mesa Road Parcels –J2	304	286 (29)	0 (0)	79 (12)	275 (29)	52 (10)	93 (-)	209 (-)
		Pool 42**		✓	-	✓	✓	-	-	✓
		Pool 51**		✓	-	✓	✓	✓	-	✓
		Pool 67		✓	-	-	✓	-	-	-
		Pool 78		✓	-	-	✓	✓	✓	✓
		Pool 89		✓	-	-	✓	-	-	✓
		Pool 96		✓	-	✓	✓	-	-	✓
		Pool 100		✓	-	✓	✓	-	-	✓
		Pool 295		✓	-	-	✓	-	-	✓
		Pool 301		✓	-	-	✓	-	✓	✓
		Pool 445		✓	-	-	✓	-	✓	✓
		Pool 447		✓	-	✓	✓	-	-	✓
		Pool 449		✓	-	-	✓	-	-	✓
		Pool 450		✓	-	-	✓	-	-	-
		Pool 451		✓	-	-	✓	-	✓	✓
		Pool 452		✓	-	-	✓	-	✓	✓
		Pool 459		✓	-	✓	✓	-	✓	✓
		Pool 464		✓	-	-	✓	-	✓	-
		Pool 471		✓	-	✓	✓	✓	✓	✓
		Pool 473		✓	-	✓	✓	-	✓	✓
		Pool 483		✓	-	-	✓	✓	-	✓
		Pool 484		✓	-	-	✓	✓	✓	✓
		Pool 490		✓	-	✓	✓	✓	✓	✓
		Pool 502		✓	-	✓	✓	✓	✓	✓
		Pool 509		✓	-	✓	✓	✓	✓	✓
		Pool 591		✓	-	-	✓	✓	-	✓
		Pool 1310		✓	-	✓	✓	✓	-	✓

Mgmt. Level	Planning Unit ¹	Vernal Pool Complex Name - Complex Series Vernal Pool ID ¹	Total Number of Conserved Pools within Complex ²	Total Number of Conserved Pools Occupied by Focal Species ² (Sample Size) ³ ✓ = Presence of Focal Species ⁴						
				PONU	POAB	NAFO	ERAR	ORCA	RSF	SDFS
		Pool 1321		✓	-	-	✓	-	✓	✓
		Pool 1713		✓	-	-	✓	-	✓	✓
		Pool 1724		✓	-	-	✓	-	✓	✓
		Cal Terraces (South) – J 14	73	63 (7)	0 (0)	6 (1)	55 (7)	5 (1)	26 (-)	32 (-)
		Pool 2022		✓	-	-	✓	-	✓	✓
		Pool 2025		✓	-	✓	✓	-	✓	✓
		Pool 2039		✓	-	-	✓	-	✓	✓
		Pool 2043		✓	-	-	✓	✓	✓	✓
		Pool 2044		✓	-	-	✓	-	✓	✓
		Pool 2185		✓	-	-	✓	-	✓	✓
		Pool 2189		✓	-	-	✓	-	-	✓
		Nobel Drive – X 5	12	0 (0)	0 (0)	1 (1)	0 (0)	0 (0)	0 (-)	7 (-)
		Pool 666		-	-	✓	-	-	-	✓
		Clayton Parcel – J 2	35	0 (0)	0 (0)	0 (0)	1 (1)	0 (0)	0 (-)	2 (-)
		Pool 876		-	-	-	✓	-	-	-
		Goat Mesa – J 16-18	16	0 (0)	0 (0)	0 (0)	4 (2)	0 (0)	1 (-)	0 (-)
		Pool 1141		-	-	-	✓	-	-	-
		Pool 1142		-	-	-	-	-	-	-
		Pool 1189		-	-	-	-	-	-	-
		Pool 1775		-	-	-	-	-	-	-
		Pool 1920		-	-	-	-	-	-	-
		Pool 2642		-	-	-	✓	-	✓	-
		Otay Lakes – K 5	85	0 (0)	0 (0)	2 (1)	46 (5)	0 (0)	0 (-)	6 (-)
		Pool 208		-	-	-	✓	-	-	-
		Pool 656		-	-	-	✓	-	-	-
		Pool 891		-	-	-	✓	-	-	✓
		Pool 892		-	-	✓	✓	-	-	✓
		Pool 1801		-	-	-	✓	-	-	-
		West Otay C – J 32	7	0 (0)	0 (0)	0 (0)	1 (1)	0 (0)	0 (-)	0 (-)
		Pool 1545		-	-	-	✓	-	-	-
Robinhood Ridge – J 4-5	83	19 (19)	0 (0)	4 (4)	46 (46)	0 (0)	6 (-)	41 (-)		
Level 2	South*	Pool 1577		-	-	-	✓	-	-	
		Pool 1580		-	-	-	✓	-	-	
		Pool 1595		-	-	-	✓	-	✓	

Mgmt. Level	Planning Unit ¹	Vernal Pool Complex Name - Complex Series Vernal Pool ID ¹	Total Number of Conserved Pools within Complex ²	Total Number of Conserved Pools Occupied by Focal Species ² (Sample Size) ³ ✓ = Presence of Focal Species ⁴						
				PONU	POAB	NAFO	ERAR	ORCA	RSF	SDFS
						Pool 1596	-	-	-	✓
		Pool 1598	-	-	-	✓	-	-	✓	
		Pool 1599	-	-	-	✓	-	-	✓	
		Pool 1600	-	-	-	✓	-	-	✓	
		Pool 1601	-	-	-	✓	-	-	-	
		Pool 1602	✓	-	-	✓	-	-	✓	
		Pool 1603	-	-	-	✓	-	-	-	
		Pool 1604	-	-	-	✓	-	✓	✓	
		Pool 1606	-	-	-	✓	-	-	-	
		Pool 1607	-	-	-	✓	-	-	✓	
		Pool 1608	✓	-	-	✓	-	-	✓	
		Pool 1609	-	-	-	✓	-	-	-	
		Pool 1666	-	-	-	✓	-	✓	✓	
		Pool 1667	-	-	-	✓	-	-	-	
		Pool 1668	✓	-	✓	✓	-	-	✓	
		Pool 1669	-	-	-	✓	-	-	✓	
		Pool 1670	✓	-	-	✓	-	-	✓	
		Pool 1671	✓	-	-	✓	-	-	-	
		Pool 1672	-	-	-	✓	-	-	-	
		Pool 1673	-	-	-	✓	-	-	✓	
		Pool 1675	-	-	-	✓	-	-	✓	
		Pool 1676	-	-	-	✓	-	-	✓	
		Pool 1677	-	-	-	✓	-	-	✓	
		Pool 1678	-	-	-	✓	-	-	-	
		Pool 1679	-	-	-	✓	-	✓	✓	
		Pool 1684	✓	-	-	✓	-	✓	✓	
		Pool 1685	-	-	-	✓	-	-	-	
		Pool 1688	✓	-	-	✓	-	-	✓	
		Pool 1689	✓	-	-	✓	-	-	✓	
		Pool 1691	-	-	-	✓	-	-	✓	
		Pool 1692	-	-	-	✓	-	✓	✓	
		Pool 1693	-	-	-	✓	-	-	✓	
		Pool 1694	-	-	-	✓	-	-	-	

Mgmt. Level	Planning Unit ¹	Vernal Pool Complex Name - Complex Series Vernal Pool ID ¹	Total Number of Conserved Pools within Complex ²	Total Number of Conserved Pools Occupied by Focal Species ² (Sample Size) ³ ✓ = Presence of Focal Species ⁴						
				PONU	POAB	NAFO	ERAR	ORCA	RSF	SDFS
		Pool 1696		✓	-	-	✓	-	-	✓
		Pool 1697		✓	-	✓	✓	-	-	✓
		Pool 1698		✓	-	-	✓	-	-	✓
		Pool 1699		✓	-	-	✓	-	-	-
		Pool 1700		✓	-	✓	✓	-	-	✓
		Pool 1701		-	-	-	✓	-	-	✓
		Pool 1702		✓	-	-	✓	-	-	✓
		Pool 1703		✓	-	-	-	-	-	-
		Pool 1705		✓	-	-	-	-	✓	✓
		Pool 1706		✓	-	-	-	-	-	✓
		Pool 1708		✓	-	-	✓	-	-	✓
		Pool 1709		-	-	-	✓	-	-	✓
		Pool 1710		✓	-	✓	✓	-	-	✓
Level 3	South*	South Otay 1 acre (City) – J 13 N	17	0 (0)	0 (0)	1 (1)	1 (1)	1 (1)	0 (-)	0 (-)
		Pool 1235		-	-	✓	-	✓	-	-
		Pool 2339		-	-	-	✓	-	-	-

¹ Asterisk (*) indicates rainfall within planning unit during reporting period is adequate for VPMMP standards assessment (55% of average rainfall); double asterisk (**) in vernal pool ID indicates vernal pool is under ownership of Tripoint.

² Based on existing management and monitoring levels developed during baseline surveys.

³ Per VPMMP, sample size for covered plant species is based on management and monitoring levels; Level 1: 10% of occupied pools in each complex OR if complex has <10 pools for each covered plant species, survey at least one pool for each covered plant species known to occur, Level 2 and 3: All pools in complex with covered plant species.

⁴Species acronyms are defined as follows: ERAR = *Eryngium aristulatum* var. *parishii*, NAFO = *Navarretia fossalis*, ORCA = *Orcuttia californica*, POAB = *Pogogyne abramsii*, PONU = *Pogogyne nudiuscula*, RSF = Riverside fairy shrimp, SDFS = San Diego fairy shrimp.

Table 2-3. Focal Plant Species Cover Classes and Fairy Shrimp Density

Mgmt. Level	Planning Unit ¹	Vernal Pool Complex Name - Complex Series Vernal Pool ID ¹	Focal Plant Species Cover Classes ²					Fairy Shrimp Density ^{2,3}		Nonnative Species Cover Class	Topographic Disturbance Assessment Conducted ²	
			PONU	POAB	NAFO	ERAR	ORCA	RSF	SDFS			
Cover classes are adapted from California Native Plant Society (CNPS) plant cover methodology and are defined as a range of estimated percentage of plant cover. The cover classes are as follows: 1 = <1%, 2 = >1–5%, 3 = >5–10%, 4 = >10–25%, 5 = >25– 50%, 6 = >50–75%, and 7 = >75%.												
Level 1	North*	Carroll Canyon/Parkdale Carroll Canyon - D 5-8										
		Pool 1077	-	1	1	3	-	-	-	1	-	
		Pool 1092	-	2	1	2	-	-	-	1	-	
		Pool 1096	-	3	-	3	-	-	-	1	-	
		Pool 1109	-	2	-	3	-	-	-	2	-	
		Pool 1740	-	4	-	4	-	-	-	1	-	
		Pool 1743	-	-	-	4	-	-	-	2	-	
		Pool 1746	-	1	-	4	-	-	-	1	-	
		Del Mar Mesa (City) - H 1-10, 13-15, 18-26										
		Pool 1255	-	-	-	3	-	-	-	1	-	
		Pool 1260	-	1	1	3	-	-	-	1	-	
		Pool 1264	-	-	-	2	-	-	-	1	-	
		Pool 1272	-	-	-	3	-	-	-	1	-	
		Pool 1842	-	3	-	1	-	-	-	1	-	
		Pool 2468	-	-	-	1	-	-	-	1	-	
		Greystone Torrey Highlands - H 39										
	Pool 1177	-	2	-	2	-	-	-	2	-		
	Lopez Ridge (City) - B 7-8											
	Pool 706	-	2	-	-	-	-	-	1	-		
	Pool 712	-	3	-	-	-	-	-	1	-		
	Central*	Montgomery Field - N 5-6										
		Pool 4256	-	1	-	-	-	-	-	1	-	
		Pool 4596	-	2	-	-	-	-	-	1	-	
		Pool 5352	-	1	-	-	-	-	-	1	-	
		Pool 5355	-	1	-	-	-	-	-	1	-	
		Pool 5356	-	2	-	-	-	-	-	1	-	
		Pool 5358	-	1	-	-	-	-	-	1	-	
		Pool 5363	-	1	-	-	-	-	-	2	-	
		Pool 5369	-	1	-	-	-	-	-	1	-	
		Pool 5371	-	1	-	-	-	-	-	1	-	
		Pool 5388	-	1	-	-	-	-	-	1	-	
		Pool 5423	-	1	-	-	-	-	-	1	-	
Pool 6351		-	1	-	-	-	-	-	1	-		
Pool 6384		-	1	-	-	-	-	-	1	-		
South*	Cal Terraces (North) (City), Otay Mesa Road Parcels - J 2											

Mgmt. Level	Planning Unit ¹	Vernal Pool Complex Name - Complex Series Vernal Pool ID ¹	Focal Plant Species Cover Classes ²					Fairy Shrimp Density ^{2, 3}		Nonnative Species Cover Class	Topographic Disturbance Assessment Conducted ²
			PONU	POAB	NAFO	ERAR	ORCA	RSF	SDFS		
		Pool 42	-	-	1	2	-	-	-	1	-
		Pool 51**	1	-	1	1	-	-	-	1	-
		Pool 67	1	-	-	1	-	-	-	1	-
		Pool 78	1	-	-	2	1	-	-	1	-
		Pool 89	3	-	-	2	-	-	-	1	-
		Pool 96	-	-	-	3	-	-	-	1	-
		Pool 100	1	-	-	3	-	-	-	1	-
		Pool 295	-	-	-	3	-	-	-	1	-
		Pool 301	2	-	-	1	-	-	-	1	-
		Pool 445	3	-	-	2	1	-	-	1	-
		Pool 447	-	-	-	2	-	-	-	1	-
		Pool 449	2	-	-	1	-	-	-	1	-
		Pool 450	1	-	-	3	-	-	-	1	-
		Pool 451	1	-	-	1	-	-	-	1	-
		Pool 452	1	-	-	3	-	-	-	1	-
		Pool 459	1	-	-	2	-	-	-	1	-
		Pool 464	1	-	-	1	-	-	-	2	-
		Pool 471	1	-	1	2	-	-	-	1	-
		Pool 473	1	-	1	3	-	-	-	1	-
		Pool 483	-	-	-	4	1	-	-	1	-
		Pool 484	1	-	-	2	1	-	-	1	-
		Pool 490	1	-	-	2	2	-	-	1	-
		Pool 502	1	-	1	1	-	-	-	1	-
		Pool 509	1	-	1	1	3	-	-	1	-
		Pool 591	1	-	-	2	3	-	-	1	-
		Pool 1310	2	-	1	3	1	-	-	1	-
		Pool 1321	2	-	-	1	-	-	-	1	-
		Pool 1713	1	-	-	4	-	-	-	1	-
		Pool 1724	-	-	-	1	-	-	-	1	-
		Cal Terraces (South) - J 14									
		Pool 2022	-	-	-	2	-	-	-	1	-
		Pool 2025	1	-	-	1	-	-	-	2	-
		Pool 2039	2	-	1	2	-	-	-	1	-
		Pool 2043	-	-	-	1	-	-	-	1	-
		Pool 2044	1	-	-	2	-	-	-	1	-
		Pool 2185	3	-	-	1	-	-	-	1	-
		Pool 2189	1	-	1	1	-	-	-	1	-
		Nobel Drive - X 5									

Mgmt. Level	Planning Unit ¹	Vernal Pool Complex Name - Complex Series Vernal Pool ID ¹	Focal Plant Species Cover Classes ²					Fairy Shrimp Density ^{2, 3}		Nonnative Species Cover Class	Topographic Disturbance Assessment Conducted ²	
			PONU	POAB	NAFO	ERAR	ORCA	RSF	SDFS			
Level 2	South*	Pool 666	-	-	1	-	-	-	-	1	-	
		Clayton Parcel - J 2										
		Pool 876	1	-	-	-	-	-	-	-	3	-
		Goat Mesa - J 16-18										
		Pool 1141	-	-	1	1	-	-	-	-	1	-
		Pool 1142	-	-	1	1	-	-	-	-	1	-
		Pool 1189	-	-	-	1	-	-	-	-	1	-
		Pool 1775	-	-	-	1	-	-	-	-	1	-
		Pool 1920	-	-	-	-	-	-	-	-	1	-
		Pool 2642	-	-	1	3	-	-	-	-	1	-
		Otay Lakes - K 5										
		Pool 208	-	-	-	1	-	-	-	-	2	-
		Pool 656	-	-	-	1	-	-	-	-	2	-
		Pool 891	-	-	-	1	-	-	-	-	1	-
		Pool 892	-	-	-	1	-	-	-	-	1	-
		Pool 1801	-	-	-	1	-	-	-	-	2	-
		West Otay C - J 32										
		Pool 1545	1	-	-	1	-	-	-	-	1	-
		Robinhood Ridge - J 4-5										
		Pool 1577	-	-	-	-	-	-	-	-	1	-
		Pool 1580	-	-	-	1	-	-	-	-	4	-
		Pool 1595	-	-	-	4	-	-	-	-	1	-
		Pool 1596	-	-	-	3	-	-	-	-	1	-
		Pool 1598	-	-	3	-	-	-	-	-	1	-
		Pool 1599	-	-	-	3	-	-	-	-	1	-
		Pool 1600	-	-	-	4	-	-	-	-	1	-
		Pool 1601	-	-	-	4	-	-	-	-	1	-
		Pool 1602	-	-	-	4	-	-	-	-	1	-
Pool 1603	-	-	-	2	-	-	-	-	1	-		
Pool 1604	-	-	-	4	-	-	-	-	2	-		
Pool 1606	-	-	-	3	-	-	-	-	1	-		
Pool 1607	1	-	-	4	-	-	-	-	1	-		
Pool 1608	-	-	-	4	-	-	-	-	1	-		
Pool 1609	-	-	-	4	-	-	-	-	1	-		
Pool 1666	-	-	-	3	-	-	-	-	1	-		
Pool 1667	-	-	-	4	-	-	-	-	1	-		
Pool 1668	1	-	1	4	-	-	-	-	1	-		
Pool 1669	-	-	-	4	-	-	-	-	1	-		
Pool 1670	1	-	-	4	-	-	-	-	1	-		

Mgmt. Level	Planning Unit ¹	Vernal Pool Complex Name - Complex Series Vernal Pool ID ¹	Focal Plant Species Cover Classes ²					Fairy Shrimp Density ^{2, 3}		Nonnative Species Cover Class	Topographic Disturbance Assessment Conducted ²
			PONU	POAB	NAFO	ERAR	ORCA	RSF	SDFS		
		Pool 1671	-	-	-	4	-	-	-	2	-
		Pool 1672	-	-	-	3	-	-	-	2	-
		Pool 1673	-	-	-	3	-	-	-	1	-
		Pool 1675	-	-	-	4	-	-	-	2	-
		Pool 1676	-	-	-	3	-	-	-	1	-
		Pool 1677	-	-	-	3	-	-	-	2	-
		Pool 1678	-	-	-	4	-	-	-	2	-
		Pool 1679	-	-	-	3	-	-	-	2	-
		Pool 1684	-	-	-	4	-	-	-	2	-
		Pool 1685	-	-	-	1	-	-	-	3	-
		Pool 1688	1	-	-	4	-	-	-	1	-
		Pool 1689	-	-	-	4	-	-	-	1	-
		Pool 1691	-	-	-	4	-	-	-	1	-
		Pool 1692	-	-	-	3	-	-	-	1	-
		Pool 1693	-	-	-	3	-	-	-	1	-
		Pool 1694	-	-	-	-	-	-	-	2	-
		Pool 1696	1	-	-	4	-	-	-	2	-
		Pool 1697	-	-	-	4	-	-	-	1	-
		Pool 1698	-	-	-	4	-	-	-	1	-
		Pool 1699	-	-	-	2	-	-	-	2	-
		Pool 1700	1	-	-	2	-	-	-	1	-
		Pool 1701	-	-	-	4	-	-	-	1	-
		Pool 1702	-	-	-	4	-	-	-	2	-
		Pool 1703	-	-	-	-	-	-	-	2	-
		Pool 1705	-	-	-	1	-	-	-	2	-
		Pool 1706	1	-	-	-	-	-	-	1	-
		Pool 1708	1	-	-	-	-	-	-	1	-
		Pool 1709	-	-	-	-	-	-	-	2	-
		Pool 1710	1	-	-	4	-	-	-	1	-
		South Otay 1 acre (City) - J 13 N									
Level 3	South*	Pool 1235	-	-	-	-	-	-	-	4	-
		Pool 2339	-	-	-	1	1	-	-	2	-

¹ Asterisk (*) indicates rainfall within planning unit during reporting period is adequate for VPMMP standards assessment (55% of average rainfall) ; double asterisk (**) in vernal pool ID indicates vernal pool is under ownership of Tripoint.

²Species acronyms are defined as follows: ERAR = *Eryngium aristulatum* var. *parishii*, NAFO = *Navarretia fossalis*, ORCA = *Orcuttia californica*, POAB = *Pogogyne abramsii*, PONU = *Pogogyne nudiuscula*, RSF = Riverside fairy shrimp, SDFS = San Diego fairy shrimp.

³ Fairy shrimp density surveys and topographic disturbance assessments are conducted when warranted by qualitative survey observations, as discussed in the VPMMP.

Tables 2-2 and 2-3; the City is working with the Wildlife Agencies to develop an onboarding process for newly observed vernal pools and vernal complexes into the VPMMP. Quantitative monitoring of covered shrimp species was not warranted based on qualitative assessments and therefore was not conducted during the 2020 fiscal year. Photos of surveyed vernal pool basins were taken during quantitative surveys and are attached as Appendix C-2.

Because 3 years of data for years with at least 55% of average rainfall is not yet available (i.e., 2020 was Year 2 of data collection), Table 2-3 presents data without analysis of management level change. Yearly rainfall is measured from July through June and compared to the historic average total annual rainfall (30 years) of two weather stations: Montgomery Field and Brown Field. Montgomery Field weather station is representative of rainfall across the north and central VPHCP planning units, while Brown Field weather station is representative of rainfall across the south VPHCP planning unit. A management level change analysis will be conducted in the 2021 Annual Report for planning units receiving adequate rainfall (at least 55% of the historic average) across the 3 years of VPHCP implementation (2019 to 2021). For 2019 and 2020, yearly rainfall measurements were within at least 55% of the average rainfall benchmark throughout the north, central, and south planning units: Montgomery Field weather station recorded 12.9³ inches of rainfall and Brown Field recorded 17.5 inches of rainfall in 2020. Shrimp density and average cover of focal and nonnative species from 2020 will be compared to baseline survey conditions in 2021 if the 2021 rainfall is also within the adequate rainfall benchmark. The result of this future analysis may trigger management level changes to individual vernal pool complexes.

Quantitative topographic disturbance assessments (referenced in Table 2-3) were not conducted during the 2020 monitoring period due to the absence of baseline hydrologic data; Section 2.1.3 of this 2020 Annual Report discusses this in further detail in. However, minor topographic disturbance is assessed qualitatively and addressed during management activities, as needed.

2.1.3 Baseline Hydrologic Surveys

Baseline hydrologic surveys have not been conducted as of this monitoring period. Per the VPMMP, baseline surveys shall be conducted for the City-owned vernal pool basins as well as privately owned vernal pool basins subject to the VPHCP management and monitoring criteria, regardless of management level. Baseline hydrologic data shall be collected within 5 years of VPHCP implementation and serve as a benchmark from which topographic and hydrologic disturbance can be assessed (refer to Chapter 4.1.2 of the VPMMP for further details regarding baseline hydrologic surveys). Baseline hydrologic surveys will be conducted within the next 3 years of the program to satisfy this requirement.

2.2 Private Property Management and Monitoring

As discussed in Section 1.4 of this 2020 Annual Report, the City's responsibilities under the VPHCP include enforcement of management and monitoring of vernal pool complexes consistent with the VPHCP. During the 2020 fiscal year, projects occurring on private property within implementation of the VPHCP were not at the point of management and monitoring, rather, projects were implementing mitigation requirements. Private property management and monitoring activities for projects predating VPHCP implantation are outlined within site-specific plans. Appendix D details site-specific activities outlined within the associated plans, including requirements for maintenance, monitoring, success criteria, and reporting. Refer to the specific associated plan for further details regarding maintenance and monitoring requirements for each privately owned vernal pool complex. No reports have been received by the City in 2020. Reports anticipated during 2021 will be included in the 2021 Annual Report.

2.3 Take Summary

Authorized take associated with Covered Projects and Covered Activities is summarized in Table 2-4, which details the impacts to vernal pool habitat (including number of basins and total acreage), impacts to Covered Species, and associated mitigation activities.

³Source: <http://www.wrh.noaa.gov/sgx/obs/rtp/rtpmap.php?wfo=sgx>

Table 2-4. 2020 Take Summary

Vernal Pool Complex Name and Pool ID	Management Responsibility	Project Name	Mitigation Type ¹	Acreage of Impacted Pools ²	Proposed Mitigation ²	Recorded Presence/Absence of Focal Species within Impacted Vernal Pools							
						PONU	POAB	NAFO	ERAR	ORCA	RSF	SDFS	
<i>Rhodes Crossings</i>													
581	Private	Merge 56	CR	0.042	0.196						✓		
582	Private	Merge 56	CR									✓	
272	Private	Merge 56	CR									✓	
273	Private	Merge 56	CR									✓	
1527	Private	Merge 56	CR									✓	
2093	Private	Merge 56	CR									✓	
2094	Private	Merge 56	CR									✓	
2086	Private	Merge 56	CR										
TOTAL ACREAGE:				0.042	0.196	0	0	0	0	0	7 basins	0	
TOTAL NUMBER OF IMACPTED BASINS:				8									

¹Mitigation type is pulled from associated Vernal Pool Mitigation Plans. Abbreviations are defined as follows: CR = Vernal Pool Creation; EN = Enhancement; RE = Restoration.

²Acreages of impacts and proposed mitigation are derived from site-specific mitigation plan.

During the reporting period, the Merge 56 Development Project Conceptual Vernal Pool Mitigation Plan (Alden 2019) was received for review by the City. The Merge 56 Development Project impacts a privately-owned vernal pool complex (Rhodes Crossings) and proposes mitigation off-site. Take and mitigation associated with the Merge 56 Development is detailed in Table 2-4. The City anticipates management and monitoring by the City in accordance with the VPHCP after successful establishment, approval, and acceptance of the mitigation effort.

3. VPHCP Funding

3.1 Spend During Reporting Period and Future Funding Sources

Fiscal year spend for VPHCP management and monitoring activities coinciding with this reporting period is detailed in Table 5-1. Table 5-2 identifies funding sources for Year 3 (2021) of VPHCP implementation. Funds for implementing the VPHCP program for City Department of Real Estate and Airport Management (DREAM), Parks and Recreation, and Planning Departments come from the General Fund, while the Public Utilities Department uses Enterprise Funds.

Table 5-1. Spend in Current Fiscal Year (2020)

City Department ¹	Estimated Expenditure	
	City Staff	Contractor
PUD	\$14,996.00	\$20,200.00
P&R	\$144,189.93	\$65,500.00
DREAM	\$6,000.00	\$6,939.38
Planning	\$14,528.00	\$ -
Total Estimated City-Wide Expenditures		\$ 272,353.31

¹City department acronyms defined as follows: PUD = Public Utilities, P&R = Parks and Recreation; DREAM = Department of Real Estate and Airport Management.

Table 5-2. Funding Sources for Fiscal Year 2021

City Department ¹	Funding Source ³	Estimated Expenditure	
		City Staff	Contractor
PUD	EF	\$6,585.00	\$21,577.00
P&R	GF	\$137,575.20	\$69,976.00
DREAM ²	GF	\$ -	tbd
Planning	GF	tbd	tbd
Total Estimated City-Wide Expenditures		\$235,713.20	

¹City department acronyms defined as follows: PUD = Public Utilities, P&R = Parks and Recreation; DREAM = Department of Real Estate and Airport Management.

²City staff position (Bio III) is currently vacant.

³Funding acronyms defined as follows: EF = Enterprise Funds, GF = General Fund

The VPHCP identified funding for the vernal pool complexes known to the City at the time of VPHCP development. During 2020 monitoring, the City identified vernal pool basins and vernal pool complexes not originally covered under the VPHCP. The City anticipates additional funds will be needed to manage and monitor these instances under the VPHCP and will coordinate with the Wildlife Agencies to determine an appropriate timeline to accept and adopt new basins and complexes.

4. References

Alden 2019. Merge 56 Development Project Conceptual Vernal Pool Mitigation Plan. February

City of San Diego. 2019. Revised Final City of San Diego Vernal Pool Habitat Conservation Plan. October.

City of San Diego. 2020. Revised Final City of San Diego Vernal Management and Monitoring Plan. February.

U.S. Fish and Wildlife Service. 1998. Recovery Plan for Vernal Pools of Southern California. U.S. Department of the Interior, Fish and Wildlife Service, Region One, Portland, Oregon.

Appendix A

City of San Diego VPHCP Vernal Pool Complex Management and Monitoring Levels

Appendix A

City of San Diego VPHCP Vernal Pool Complex Management and Monitoring Levels

Complex Series	Site Name	Planning Unit	Number of Conserved Pools Occupied by Focal Species							Management Responsibility	Existing (Baseline) Management & Monitoring Level	VPHCP Required Management & Monitoring Level in VPMMP
			PONU	POAB	NAFO	ERAR	ORCA	RFS	SDFS			
B 5	Tierra Alta	North	0	0	0	0	0	0	1	Private	Level 1/SSMP	Level 1
B 6	Lopez Ridge (CDFW)	North	0	1	0	0	0	0	0	CDFW	Level 1	Level 1
B 7-8	Crescent Heights	North	0	0	0	0	0	0	1	City	Level 1/SSMP	Level 1
	Lopez Ridge (City)	North	0	10	0	1	0	0	2	City	Level 1	Level 1
B 11	Mesa Norte	North	0	12	0	10	0	0	24	Private	Level 1/SSMP	Level 1
C 10-16	Winterwood	North	0	27	0	7	0	0	2	School District	SSRP	N/A
C 17-18	Fieldstone	North	0	8	0	0	0	0	0	Private	None	None ₂
C 27	Mira Mesa Market	North	0	1	0	0	0	0	1	Private	None	None
D 5-8	Carroll Canyon	North	0	42	1	65	0	0	5	City	Level 1/SSRP ₃	Level 1
	Parkdale Carroll Canyon	North	0	0	0	0	0	0	0	City	Level 1/SSRP ₃	Level 1
	MCAS Miramar	North	0	0	0	0	0	0	0	Federal	N/A	N/A
F 16-17	Menlo KM Parcel	Central	0	0	0	0	0	0	0	Private	None	Level 3
	Menlo KM Parcel	Central	0	0	0	0	0	0	0	State	N/A	N/A
	Del Mar Mesa (City)	North	0	3	0	49	0	0	8	City	Level 1	Level 1
H 1-10, 13-15, 18-23, 24-26	Del Mar Mesa (County)	North	0	2	0	12	0	0	0	County	None	N/A
	Del Mar Mesa (Private)	North	0	0	0	2	0	0	1	Private	None	Level 1 ₁
	Del Mar Mesa	North	0	0	1	2	0	0	1	State	None	N/A
	Del Mar Mesa	North	0	56	0	122	0	0	16	CDFW/USFWS	Level 1	Level 1
	Rhodes	North	0	7	0	6	0	0	8	Private	SSRP	Level 1
H 17	Shaw Lorenz	North	0	0	0	0	0	0	8	Private	Level 1/SSMP	Level 1
H 33	East Ocean Air Drive	North	0	0	0	2	0	0	0	Private	None	None ₂
	SDG&E Substation	North	0	0	0	4	0	0	0	Federal	N/A	N/A
H 38	Carmel Mountain	North	0	0	0	0	0	0	2	City	SSRP	Level 1
H 39	Greystone Torrey	North	0	5	0	3	0	0	0	City	Level 1/SSMP	Level 1
I 1	Arjons	North	0	22	0	15	0	0	1	Private	None	None ₂
I 6 B	Ford Leasing (Bob)	North	0	7	0	0	0	0	3	Private	None	None ₂
I 6 C	Facilities Development	North	0	11	0	2	0	0	6	Private	None	None ₂
I 12	Pueblo Lands (South)	North	0	0	0	0	0	0	2	City	Level 1	Level 1
	Cal Terraces (North)	South	286	0	79	275	52	93	209	City	Level 1	Level 1*
J 2	Clayton Parcel	South	0	0	0	1	0	0	2	City	Level 1	Level 1
	St. Jerome's	South	0	0	0	0	0	3	1	Private	None	Level 3 ₁
J 3	J3	South	0	0	0	0	0	0	0	State	None	N/A
J 4-5	California Crossing	South	0	0	0	0	0	0	5	Private	None	N/A
	Robinhood Ridge	South	19	0	4	46	0	6	41	City	Level 1	Level 2
J 11 E	Slump Block Pools	South	0	0	0	0	0	0	0	Private	None	Level 2 ₁
J 11 W	J11 West	South	0	0	0	0	0	1	1	Private	None	Level 3 ₁
J 12	J12	South	0	0	0	0	0	0	0	Private	None	Level 3 ₁
J 13 E	South Otay J 13 East	South	0	0	0	1	0	0	0	Private	None	Level 3 ₁
J 13 N	South Otay 1 acre (City)	South	0	0	1	1	1	0	0	City	None	Level 3
J 13 S	Bachman	South	0	0	0	0	0	0	0	Private	None	Level 3 ₁
	South Otay J 13 S	South	0	0	0	7	0	0	0	Private	None	Level 3 ₁
	Anderprises (Caltrans)	South	1	0	1	0	0	3	4	State	SSRP	N/A
	Anderprises (City)	South	0	0	0	0	0	0	0	City	Level 1	Level 1
J 14	Bachman	South	0	0	0	0	0	0	0	Private	None	Level 3 ₁
	Brown Field Basins	South	0	0	0	0	0	0	0	City/Airports	None	None
	Cal Terraces (South)	South	63	0	6	55	5	26	32	City	SSRP	Level 1*
	Handler	South	0	0	0	0	0	0	0	Private	Level 1/SSMP	Level 3 ₁
J 15	Arnie's Point	South	15	0	10	61	3	30	56	Federal	SSMP	N/A
	Goat Mesa (City)	South	0	0	0	4	0	1	0	City	Level 1	Level 1*
J 16-18	Goat Mesa (Federal)	South	0	0	0	0	0	0	0	Federal	None	None
	Goat Mesa (Private)	South	0	0	0	0	0	0	0	Private	None	Level 1 ₁
	Wruck Canyon	South	0	0	0	0	0	0	0	City	Level 1	Level 1*
J 20-21	La Media ITS	South	0	0	0	0	0	0	6	Private	None	Level 3 ₁
J 21	La Media Swale South	South	0	0	0	0	0	0	0	Private	None	Level 3 ₁
J 27	Empire Center	South	0	0	0	9	0	0	0	Private	None	None ₂
J 28 E	La Media Swale North	South	0	0	0	0	0	0	0	Private	None	Level 3 ₁
J 29	Lonestar W (Caltrans)	South	0	0	0	7	0	1	4	State	SSMP	N/A ₄
	Lonestar E (Caltrans)	South	0	0	0	0	0	35	50	State	SSMP	N/A ₄
J 30	Lonestar E (Private)	South	1	0	0	32	0	0	0	Private (County)	SSMP	Level 1 ₁
J 31	Demery West	South	0	0	0	0	0	10	38	State	SSMP	N/A
	Hidden Trails	South	0	0	0	0	0	0	1	City	Level 1	Level 1
	West Otay A (Caltrans)	South	7	0	3	1	0	1	8	State	SSRP	N/A
J 32	West Otay A (CDFW)	South	1	0	0	2	0	0	0	CDFW	None	Level 1 ₁
	West Otay B	South	0	0	0	0	0	0	0	City	SSRP	Level 1
	West Otay C	South	0	0	0	1	0	0	0	City	Level 1	Level 1
J 33	Sweetwater High	South	5	0	3	2	0	3	8	School District	SSRP	N/A
J 34	Bachman	South	0	0	0	0	0	0	1	Private	None	Level 3 ₁
	Candlelight	South	0	0	0	0	0	1	1	Private	SSRP	Level 1
J 35	Brown Field	South	0	0	0	0	0	0	0	City	None	Level 1/SSRP
J 36	Southview	South	0	0	0	0	0	0	8	Private	None	Level 3 ₁
KK 1	Lake Murray	Central	0	0	0	0	0	0	0	Private	None	None
K 5	Otay Lakes	Central	0	0	2	46	0	0	6	Cornerstone Lands	Level 1	Level 1
KK 2	Pasatiempo	Central	0	0	0	0	0	0	0	City	Level 1	Level 1
MM 1	Marron Valley	South	0	0	0	0	0	0	5	Cornerstone Lands	SSRP	Level 1
N 1-4	Teledyne Ryan	Central	0	1	0	0	0	0	11	Private	None	Level 2 ₁
N 5-6	Montgomery Field	Central	0	129	0	0	0	0	24	City	Level 1	Level 1/SSRP
N 7	Serra Mesa Library	Central	0	0	0	0	0	0	0	City	Level 1	Level 1
N 8	General Dynamics	Central	0	20	0	2	0	0	6	City	Level 1/SSMP	Level 1
NC	Li Collins	North	0	0	0	0	0	0	0	Private	None	None
	Kelton	South	0	0	0	0	0	0	0	City	None	None
OO	Salk Institute	North	0	0	0	0	0	0	0	Private	Level 1/SSMP	Level 1
O 2	Mission Trails Regional	Central	0	0	0	0	0	0	6	City	Level 1	Level 1
	Mission Trails Regional	Central	0	0	0	0	0	0	0	School District	None ₁	N/A
O 3	Castlerock	North	0	0	0	0	0	0	0	Private	SSRP	Level 1
OO	Tecolote Canyon	Central	0	0	0	0	0	0	0	City	None	None
R 1	Proctor Valley	South	0	0	0	0	0	0	3	Cornerstone Lands	Level 1	Level 1
U 15	SANDER	Central	0	1	0	0	0	0	2	City	Level 1	Level 2 ₁
U 19	Cubic	Central	0	1	0	2	0	0	6	Private	None	Level 1 ₁
X 5	Nobel Drive	North	0	0	1	0	0	0	6	City	Level 1	Level 1
X 7	Nobel Research	North	0	0	0	0	0	0	1	City	Level 1/SSMP	Level 1

SSRP= Site-specific restoration plan SSMP= Site-specific management plan or requirements
 1= These sites may seek development entitlement in the future. During the development entitlement process, the City will ensure the project is consistent with the VPHCP, ESL, Biology Guidelines and required VPMMP Management Level.
 2= As separate funding becomes available (e.g., grant funds) the City may work with the owner to implement additional recommended management as identified on the site specific VPMMP management sheet.
 3= Restoration is currently in progress as part of a separate permit requirement (not required by the VPHCP). Following completion of restoration, the site will be managed at Level 1, consistent with the VPHCP.
 4= If a Caltrans-owned complex is transferred to the City, CDFW, or USFWS, the site would be managed consistent with the VPHCP.
 * = The City and Wildlife Agencies will determine if Stewardship (Level 1), Enhancement (Level 2), or Restoration (Level 3) is necessary to achieve the species-specific conservation objectives based on a project level evaluation of these sites.

Yellow	City, CDFW or USFWS owned. Subject management under VPHCP.
Orange	Privately owned and managed under VPHCP, City responsible for enforcing management.
Purple	Private-owned. Management required with development under VPHCP except for lands mitigated under County of San Diego (J 30 Lonestar (Private)).
Green	Private, conserved pre-MSCP, so no management required.
Blue	Public and conserved. No management required and none recommended; not included on management sheet in VPMMP.
Gray	Private and conserved. No management required and none recommended; not included on management sheet in VPMMP.
Pink	Not under City, CDFW or USFWS jurisdiction; not managed under the VPHCP. If a Caltrans-owned complex is transferred to the City, CDFW or USFWS, the site would be managed consistent with the VPHCP.

Appendix B-1

2020 Vernal Pool Qualitative Monitoring and Management Datasheets

1. Calle de Vida
2. Seabird Way
3. Mission Trails Regional Park (Q2)
4. Montgomery Field (N5-6)
5. Pasatiempo (KK2)
6. Serra Mesa Library (N7)
7. Carmel Mountain (H38)
8. Carroll Canyon/Parkdale Carroll Canyon (D5-8)
9. Crescent Heights (B7-8)
10. Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)
11. Greystone Torrey Highlands (H39)
12. Lopez Ridge (B7-8)
13. Pueblo Lands (North and South)
14. Winterwood (C10-16)
15. Anderprises (J14)
16. Cal Terraces (North), Otay Mesa Road Parcels (J2)
17. Clayton Parcel (J2)
18. Goat Mesa (J16-18)
19. Hidden Trails (J31)
20. Marron Valley (MM1)
21. Nobel Drive (X5)
22. Otay Lakes (K5)
23. Proctor Valley (R1)
24. West Otay B (J32)
25. West Otay C (J32)
26. Wruck Canyon (J16-18)
27. Robinhood Ridge (J4-5)
28. South Otay1 acre (J13N)
29. Tecolote Canyon (QQ)
30. Brown Field Basins (J14)
31. Kelton (NC)

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Calle de Vida

Planning Unit: Central

City or Other?

Managing Department:

VPHCP Required Management and Monitoring Level:

Qualitative Monitoring Data

Visit Date: 2/14/2020 Start Time: 9:40 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use: Ongoing

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Fence install, Sign install, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Weed management soon.

Notes: Button celery present in largest pool.

Visit Date: 3/18/2020 Start Time: 12:05 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: New

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Pickup trash in pools.

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Calle de Vida

Visit Date: 5/13/2020		Start Time: 5:00 PM	
Surveyors: Jason Allen			
Site Conditions:			
Ponded Water: no		Days Since Last Rain: 0	Fairy Shrimp Visible:
Listed Plants Visible? Present			
New and Ongoing Issues Observed During Visit:			
Trash: Ongoing		Tresspass/Unauthorized Use:	
Damage to Fences and/or Signs:		Fire or Damage from Fire Supression:	
Invasive Species in Pool: Ongoing		Damage from Edge Effects:	
Invasive Species in Buffer: Ongoing		Hydrological Impacts:	
Other issues observed:			
Are other issues new or ongoing?			
Management Needs: Weed control, Restoration/Revegetation, Fence install, Sign install, Regular patrols recommended			
Other Management Needs:			
Additional Management Actions Recommended: Weed management 5/14/20			
Notes:			

Management Actions Completed			
Visit Date: 5/14/2020		Start Time: 7:00 AM	
Surveyors: Moises Vasquez			
Action(s) Completed: Weedcontrol			
Notes: City staff and Contracted crew performed weed control.			

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Seabird Way

Planning Unit: South

City or Other?

Managing Department:

VPHCP Required Management and Monitoring Level:

Qualitative Monitoring Data

Visit Date: 3/25/2020 Start Time: 3:56 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Present

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Fence install, Sign install, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 5/18/2020 Start Time: 10:00 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Fence install, Sign install, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Trash pickup

Notes: Picked up some trash.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Mission Trails Regional Park (Q2)

Planning Unit: Central

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 2/14/2020 Start Time: 10:35 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 6-15

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Fence repair, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Weed management soon.

Notes: Dittrichia graveolens weed biomass observed in pool 408 on Rim trail.

Visit Date: 4/8/2020

Start Time: 5:25 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended, Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Mission Trails Regional Park (Q2)

Visit Date: 4/23/2020 Start Time: 2:17 PM

Surveyors: MBerninger

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 6-15

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool:

Damage from Edge Effects:

Invasive Species in Buffer:

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Potentially some weed control around edges. Lots of tadpoles, unknown species , coming up to the surface quickly to gulp air. Pair of green herons were prowling around the edges of the pool when I arrived.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Montgomery Field (N5-6)

Planning Unit: Central

City or Other? City

Managing Department: Airports

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 1/31/2020 Start Time: 8:28 AM

Surveyors: Cindy Dunn

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 6-15

Fairy Shrimp Visible: Present

Listed Plants Visible? Wrong_Time

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control

Other Management Needs:

Additional Management Actions Recommended: Stinkwort and crown daisy control throughout the year.

Notes:

Visit Date: 3/4/2020 Start Time: 12:14 PM

Surveyors: Cindy Dunn

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: New

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Montgomery Field (N5-6)

Management Actions Completed
Visit Date: 11/12/2019 Start Time: 8:00 AM Surveyors: Cindy Dunn Action(s) Completed: Weedcontrol Notes:
Visit Date: 3/4/2020 Start Time: 12:20 PM Surveyors: Cindy Dunn Action(s) Completed: Trash pickup Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Pasatiempo (KK2)

Planning Unit: Central

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 2/27/2020 Start Time: 2:25 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use: Ongoing

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Fence install, Sign install, Dump cleanup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Old dumped concrete in pools.

Visit Date: 3/18/2020 Start Time: 10:50 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Fence install, Sign install, Regular patrols recommended, Weed control

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Pasatiempo (KK2)

Visit Date: 5/11/2020 Start Time: 9:29 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no Days Since Last Rain: ≥ 16 Fairy Shrimp Visible:
Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:	Tresspass/Unauthorized Use:
Damage to Fences and/or Signs:	Fire or Damage from Fire Supression:
Invasive Species in Pool: Ongoing	Damage from Edge Effects:
Invasive Species in Buffer: Ongoing	Hydrological Impacts:
Other issues observed:	
Are other issues new or ongoing?	

Management Needs: Weed control, Restoration/Revegetation, Fence install, Sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 5/20/2020 Start Time: 9:28 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no Days Since Last Rain: 6-15 Fairy Shrimp Visible:
Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:	Tresspass/Unauthorized Use:
Damage to Fences and/or Signs:	Fire or Damage from Fire Supression:
Invasive Species in Pool: Ongoing	Damage from Edge Effects:
Invasive Species in Buffer: Ongoing	Hydrological Impacts:
Other issues observed:	
Are other issues new or ongoing?	

Management Needs: Weed control, Restoration/Revegetation, Regular patrols recommended, Fence install, Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Pasatiempo (KK2)

Management Actions Completed

Visit Date: 2/27/2020 Start Time: 2:27 PM

Surveyors: Jason Allen

Action(s) Completed: Weedcontrol

Notes:

Visit Date: 5/5/2020 Start Time: 7:00 AM
--

Surveyors: Moises Vasquez

Action(s) Completed: Weedcontrol

Notes: City staff and Contracted crew performed weed control.
--

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Serra Mesa Library (N7)

Planning Unit: Central

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data	
Visit Date: 3/24/2020	Start Time: 8:42 AM
Surveyors: Jason Allen	
Site Conditions:	
Ponded Water: yes	Days Since Last Rain: 1-5
Listed Plants Visible? Absent	Fairy Shrimp Visible: Present
<u>New and Ongoing Issues Observed During Visit:</u>	
Trash: Ongoing	Tresspass/Unauthorized Use:
Damage to Fences and/or Signs:	Fire or Damage from Fire Supression:
Invasive Species in Pool: Ongoing	Damage from Edge Effects:
Invasive Species in Buffer: Ongoing	Hydrological Impacts:
Other issues observed:	
Are other issues new or ongoing?	
Management Needs: Weed control, Trash pickup, Regular patrols recommended, Restoration/Revegetation	
Other Management Needs:	
Additional Management Actions Recommended: Previous weed control working, but could use additional.	
Notes: Pool 726 has SD fairy shrimp in small puddle.	

Management Actions Completed	
Visit Date: 2/11/2020	Start Time: 9:00 AM
Surveyors: Jason Allen, Moises Vasquez	
Action(s) Completed: Weedcontrol	
Notes:	
Visit Date: 4/16/2020	Start Time: 7:00 PM
Surveyors: Moises Vasquez	
Action(s) Completed: Weedcontrol	
Notes: City staff and Contracted crew performing weed control.	

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Carmel Mountain (H38)

Planning Unit: North

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 4/7/2020 Start Time: 12:38 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible?

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs:

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Management Actions Completed

Visit Date: 4/15/2020 Start Time: 4:21 PM

Surveyors: Jason Allen, Paula Birdwell

Action(s) Completed: Weedcontrol

Notes: 5 bags of weeds

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

Planning Unit: North

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 3/24/2020 Start Time: 11:50 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Present

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Treat Cistus ladinafer.

Notes: Pool 1926 & 1928 has SD fairy shrimp and tadpoles.

Visit Date: 4/27/2020 Start Time: 11:23 AM

Surveyors: Sara Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 6-15

Fairy Shrimp Visible: Present

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Small amount of trash and dog poop along fence line. Invasive species cover in pools is relatively low 0-5%. Most pools had natives only. Roughly 1/4 of pools still ponded. Bloomeria clevelandii is present on far east mesa.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

Management Actions Completed
Visit Date: 4/28/2020 Start Time: 12:44 PM Surveyors: MBERNINGER Action(s) Completed: Add replace lock Notes: Lot of spadefoot larva in road pool on eastern portion of site

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Crescent Heights (B7-8)

Planning Unit: North

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 4/7/2020 Start Time: 10:55 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Two new pools mapped.

Visit Date: 5/15/2020 Start Time: 5:05 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Sign install, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes: African daisy creeping in from street.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

Planning Unit: North

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 2/6/2020 Start Time: 11:15 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use: Ongoing

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool:

Damage from Edge Effects:

Invasive Species in Buffer:

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Fence repair, Sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes: Bike trail through pools

Visit Date: 4/8/2020 Start Time: 3:45 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Fence repair, Sign replacement, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

Visit Date: 4/17/2020 Start Time: 11:00 AM Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no Days Since Last Rain: 1-5 Fairy Shrimp Visible:
Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:	Tresspass/Unauthorized Use: Ongoing
Damage to Fences and/or Signs: Ongoing	Fire or Damage from Fire Supression:
Invasive Species in Pool:	Damage from Edge Effects:
Invasive Species in Buffer:	Hydrological Impacts:
Other issues observed:	
Are other issues new or ongoing?	

Management Needs: Fence repair, Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Main access path now blocked by construction on adjacent lot and fencing. Had to find an alternative route.

Visit Date: 5/14/2020 Start Time: 11:45 AM

Surveyors: Cheryl Jenkins, Travis Whitney

Site Conditions:

Ponded Water: no Days Since Last Rain: ≥ 16 Fairy Shrimp Visible:
Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:	Tresspass/Unauthorized Use: Ongoing
Damage to Fences and/or Signs:	Fire or Damage from Fire Supression:
Invasive Species in Pool:	Damage from Edge Effects:
Invasive Species in Buffer:	Hydrological Impacts:
Other issues observed:	
Are other issues new or ongoing?	

Management Needs: Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Main access blocked by development. Found alternative path from NW. Plath steep and overgrown, used by mountain bikers.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

Visit Date: 5/15/2020 Start Time: 1:04 PM Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Fence repair, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Greystone Torrey Highlands (H39)

Planning Unit: North

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 4/7/2020 Start Time: 4:05 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 5/15/2020 Start Time: 4:06 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Greystone Torrey Highlands (H39)

Management Actions Completed
Visit Date: 4/21/2020 Start Time: 7:00 PM Surveyors: Moises Vasquez Action(s) Completed: Weedcontrol Notes: City staff and Contracted crew performing weed control.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Lopez Ridge (B7-8)

Planning Unit: North

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 5/15/2020

Start Time: 5:11 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended, Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stinkwort seedlings near pool 706.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Pueblo Lands (North and South)

Planning Unit: North

City or Other? City

Managing Department: Pubic Utilities

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 2/6/2020 Start Time: 1:08 PM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 5/12/2020 Start Time: 11:00 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥ 16

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Pueblo Lands (North and South)

Visit Date: 6/25/2020 Start Time: 8:33 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥ 16

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Winterwood (C10-16)

Planning Unit: North

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 3/24/2020

Start Time: 3:54 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Present

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Restoration/Revegetation, Weed control, Fence install, Sign install, Trash pickup, Dump cleanup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Anderprises (J14)

Planning Unit: South

City or Other? City

Managing Department:

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 3/17/2020 Start Time: 10:36 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 0

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Trash pickup, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended: Weed management as time allows.

Notes:

Visit Date: 6/30/2020 Start Time: 12:35 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup, Restoration/Revegetation, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 2/26/2020 Start Time: 2:09 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trash blown in from street.

Visit Date: 3/3/2020 Start Time: 12:26 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

Visit Date: 3/17/2020 Start Time: 3:57 PM Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Installation of 100 native plants soon.

Notes:

Visit Date: 3/17/2020 Start Time: 11:51 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Weeds are dying from previous weed management visit.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

Visit Date: 5/6/2020 Start Time: 5:41 PM Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: ≥ 16

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended, Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Add signs along Southern fence border.

Visit Date: 5/6/2020

Start Time: 4:04 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: ≥ 16

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

Visit Date: 6/18/2020 Start Time: 1:47 PM Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥ 16

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dittrichia graveolens present

Visit Date: 6/18/2020 Start Time: 10:59 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥ 16

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: New

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dittrichia graveolens present.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

Management Actions Completed	
Visit Date: 3/3/2020 Surveyors: Jason Allen Action(s) Completed: Weedcontrol Notes:	Start Time: 12:23 PM
Visit Date: 3/3/2020 Surveyors: Jason Allen Action(s) Completed: Weedcontrol Notes: Contracted crew performed weed control.	Start Time: 1:01 PM
Visit Date: 4/1/2020 Surveyors: Jason Allen Action(s) Completed: Weedcontrol,RestReveg,Trash pickup Notes: City staff and Contracted crew performed weed control, plant installation of 100 plants and trash pickup..	Start Time: 4:28 PM
Visit Date: 4/23/2020 Surveyors: Moises Vasquez Action(s) Completed: Weedcontrol Notes: City staff and Contracted crew performing weed control.	Start Time: 7:00 PM
Visit Date: 4/28/2020 Surveyors: Moises Vasquez Action(s) Completed: Weedcontrol Notes: City staff and Contracted crew performing weed control.	Start Time: 7:00 AM
Visit Date: 4/30/2020 Surveyors: Moises Vasquez Action(s) Completed: Weedcontrol Notes: City staff and Contracted crew performing weed control.	Start Time: 7:00 AM
Visit Date: 6/18/2020 Surveyors: Jason Allen Action(s) Completed: Weedcontrol,Trash pickup Notes: City staff performed trash pickup and weed control.	Start Time: 2:29 PM
Visit Date: 6/25/2020 Surveyors: Jason Allen Action(s) Completed: Weedcontrol,Trash pickup Notes: Contracted crew performing weed control and trash pickup.	Start Time: 8:16 AM

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Clayton Parcel (J2)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 2/26/2020 Start Time: 9:29 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Restoration/Revegetation, Fence install, Sign install, Trash pickup, Dump cleanup, Recontouring pools, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Fence installation happening soon.

Notes:

Visit Date: 3/3/2020 Start Time: 11:44 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Fence install, Sign install, Dump cleanup, Trash pickup, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended: Fence installation soon.

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Clayton Parcel (J2)

Visit Date: 3/17/2020 Start Time: 9:21 AM

Surveyors: Jason Allen, Mark Berninger

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Fence install, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Contracted crew installed T post fence.

Notes: Chaparal Lands Conservancy project coming along well.

Visit Date: 4/22/2020 Start Time: 8:15 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Restoration/Revegetation, Fence install, Dump cleanup, Trash pickup, Grading/Recontouring, Regular patrols recommended, Sign install

Other Management Needs:

Additional Management Actions Recommended: Weed control scheduled 4/24/20

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Clayton Parcel (J2)

Visit Date: 5/6/2020		Start Time: 3:13 PM	
Surveyors: Jason Allen			
Site Conditions:			
Ponded Water: yes		Days Since Last Rain: ≥16	Fairy Shrimp Visible: Absent
Listed Plants Visible? Absent			
New and Ongoing Issues Observed During Visit:			
Trash: Ongoing		Tresspass/Unauthorized Use:	
Damage to Fences and/or Signs:		Fire or Damage from Fire Supression:	
Invasive Species in Pool: Ongoing		Damage from Edge Effects:	
Invasive Species in Buffer: Ongoing		Hydrological Impacts:	
Other issues observed:			
Are other issues new or ongoing?			
Management Needs: Weed control, Restoration/Revegetation, Dethatching, Sign install, Fence install, Dump cleanup, Trash pickup, Grading/Recontouring, Regular patrols recommended			
Other Management Needs:			
Additional Management Actions Recommended: Trash pickup in May. Dethatching starting in mid May.			
Notes:			

Visit Date: 5/18/2020		Start Time: 10:27 AM	
Surveyors: Jason Allen			
Site Conditions:			
Ponded Water: no		Days Since Last Rain: 6-15	Fairy Shrimp Visible:
Listed Plants Visible? Absent			
New and Ongoing Issues Observed During Visit:			
Trash: Ongoing		Tresspass/Unauthorized Use:	
Damage to Fences and/or Signs:		Fire or Damage from Fire Supression:	
Invasive Species in Pool: Ongoing		Damage from Edge Effects:	
Invasive Species in Buffer: Ongoing		Hydrological Impacts:	
Other issues observed:			
Are other issues new or ongoing?			
Management Needs: Weed control, Restoration/Revegetation, Sign install, Fence install, Dump cleanup, Trash pickup, Regular patrols recommended			
Other Management Needs:			
Additional Management Actions Recommended:			
Notes: Checking on what trash contractor had picked up.			

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Clayton Parcel (J2)

Visit Date: 6/30/2020 Start Time: 3:11 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Restoration/Revegetation, Sign install, Fence install, Trash pickup, Dump cleanup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: CLC Restoration project doing well.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Clayton Parcel (J2)

Management Actions Completed	
Visit Date: 3/25/2020	Start Time: 10:56 AM
Surveyors: Jason Allen	
Action(s) Completed: Fence install	
Notes:	
Visit Date: 4/1/2020	Start Time: 2:43 PM
Surveyors: Jason Allen	
Action(s) Completed: Fence install	
Notes:	
Visit Date: 4/29/2020	Start Time: 11:06 AM
Surveyors: Jason Allen	
Action(s) Completed: Fence install, Weedcontrol	
Notes: Contracted crew finished installing Southern fence. City staff performed weed management..	
Visit Date: 5/5/2020	Start Time: 5:50 PM
Surveyors: Jason Allen	
Action(s) Completed: Kiosk installation	
Notes:	
Visit Date: 5/13/2020	Start Time: 10:09 AM
Surveyors: Jason Allen	
Action(s) Completed: Dump cleanup, Trash pickup, Fence repair	
Notes: Checking on what trash contracted crew had picked up.	
Visit Date: 5/18/2020	Start Time: 10:31 AM
Surveyors: Jason Allen	
Action(s) Completed: Trash pickup	
Notes: City staff performed trash pickup.	
Visit Date: 6/18/2020	Start Time: 9:22 AM
Surveyors: Jason Allen	
Action(s) Completed: Weedcontrol, Dethatching	
Notes: Contracted crew performing weed management.	
Visit Date: 6/25/2020	Start Time: 8:14 AM
Surveyors: Jason Allen	
Action(s) Completed: Weedcontrol, Dethatching	
Notes: Contracted crew performing weed whacking and dethatching.	

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Goat Mesa (J16-18)

Planning Unit: South

City or Other? City

Managing Department: Pubic Utilities

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 1/9/2020 Start Time: 10:45 AM

Surveyors: Cheryl Jenkins, Travis Whitney

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 6-15

Fairy Shrimp Visible: Present

Listed Plants Visible? Wrong_Time

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression: Ongoing

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Fence repair

Other Management Needs:

Additional Management Actions Recommended: Additional monitoring occurring post-fire

Notes: Water samples taken to monitor pH and ammonia levels in pools affected by fire and fire retardant

Visit Date: 4/1/2020 Start Time: 10:20 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 6-15

Fairy Shrimp Visible: Present

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression: Ongoing

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Fence repair

Other Management Needs:

Additional Management Actions Recommended:

Notes: Water samples taken to measure pH and ammonia in burned pools.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Goat Mesa (J16-18)

Visit Date: 5/11/2020 Start Time: 9:30 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥ 16

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Fence repair, Sign replacement

Other Management Needs:

Additional Management Actions Recommended: Maintenance contract in process

Notes: Post fire recovery doing well. Fire scar barely visible now. VP plant data collected today also.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Hidden Trails (J31)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 3/17/2020 Start Time: 1:58 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 5/6/2020 Start Time: 3:35 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: ≥ 16

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended, Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Install sign at entrance off Angler Way on City property.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Hidden Trails (J31)

Visit Date: 5/18/2020 Start Time: 8:36 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Marron Valley (MM1)

Planning Unit: South

City or Other? City

Managing Department: Pubic Utilities

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 12/14/2019 Start Time: 9:50 AM

Surveyors: Cheryl Jenkins, Mark Berninger

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 6-15

Fairy Shrimp Visible: Present

Listed Plants Visible? Wrong_Time

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use: Ongoing

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Fence repair, Fence install, Sign install, Regular patrols recommended

Other Management Needs: Fences around pools need to be repaired to keep cattle and vehicles out

Additional Management Actions Recommended: Fences around pools need to be repaired to keep cattle and vehicles out

Notes:

Visit Date: 3/9/2020

Start Time: 9:45 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 6-15

Fairy Shrimp Visible: Present

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use: Ongoing

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Fence repair, Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Creek difficult to cross; trespass by border patrol, transients, and cattle.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Marron Valley (MM1)

Visit Date: 4/1/2020		Start Time: 12:45 PM	
Surveyors: Cheryl Jenkins, Travis Whitney			
Site Conditions:			
Ponded Water: yes		Days Since Last Rain: 1-5	Fairy Shrimp Visible: Present
Listed Plants Visible? Absent			
New and Ongoing Issues Observed During Visit:			
Trash:		Tresspass/Unauthorized Use: Ongoing	
Damage to Fences and/or Signs: Ongoing		Fire or Damage from Fire Supression:	
Invasive Species in Pool: Ongoing		Damage from Edge Effects:	
Invasive Species in Buffer: Ongoing		Hydrological Impacts:	
Other issues observed:			
Are other issues new or ongoing?			
Management Needs: Weed control, Dethatching, Fence repair, Sign install			
Other Management Needs:			
Additional Management Actions Recommended: Signs or fencing needed around FS occupied road rut pools.			
Notes: Water in creek crossing too deep for vehicle, had to wade across on foot.			

Visit Date: 6/23/2020		Start Time: 10:00 AM	
Surveyors: Cheryl Jenkins, Travis Whitney			
Site Conditions:			
Ponded Water: no		Days Since Last Rain: ≥16	Fairy Shrimp Visible:
Listed Plants Visible? Absent			
New and Ongoing Issues Observed During Visit:			
Trash:		Tresspass/Unauthorized Use: Ongoing	
Damage to Fences and/or Signs: Ongoing		Fire or Damage from Fire Supression:	
Invasive Species in Pool: Ongoing		Damage from Edge Effects:	
Invasive Species in Buffer: Ongoing		Hydrological Impacts:	
Other issues observed:			
Are other issues new or ongoing?			
Management Needs: Weed control, Dethatching, Fence repair, Sign install			
Other Management Needs:			
Additional Management Actions Recommended:			
Notes: Creek crossing dry			

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Nobel Drive (X5)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 3/18/2020 Start Time: 3:29 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Otay Lakes (K5)

Planning Unit: South

City or Other? City

Managing Department: Pubic Utilities

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 2/21/2020 Start Time: 10:30 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 6-15

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Sign replacement

Other Management Needs:

Additional Management Actions Recommended: Replace signs

Notes: Ponding in road rut pools only; bullfrog tadpoles and froglets observed in road rut pools.

Visit Date: 5/13/2020 Start Time: 9:30 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥ 16

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes: Quantitative voice plant data collected on this day by consultants from Recon.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Otay Lakes (K5)

Visit Date: 6/29/2020 **Start Time:** 2:53 PM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no	Days Since Last Rain: ≥16	Fairy Shrimp Visible:
Listed Plants Visible? Present		

New and Ongoing Issues Observed During Visit:

Trash: Damage to Fences and/or Signs: Ongoing Invasive Species in Pool: Ongoing Invasive Species in Buffer: Ongoing Other issues observed: Are other issues new or ongoing?	Tresspass/Unauthorized Use: Fire or Damage from Fire Supression: Damage from Edge Effects: Hydrological Impacts:
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Management Needs: Weed control, Sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Proctor Valley (R1)

Planning Unit: South

City or Other? City

Managing Department: Pubic Utilities

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 1/31/2020 Start Time: 7:45 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Present

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control

Other Management Needs:

Additional Management Actions Recommended: Grant-funded vernal pool restoration project recently started by the Chaparral Conservancy

Notes: Restoration ongoing

Visit Date: 5/6/2020 Start Time: 10:05 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: yes

Days Since Last Rain: ≥16

Fairy Shrimp Visible: Present

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: New

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Gate repair, Sign replacement, Trash pickup, Weed control

Other Management Needs:

Additional Management Actions Recommended: Vernal pool restoration in progress

Notes: 2 two-striped garter snakes observed in pools west of road; gate to restoration area removed; signs shot up; old plant cages need to be removed.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Proctor Valley (R1)

Visit Date: 6/30/2020 **Start Time:** 11:00 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no	Days Since Last Rain: 1-5	Fairy Shrimp Visible:
Listed Plants Visible? Present		

New and Ongoing Issues Observed During Visit:

Trash: Ongoing	Tresspass/Unauthorized Use:
Damage to Fences and/or Signs: Ongoing	Fire or Damage from Fire Supression:
Invasive Species in Pool: Ongoing	Damage from Edge Effects:
Invasive Species in Buffer: Ongoing	Hydrological Impacts:
Other issues observed:	
Are other issues new or ongoing?	

Management Needs: Weed control, Sign replacement, Trash pickup

Other Management Needs:

Additional Management Actions Recommended: VP restoration in progress

Notes: Gate repaired. Plant cages need to be removed.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: West Otay B (J32)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 3/17/2020 Start Time: 3:11 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Dittrichia graveolens control needed asap.

Notes:

Visit Date: 5/13/2020 Start Time: 10:44 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dump cleanup, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dittrichia graveolens throughout parcel.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: West Otay B (J32)

Management Actions Completed

Visit Date: 4/14/2020 Start Time: 7:00 AM
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Surveyors: Moises Vasquez

Action(s) Completed: Weedcontrol

Notes: City staff and Contracted crew performing weed control.
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VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: West Otay C (J32)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 3/17/2020 Start Time: 3:16 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Dittrichia graveolens control needed asap.

Notes:

Visit Date: 5/13/2020 Start Time: 10:06 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 0

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Fence install, Sign install, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Wruck Canyon (J16-18)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 3/25/2020 Start Time: 12:59 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 0

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Fence install, Sign install, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 5/27/2020 Start Time: 10:38 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Sign install, Fence install, Dump cleanup, Trash pickup, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Wruck Canyon (J16-18)

Visit Date: 6/30/2020		Start Time: 2:33 PM	
Surveyors: Jason Allen			
Site Conditions:			
Ponded Water: no		Days Since Last Rain: 1-5	Fairy Shrimp Visible:
Listed Plants Visible? Absent			
<u>New and Ongoing Issues Observed During Visit:</u>			
Trash: Ongoing		Tresspass/Unauthorized Use:	
Damage to Fences and/or Signs:		Fire or Damage from Fire Supression:	
Invasive Species in Pool: Ongoing		Damage from Edge Effects:	
Invasive Species in Buffer: Ongoing		Hydrological Impacts:	
Other issues observed:			
Are other issues new or ongoing?			
Management Needs: Weed control, Restoration/Revegetation, Fence install, Sign install, Trash pickup, Grading/Recontouring, Regular patrols recommended			
Other Management Needs:			
Additional Management Actions Recommended:			
Notes:			

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Robinhood Ridge (J4-5)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 2

Qualitative Monitoring Data

Visit Date: 7/10/2019 Start Time: 6:30 PM

Surveyors: Jason Allen, Diana Brand, Jessie Lane

Site Conditions:

Ponded Water: no

Days Since Last Rain: >16

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Restoration/Revegetation, Trash pickup, Regular patrols recommended, Sign install

Other Management Needs:

Additional Management Actions Recommended: Weed control, ice plant.

Notes: West pools no maintenance done yet. Needs weed whacking.

Visit Date: 3/17/2020 Start Time: 5:21 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended: Ward's weed needs to be treated again. Few mature plants close to flowering.

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 4/22/2020		Start Time: 9:00 AM	
Surveyors: Jason Allen			
Site Conditions:			
Ponded Water: yes		Days Since Last Rain: 1-5	Fairy Shrimp Visible: Absent
Listed Plants Visible? Present			
<u>New and Ongoing Issues Observed During Visit:</u>			
Trash:		Tresspass/Unauthorized Use:	
Damage to Fences and/or Signs:		Fire or Damage from Fire Supression:	
Invasive Species in Pool: Ongoing		Damage from Edge Effects:	
Invasive Species in Buffer: Ongoing		Hydrological Impacts:	
Other issues observed:			
Are other issues new or ongoing?			
Management Needs: Weed control, Regular patrols recommended			
Other Management Needs:			
Additional Management Actions Recommended: Contracted crew performed weed control.			
Notes:			

Visit Date: 5/6/2020		Start Time: 5:07 PM	
Surveyors: Jason Allen			
Site Conditions:			
Ponded Water: no		Days Since Last Rain: ≥16	Fairy Shrimp Visible:
Listed Plants Visible? Present			
<u>New and Ongoing Issues Observed During Visit:</u>			
Trash:		Tresspass/Unauthorized Use:	
Damage to Fences and/or Signs:		Fire or Damage from Fire Supression:	
Invasive Species in Pool: Ongoing		Damage from Edge Effects:	
Invasive Species in Buffer: Ongoing		Hydrological Impacts:	
Other issues observed:			
Are other issues new or ongoing?			
Management Needs: Weed control, Regular patrols recommended			
Other Management Needs:			
Additional Management Actions Recommended:			
Notes:			

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 5/22/2020		Start Time: 10:16 AM	
Surveyors: Jason Allen			
Site Conditions:			
Ponded Water: no		Days Since Last Rain: 6-15	Fairy Shrimp Visible:
Listed Plants Visible? Present			
New and Ongoing Issues Observed During Visit:			
Trash:		Tresspass/Unauthorized Use:	
Damage to Fences and/or Signs:		Fire or Damage from Fire Supression:	
Invasive Species in Pool: Ongoing		Damage from Edge Effects:	
Invasive Species in Buffer: Ongoing		Hydrological Impacts:	
Other issues observed:			
Are other issues new or ongoing?			
Management Needs: Weed control, Regular patrols recommended, Sign install			
Other Management Needs:			
Additional Management Actions Recommended:			
Notes: Add City signs to South and West sides			

Visit Date: 6/25/2020		Start Time: 11:04 AM	
Surveyors: Jason Allen			
Site Conditions:			
Ponded Water: no		Days Since Last Rain: ≥16	Fairy Shrimp Visible:
Listed Plants Visible? Present			
New and Ongoing Issues Observed During Visit:			
Trash:		Tresspass/Unauthorized Use:	
Damage to Fences and/or Signs:		Fire or Damage from Fire Supression:	
Invasive Species in Pool: Ongoing		Damage from Edge Effects:	
Invasive Species in Buffer: Ongoing		Hydrological Impacts:	
Other issues observed:			
Are other issues new or ongoing?			
Management Needs: Weed control, Regular patrols recommended			
Other Management Needs:			
Additional Management Actions Recommended:			
Notes: Ward's weed, Stinkwort and ice plant present.			

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: South Otay 1 acre (J13N)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 3

Qualitative Monitoring Data

Visit Date: 3/25/2020 Start Time: 2:42 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Present

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Restoration/Revegetation, Fence install, Dump cleanup, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 5/27/2020 Start Time: 12:07 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Restoration/Revegetation, Fence install, Sign install, Dump cleanup, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Southern parcel has trash that needs to be picked up.

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: South Otay 1 acre (J13N)

Visit Date: 6/30/2020 **Start Time:** 2:56 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no	Days Since Last Rain: 1-5	Fairy Shrimp Visible:
Listed Plants Visible? Absent		

New and Ongoing Issues Observed During Visit:

Trash: Ongoing	Tresspass/Unauthorized Use:
Damage to Fences and/or Signs:	Fire or Damage from Fire Supression:
Invasive Species in Pool: Ongoing	Damage from Edge Effects:
Invasive Species in Buffer: Ongoing	Hydrological Impacts:
Other issues observed:	
Are other issues new or ongoing?	

Management Needs: Weed control, Restoration/Revegetation, Dethatching, Fence install, Dump cleanup, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Tecolote Canyon (QQ)

Planning Unit: Central

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 2/14/2020 Start Time: 2:23 PM

Surveyors: Jason Allen.

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Fence install, Sign install, Weed control, Restoration/Revegetation, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 4/24/2020 Start Time: 3:19 PM

Surveyors: MBERNINGER

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Restoration/Revegetation, Weed control, Fence install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Invasive grasses creeping in on pool edges. Pools not retaining water for very long , could be soil related or timing. Lots of tar weed

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Tecolote Canyon (QQ)

Visit Date: 4/24/2020 **Start Time:** 2:30 PM

Surveyors: MBerninger

Site Conditions:

Ponded Water: no	Days Since Last Rain: 6-15	Fairy Shrimp Visible:
Listed Plants Visible? Absent		

New and Ongoing Issues Observed During Visit:

Trash: Ongoing	Tresspass/Unauthorized Use:
Damage to Fences and/or Signs:	Fire or Damage from Fire Supression:
Invasive Species in Pool: Ongoing	Damage from Edge Effects:
Invasive Species in Buffer: Ongoing	Hydrological Impacts:
Other issues observed:	
Are other issues new or ongoing?	

Management Needs: Restoration/Revegetation, Recontouring pools

Other Management Needs:

Additional Management Actions Recommended: Re-contouring pools, they are not holding water

Notes: Some trash present , some minor disturbance , pools need to be reclassified as level 2 or 3 to focus restoration needs

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Brown Field Basins (J14)

Planning Unit: South

City or Other? City

Managing Department: READ

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 1/28/2020 Start Time: 10:15 AM

Surveyors: Cindy Dunn

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Wrong_Time

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed: These basins are highly disturbed due to regular airport mowing.

Are other issues new or ongoing? Ongoing

Management Needs:

Other Management Needs:

Additional Management Actions Recommended: These pools may be impacted by the MAP project. Management in pending the outcome of the mitigation for MAP.

Notes:

Visit Date: 3/11/2020 Start Time: 2:19 PM

Surveyors: Cindy Dunn

Site Conditions:

Ponded Water: no

Days Since Last Rain: 0

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs:

Other Management Needs:

Additional Management Actions Recommended: These pools may be impacted by the MAP project. Management in pending the outcome of the mitigation for MAP. 1 San Diego Button celery was found and most likely foraged by rabbits.

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Kelton (NC)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 2/11/2020 Start Time: 4:14 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: New

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Fence repair, Regular patrols recommended, Trash pickup

Other Management Needs:

Additional Management Actions Recommended: Weed control and trash pickup.

Notes:

Visit Date: 4/15/2020 Start Time: 5:14 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Restoration/Revegetation, Sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Year: 2020

Complex Name: Kelton (NC)

Visit Date: 6/17/2020 **Start Time:** 5:02 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no	Days Since Last Rain: ≥16	Fairy Shrimp Visible:
Listed Plants Visible? Absent		

New and Ongoing Issues Observed During Visit:

Trash:	Tresspass/Unauthorized Use:
Damage to Fences and/or Signs:	Fire or Damage from Fire Supression:
Invasive Species in Pool: Ongoing	Damage from Edge Effects:
Invasive Species in Buffer: Ongoing	Hydrological Impacts:
Other issues observed:	
Are other issues new or ongoing?	

Management Needs: Weed control, Restoration/Revegetation, Sign install, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Appendix B-2

2020 Vernal Pool Quantitative Monitoring Datasheets

1. Montgomery Field (N5-6)
2. Carrol Canyon/Parkdale Carroll Canyon (D5-8)
3. Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)
4. Greystone Torrey Highlands (H39)
5. Lopez Ridge (B7-8)
6. Cal Terraces (North), Otay Mesa Road Parcels (J2)
7. Cal Terraces (South) (J14)
8. Clayton Parcel (J2)
9. Goat Mesa (J16-18)
10. Nobel Drive (X5)
11. Otay Lakes (K5)
12. West Otay C (J32)
13. Robinhood Ridge (J4-5)
14. South Otay 1 acre (J13N)

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 4256

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 1.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 02:00 PM

Survey End Time: 02:28 PM

Surveyors: Cindy Dunn, Jon Mercado, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: <1%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Crassula aquatica</i> - water pygmyweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Downingia cuspidata</i> - toothed downingia	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	25-50%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	<1%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	5-10%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Phalaris lemmonii</i> - Lemmon's canary grass	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%
<i>Triglochin scilloides</i> - flowering-quillwort	1-5%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 12

Nonnative Species in Pool:

Species Name	Cover
<i>Cotula coronopifolia</i> - brass-buttons	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 4256

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Adenostoma fasciculatum</i> - chamise
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Bloomeria clevelandii</i> - San Diego goldenstar
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Galium aparine</i> - goose grass
<i>Gastridium phleoides</i> - nit grass
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Juncus bufonius</i> - toad rush
<i>Lythrum hyssopifolia</i> - grass poly
<i>Pogogyne abramsii</i> - San Diego mesa mint
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stebbinsoseris heterocarpa</i> - grassland silverpuffs
<i>Zeltnera venusta</i> - California centaury

Notes: Much of leaf litter is algal

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 4596

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.5

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 11:14 AM

Survey End Time: 12:00 AM

Surveyors: JCM, JRS

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 10-25%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Downingia cuspidata</i> - toothed downingia	1-5%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Trifolium albopurpureum</i> - rancheria clover	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 4596

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Avena</i> sp.
<i>Baccharis sarothroides</i> - broom baccharis
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dipterostemon capitatus</i> - blue dicks
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant
<i>Phalaris lemmonii</i> - Lemmon's canary grass

Notes: Algae/ bio crust counts as leaf

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5352

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.5

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 02:38 PM

Survey End Time: 12:00 AM

Surveyors: Jon Mercado, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Crassula aquatica</i> - water pygmyweed	<1%
<i>Downingia cuspidata</i> - toothed downingia	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Plagiobothrys acanthocarpus</i> - adobe popcornflower	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca perennis</i> - rye grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5352

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Adenostoma fasciculatum</i> - chamise
<i>Artemisia californica</i> - California sagebrush
<i>Avena</i> sp.
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calochortus splendens</i> - splendid mariposa lily
<i>Croton setiger</i> - doveweed
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant
<i>Lactuca serriola</i> - prickly lettuce
<i>Phalaris lemmonii</i> - Lemmon's canary grass
<i>Zeltnera venusta</i> - California centaury

Notes: Algae/ bio crust counts as leaf

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5355

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 1.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 02:40 PM

Survey End Time: 02:59 PM

Surveyors: Cindy Dunn, Jon Mercado, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: <1%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Crassula aquatica</i> - water pygmyweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Downingia cuspidata</i> - toothed downingia	<1%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	<1%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

Species Name	Cover
<i>Erodium botrys</i> - long-beak filaree/storksbill	1-5%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5355

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acacia</i> sp.
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calochortus splendens</i> - splendid mariposa lily
<i>Croton setiger</i> - doveweed
<i>Daucus pusillus</i> - rattlesnake weed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Gastridium phleoides</i> - nit grass
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Lythrum hyssopifolia</i> - grass poly
<i>Malosma laurina</i> - laurel sumac
<i>Navarretia hamata</i> - hooked skunkweed
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Sonchus oleraceus</i> - common sow thistle

Notes: Much of leaf litter is algal

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5356

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 1.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 11:14 AM

Survey End Time: 12:00 AM

Surveyors: Jon Mercado, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 10-25%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	1-5%
<i>Juncus bufonius</i> - toad rush	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5356

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon americanus</i> var. <i>americanus</i> - Spanish lotus
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Avena</i> sp.
<i>Baccharis sarothroides</i> - broom baccharis
<i>Brassica nigra</i> - black mustard
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Croton setiger</i> - doveweed
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Lactuca serriola</i> - prickly lettuce
<i>Osmadenia tenella</i> - osmadenia
<i>Phalaris lemmonii</i> - Lemmon's canary grass
<i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed
<i>Rumex crispus</i> - curly dock
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes: Algae/ bio crust counts as leaf

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5358

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 30.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 11:52 AM

Survey End Time: 12:27 PM

Surveyors: Cindy Dunn, Jon Mercado, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Crassula aquatica</i> - water pygmyweed	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Downingia cuspidata</i> - toothed downingia	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	<1%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	5-10%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Phalaris lemmonii</i> - Lemmon's canary grass	<1%
<i>Plagiobothrys acanthocarpus</i> - adobe popcornflower	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 14

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	5-10%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5358

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon americanus</i> var. <i>americanus</i> - Spanish lotus
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Baccharis sarothroides</i> - broom baccharis
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Castilleja exserta</i> ssp. <i>exserta</i> - purple owl's clover
<i>Croton setiger</i> - doveweed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dittrichia graveolens</i> - stinkwort
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Hirschfeldia incana</i> - short-pod mustard
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant
<i>Juncus bufonius</i> - toad rush
<i>Lythrum hyssopifolia</i> - grass poly
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes: Much of leaf litter is algal

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5363

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 30.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 11:23 AM

Survey End Time: 11:43 AM

Surveyors: Cindy Dunn, Jon Mercado, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Crassula aquatica</i> - water pygmyweed	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	<1%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	1-5%
<i>Plagiobothrys acanthocarpus</i> - adobe popcornflower	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 12

Nonnative Species in Pool:

Species Name	Cover
<i>Lythrum hyssopifolia</i> - grass poly	10-25%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5363

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon micranthus</i> - Grab Lotus
<i>Baccharis sarothroides</i> - broom baccharis
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Brodiaea terrestris</i> ssp. <i>kernensis</i> - Kern dwarf brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Croton setiger</i> - doveweed
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Galium aparine</i> - goose grass
<i>Hirschfeldia incana</i> - short-pod mustard
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant
<i>Juncus bufonius</i> - toad rush
<i>Lythrum hyssopifolia</i> - grass poly
<i>Navarretia hamata</i> - hooked skunkweed
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes: Much of leaf litter is algal

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5369

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 30.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 09:04 AM

Survey End Time: 12:00 AM

Surveyors: Jon Mercado, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Crassula aquatica</i> - water pygmyweed	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Downingia cuspidata</i> - toothed downingia	1-5%
<i>Eleocharis macrostachya</i> - pale spike-rush	10-25%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	1-5%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Phalaris lemmonii</i> - Lemmon's canary grass	<1%
<i>Plagiobothrys acanthocarpus</i> - adobe popcornflower	<1%
<i>Pogogyne abramsii</i> - San Diego mesa mint	10-25%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 13

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: <1%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5369

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon americanus</i> var. <i>americanus</i> - Spanish lotus
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Avena</i> sp.
<i>Baccharis sarothroides</i> - broom baccharis
<i>Brassica nigra</i> - black mustard
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Croton setiger</i> - doveweed
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Gazania linearis</i> - treasure flower
<i>Lactuca serriola</i> - prickly lettuce
<i>Pseudognaphalium</i> sp.
<i>Rumex crispus</i> - curly dock
<i>Salsola tragus</i> - Russian thistle
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes: Algae/ bio crust counts as leaf

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5371

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 15.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 10:26 AM

Survey End Time: 10:55 AM

Surveyors: Cindy Dunn, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 1-5%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Crassula aquatica</i> - water pygmyweed	<1%
<i>Cyperus eragrostis</i> - tall flatsedge	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Downingia cuspidata</i> - toothed downingia	<1%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	<1%
<i>Hordeum intercedens</i> - bobtail barley	<1%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Phalaris lemmonii</i> - Lemmon's canary grass	1-5%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Plagiobothrys acanthocarpus</i> - adobe popcornflower	5-10%
<i>Plantago elongata</i> - prairie plantain	<1%
<i>Pogogyne abramsii</i> - San Diego mesa mint	5-10%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 15

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Plantago coronopus</i> - cut-leaf plantain	1-5%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5371

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon americanus</i> var. <i>americanus</i> - Spanish lotus
<i>Avena barbata</i> - slender wild oat
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus diandrus</i> - ripgut grass
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cyperus eragrostis</i> - tall flatsedge
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dimorphotheca sinuata</i> - namaqualand daisy
<i>Dittrichia graveolens</i> - stinkwort
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant
<i>Hypochoeris glabra</i> - smooth cat's-ear
<i>Juncus bufonius</i> - toad rush
<i>Lythrum hyssopifolia</i> - grass poly
<i>Melilotus indicus</i> - sourclover
<i>Pennisetum setaceum</i> - crimson fountain grass
<i>Plantago coronopus</i> - cut-leaf plantain
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes: Algal crust counted toward

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5388

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 5.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 01:58 PM

Survey End Time: 12:00 AM

Surveyors: Jon Mercado, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Bloomeria crocea</i> - common goldenstar	<1%
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	5-10%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	1-5%
<i>Hooveria parviflora</i>	<1%
<i>Navarretia hamata</i> - hooked skunkweed	1-5%
<i>Osmadenia tenella</i> - osmadenia	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%
<i>Selaginella cinerascens</i> - ashy spike-moss	5-10%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

Species Name	Cover
<i>Avena</i> sp.	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5388

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Adenostoma fasciculatum</i> - chamise
<i>Artemisia californica</i> - California sagebrush
<i>Avena</i> sp.
<i>Bloomeria crocea</i> - common goldenstar
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calochortus splendens</i> - splendid mariposa lily
<i>Croton setiger</i> - doveweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dipterostemon capitatus</i> - blue dicks
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant
<i>Hooveria parviflora</i>
<i>Phalaris lemmonii</i> - Lemmon's canary grass

Notes: Algae/ bio crust counts as leaf

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5423

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.5

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 11:52 AM

Survey End Time: 01:45 PM

Surveyors: Jon Mercado, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Downingia cuspidata</i> - toothed downingia	1-5%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	1-5%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Navarretia hamata</i> - hooked skunkweed	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Gastridium phleoides</i> - nit grass	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 5423

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Adenostoma fasciculatum</i> - chamise
<i>Artemisia californica</i> - California sagebrush
<i>Bloomeria clevelandii</i> - San Diego goldenstar
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus madritensis</i> - foxtail chess
<i>Crocانthemum scoparium</i> - peak rush-rose
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Gastridium phleoides</i> - nit grass
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Juncus bufonius</i> - toad rush
<i>Lythrum hyssopifolia</i> - grass poly
<i>Osmadenia tenella</i> - osmadenia
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Stebbinsoseris heterocarpa</i> - grassland silverpuffs
<i>Stephanomeria</i> sp.

Notes: Much of leaf litter is algal

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 6351

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.5

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/15/2020

Survey Start Time: 03:17 PM

Survey End Time: 12:00 AM

Surveyors: Jon Mercado, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

Species Name	Cover
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca perennis</i> - rye grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 6351

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Avena</i> sp.
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Lactuca serriola</i> - prickly lettuce
<i>Malosma laurina</i> - laurel sumac
<i>Quercus berberidifolia</i> - scrub oak
<i>Zeltnera venusta</i> - California centaury

Notes: Algae/ bio crust counts as leaf

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 6384

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 20.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data
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Survey Date: 5/15/2020

Survey Start Time: 11:14 AM

Survey End Time: 12:00 AM

Surveyors: Jon Mercado, J.R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Montgomery Field (N5-6)

VP ID: 6384

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon americanus</i> var. <i>americanus</i> - Spanish lotus
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Avena</i> sp.
<i>Baccharis sarothroides</i> - broom baccharis
<i>Brassica nigra</i> - black mustard
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Croton setiger</i> - doveweed
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Lactuca serriola</i> - prickly lettuce
<i>Phalaris lemmonii</i> - Lemmon's canary grass
<i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes: Algae/ bio crust counts as leaf

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1077

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.5

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 1.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/28/2020

Survey Start Time: 09:32 AM

Survey End Time: 10:44 AM

Surveyors: Sara Allen, Paula Birdwell, Erik Stamm

VPHCP Covered Species Present: POAB, NAFO, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin: 1-5%

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Agrostis microphylla</i> - small-leaf bent grass	<1%
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	1-5%
<i>Cuscuta californica</i> - chaparral dodder	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	5-10%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

Species Name	Cover
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	5-10%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: <1%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1077

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Adenostoma fasciculatum</i> - chamise
<i>Agrostis microphylla</i> - small-leaf bent grass
<i>Antirrhinum nuttallianum</i> - Nuttall's Snapdragon
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus madritensis</i> - foxtail chess
<i>Crassula connata</i> - pygmy-weed
<i>Cuscuta californica</i> - chaparral dodder
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Juncus bufonius</i> - toad rush
<i>Juncus dubius</i> - mariposa rush
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Navarretia hamata</i> - hooked skunkweed
<i>Pogogyne abramsii</i> - San Diego mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stylocline gnaphaloides</i> - everlasting neststraw

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1092

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 3.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/28/2020

Survey Start Time: 10:55 AM

Survey End Time: 11:34 AM

Surveyors: Sara Allen, Paula Birdwell, Erik Stamm

VPHCP Covered Species Present: POAB, NAFO, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin:

Cover of POAB in Basin: 10-25%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Agrostis microphylla</i> - small-leaf bent grass	<1%
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Callitriche marginata</i> - winged water-starwort	1-5%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Downingia cuspidata</i> - toothed downingia	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	1-5%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	1-5%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 12

Nonnative Species in Pool:

Species Name	Cover
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: <1%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1092

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Adenostoma fasciculatum</i> - chamise
<i>Apiastrum angustifolium</i> - mock-parsley
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus madritensis</i> - foxtail chess
<i>Castilleja exserta</i> ssp. <i>exserta</i> - purple owl's clover
<i>Crassula connata</i> - pygmy-weed
<i>Cryptantha intermedia</i> var. <i>intermedia</i> - common cryptantha
<i>Cuscuta californica</i> - chaparral dodder
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia minima</i> - chaffweed
<i>Lythrum hyssopifolia</i> - grass poly
<i>Navarretia hamata</i> - hooked skunkweed
<i>Pogogyne abramsii</i> - San Diego mesa mint
<i>Polypogon interruptus</i> - ditch beard grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Salvia mellifera</i> - black sage
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stylocline gnaphaloides</i> - everlasting neststraw
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1096

2003 Baseline Survey Data

Baseline Cover of ERAR: 10.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 1.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/28/2020

Survey Start Time: 11:55 AM

Survey End Time:

Surveyors: Sara Allen, Paula Birdwell, Erik Stamm

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 25-50%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	1-5%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

Species Name	Cover
<i>Geranium dissectum</i> - cut-leaf geranium	<1%
<i>Schismus barbatus</i> - Mediterranean schismus	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1096

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Adenostoma fasciculatum</i> - chamise
<i>Agrostis microphylla</i> - small-leaf bent grass
<i>Agrostis</i> sp.
<i>Antirrhinum nuttallianum</i> - Nuttall's Snapdragon
<i>Bromus madritensis</i> - foxtail chess
<i>Castilleja exserta</i> ssp. <i>exserta</i> - purple owl's clover
<i>Cuscuta californica</i> - chaparral dodder
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Galium angustifolium</i> ssp. <i>angustifolium</i> - narrow leaved bedstraw
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Juncus bufonius</i> - toad rush
<i>Juncus dubius</i> - mariposa rush
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Navarretia hamata</i> - hooked skunkweed
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1109

2003 Baseline Survey Data

Baseline Cover of ERAR: 20.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 3.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/28/2020

Survey Start Time: 03:17 PM

Survey End Time: 03:39 PM

Surveyors: Sara Allen, Paula Birdwell, Erik Stamm

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 10-25%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Juncus dubius</i> - mariposa rush	<1%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Polypogon monspeliensis</i> - rabbitfoot grass	10-25%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 1

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1109

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Adenostoma fasciculatum</i> - chamise
<i>Agrostis</i> sp.
<i>Antirrhinum nuttallianum</i> - Nuttall's Snapdragon
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Crassula connata</i> - pygmy-weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Juncus bufonius</i> - toad rush
<i>Juncus dubius</i> - mariposa rush
<i>Navarretia hamata</i> - hooked skunkweed
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1740

2003 Baseline Survey Data

Baseline Cover of ERAR: 30.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 5.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data
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Survey Date: 5/28/2020

Survey Start Time: 02:21 PM

Survey End Time: 12:00 AM

Surveyors: Sara Allen, Paula Birdwell, Erik Stamm

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 50-75%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus dubius</i> - mariposa rush	1-5%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

Species Name	Cover
<i>Polypogon monspeliensis</i> - rabbitfoot grass	5-10%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 1

Bare Ground Cover in Basin: <1%

Cover of Rocks/Cobble in Basin: <1%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1740

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Adenostoma fasciculatum</i> - chamise
<i>Antirrhinum nuttallianum</i> - Nuttall's Snapdragon
<i>Apiastrum angustifolium</i> - mock-parsley
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Diplacus aurantiacus</i> - orange bush monkeyflower
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Juncus dubius</i> - mariposa rush
<i>Navarretia hamata</i> - hooked skunkweed
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1743

2003 Baseline Survey Data

Baseline Cover of ERAR: 20.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/28/2020

Survey Start Time: 02:31 PM

Survey End Time: 03:06 PM

Surveyors: Sara Allen, Paula Birdwell, Erik Stamm

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	1-5%
<i>Cuscuta californica</i> - chaparral dodder	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	5-10%
<i>Eleocharis macrostachya</i> - pale spike-rush	<1%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

Species Name	Cover
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	10-25%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1743

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Adenostoma fasciculatum</i> - chamise
<i>Antirrhinum nuttallianum</i> - Nuttall's Snapdragon
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cuscuta californica</i> - chaparral dodder
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Hirschfeldia incana</i> - short-pod mustard
<i>Hooveria parviflora</i>
<i>Juncus bufonius</i> - toad rush
<i>Juncus dubius</i> - mariposa rush
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lythrum hyssopifolia</i> - grass poly
<i>Navarretia hamata</i> - hooked skunkweed
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stephanomeria diegensis</i> - San Diego wreath-plant
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1746

2003 Baseline Survey Data

Baseline Cover of ERAR: 10.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 1.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data
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Survey Date: 5/28/2020

Survey Start Time: 01:25 PM

Survey End Time: 02:07 PM

Surveyors: Sara Allen, Paula Birdwell, Erik Stamm

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: <1%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Downingia cuspidata</i> - toothed downingia	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

Species Name	Cover
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Carroll Canyon/Parkdale Carroll Canyon (D5-8)

VP ID: 1746

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Adenostoma fasciculatum</i> - chamise
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Crassula connata</i> - pygmy-weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia peplus</i> - petty spurge
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Juncus dubius</i> - mariposa rush
<i>Navarretia hamata</i> - hooked skunkweed
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Solanum</i> sp.
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 1255

2003 Baseline Survey Data

Baseline Cover of ERAR: 25.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 6/12/2020

Survey Start Time: 01:45 PM

Survey End Time: 12:00 AM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	5-10%
<i>Deschampsia danthonioides</i> - annual hair grass	10-25%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Plantago elongata</i> - prairie plantain	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%
<i>Psilocarphus tenellus</i> - slender woolly-marbles	<1%
<i>Selaginella cinerascens</i> - ashy spike-moss	<1%
<i>Sisyrinchium bellum</i> - western blue-eyed-grass	<1%
<i>Stipa lepida</i> - foothill needle grass	<1%
<i>Zeltnera venusta</i> - California centaury	10-25%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 12

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Logfia gallica</i> - daggerleaf cottonrose	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 1255

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Adenostoma fasciculatum</i> - chamise
<i>Artemisia californica</i> - California sagebrush
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Crassula</i> sp.
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Gastridium phleoides</i> - nit grass
<i>Heteromeles arbutifolia</i> - toyon
<i>Pilularia americana</i> - American pillwort
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Psilocarphus tenellus</i> - slender woolly-marbles
<i>Quercus dumosa</i> - Nuttall's scrub oak
<i>Rhus integrifolia</i> - lemonade berry
<i>Salvia mellifera</i> - black sage
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 1260

2003 Baseline Survey Data

Baseline Cover of ERAR: 30.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 6/12/2020

Survey Start Time: 02:05 PM

Survey End Time: 02:23 PM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: POAB, ERAR, NAFO

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin:

Cover of POAB in Basin: 1-5%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Crassula</i> sp.	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	10-25%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Plantago elongata</i> - prairie plantain	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Psilocarphus tenellus</i> - slender woolly-marbles	<1%
<i>Sisyrinchium bellum</i> - western blue-eyed-grass	<1%
<i>Stipa lepida</i> - foothill needle grass	<1%
<i>Veronica peregrina</i> ssp. <i>xalapensis</i> - purslane speedwell	<1%
<i>Zeltnera venusta</i> - California centaury	5-10%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 15

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Gastridium phleoides</i> - nit grass	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%
<i>Spergularia</i> sp.	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 1260

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Adenostoma fasciculatum</i> - chamise
<i>Artemisia californica</i> - California sagebrush
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calochortus splendens</i> - splendid mariposa lily
<i>Centaurea melitensis</i> - tocalote
<i>Comarostaphylis diversifolia</i> - summer holly
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Gastridium phleoides</i> - nit grass
<i>Heteromeles arbutifolia</i> - toyon
<i>Juncus bufonius</i> - toad rush
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Navarretia hamata</i> - hooked skunkweed
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Plantago elongata</i> - prairie plantain
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Quercus dumosa</i> - Nuttall's scrub oak
<i>Rhus integrifolia</i> - lemonade berry
<i>Salvia mellifera</i> - black sage
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Veronica peregrina</i> ssp. <i>xalapensis</i> - purslane speedwell
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 1264

2003 Baseline Survey Data

Baseline Cover of ERAR: 15.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 6/12/2020

Survey Start Time: 11:31 AM

Survey End Time: 11:57 AM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Crassula</i> sp.	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	<1%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Navarretia hamata</i> - hooked skunkweed	1-5%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Veronica peregrina</i> ssp. <i>xalapensis</i> - purslane speedwell	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 13

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 1264

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Adenostoma fasciculatum</i> - chamise
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Elatine brachysperma</i> - short-seed waterwort
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Galium aparine</i> - goose grass
<i>Gastridium phleoides</i> - nit grass
<i>Heteromeles arbutifolia</i> - toyon
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Juncus bufonius</i> - toad rush
<i>Lysimachia minima</i> - chaffweed
<i>Navarretia hamata</i> - hooked skunkweed
<i>Pilularia americana</i> - American pillwort
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Quercus dumosa</i> - Nuttall's scrub oak
<i>Rafinesquia californica</i> - California chicory
<i>Rhus integrifolia</i> - lemonade berry
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stylocline gnaphaloides</i> - everlasting neststraw
<i>Toxicoscordion fremontii</i> - Fremont's camas
<i>Veronica peregrina</i> ssp. <i>xalapensis</i> - purslane speedwell
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 1272

2003 Baseline Survey Data

Baseline Cover of ERAR: 10.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 6/12/2020

Survey Start Time: 10:38 AM

Survey End Time: 11:24 AM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Crassula</i> sp.	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	5-10%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	<1%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Juncus dubius</i> - mariposa rush	1-5%
<i>Lysimachia minima</i> - chaffweed	1-5%
<i>Navarretia hamata</i> - hooked skunkweed	1-5%
<i>Pilularia americana</i> - American pillwort	1-5%
<i>Plantago erecta</i> - dot-seed plantain	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Psilocarphus tenellus</i> - slender woolly-marbles	<1%
<i>Selaginella cinerascens</i> - ashy spike-moss	1-5%
<i>Zeltnera venusta</i> - California centaury	1-5%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 16

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Gastridium phleoides</i> - nit grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 50-75%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 1272

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Adenostoma fasciculatum</i> - chamise
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Crassula</i> sp.
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Elatine brachysperma</i> - short-seed waterwort
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Gamochaeta stagnalis</i> - desert cudweed
<i>Gastroidium phleoides</i> - nit grass
<i>Isoetes orcuttii</i> - Orcutt's quillwort
<i>Juncus bufonius</i> - toad rush
<i>Juncus dubius</i> - mariposa rush
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia minima</i> - chaffweed
<i>Navarretia hamata</i> - hooked skunkweed
<i>Pilularia americana</i> - American pillwort
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Psilocarphus tenellus</i> - slender woolly-marbles
<i>Quercus dumosa</i> - Nuttall's scrub oak
<i>Rhus integrifolia</i> - lemonade berry
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 1842

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 15.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 6/12/2020

Survey Start Time: 12:51 PM

Survey End Time: 01:27 PM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: ERAR, POAB

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 25-50%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%
<i>Psilocarphus tenellus</i> - slender woolly-marbles	<1%
<i>Selaginella cinerascens</i> - ashy spike-moss	<1%
<i>Veronica peregrina</i> ssp. <i>xalapensis</i> - purslane speedwell	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

Species Name	Cover
<i>Avena barbata</i> - slender wild oat	<1%
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Gastridium phleoides</i> - nit grass	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 50-75%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 1842

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Adenostoma fasciculatum</i> - chamise
<i>Avena barbata</i> - slender wild oat
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Castilleja densiflora</i> ssp. <i>gracilis</i> - graceful owl's clover
<i>Centaurea melitensis</i> - tocalote
<i>Clarkia</i> sp.
<i>Cneoridium dumosum</i> - bushrue
<i>Cuscuta californica</i> - chaparral dodder
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dipterostemon capitatus</i> - blue dicks
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Gastridium phleoides</i> - nit grass
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Juncus bufonius</i> - toad rush
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Malosma laurina</i> - laurel sumac
<i>Marah macrocarpa</i> - chilicothe
<i>Navarretia hamata</i> - hooked skunkweed
<i>Osmadenia tenella</i> - osmadenia
<i>Pentachaeta aurea</i> ssp. <i>aurea</i> - golden-rayed pentachaeta
<i>Pentagramma triangularis</i> - goldback fern
<i>Pogogyne abramsii</i> - San Diego mesa mint
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus tenellus</i> - slender woolly-marbles
<i>Rafinesquia californica</i> - California chicory
<i>Salvia mellifera</i> - black sage
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 1842

<i>Stephanomeria</i> sp.
<i>Stylocline gnaphaloides</i> - everlasting neststraw
<i>Trifolium microcephalum</i> - small-head clover
<i>Trifolium willdenovii</i> - tomcat clover
<i>Xylococcus bicolor</i> - mission manzanita
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 2468

2004 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data
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Survey Date: 6/12/2020

Survey Start Time: 09:48 AM

Survey End Time: 10:22 AM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Adenostoma fasciculatum</i> - chamise	<1%
<i>Crassula</i> sp.	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Selaginella cinerascens</i> - ashy spike-moss	1-5%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 50-75%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Del Mar Mesa (H 1-10, 13-15, 18-23, 24-26)

VP ID: 2468

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Adenostoma fasciculatum</i> - chamise
<i>Apiastrum angustifolium</i> - mock-parsley
<i>Baccharis pilularis</i> - coyote brush
<i>Cneoridium dumosum</i> - bushrue
<i>Crassula connata</i> - pygmy-weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca octoflora</i> - sixweeks grass
<i>Gamochaeta stagnalis</i> - desert cudweed
<i>Juncus bufonius</i> - toad rush
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail
<i>Navarretia hamata</i> - hooked skunkweed
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium</i> sp.
<i>Psilocarphus tenellus</i> - slender woolly-marbles
<i>Pterostegia drymarioides</i> - granny's hairnet
<i>Quercus dumosa</i> - Nuttall's scrub oak
<i>Rhus integrifolia</i> - lemonade berry
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Greystone Torrey Highlands (H39)

VP ID: 1177

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 3.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/28/2020

Survey Start Time: 04:48 PM

Survey End Time: 05:11 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 10-25%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Opuntia littoralis</i> - coast prickly-pear	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

Species Name	Cover
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	10-25%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	5-10%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Greystone Torrey Highlands (H39)

VP ID: 1177

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Acmispon micranthus</i> - Grab Lotus
<i>Amsinckia intermedia</i> - common fiddleneck
<i>Baccharis pilularis</i> - coyote brush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Crassula connata</i> - pygmy-weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dittrichia graveolens</i> - stinkwort
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Geranium californicum</i> - California geranium
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Heteromeles arbutifolia</i> - toyon
<i>Hypochoeris glabra</i> - smooth cat's-ear
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Navarretia hamata</i> - hooked skunkweed
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Pogogyne abramsii</i> - San Diego mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Solanum</i> sp.
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria diegensis</i> - San Diego wreath-plant

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Greystone Torrey Highlands (H39)

VP ID: 1177

<i>Stipa pulchra</i> - purple needle grass
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Lopez Ridge (B7-8)

VP ID: 706

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 2.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/21/2020

Survey Start Time: 10:04 AM

Survey End Time: 11:28 AM

Surveyors: Sara Allen, Paula Birdwell

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 10-25%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	5-10%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	5-10%
<i>Downingia cuspidata</i> - toothed downingia	5-10%
<i>Juncus bufonius</i> - toad rush	5-10%
<i>Lysimachia minima</i> - chaffweed	1-5%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Opuntia littoralis</i> - coast prickly-pear	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattle sixweeks grass	<1%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Phalaris aquatica</i> - harding grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Silene gallica</i> - windmill pink	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Lopez Ridge (B7-8)

VP ID: 706

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Acmispon micranthus</i> - Grab Lotus
<i>Adenostoma fasciculatum</i> - chamise
<i>Avena barbata</i> - slender wild oat
<i>Bloomeria clevelandii</i> - San Diego goldenstar
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus diandrus</i> - ripgut grass
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Castilleja densiflora</i> ssp. <i>gracilis</i> - graceful owl's clover
<i>Centaurea melitensis</i> - tocalote
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i> - four-spot
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dipterostemon capitatus</i> - blue dicks
<i>Dittrichia graveolens</i> - stinkwort
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Galium angustifolium</i> ssp. <i>angustifolium</i> - narrow leaved bedstraw
<i>Gastridium phleoides</i> - nit grass
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Lathyrus vestitus</i> var. <i>alefeldii</i> - San Diego sweet pea
<i>Lupinus bicolor</i> - miniature lupine
<i>Lysimachia minima</i> - chaffweed
<i>Malosma laurina</i> - laurel sumac
<i>Navarretia hamata</i> - hooked skunkweed
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Osmadenia tenella</i> - osmadenia
<i>Pentachaeta aurea</i> ssp. <i>aurea</i> - golden-rayed pentachaeta
<i>Pentagramma glanduloviscida</i> - San Diego silverback fern
<i>Pogogyne abramsii</i> - San Diego mesa mint
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Lopez Ridge (B7-8)

VP ID: 706

<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa diegoensis</i> - San Diego needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Xylococcus bicolor</i> - mission manzanita
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Lopez Ridge (B7-8)

VP ID: 712

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 1.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/21/2020

Survey Start Time: 11:36 AM

Survey End Time: 12:03 PM

Surveyors: Sara Allen, Paula Birdwell

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 25-50%

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Downingia cuspidata</i> - toothed downingia	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Selaginella cinerascens</i> - ashy spike-moss	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Lopez Ridge (B7-8)

VP ID: 712

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Adenostoma fasciculatum</i> - chamise
<i>Avena barbata</i> - slender wild oat
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Castilleja densiflora</i> ssp. <i>gracilis</i> - graceful owl's clover
<i>Ceanothus tomentosus</i> - Ramona-lilac
<i>Centaurea melitensis</i> - tocalote
<i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i> - four-spot
<i>Crocanthemum scoparium</i> - peak rush-rose
<i>Cuscuta californica</i> - chaparral dodder
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dipterostemon capitatus</i> - blue dicks
<i>Dittrichia graveolens</i> - stinkwort
<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Gastridium phleoides</i> - nit grass
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Malosma laurina</i> - laurel sumac
<i>Navarretia hamata</i> - hooked skunkweed
<i>Osmadenia tenella</i> - osmadenia
<i>Pentachaeta aurea</i> ssp. <i>aurea</i> - golden-rayed pentachaeta
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Stylocline gnaphaloides</i> - everlasting neststraw

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 42

2003 Baseline Survey Data

Baseline Cover of ERAR: 63.0

Baseline Cover of NAFO: 3.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 38.0

2020 Quantitative Monitoring Data

Survey Date: 6/19/2020

Survey Start Time: 11:15 AM

Survey End Time: 11:35 AM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: NAFO, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Bergia texana</i> - Texas bergia	1-5%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Epilobium campestre</i> - smooth boisduvalia	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Lysimachia minima</i> - chaffweed	1-5%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Pilularia americana</i> - American pillwort	5-10%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 14

Nonnative Species in Pool:

Species Name	Cover
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 42

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cryptantha</i> sp.
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dittrichia graveolens</i> - stinkwort
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Gamochaeta stagnalis</i> - desert cudweed
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia minima</i> - chaffweed
<i>Navarretia hamata</i> - hooked skunkweed
<i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Psilocarphus tenellus</i> - slender woolly-marbles
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 51

2003 Baseline Survey Data

Baseline Cover of ERAR: 38.0

Baseline Cover of NAFO: 1.0

Baseline Cover of ORCA: 1.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 38.0

2020 Quantitative Monitoring Data

Survey Date: 6/19/2020

Survey Start Time: 11:41 AM

Survey End Time: 12:02 PM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: PONU, NAFO, ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Baccharis sarothroides</i> - broom baccharis	1-5%
<i>Bergia texana</i> - Texas bergia	<1%
<i>Cylindropuntia prolifera</i> - coast cholla	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	<1%
<i>Epilobium campestre</i> - smooth boisduvalia	75-100%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Lysimachia minima</i> - chaffweed	1-5%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Plantago elongata</i> - prairie plantain	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 75-100%

Other Native Species Richness in Basin: 14

Nonnative Species in Pool:

Species Name	Cover
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 51

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Amaranthus albus</i> - tumbleweed
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Amsinckia</i> sp.
<i>Artemisia californica</i> - California sagebrush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bergerocactus emoryi</i> - golden-spined cereus
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Callitriche marginata</i> - winged water-starwort
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dittrichia graveolens</i> - stinkwort
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Epilobium campestre</i> - smooth boisduvalia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Juncus bufonius</i> - toad rush
<i>Laennecia coulteri</i> - Coulter's horseweed
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lysimachia minima</i> - chaffweed
<i>Lythrum hyssopifolia</i> - grass poly
<i>Peritoma arborea</i> - bladderpod
<i>Pilularia americana</i> - American pillwort
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Ricinus communis</i> - castor bean

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 51

<i>Silene gallica</i> - windmill pink
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes: CAGN

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 67

2003 Baseline Survey Data

Baseline Cover of ERAR: 3.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 63.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 10:54 AM

Survey End Time: 11:22 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Baccharis sarothroides</i> - broom baccharis	1-5%
<i>Cylindropuntia prolifera</i> - coast cholla	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Navarretia hamata</i> - hooked skunkweed	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Sisyrinchium bellum</i> - western blue-eyed-grass	1-5%
<i>Typha</i> sp.	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	<1%
<i>Gastridium phleoides</i> - nit grass	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	1-5%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 67

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Antirrhinum nuttallianum</i> - Nuttall's Snapdragon
<i>Artemisia californica</i> - California sagebrush
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Euphorbia misera</i> - cliff spurge
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gastridium phleoides</i> - nit grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Navarretia hamata</i> - hooked skunkweed
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes: CAGN, unidentified grass

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 78

2003 Baseline Survey Data

Baseline Cover of ERAR: 38.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 1.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 10:48 AM

Survey End Time: 11:28 AM

Surveyors: Sara Allen

VPHCP Covered Species Present: PONU, ERAR, ORCA

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin: <1%

Cover of POAB in Basin:

Cover of PONU in Basin: 5-10%

Other Native Species in Pool:

Species Name	Cover
<i>Crassula aquatica</i> - water pygmyweed	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Eleocharis macrostachya</i> - pale spike-rush	10-25%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Juncus bufonius</i> - toad rush	5-10%
<i>Marsilea vestita</i> - hairy waterclove	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Centaurea melitensis</i> - tocalote	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 78

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brachypodium distachyon</i> - purple false brome
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Mesembryanthemum crystallinum</i> - crystalline iceplant
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Navarretia hamata</i> - hooked skunkweed
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Rosa minutifolia</i> - small-leaved rose
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stephanomeria diegensis</i> - San Diego wreath-plant
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 78

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 89

2003 Baseline Survey Data

Baseline Cover of ERAR: 16.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 63.0

2020 Quantitative Monitoring Data

Survey Date: 6/19/2020

Survey Start Time: 12:59 PM

Survey End Time: 01:20 PM

Surveyors: Ryan Meszaros, Brenda Bennett

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 25-50%

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Plantago elongata</i> - prairie plantain	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	10-25%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 89

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Avena fatua</i> - wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia</i> sp.
<i>Lysimachia minima</i> - chaffweed
<i>Mesembryanthemum crystallinum</i> - crystalline iceplant
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Navarretia hamata</i> - hooked skunkweed
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa pulchra</i> - purple needle grass
<i>Toxicoscordion fremontii</i> - Fremont's camas
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 96

2003 Baseline Survey Data

Baseline Cover of ERAR: 63.0

Baseline Cover of NAFO: 1.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 3.0

2020 Quantitative Monitoring Data

Survey Date: 6/19/2020

Survey Start Time: 01:26 PM

Survey End Time: 01:42 PM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Epilobium campestre</i> - smooth boisduvalia	5-10%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

Species Name	Cover
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 96

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Antirrhinum nuttallianum</i> - Nuttall's Snapdragon
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brachypodium distachyon</i> - purple false brome
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Distichlis spicata</i> - salt grass
<i>Erigeron canadensis</i> - horseweed
<i>Erigeron sumatrensis</i> - tropical horseweed
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Mesembryanthemum crystallinum</i> - crystalline iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Navarretia hamata</i> - hooked skunkweed
<i>Rhus integrifolia</i> - lemonade berry
<i>Rosa minutifolia</i> - small-leaved rose
<i>Salsola tragus</i> - Russian thistle
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa pulchra</i> - purple needle grass
<i>Toxicoscordion fremontii</i> - Fremont's camas
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 100

2003 Baseline Survey Data

Baseline Cover of ERAR: 80.0

Baseline Cover of NAFO: 3.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 10:45 AM

Survey End Time: 11:07 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Marsilea vestita</i> - hairy waterclover	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	10-25%
<i>Toxicoscordion fremontii</i> - Fremont's camas	<1%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 13

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 100

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Distichlis spicata</i> - salt grass
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eriogonum gracile</i> - slender buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Silene gallica</i> - windmill pink
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 295

2003 Baseline Survey Data

Baseline Cover of ERAR: 38.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 11:19 AM

Survey End Time: 11:42 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Baccharis sarothroides</i> - broom baccharis	<1%
<i>Callitriche marginata</i> - winged water-starwort	1-5%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 295

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brassica nigra</i> - black mustard
<i>Bromus madritensis</i> - foxtail chess
<i>Carduus pycnocephalus</i> ssp. <i>pycnocephalus</i> - Italian thistle
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Distichlis spicata</i> - salt grass
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Euphorbia</i> sp.
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i> - Mediterranean barley
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Malosma laurina</i> - laurel sumac
<i>Mesembryanthemum crystallinum</i> - crystalline iceplant
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Navarretia hamata</i> - hooked skunkweed
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Simmondsia chinensis</i> - jojoba
<i>Solanum</i> sp.
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 295

<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 301

2003 Baseline Survey Data

Baseline Cover of ERAR: 63.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 37.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 09:28 AM

Survey End Time: 09:50 AM

Surveyors: Ryan Meszaros, Brenda Bennett

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 10-25%

Other Native Species in Pool:

Species Name	Cover
<i>Crassula aquatica</i> - water pygmyweed	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	1-5%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 301

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex canescens</i> - four-wing saltbush
<i>Bromus madritensis</i> - foxtail chess
<i>Carduus pycnocephalus</i> ssp. <i>pycnocephalus</i> - Italian thistle
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gamochaeta stagnalis</i> - desert cudweed
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Hooveria parviflora</i>
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Mesembryanthemum crystallinum</i> - crystalline iceplant
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Simmondsia chinensis</i> - jojoba
<i>Sisymbrium irio</i> - London rocket
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Yucca schidigera</i> - Mojave yucca

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 445

2003 Baseline Survey Data

Baseline Cover of ERAR: 63.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 38.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 09:52 AM

Survey End Time: 10:16 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR, ORCA

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin: <1%

Cover of POAB in Basin:

Cover of PONU in Basin: 25-50%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	50-75%
<i>Toxicoscordion fremontii</i> - Fremont's camas	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 50-75%

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 445

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gastridium phleoides</i> - nit grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Navarretia hamata</i> - hooked skunkweed
<i>Rosa minutifolia</i> - small-leaved rose
<i>Salsola tragus</i> - Russian thistle
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stephanomeria</i> sp.
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 447

2003 Baseline Survey Data

Baseline Cover of ERAR: 63.0

Baseline Cover of NAFO: 1.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 09:58 AM

Survey End Time: 10:20 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Epilobium campestre</i> - smooth boisduvalia	25-50%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 447

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dittrichia graveolens</i> - stinkwort
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lythrum hyssopifolia</i> - grass poly
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa pulchra</i> - purple needle grass
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 449

2003 Baseline Survey Data

Baseline Cover of ERAR: 38.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 38.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 10:25 AM

Survey End Time: 10:49 AM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 10-25%

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Eleocharis macrostachya</i> - pale spike-rush	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Plagiobothrys acanthocarpus</i> - adobe popcornflower	<1%
<i>Plantago elongata</i> - prairie plantain	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	25-50%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

Species Name	Cover
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet	<1%
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 449

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Chenopodium murale</i> - nettle-leaf goosefoot
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Grindelia camporum</i> - gumplant
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia arizonica</i> - Arizona cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum crystallinum</i> - crystalline iceplant
<i>Phacelia cicutaria</i> - caterpillar phacelia
<i>Plantago erecta</i> - dot-seed plantain
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed
<i>Rhus integrifolia</i> - lemonade berry
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 450

2003 Baseline Survey Data

Baseline Cover of ERAR: 38.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 38.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 09:48 AM

Survey End Time: 10:21 AM

Surveyors: Ryan Meszaros, Brenda Bennett

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Baccharis sarothroides</i> - broom baccharis	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Plagiobothrys acanthocarpus</i> - adobe popcornflower	1-5%
<i>Plantago elongata</i> - prairie plantain	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	10-25%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Logfia gallica</i> - daggerleaf cottonrose	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 450

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Avena barbata</i> - slender wild oat
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Carduus pycnocephalus</i> ssp. <i>pycnocephalus</i> - Italian thistle
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dipterostemon capitatus</i> - blue dicks
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia arizonica</i> - Arizona cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Mesembryanthemum crystallinum</i> - crystalline iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Peritoma arborea</i> - bladderpod
<i>Plagiobothrys collinus</i> - Cooper's popcornflower
<i>Plantago elongata</i> - prairie plantain
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed
<i>Psilocarphus tenellus</i> - slender woolly-marbles

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 450

<i>Salsola tragus</i> - Russian thistle
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 451

2003 Baseline Survey Data

Baseline Cover of ERAR: 16.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 3.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 11:11 AM

Survey End Time: 12:00 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Bergia texana</i> - Texas bergia	25-50%
<i>Deinandra conjugens</i> - Otay tarplant	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Centaurea melitensis</i> - tocalote	<1%
<i>Erodium cicutarium</i> - redstem filaree	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Phalaris minor</i> - little-seeded canary grass	1-5%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	1-5%
<i>Sonchus oleraceus</i> - common sow thistle	1-5%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 451

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cryptantha muricata</i> - prickly cryptantha
<i>Deinandra conjugens</i> - Otay tarplant
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Grindelia camporum</i> - gumplant
<i>Lactuca serriola</i> - prickly lettuce
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Lythrum hyssopifolia</i> - grass poly
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes: CAGN

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 452

2003 Baseline Survey Data

Baseline Cover of ERAR: 80.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 10:55 AM

Survey End Time: 12:00 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 5-10%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deinandra conjugens</i> - Otay tarplant	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca perennis</i> - rye grass	<1%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Parapholis incurva</i> - sicklegrass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 452

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Brachypodium distachyon</i> - purple false brome
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra conjugens</i> - Otay tarplant
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gastridium phleoides</i> - nit grass
<i>Hypochoeris glabra</i> - smooth cat's-ear
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Parapholis incurva</i> - sicklegrass
<i>Phalaris minor</i> - little-seeded canary grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Simmondsia chinensis</i> - jojoba
<i>Solanum americanum</i> - white nightshade
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 452

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 459

2003 Baseline Survey Data

Baseline Cover of ERAR: 38.0

Baseline Cover of NAFO: 3.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 12:43 PM

Survey End Time: 01:12 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Bergia texana</i> - Texas bergia	<1%
<i>Deinandra conjugens</i> - Otay tarplant	1-5%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Sonchus oleraceus</i> - common sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 459

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Apiastrum angustifolium</i> - mock-parsley
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bergerocactus emoryi</i> - golden-spined cereus
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra conjugens</i> - Otay tarplant
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Epilobium ciliatum</i> - willow herb
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia arizonica</i> - Arizona cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 459

Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 464

2003 Baseline Survey Data

Baseline Cover of ERAR: 16.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 12:32 PM

Survey End Time: 12:57 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Baccharis sarothroides</i> - broom baccharis	<1%
<i>Bergia texana</i> - Texas bergia	25-50%
<i>Convolvulus simulans</i> - small-flowered morning-glory	<1%
<i>Deinandra conjugens</i> - Otay tarplant	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Typha</i> sp.	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

Species Name	Cover
<i>Brassica nigra</i> - black mustard	<1%
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Centaurea melitensis</i> - tocalote	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Erodium cicutarium</i> - redstem filaree	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 10

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 464

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Avena fatua</i> - wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Convolvulus simulans</i> - small-flowered morning-glory
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra conjugens</i> - Otay tarplant
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dittrichia graveolens</i> - stinkwort
<i>Encelia californica</i> - California encelia
<i>Erigeron bonariensis</i> - flax-leaved horseweed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium cicutarium</i> - redstem filaree
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Grindelia camporum</i> - gumplant
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Malosma laurina</i> - laurel sumac
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 464

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 471

2003 Baseline Survey Data

Baseline Cover of ERAR: 38.0

Baseline Cover of NAFO: 3.0

Baseline Cover of ORCA: 3.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 38.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 01:02 PM

Survey End Time: 01:34 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR, NAFO

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Baccharis sarothroides</i> - broom baccharis	1-5%
<i>Bergia texana</i> - Texas bergia	1-5%
<i>Deinandra conjugens</i> - Otay tarplant	1-5%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Epilobium campestre</i> - smooth boisduvalia	25-50%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Marsilea vestita</i> - hairy waterclover	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 471

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brassica nigra</i> - black mustard
<i>Bromus diandrus</i> - ripgut grass
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra conjugens</i> - Otay tarplant
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dittrichia graveolens</i> - stinkwort
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa pulchra</i> - purple needle grass
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 473

2003 Baseline Survey Data

Baseline Cover of ERAR: 38.0

Baseline Cover of NAFO: 16.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 01:28 PM

Survey End Time: 02:08 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR, PONU, NAFO

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin: 5-10%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	1-5%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	10-25%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 473

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bergerocactus emoryi</i> - golden-spined cereus
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Juncus bufonius</i> - toad rush
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Navarretia hamata</i> - hooked skunkweed
<i>Phalaris minor</i> - little-seeded canary grass
<i>Plantago elongata</i> - prairie plantain
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 483

2003 Baseline Survey Data

Baseline Cover of ERAR: 38.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 3.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 02:15 PM

Survey End Time: 02:54 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR, ORCA

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin: <1%

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	1-5%
<i>Eleocharis macrostachya</i> - pale spike-rush	<1%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Marsilea vestita</i> - hairy waterclover	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	25-50%
<i>Simmondsia chinensis</i> - jojoba	<1%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 12

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 483

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bergerocactus emoryi</i> - golden-spined cereus
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Callitriche marginata</i> - winged water-starwort
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Elatine brachysperma</i> - short-seed waterwort
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Epilobium campestre</i> - smooth boisduvalia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Lycium californicum</i> - California box-thorn
<i>Navarretia hamata</i> - hooked skunkweed
<i>Orcuttia californica</i> - California Orcutt grass
<i>Peritoma arborea</i> - bladderpod
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Psilocarpus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rosa minutifolia</i> - small-leaved rose
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Triglochin scilloides</i> - flowering-quillwort

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 483

Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 484

2003 Baseline Survey Data

Baseline Cover of ERAR: 16.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 3.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 01:48 PM

Survey End Time: 02:12 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR, ORCA

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin: <1%

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Bergia texana</i> - Texas bergia	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	1-5%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Marsilea vestita</i> - hairy waterclove	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 50-75%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 484

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bergerocactus emoryi</i> - golden-spined cereus
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Navarretia hamata</i> - hooked skunkweed
<i>Orcuttia californica</i> - California Orcutt grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Salsola tragus</i> - Russian thistle
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 490

2003 Baseline Survey Data

Baseline Cover of ERAR: 16.0

Baseline Cover of NAFO: 1.0

Baseline Cover of ORCA: 16.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 02:30 PM

Survey End Time: 03:04 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: PONU, ERAR, ORCA

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin: 10-25%

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	5-10%
<i>Deinandra conjugens</i> - Otay tarplant	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	10-25%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	10-25%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Gastridium phleoides</i> - nit grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 490

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bergia texana</i> - Texas bergia
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra conjugens</i> - Otay tarplant
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Epilobium campestre</i> - smooth boisduvalia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Gastridium phleoides</i> - nit grass
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia arizonica</i> - Arizona cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Navarretia fossalis</i> - spreading navarretia
<i>Navarretia hamata</i> - hooked skunkweed
<i>Oncosiphon pilulifer</i> - stinknet
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rosa minutifolia</i> - small-leaved rose
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 490

<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 502

2003 Baseline Survey Data

Baseline Cover of ERAR: 16.0

Baseline Cover of NAFO: 1.0

Baseline Cover of ORCA: 3.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 03:18 PM

Survey End Time: 03:50 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR, PONU, NAFO

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin: 1-5%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	1-5%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Marsilea vestita</i> - hairy waterclover	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 50-75%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 502

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Callitriche marginata</i> - winged water-starwort
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dittrichia graveolens</i> - stinkwort
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gnaphalium palustre</i> - lowland cudweed
<i>Grindelia camporum</i> - gumplant
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Navarretia hamata</i> - hooked skunkweed
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 509

2003 Baseline Survey Data

Baseline Cover of ERAR: 38.0

Baseline Cover of NAFO: 3.0

Baseline Cover of ORCA: 3.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 16.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 03:08 PM

Survey End Time: 03:40 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR, ORCA, NAFO

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin: 25-50%

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Marsilea vestita</i> - hairy waterclover	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

Species Name	Cover
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 509

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bergerocactus emoryi</i> - golden-spined cereus
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dittrichia graveolens</i> - stinkwort
<i>Encelia californica</i> - California encelia
<i>Erigeron bonariensis</i> - flax-leaved horseweed
<i>Erigeron canadensis</i> - horseweed
<i>Erigeron sumatrensis</i> - tropical horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Gamochaeta stagnalis</i> - desert cudweed
<i>Juncus bufonius</i> - toad rush
<i>Logfia arizonica</i> - Arizona cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Simmondsia chinensis</i> - jojoba
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 591

2003 Baseline Survey Data

Baseline Cover of ERAR: 38.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 38.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 3.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 03:57 PM

Survey End Time: 04:33 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR, ORCA, PONU

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin: 25-50%

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deinandra conjugens</i> - Otay tarplant	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	10-25%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 591

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Ambrosia pumila</i> - San Diego ambrosia
<i>Artemisia dracunculus</i> - tarragon
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bergerocactus emoryi</i> - golden-spined cereus
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cryptantha</i> sp.
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra conjugens</i> - Otay tarplant
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dittrichia graveolens</i> - stinkwort
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Erigeron bonariensis</i> - flax-leaved horseweed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gamochaeta stagnalis</i> - desert cudweed
<i>Gastridium phleoides</i> - nit grass
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Laennecia coulteri</i> - Coulter's horseweed
<i>Logfia arizonica</i> - Arizona cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Lythrum hyssopifolia</i> - grass poly
<i>Malosma laurina</i> - laurel sumac

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 591

<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Navarretia hamata</i> - hooked skunkweed
<i>Phalaris minor</i> - little-seeded canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rosa minutifolia</i> - small-leaved rose
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 1310

2003 Baseline Survey Data

Baseline Cover of ERAR: 20.0

Baseline Cover of NAFO: 0.5

Baseline Cover of ORCA: 1.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 15.0

2020 Quantitative Monitoring Data

Survey Date: 6/16/2020

Survey Start Time: 04:03 PM

Survey End Time: 04:38 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR, PONU, NAFO, ORCA

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin: 1-5%

Cover of POAB in Basin:

Cover of PONU in Basin: 10-25%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	1-5%
<i>Deinandra conjugens</i> - Otay tarplant	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	5-10%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Epilobium campestre</i> - smooth boisduvalia	1-5%
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant	<1%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Navarretia hamata</i> - hooked skunkweed	1-5%
<i>Osmadenia tenella</i> - osmadenia	<1%
<i>Plantago elongata</i> - prairie plantain	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Psilocarphus tenellus</i> - slender woolly-marbles	<1%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 14

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 1310

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Amsinckia intermedia</i> - common fiddleneck
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra conjugens</i> - Otay tarplant
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dittrichia graveolens</i> - stinkwort
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Hirschfeldia incana</i> - short-pod mustard
<i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant
<i>Lactuca serriola</i> - prickly lettuce
<i>Lepidium nitidum</i> - shining peppergrass
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Navarretia hamata</i> - hooked skunkweed
<i>Osmadenia tenella</i> - osmadenia
<i>Phalaris</i> sp.
<i>Plantago erecta</i> - dot-seed plantain
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rosa minutifolia</i> - small-leaved rose
<i>Simmondsia chinensis</i> - jojoba
<i>Spergularia</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Yucca schidigera</i> - Mojave yucca

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 1310

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 1321

2003 Baseline Survey Data

Baseline Cover of ERAR: 2.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 5.0

2020 Quantitative Monitoring Data

Survey Date: 6/19/2020

Survey Start Time: 10:35 AM

Survey End Time: 11:11 AM

Surveyors: Ryan Meszaros, Brenda Bennett

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 10-25%

Other Native Species in Pool:

Species Name	Cover
<i>Baccharis sarothroides</i> - broom baccharis	5-10%
<i>Deinandra conjugens</i> - Otay tarplant	1-5%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Epilobium campestre</i> - smooth boisduvalia	10-25%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Laennecia coulteri</i> - Coulter's horseweed	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 13

Nonnative Species in Pool:

Species Name	Cover
<i>Centaurea melitensis</i> - tocalote	<1%
<i>Dittrichia graveolens</i> - stinkwort	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 1321

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Apiastrum angustifolium</i> - mock-parsley
<i>Artemisia californica</i> - California sagebrush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cryptantha</i> sp.
<i>Deinandra conjugens</i> - Otay tarplant
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Gamochaeta stagnalis</i> - desert cudweed
<i>Glebionis coronaria</i> - crown daisy
<i>Heliotropium curassavicum</i> var. <i>oculatum</i> - seaside heliotrope
<i>Hirschfeldia incana</i> - short-pod mustard
<i>Juncus bufonius</i> - toad rush
<i>Logfia arizonica</i> - Arizona cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Navarretia hamata</i> - hooked skunkweed
<i>Phalaris minor</i> - little-seeded canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Ricinus communis</i> - castor bean
<i>Rosa minutifolia</i> - small-leaved rose
<i>Simmondsia chinensis</i> - jojoba
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes: California gnatcatcher

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 1713

2003 Baseline Survey Data

Baseline Cover of ERAR: 2.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.5

2020 Quantitative Monitoring Data

Survey Date: 6/19/2020

Survey Start Time: 09:33 AM

Survey End Time: 10:10 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Navarretia hamata</i> - hooked skunkweed	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%
<i>Sonchus oleraceus</i> - common sow thistle	<1%
<i>Spergularia</i> sp.	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 1713

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Baccharis salicifolia</i> - mule fat
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brachypodium distachyon</i> - purple false brome
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Callitriche marginata</i> - winged water-starwort
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Navarretia hamata</i> - hooked skunkweed
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 1713

Notes: listed on map as 1716

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 1724

2003 Baseline Survey Data

Baseline Cover of ERAR: 40.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2020 Quantitative Monitoring Data

Survey Date: 6/19/2020

Survey Start Time: 09:25 AM

Survey End Time: 10:07 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Bergia texana</i> - Texas bergia	<1%
<i>Crassula aquatica</i> - water pygmyweed	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Epilobium campestre</i> - smooth boisduvalia	10-25%
<i>Marsilea vestita</i> - hairy waterclover	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

Species Name	Cover
<i>Amaranthus albus</i> - tumbleweed	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Lythrum hyssopifolia</i> - grass poly	5-10%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 1724

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Amaranthus albus</i> - tumbleweed
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brachypodium distachyon</i> - purple false brome
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Cyperus eragrostis</i> - tall flatsedge
<i>Datura wrightii</i> - sacred datura
<i>Deinandra conjugens</i> - Otay tarplant
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dittrichia graveolens</i> - stinkwort
<i>Elatine brachysperma</i> - short-seed waterwort
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Epilobium campestre</i> - smooth boisduvalia
<i>Erigeron canadensis</i> - horseweed
<i>Erigeron sumatrensis</i> - tropical horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia maculata</i> - spotted spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Heteromeles arbutifolia</i> - toyon
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Juncus bufonius</i> - toad rush
<i>Lythrum hyssopifolia</i> - grass poly
<i>Phytolacca americana</i> var. <i>americana</i> - pokeweed
<i>Pilularia americana</i> - American pillwort
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2)

VP ID: 1724

<i>Rhus integrifolia</i> - lemonade berry
<i>Tamarix</i> sp.
<i>Triglochin scilloides</i> - flowering-quillwort

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2022

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 02:27 PM

Survey End Time: 02:47 PM

Surveyors: Ryan Meszaros, Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	25-50%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

Species Name	Cover
<i>Amaranthus albus</i> - tumbleweed	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	5-10%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2022

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Amaranthus albus</i> - tumbleweed
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Amsinckia</i> sp.
<i>Artemisia californica</i> - California sagebrush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Dittrichia graveolens</i> - stinkwort
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Gamochaeta stagnalis</i> - desert cudweed
<i>Heliotropium curassavicum</i> var. <i>oculatum</i> - seaside heliotrope
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Hirschfeldia incana</i> - short-pod mustard
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Laennecia coulteri</i> - Coulter's horseweed
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Lysimachia minima</i> - chaffweed
<i>Malosma laurina</i> - laurel sumac
<i>Marrubium vulgare</i> - Horehound
<i>Matricaria discoidea</i> - pineapple weed
<i>Navarretia hamata</i> - hooked skunkweed
<i>Peritoma arborea</i> - bladderpod
<i>Phacelia cicutaria</i> - caterpillar phacelia
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2022

<i>Rosa minutifolia</i> - small-leaved rose
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2025

2003 Baseline Survey Data

Baseline Cover of ERAR: 3.0

Baseline Cover of NAFO: 0.5

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 5.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 12:59 PM

Survey End Time: 01:40 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	10-25%
<i>Epilobium campestre</i> - smooth boisduvalia	5-10%
<i>Frankenia salina</i> - alkali heath	<1%
<i>Juncus bufonius</i> - toad rush	5-10%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Amaranthus</i> sp.	1-5%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Rumex crispus</i> - curly dock	10-25%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2025

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Amaranthus albus</i> - tumbleweed
<i>Amblyopappus pusillus</i> - pineapple-weed
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bergerocactus emoryi</i> - golden-spined cereus
<i>Bergia texana</i> - Texas bergia
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dudleya edulis</i> - ladies' fingers
<i>Dudleya pulverulenta</i> - chalk dudleya
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Epilobium campestre</i> - smooth boisduvalia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Juncus bufonius</i> - toad rush
<i>Logfia arizonica</i> - Arizona cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Malosma laurina</i> - laurel sumac
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Muhlenbergia rigens</i> - deer grass
<i>Navarretia fossalis</i> - spreading navarretia
<i>Navarretia hamata</i> - hooked skunkweed
<i>Peritoma arborea</i> - bladderpod
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2025

<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Yucca schidigera</i> - Mojave yucca

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2039

2003 Baseline Survey Data

Baseline Cover of ERAR: 15.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 01:54 PM

Survey End Time: 02:23 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: PONU, ERAR, NAFO

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin: 1-5%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 10-25%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Pilularia americana</i> - American pillwort	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2039

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Apiastrum angustifolium</i> - mock-parsley
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dudleya pulverulenta</i> - chalk dudleya
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gastridium phleoides</i> - nit grass
<i>Hooveria parviflora</i>
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Matricaria discoidea</i> - pineapple weed
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Navarretia hamata</i> - hooked skunkweed
<i>Peritoma arborea</i> - bladderpod
<i>Plantago elongata</i> - prairie plantain
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Simmondsia chinensis</i> - jojoba
<i>Stipa lepida</i> - foothill needle grass
<i>Yucca schidigera</i> - Mojave yucca

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2043

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.5

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 01:16 PM

Survey End Time: 01:55 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Bergia texana</i> - Texas bergia	<1%
<i>Callitriche marginata</i> - winged water-starwort	5-10%
<i>Crassula aquatica</i> - water pygmyweed	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Eriogonum fasciculatum</i> - California buckwheat	<1%
<i>Heliotropium curassavicum</i> var. <i>oculatum</i> - seaside heliotrope	1-5%
<i>Marsilea vestita</i> - hairy waterclover	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

Species Name	Cover
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 50-75%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: yes

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2043

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Amblyopappus pusillus</i> - pineapple-weed
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Astragalus trichopodus</i> - Santa Barbara milk vetch
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bergerocactus emoryi</i> - golden-spined cereus
<i>Bromus madritensis</i> - foxtail chess
<i>Crassula connata</i> - pygmy-weed
<i>Cryptantha intermedia</i> var. <i>intermedia</i> - common cryptantha
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dicranostegia orcuttiana</i> - Orcutt's bird's-beak
<i>Dittrichia graveolens</i> - stinkwort
<i>Dudleya edulis</i> - ladies' fingers
<i>Dudleya pulverulenta</i> - chalk dudleya
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Euphorbia misera</i> - cliff spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Heliotropium curassavicum</i> var. <i>oculatum</i> - seaside heliotrope
<i>Hooveria parviflora</i>
<i>Juncus bufonius</i> - toad rush
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Malosma laurina</i> - laurel sumac
<i>Mammillaria dioica</i> - fish-hook cactus
<i>Melica imperfecta</i> - little California melica
<i>Navarretia hamata</i> - hooked skunkweed
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Salvia apiana</i> - white sage
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Simmondsia chinensis</i> - jojoba
<i>Yucca schidigera</i> - Mojave yucca

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2043

Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2044

2003 Baseline Survey Data

Baseline Cover of ERAR: 20.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 5.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 01:35 PM

Survey End Time: 02:02 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Bergia texana</i> - Texas bergia	<1%
<i>Callitriche marginata</i> - winged water-starwort	1-5%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Pilularia americana</i> - American pillwort	10-25%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

Species Name	Cover
<i>Centaurea melitensis</i> - tocalote	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2044

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Amsinckia</i> sp.
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dittrichia graveolens</i> - stinkwort
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Gamochaeta stagnalis</i> - desert cudweed
<i>Hirschfeldia incana</i> - short-pod mustard
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Juncus bufonius</i> - toad rush
<i>Laennecia coulteri</i> - Coulter's horseweed
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lycium andersonii</i> - Anderson's desert thorn
<i>Navarretia hamata</i> - hooked skunkweed
<i>Peritoma arborea</i> - bladderpod
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2185

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 60.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 12:40 PM

Survey End Time: 01:04 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 25-50%

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Epilobium campestre</i> - smooth boisduvalia	5-10%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Verbena mentifolia</i> - mint-leaf vervain	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Centaurea melitensis</i> - tocalote	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Unknown mustard</i>	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2185

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Apiastrum angustifolium</i> - mock-parsley
<i>Artemisia californica</i> - California sagebrush
<i>Astragalus trichopodus</i> - Santa Barbara milk vetch
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cryptantha intermedia</i> var. <i>intermedia</i> - common cryptantha
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dittrichia graveolens</i> - stinkwort
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia misera</i> - cliff spurge
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Frankenia salina</i> - alkali heath
<i>Grindelia camporum</i> - gumplant
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Heterotheca grandiflora</i> - telegraph weed
<i>Iva hayesiana</i> - San Diego marsh-elder
<i>Juncus bufonius</i> - toad rush
<i>Lepidium nitidum</i> - shining peppergrass
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Malacothamnus densiflorus</i> - many-flower bushmallow
<i>Malosma laurina</i> - laurel sumac
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Navarretia hamata</i> - hooked skunkweed
<i>Osmadenia tenella</i> - osmadenia
<i>Peritoma arborea</i> - bladderpod
<i>Phalaris minor</i> - little-seeded canary grass
<i>Plantago erecta</i> - dot-seed plantain

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2185

<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Salvia apiana</i> - white sage
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Yucca schidigera</i> - Mojave yucca

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2189

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 5.0

2020 Quantitative Monitoring Data

Survey Date: 6/22/2020

Survey Start Time: 12:44 PM

Survey End Time: 01:21 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR, NAFO

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Bergia texana</i> - Texas bergia	<1%
<i>Cylindropuntia prolifera</i> - coast cholla	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	5-10%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	<1%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Eriogonum fasciculatum</i> - California buckwheat	<1%
<i>Frankenia salina</i> - alkali heath	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Plantago elongata</i> - prairie plantain	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 12

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%
<i>Unknown mustard</i>	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Cal Terraces (South) (J14)

VP ID: 2189

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Amblyopappus pusillus</i> - pineapple-weed
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Brachypodium distachyon</i> - purple false brome
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dicranostegia orcuttiana</i> - Orcutt's bird's-beak
<i>Dittrichia graveolens</i> - stinkwort
<i>Encelia californica</i> - California encelia
<i>Epilobium campestre</i> - smooth boisduvalia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Frankenia salina</i> - alkali heath
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Iva hayesiana</i> - San Diego marsh-elder
<i>Juncus bufonius</i> - toad rush
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lythrum hyssopifolia</i> - grass poly
<i>Navarretia fossalis</i> - spreading navarretia
<i>Navarretia hamata</i> - hooked skunkweed
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Unknown mustard</i>
<i>Yucca schidigera</i> - Mojave yucca

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Clayton Parcel (J2)

VP ID: 876

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 01:42 PM

Survey End Time: 02:43 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: PONU

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Carex</i> sp.	<1%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca perennis</i> - rye grass	10-25%
<i>Lythrum hyssopifolia</i> - grass poly	25-50%
<i>Sonchus oleraceus</i> - common sow thistle	<1%

Cover of Nonnative Species in Basin: 25-50%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Clayton Parcel (J2)

VP ID: 876

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex semibaccata</i> - Australian saltbush
<i>Avena barbata</i> - slender wild oat
<i>Bromus madritensis</i> - foxtail chess
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Dudleya pulverulenta</i> - chalk dudleya
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium cicutarium</i> - redstem filaree
<i>Euphorbia misera</i> - cliff spurge
<i>Euphorbia serpens</i> - matted sandmat
<i>Festuca perennis</i> - rye grass
<i>Grindelia camporum</i> - gumplant
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Medicago polymorpha</i> - California burclover
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Yucca schidigera</i> - Mojave yucca

Notes: Pool being restored.

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 1141

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/11/2020

Survey Start Time: 10:36 AM

Survey End Time: 10:56 AM

Surveyors: Kayo Valenti, JR Sundberg

VPHCP Covered Species Present: NAFO, ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	25-50%
<i>Erythranthe latidens</i> - broad-tooth monkeyflower	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Lysimachia minima</i> - chaffweed	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 1141

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Melilotus indicus</i> - sourclover
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 1142

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/11/2020

Survey Start Time: 11:00 AM

Survey End Time: 11:29 AM

Surveyors: Kayo Valenti, JR Sundberg

VPHCP Covered Species Present: NAFO, ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	10-25%
<i>Erigeron canadensis</i> - horseweed	<1%
<i>Erythranthe latidens</i> - broad-tooth monkeyflower	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Lysimachia minima</i> - chaffweed	1-5%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 1142

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Brodiaea terrestris</i> ssp. <i>kernensis</i> - Kern dwarf brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Bromus sterilis</i> - poverty brome
<i>Centaurea melitensis</i> - tocalote
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Melilotus indicus</i> - sourclover
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 1189

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/11/2020

Survey Start Time: 01:09 PM

Survey End Time: 01:37 PM

Surveyors: Kayo Valenti, J. R. Sundberg

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	1-5%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	25-50%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Spergularia bocconi</i> - Boccone's sand-spurrey	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 1

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 1189

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon micranthus</i> - Grab Lotus
<i>Artemisia californica</i> - California sagebrush
<i>Bromus madritensis</i> - foxtail chess
<i>Calochortus splendens</i> - splendid mariposa lily
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Lamarckia aurea</i> - golden-top
<i>Lasthenia californica</i> - California goldfields
<i>Logfia filaginoides</i> - California cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Navarretia hamata</i> - hooked skunkweed
<i>Plantago elongata</i> - prairie plantain
<i>Plantago erecta</i> - dot-seed plantain
<i>Salsola tragus</i> - Russian thistle
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Spergularia bocconi</i> - Boccone's sand-spurrey
<i>Stipa lepida</i> - foothill needle grass

Notes: Leaf litter consists primarily of

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 1775

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/11/2020

Survey Start Time: 12:35 PM

Survey End Time: 01:03 PM

Surveyors: Kayo Valenti, JR Sundberg

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Erigeron canadensis</i> - horseweed	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Marsilea vestita</i> - hairy waterclover	5-10%
<i>Pilularia americana</i> - American pillwort	1-5%
<i>Plagiobothrys acanthocarpus</i> - adobe popcornflower	<1%
<i>Plantago elongata</i> - prairie plantain	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	10-25%
<i>Rumex</i> sp. (native)	<1%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

Species Name	Cover
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Spergularia bocconi</i> - Boccone's sand-spurrey	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 1775

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon micranthus</i> - Grab Lotus
<i>Artemisia californica</i> - California sagebrush
<i>Bromus madritensis</i> - foxtail chess
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Lasthenia californica</i> - California goldfields
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Rhus integrifolia</i> - lemonade berry
<i>Spergularia bocconi</i> - Boccone's sand-spurrey
<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Notes: Litter includes algae

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 1920

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/11/2020

Survey Start Time: 12:09 PM

Survey End Time: 12:32 PM

Surveyors: Kayo Valenti, JR Sundberg

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Erigeron canadensis</i> - horseweed	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Pilularia americana</i> - American pillwort	1-5%
<i>Plagiobothrys acanthocarpus</i> - adobe popcornflower	<1%
<i>Plantago elongata</i> - prairie plantain	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	10-25%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

Species Name	Cover
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Spergularia bocconi</i> - Boccone's sand-spurrey	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 1920

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon micranthus</i> - Grab Lotus
<i>Acmispon strigosus</i> - bishop's/strigose lotus
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Nuttallanthus texanus</i> - blue toadflax
<i>Zeltnera venusta</i> - California centaury

Notes: Leaf litter predominantly algae

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 2642

2005 Baseline Survey Data

Baseline Cover of ERAR: 5.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/11/2020

Survey Start Time: 09:30 AM

Survey End Time: 10:28 AM

Surveyors: Kayo Valenti, JR Sundberg

VPHCP Covered Species Present: NAFO, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin: 1-5%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	5-10%
<i>Eleocharis macrostachya</i> - pale spike-rush	<1%
<i>Erigeron canadensis</i> - horseweed	<1%
<i>Erythranthe latidens</i> - broad-tooth monkeyflower	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Laennecia coulteri</i> - Coulter's horseweed	<1%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Plagiobothrys acanthocarpus</i> - adobe popcornflower	<1%
<i>Plantago rhodosperma</i> - red-seed plantain	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%
<i>Zeltnera venusta</i> - California centaury	1-5%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Goat Mesa (J16-18)

VP ID: 2642

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Clarkia</i> sp.
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Erigeron canadensis</i> - horseweed
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Linanthus dianthiflorus</i> - farinose ground pink
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Melilotus indicus</i> - sourclover
<i>Phalaris minor</i> - little-seeded canary grass
<i>Plantago erecta</i> - dot-seed plantain
<i>Plantago rhodosperma</i> - red-seed plantain
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes: Survey timing was optimal

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Nobel Drive (X5)

VP ID: 666

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.5*

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/21/2020

Survey Start Time: 01:46 PM

Survey End Time: 02:07 PM

Surveyors: Sara Allen, Paula Birdwell

VPHCP Covered Species Present: NAFO

Cover of ERAR in Basin:

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Downingia cuspidata</i> - toothed downingia	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Plagiobothrys</i> sp.	5-10%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

Species Name	Cover
<i>Cotula coronopifolia</i> - brass-buttons	1-5%
<i>Dittrichia graveolens</i> - stinkwort	<1%
<i>Lythrum hyssopifolia</i> - grass poly	5-10%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

*Known presence of NAFO at this particular vernal pool pre-dates 2003 survey results that document cover class 0.

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Nobel Drive (X5)

VP ID: 666

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Baccharis pilularis</i> - coyote brush
<i>Brodiaea Orcuttii</i> - Orcutt's brodiaea
<i>Bromus madritensis</i> - foxtail chess
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Dittrichia graveolens</i> - stinkwort
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium moschatum</i> - greenstem filaree
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Gastridium phleoides</i> - nit grass
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Juncus bufonius</i> - toad rush
<i>Lythrum hyssopifolia</i> - grass poly
<i>Malosma laurina</i> - laurel sumac
<i>Navarretia hamata</i> - hooked skunkweed
<i>Phalaris aquatica</i> - harding grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria diegensis</i> - San Diego wreath-plant

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Otay Lakes (K5)

VP ID: 208

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/13/2020

Survey Start Time: 12:56 PM

Survey End Time: 01:28 PM

Surveyors: Kayo Valenti, J. R. Sundberg

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Calochortus splendens</i> - splendid mariposa lily	<1%
<i>Cressa truxillensis</i> - alkali weed	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	10-25%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Downingia cuspidata</i> - toothed downingia	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Hordeum intercedens</i> - bobtail barley	1-5%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	<1%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Phalaris lemmonii</i> - Lemmon's canary grass	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	1-5%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 12

Nonnative Species in Pool:

Species Name	Cover
<i>Avena barbata</i> - slender wild oat	<1%
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	1-5%
<i>Festuca perennis</i> - rye grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	5-10%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Otay Lakes (K5)

VP ID: 208

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Avena barbata</i> - slender wild oat
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bloomeria clevelandii</i> - San Diego goldenstar
<i>Brodiaea terrestris</i> ssp. <i>kernensis</i> - Kern dwarf brodiaea
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calochortus splendens</i> - splendid mariposa lily
<i>Centaurea melitensis</i> - tocalote
<i>Cressa truxillensis</i> - alkali weed
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Hordeum</i> sp.
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Juncus bufonius</i> - toad rush
<i>Lasthenia gracilis</i> - common goldfields
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Microseris douglasii</i> ssp. <i>platycarpha</i> - small-flowered microseris
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Salvia munzii</i> - Munz's sage
<i>Silene gallica</i> - windmill pink
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes: Some leaf is soil crust

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Otay Lakes (K5)

VP ID: 656

2003 Baseline Survey Data

Baseline Cover of ERAR: 5.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/13/2020

Survey Start Time: 12:10 PM

Survey End Time: 12:45 PM

Surveyors: Kayo Valenti, JR Sundberg

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Bloomeria clevelandii</i> - San Diego goldenstar	<1%
<i>Brodiaea terrestris</i> ssp. <i>kernensis</i> - Kern dwarf brodiaea	<1%
<i>Calochortus splendens</i> - splendid mariposa lily	<1%
<i>Convolvulus simulans</i> - small-flowered morning-glory	<1%
<i>Cressa truxillensis</i> - alkali weed	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Hooveria parviflora</i>	<1%
<i>Hordeum intercedens</i> - bobtail barley	1-5%
<i>Isocoma menziesii</i> - coastal goldenbush	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Phalaris lemmonii</i> - Lemmon's canary grass	1-5%
<i>Sisyrinchium bellum</i> - western blue-eyed-grass	<1%
<i>Stipa pulchra</i> - purple needle grass	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 15

Nonnative Species in Pool:

Species Name	Cover
<i>Avena barbata</i> - slender wild oat	<1%
<i>Bromus hordeaceus</i> - soft chess	5-10%
<i>Bromus rubens</i> - red brome	1-5%
<i>Erodium botrys</i> - long-beak filaree/storksbill	10-25%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Helminthotheca echioides</i> - bristly ox-tongue	<1%
<i>Hypochaeris glabra</i> - smooth cat's-ear	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Otay Lakes (K5)

VP ID: 656

Cover of Nonnative Species in Basin: 10-25% Nonnative Species Richness in Basin: 11

Bare Ground Cover in Basin: 5-10% Cover of Rocks/Cobble in Basin: 1-5% Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16 Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Otay Lakes (K5)

VP ID: 656

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Bloomeria clevelandii</i> - San Diego goldenstar
<i>Bromus diandrus</i> - ripgut grass
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calochortus splendens</i> - splendid mariposa lily
<i>Cressa truxillensis</i> - alkali weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Hordeum intercedens</i> - bobtail barley
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Phalaris lemmonii</i> - Lemmon's canary grass
<i>Silene gallica</i> - windmill pink
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Stipa pulchra</i> - purple needle grass

Notes: This pool is likely now three

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Otay Lakes (K5)

VP ID: 891

2003 Baseline Survey Data

Baseline Cover of ERAR: 20.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/13/2020

Survey Start Time: 09:46 AM

Survey End Time: 10:34 AM

Surveyors: Kayo Valenti, JR Sundberg

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea terrestris</i> ssp. <i>kernensis</i> - Kern dwarf brodiaea	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Hordeum intercedens</i> - bobtail barley	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Lasthenia</i> sp.	<1%
<i>Lysimachia minima</i> - chaffweed	1-5%
<i>Microseris douglasii</i> ssp. <i>platycarpha</i> - small-flowered microseris	<1%
<i>Phalaris lemmonii</i> - Lemmon's canary grass	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Stipa pulchra</i> - purple needle grass	<1%
<i>Trichostema lanceolatum</i> - vinegar weed	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 13

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Gastridium phleoides</i> - nit grass	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Otay Lakes (K5)

VP ID: 891

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calochortus splendens</i> - splendid mariposa lily
<i>Croton californicus</i> - California croton
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Hooveria parviflora</i>
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Juncus bufonius</i> - toad rush
<i>Lamarckia aurea</i> - golden-top
<i>Lasthenia gracilis</i> - common goldfields
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Phalaris lemmonii</i> - Lemmon's canary grass
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Silene gallica</i> - windmill pink
<i>Stipa pulchra</i> - purple needle grass
<i>Trichostema lanceolatum</i> - vinegar weed
<i>Zeltnera venusta</i> - California centaury

Notes: Litter is predominately soil

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Otay Lakes (K5)

VP ID: 892

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 1.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/13/2020

Survey Start Time: 10:38 AM

Survey End Time: 11:08 AM

Surveyors: Kayo Valenti, JR Sundberg

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Brodiaea terrestris</i> ssp. <i>kernensis</i> - Kern dwarf brodiaea	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Deschampsia danthonioides</i> - annual hair grass	5-10%
<i>Eleocharis macrostachya</i> - pale spike-rush	5-10%
<i>Hordeum intercedens</i> - bobtail barley	<1%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Phalaris lemmonii</i> - Lemmon's canary grass	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Stipa pulchra</i> - purple needle grass	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Otay Lakes (K5)

VP ID: 892

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Avena</i> sp.
<i>Bloomeria clevelandii</i> - San Diego goldenstar
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calochortus splendens</i> - splendid mariposa lily
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Hooveria parviflora</i>
<i>Hordeum intercedens</i> - bobtail barley
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Juncus bufonius</i> - toad rush
<i>Lepidium nitidum</i> - shining peppergrass
<i>Selaginella cinerascens</i> - ashy spike-moss
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa pulchra</i> - purple needle grass
<i>Trichostema lanceolatum</i> - vinegar weed

Notes: Litter includes algae and soil

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Otay Lakes (K5)

VP ID: 1801

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/13/2020

Survey Start Time: 01:39 PM

Survey End Time: 01:56 PM

Surveyors: Kayo Valenti, J. R. Sundberg

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Baccharis sarothroides</i> - broom baccharis	<1%
<i>Brodiaea terrestris</i> ssp. <i>kernensis</i> - Kern dwarf brodiaea	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	5-10%
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Isoetes orcuttii</i> - Orcutt's quillwort	<1%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Lysimachia minima</i> - chaffweed	<1%
<i>Microseris douglasii</i> ssp. <i>platycarpa</i> - small-flowered microseris	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%
<i>Sisyrinchium bellum</i> - western blue-eyed-grass	1-5%
<i>Stipa pulchra</i> - purple needle grass	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 12

Nonnative Species in Pool:

Species Name	Cover
<i>Avena barbata</i> - slender wild oat	<1%
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Hypochaeris glabra</i> - smooth cat's-ear	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	10-25%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: <1%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Otay Lakes (K5)

VP ID: 1801

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Notes: Some of leaf litter is soil crust

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: West Otay C (J32)

VP ID: 1545

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/27/2020

Survey Start Time: 04:37 PM

Survey End Time: 05:05 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Baccharis sarothroides</i> - broom baccharis	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Navarretia hamata</i> - hooked skunkweed	<1%
<i>Plantago elongata</i> - prairie plantain	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	50-75%

Cover of Other Native Species in Basin: 50-75%

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca perennis</i> - rye grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Silene gallica</i> - windmill pink	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: West Otay C (J32)

VP ID: 1545

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Amsinckia intermedia</i> - common fiddleneck
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex semibaccata</i> - Australian saltbush
<i>Baccharis pilularis</i> - coyote brush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lythrum hyssopifolia</i> - grass poly
<i>Melilotus indicus</i> - sourclover
<i>Oncosiphon pilulifer</i> - stinknet
<i>Peritoma arborea</i> - bladderpod
<i>Plantago elongata</i> - prairie plantain
<i>Pseudognaphalium beneolens</i> - fragrant everlasting
<i>Pseudognaphalium</i> sp.
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus oleraceus</i> - common sow thistle
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1577

2003 Baseline Survey Data

Baseline Cover of ERAR: 20.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 03:49 PM

Survey End Time: 04:32 PM

Surveyors: Jason Allen

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Matricaria discoidea</i> - pineapple weed	<1%

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca myuros</i> - rattle sixweeks grass	<1%
<i>Glebionis coronaria</i> - crown daisy	<1%
<i>Helminthotheca echioides</i> - bristly ox-tongue	25-50%
<i>Lactuca serriola</i> - prickly lettuce	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 10

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1577

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Amaranthus blitum</i> ssp. <i>emarginatus</i> - purple amaranth
<i>Artemisia californica</i> - California sagebrush
<i>Brassica nigra</i> - black mustard
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Glebionis coronaria</i> - crown daisy
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Hesperoyucca whipplei</i> - chaparral candle
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Matricaria discoidea</i> - pineapple weed
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle

Notes: Overgrown with weeds.

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1580

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 04:33 PM

Survey End Time: 05:06 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	<1%
<i>Epilobium campestre</i> - smooth boisduvalia	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	10-25%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

Species Name	Cover
<i>Brassica nigra</i> - black mustard	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Centaurea melitensis</i> - tocalote	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Helminthotheca echioides</i> - bristly ox-tongue	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	50-75%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 50-75%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: <1%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1580

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Epilobium campestre</i> - smooth boisduvalia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Glebionis coronaria</i> - crown daisy
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Lactuca serriola</i> - prickly lettuce
<i>Lythrum hyssopifolia</i> - grass poly
<i>Medicago polymorpha</i> - California burclover
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Rhus integrifolia</i> - lemonade berry
<i>Silene gallica</i> - windmill pink
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus oleraceus</i> - common sow thistle

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1595

2003 Baseline Survey Data

Baseline Cover of ERAR: 50.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 09:54 AM

Survey End Time: 10:02 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Erodium</i> sp.	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Lamarckia aurea</i> - golden-top	<1%
<i>Logfia gallica</i> - daggerleaf cottonrose	1-5%
<i>Phalaris paradoxa</i> - hood canary grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1595

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gastridium phleoides</i> - nit grass
<i>Hooveria parviflora</i>
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum crystallinum</i> - crystalline iceplant
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail
<i>Phalaris minor</i> - little-seeded canary grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Spergularia bocconi</i> - Boccone's sand-spurrey
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1596

2003 Baseline Survey Data

Baseline Cover of ERAR: 75.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 09:30 AM

Survey End Time: 10:09 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Sisyrinchium bellum</i> - western blue-eyed-grass	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	<1%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%
<i>Spergularia bocconi</i> - Boccone's sand-spurrey	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1596

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Callitriche marginata</i> - winged water-starwort
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Elatine brachysperma</i> - short-seed waterwort
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gastridium phleoides</i> - nit grass
<i>Hainardia cylindrica</i> - barb grass
<i>Hooveria parviflora</i>
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum crystallinum</i> - crystalline iceplant
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1596

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1598

2003 Baseline Survey Data

Baseline Cover of ERAR: 40.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 08:45 AM

Survey End Time: 09:26 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: NAFO

Cover of ERAR in Basin:

Cover of NAFO in Basin: 25-50%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Sisyrinchium bellum</i> - western blue-eyed-grass	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Phalaris paradoxa</i> - hood canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%
<i>Spergularia bocconi</i> - Boccone's sand-spurrey	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1598

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Erigeron sumatrensis</i> - tropical horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gastridium phleoides</i> - nit grass
<i>Gnaphalium palustre</i> - lowland cudweed
<i>Hainardia cylindrica</i> - barb grass
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1598

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1599

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 09:05 AM

Survey End Time: 09:24 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Gnaphalium palustre</i> - lowland cudweed	<1%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Zeltnera venusta</i> - California centaury	1-5%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	<1%
<i>Hainardia cylindrica</i> - barb grass	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus oleraceus</i> - common sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1599

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Callitriche marginata</i> - winged water-starwort
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Elatine brachysperma</i> - short-seed waterwort
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Hainardia cylindrica</i> - barb grass
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia arizonica</i> - Arizona cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Phalaris paradoxa</i> - hood canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Spergularia bocconi</i> - Boccone's sand-spurrey
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1600

2003 Baseline Survey Data

Baseline Cover of ERAR: 55.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 03:07 PM

Survey End Time: 04:01 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Gnaphalium palustre</i> - lowland cudweed	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Pseudognaphalium stramineum</i> - cotton-batting plant	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Silene gallica</i> - windmill pink	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1600

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Chenopodium murale</i> - nettle-leaf goosefoot
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium cicutarium</i> - redstem filaree
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Hainardia cylindrica</i> - barb grass
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Pseudognaphalium beneolens</i> - fragrant everlasting
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Salsola tragus</i> - Russian thistle
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria diegensis</i> - San Diego wreath-plant
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1601

2003 Baseline Survey Data

Baseline Cover of ERAR: 70.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 01:18 PM

Survey End Time: 01:57 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Eleocharis macrostachya</i> - pale spike-rush	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Helminthotheca echinoides</i> - bristly ox-tongue	<1%
<i>Logfia gallica</i> - daggerleaf cottonrose	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1601

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia peplus</i> - petty spurge
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Selaginella bigelovii</i> - Bigelow's spike-moss
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1602

2003 Baseline Survey Data

Baseline Cover of ERAR: 90.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.5

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 11:53 AM

Survey End Time: 12:03 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	1-5%
<i>Hainardia cylindrica</i> - barb grass	1-5%
<i>Logfia gallica</i> - daggerleaf cottonrose	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Spergularia</i> sp.	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1602

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Crassula connata</i> - pygmy-weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia maculata</i> - spotted spurge
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1603

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 02:06 PM

Survey End Time: 02:33 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

Species Name	Cover
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 50-75%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool: Salsola

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1603

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia peplus</i> - petty spurge
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1604

2003 Baseline Survey Data

Baseline Cover of ERAR: 20.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 10:42 AM

Survey End Time: 10:53 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Cylindropuntia prolifera</i> - coast cholla	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	1-5%
<i>Eleocharis macrostachya</i> - pale spike-rush	<1%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	10-25%
<i>Stipa lepida</i> - foothill needle grass	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Centaurea melitensis</i> - tocalote	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	<1%
<i>Hainardia cylindrica</i> - barb grass	<1%
<i>Lactuca serriola</i> - prickly lettuce	<1%
<i>Logfia gallica</i> - daggerleaf cottonrose	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus oleraceus</i> - common sow thistle	<1%
<i>Spergularia bocconi</i> - Boccone's sand-spurrey	1-5%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 14

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1604

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia arizonica</i> - Arizona cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1606

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 10:13 AM

Survey End Time: 10:34 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Triglochin scilloides</i> - flowering-quillwort	1-5%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Phalaris paradoxa</i> - hood canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 50-75%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1606

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gastridium phleoides</i> - nit grass
<i>Hedypnois rhagadioloides</i> - crete weed
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1607

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 10:40 AM

Survey End Time: 11:05 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Elatine brachysperma</i> - short-seed waterwort	1-5%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Phalaris paradoxa</i> - hood canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%
<i>Spergularia bocconi</i> - Boccone's sand-spurrey	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1607

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Erigeron canadensis</i> - horseweed
<i>Erigeron sumatrensis</i> - tropical horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Hainardia cylindrica</i> - barb grass
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Spergularia bocconi</i> - Boccone's sand-spurrey
<i>Stephanomeria</i> sp.
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1607

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1608

2003 Baseline Survey Data

Baseline Cover of ERAR: 20.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 10:59 AM

Survey End Time: 11:20 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: >75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	1-5%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	1-5%
<i>Hainardia cylindrica</i> - barb grass	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1608

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Callitriche marginata</i> - winged water-starwort
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gastridium phleoides</i> - nit grass
<i>Hainardia cylindrica</i> - barb grass
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia arizonica</i> - Arizona cottonrose
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Spergularia bocconi</i> - Boccone's sand-spurrey
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1609

2003 Baseline Survey Data

Baseline Cover of ERAR: 40.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 11:41 AM

Survey End Time: 12:14 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	<1%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1609

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Avena fatua</i> - wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Erigeron sumatrensis</i> - tropical horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium cicutarium</i> - redstem filaree
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gastridium phleoides</i> - nit grass
<i>Hainardia cylindrica</i> - barb grass
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1666

2003 Baseline Survey Data

Baseline Cover of ERAR: 60.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 02:01 PM

Survey End Time: 02:12 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	<1%
<i>Cylindropuntia prolifera</i> - coast cholla	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	5-10%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Triglochin scilloides</i> - flowering-quillwort	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattle sixweeks grass	<1%
<i>Gastridium phleoides</i> - nit grass	<1%
<i>Hainardia cylindrica</i> - barb grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1666

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Gastridium phleoides</i> - nit grass
<i>Hainardia cylindrica</i> - barb grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1667

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 01:26 PM

Survey End Time: 01:34 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: >75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Juncus bufonius</i> - toad rush	<1%
<i>Matricaria discoidea</i> - pineapple weed	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Sisyrinchium bellum</i> - western blue-eyed-grass	<1%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1667

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Avena fatua</i> - wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Hypochaeris glabra</i> - smooth cat's-ear
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1668

2003 Baseline Survey Data

Baseline Cover of ERAR: 75.0

Baseline Cover of NAFO: 0.5

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 5.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 08:11 AM

Survey End Time: 09:30 AM

Surveyors: Jason Allen, Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR, NAFO

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Deschampsia danthonioides</i> - annual hair grass	<1%
<i>Gnaphalium palustre</i> - lowland cudweed	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Pseudognaphalium stramineum</i> - cotton-batting plant	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1668

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Erigeron bonariensis</i> - flax-leaved horseweed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Erodium moschatum</i> - greenstem filaree
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Hainardia cylindrica</i> - barb grass
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Salsola tragus</i> - Russian thistle
<i>Salvia mellifera</i> - black sage
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1668

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1669

2003 Baseline Survey Data

Baseline Cover of ERAR: 45.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 09:46 AM

Survey End Time: 10:34 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: >75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Cylindropuntia prolifera</i> - coast cholla	<1%
<i>Deschampsia danthonioides</i> - annual hair grass	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Hainardia cylindrica</i> - barb grass	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	1-5%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: yes

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1669

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex semibaccata</i> - Australian saltbush
<i>Avena fatua</i> - wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia</i> sp.
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Hainardia cylindrica</i> - barb grass
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Navarretia fossalis</i> - spreading navarretia
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Salvia mellifera</i> - black sage
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1670

2003 Baseline Survey Data

Baseline Cover of ERAR: 5.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 11:25 AM

Survey End Time: 11:49 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: >75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	1-5%
<i>Gastridium phleoides</i> - nit grass	5-10%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Phalaris paradoxa</i> - hood canary grass	1-5%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1670

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex semibaccata</i> - Australian saltbush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia</i> sp.
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Rhus integrifolia</i> - lemonade berry
<i>Salvia mellifera</i> - black sage
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1671

2003 Baseline Survey Data

Baseline Cover of ERAR: 85.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 11:08 AM

Survey End Time: 11:33 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Isocoma menziesii</i> - coastal goldenbush	<1%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	1-5%
<i>Gastridium phleoides</i> - nit grass	1-5%
<i>Hainardia cylindrica</i> - barb grass	<1%
<i>Lactuca serriola</i> - prickly lettuce	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%
<i>Spergularia bocconi</i> - Boccone's sand-spurrey	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 13

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1671

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Erigeron sumatrensis</i> - tropical horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Juncus bufonius</i> - toad rush
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1672

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 09:59 AM

Survey End Time: 10:17 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	10-25%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1672

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Avena fatua</i> - wild oat
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Isocoma menziesii</i> - coastal goldenbush
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Salsola tragus</i> - Russian thistle
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1673

2003 Baseline Survey Data

Baseline Cover of ERAR: 80.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 10:34 AM

Survey End Time: 10:55 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Juncus bufonius</i> - toad rush	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1673

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Erodium cicutarium</i> - redstem filaree
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Salsola tragus</i> - Russian thistle
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1675

2003 Baseline Survey Data

Baseline Cover of ERAR: 80.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 01:11 PM

Survey End Time: 01:43 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Cylindropuntia prolifera</i> - coast cholla	<1%
<i>Isocoma menziesii</i> - coastal goldenbush	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

Species Name	Cover
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet	<1%
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Hainardia cylindrica</i> - barb grass	<1%
<i>Lamarckia aurea</i> - golden-top	<1%
<i>Logfia gallica</i> - daggerleaf cottonrose	<1%
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 13

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1675

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Avena fatua</i> - wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Brachypodium distachyon</i> - purple false brome
<i>Bromus diandrus</i> - ripgut grass
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra</i> sp.
<i>Encelia californica</i> - California encelia
<i>Erigeron bonariensis</i> - flax-leaved horseweed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Plantago elongata</i> - prairie plantain
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed
<i>Pseudognaphalium biolettii</i> - bicolor cudweed
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1675

<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Stipa pulchra</i> - purple needle grass

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1676

2003 Baseline Survey Data

Baseline Cover of ERAR: 10.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 01:44 PM

Survey End Time: 02:11 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Deinandra</i> sp.	<1%
<i>Erigeron canadensis</i> - horseweed	<1%
<i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail	<1%
<i>Plantago elongata</i> - prairie plantain	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	<1%
<i>Lamarckia aurea</i> - golden-top	<1%
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1676

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Avena fatua</i> - wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Brachypodium distachyon</i> - purple false brome
<i>Bromus diandrus</i> - ripgut grass
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra</i> sp.
<i>Elatine brachysperma</i> - short-seed waterwort
<i>Erigeron bonariensis</i> - flax-leaved horseweed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Hainardia cylindrica</i> - barb grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1676

Triglochin scilloides - flowering-quillwort

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1677

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 02:39 PM

Survey End Time: 03:04 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Cylindropuntia prolifera</i> - coast cholla	<1%
<i>Sisyrinchium bellum</i> - western blue-eyed-grass	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Bromus rubens</i> - red brome	1-5%
<i>Centaurea melitensis</i> - tocalote	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	<1%
<i>Hainardia cylindrica</i> - barb grass	<1%
<i>Lactuca serriola</i> - prickly lettuce	<1%
<i>Lamarckia aurea</i> - golden-top	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	1-5%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 12

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1677

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Erigeron bonariensis</i> - flax-leaved horseweed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Triglochin scilloides</i> - flowering-quillwort
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1678

2003 Baseline Survey Data

Baseline Cover of ERAR: 80.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 03:05 PM

Survey End Time: 03:21 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	1-5%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	<1%
<i>Glebionis coronaria</i> - crown daisy	<1%
<i>Hainardia cylindrica</i> - barb grass	<1%
<i>Lamarckia aurea</i> - golden-top	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 11

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1678

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Elatine brachysperma</i> - short-seed waterwort
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Erigeron bonariensis</i> - flax-leaved horseweed
<i>Erigeron canadensis</i> - horseweed
<i>Erigeron sumatrensis</i> - tropical horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Hainardia cylindrica</i> - barb grass
<i>Juncus bufonius</i> - toad rush
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1678

<i>Stipa diegoensis</i> - San Diego needle grass
<i>Triglochin scilloides</i> - flowering-quillwort
<i>Yucca schidigera</i> - Mojave yucca
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1679

2003 Baseline Survey Data

Baseline Cover of ERAR: 5.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 03:34 PM

Survey End Time: 04:02 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	25-50%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Triglochin scilloides</i> - flowering-quillwort	1-5%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	<1%
<i>Glebionis coronaria</i> - crown daisy	<1%
<i>Lamarckia aurea</i> - golden-top	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 11

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1679

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Carrichtera annua</i> - Ward's weed
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Daucus pusillus</i> - rattlesnake weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Encelia californica</i> - California encelia
<i>Erigeron bonariensis</i> - flax-leaved horseweed
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium cicutarium</i> - redstem filaree
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Hainardia cylindrica</i> - barb grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Melilotus indicus</i> - sourclover
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Oncosiphon pilulifer</i> - stinknet
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Schismus barbatus</i> - Mediterranean schismus

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1679

<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1684

2003 Baseline Survey Data

Baseline Cover of ERAR: 50.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.5

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 03:04 PM

Survey End Time: 03:15 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Juncus bufonius</i> - toad rush	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

Species Name	Cover
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet	<1%
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Hainardia cylindrica</i> - barb grass	<1%
<i>Lamarckia aurea</i> - golden-top	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 11

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1684

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Carrichtera annua</i> - Ward's weed
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia</i> sp.
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Glebionis coronaria</i> - crown daisy
<i>Heterotheca grandiflora</i> - telegraph weed
<i>Hordeum murinum</i> - wall barley
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Oncosiphon pilulifer</i> - stinknet
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Simmondsia chinensis</i> - jojoba
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1684

<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1685

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 03:35 PM

Survey End Time: 03:43 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Bahiopsis laciniata</i> - San Diego viguiera	1-5%
<i>Encelia californica</i> - California encelia	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	10-25%
<i>Bromus rubens</i> - red brome	1-5%
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill	1-5%
<i>Festuca myuros</i> - rattail sixweeks grass	10-25%
<i>Lamarckia aurea</i> - golden-top	5-10%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Sonchus oleraceus</i> - common sow thistle	<1%

Cover of Nonnative Species in Basin: 25-50%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1685

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia</i> sp.
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1688

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 10.0

2020 Quantitative Monitoring Data
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Survey Date: 5/22/2020

Survey Start Time: 04:01 PM

Survey End Time: 04:11 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: >75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1688

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes: EryAri is choking out PogNud

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1689

2003 Baseline Survey Data

Baseline Cover of ERAR: 85.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2020 Quantitative Monitoring Data
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Survey Date: 5/22/2020

Survey Start Time: 04:33 PM

Survey End Time: 04:40 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: >75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1689

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Carrichtera annua</i> - Ward's weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Hedypnois rhagadioloides</i> - crete weed
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Phalaris minor</i> - little-seeded canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes: EryAri very dense. PogNud not

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1691

2003 Baseline Survey Data

Baseline Cover of ERAR: 50.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 11:01 AM

Survey End Time: 11:09 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Festuca perennis</i> - rye grass	5-10%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1691

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Erodium cicutarium</i> - redstem filaree
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Juncus bufonius</i> - toad rush
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Stipa lepida</i> - foothill needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1692

2003 Baseline Survey Data

Baseline Cover of ERAR: 95.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/22/2020

Survey Start Time: 11:26 AM

Survey End Time: 11:39 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Callitriche marginata</i> - winged water-starwort	1-5%
<i>Elatine brachysperma</i> - short-seed waterwort	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	25-50%
<i>Juncus bufonius</i> - toad rush	<1%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%
<i>Zeltnera venusta</i> - California centaury	<1%

Cover of Other Native Species in Basin: 25-50%

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Festuca perennis</i> - rye grass	<1%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%
<i>Sonchus oleraceus</i> - common sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 1-5%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1692

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium cicutarium</i> - redstem filaree
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia</i> sp.
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Glebionis coronaria</i> - crown daisy
<i>Heteromeles arbutifolia</i> - toyon
<i>Lactuca serriola</i> - prickly lettuce
<i>Laennecia coulteri</i> - Coulter's horseweed
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Phalaris minor</i> - little-seeded canary grass
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Silene gallica</i> - windmill pink
<i>Simmondsia chinensis</i> - jojoba

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1693

2003 Baseline Survey Data

Baseline Cover of ERAR: 10.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data
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Survey Date: 5/22/2020

Survey Start Time: 04:16 PM

Survey End Time: 04:41 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Bromus rubens</i> - red brome	1-5%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Lamarckia aurea</i> - golden-top	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1693

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium moschatum</i> - greenstem filaree
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Heteromeles arbutifolia</i> - toyon
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed
<i>Salsola tragus</i> - Russian thistle
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1694

2003 Baseline Survey Data

Baseline Cover of ERAR: 2.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 12:46 PM

Survey End Time: 12:59 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Bromus rubens</i> - red brome	1-5%
<i>Erodium botrys</i> - long-beak filaree/storksbill	5-10%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Lamarckia aurea</i> - golden-top	<1%
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1694

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Carrichtera annua</i> - Ward's weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Encelia californica</i> - California encelia
<i>Erigeron sumatrensis</i> - tropical horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Glebionis coronaria</i> - crown daisy
<i>Heteromeles arbutifolia</i> - toyon
<i>Juncus bufonius</i> - toad rush
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush
<i>Phalaris minor</i> - little-seeded canary grass
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Salsola tragus</i> - Russian thistle
<i>Salvia mellifera</i> - black sage
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Sisyrinchium bellum</i> - western blue-eyed-grass
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1696

2003 Baseline Survey Data

Baseline Cover of ERAR: 15.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 10.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 01:02 PM

Survey End Time: 01:21 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Cylindropuntia prolifera</i> - coast cholla	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

Species Name	Cover
<i>Brassica nigra</i> - black mustard	<1%
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	5-10%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	1-5%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1696

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium brachycarpum</i> - short-beak filaree/storksbill
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia</i> sp.
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Glebionis coronaria</i> - crown daisy
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Phalaris minor</i> - little-seeded canary grass
<i>Pseudognaphalium californicum</i> - California everlasting
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Salvia mellifera</i> - black sage
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1697

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.5

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 2.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 01:03 PM

Survey End Time: 01:23 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Cylindropuntia prolifera</i> - coast cholla	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Glebionis coronaria</i> - crown daisy	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Phalaris paradoxa</i> - hood canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in Basin: 10-25%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1697

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia</i> sp.
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Heteromeles arbutifolia</i> - toyon
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polycarpon tetraphyllum</i> var. <i>tetraphyllum</i> - four-leaved allseed
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Salvia mellifera</i> - black sage
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Silene gallica</i> - windmill pink
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1698

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 01:27 PM

Survey End Time: 01:45 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Cylindropuntia prolifera</i> - coast cholla	1-5%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Lamarckia aurea</i> - golden-top	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Phalaris paradoxa</i> - hood canary grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1698

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Glebionis coronaria</i> - crown daisy
<i>Heteromeles arbutifolia</i> - toyon
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lythrum hyssopifolia</i> - grass poly
<i>Phalaris paradoxa</i> - hood canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Rhus integrifolia</i> - lemonade berry
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa pulchra</i> - purple needle grass

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1699

2003 Baseline Survey Data

Baseline Cover of ERAR: 5.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 2.0

2020 Quantitative Monitoring Data
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Survey Date: 5/29/2020

Survey Start Time: 01:28 PM

Survey End Time: 01:45 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	5-10%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Lamarckia aurea</i> - golden-top	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	1-5%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1699

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Atriplex pacifica</i> - south coast saltscale
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Deschampsia danthonioides</i> - annual hair grass
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Erigeron sumatrensis</i> - tropical horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Glebionis coronaria</i> - crown daisy
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Heteromeles arbutifolia</i> - toyon
<i>Lactuca serriola</i> - prickly lettuce
<i>Logfia gallica</i> - daggerleaf cottonrose
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Salvia mellifera</i> - black sage
<i>Schismus barbatus</i> - Mediterranean schismus
<i>Silene gallica</i> - windmill pink
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa pulchra</i> - purple needle grass
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1700

2003 Baseline Survey Data

Baseline Cover of ERAR: 75.0

Baseline Cover of NAFO: 2.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 5.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 01:50 PM

Survey End Time: 02:03 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Cylindropuntia prolifera</i> - coast cholla	1-5%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca myuros</i> - rattle tail sixweeks grass	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Phalaris minor</i> - little-seeded canary grass	1-5%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 50-75%

Cover of Rocks/Cobble in Basin: 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1700

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Carrichtera annua</i> - Ward's weed
<i>Centaurea melitensis</i> - tocalote
<i>Encelia californica</i> - California encelia
<i>Erigeron canadensis</i> - horseweed
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Glebionis coronaria</i> - crown daisy
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris paradoxa</i> - hood canary grass
<i>Rhus integrifolia</i> - lemonade berry
<i>Salvia mellifera</i> - black sage
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1701

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 01:53 PM

Survey End Time: 02:09 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	1-5%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Hainardia cylindrica</i> - barb grass	<1%
<i>Lamarckia aurea</i> - golden-top	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Phalaris paradoxa</i> - hood canary grass	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1701

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calystegia macrostegia</i> - island morning glory
<i>Carrichtera annua</i> - Ward's weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Rhus integrifolia</i> - lemonade berry
<i>Salvia mellifera</i> - black sage
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa pulchra</i> - purple needle grass

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1702

2003 Baseline Survey Data

Baseline Cover of ERAR: 10.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 02:09 PM

Survey End Time: 02:30 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: >75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	5-10%
<i>Festuca myuros</i> - rattail sixweeks grass	5-10%
<i>Phalaris paradoxa</i> - hood canary grass	5-10%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1702

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calystegia macrostegia</i> - island morning glory
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Euphorbia</i> sp.
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Glebionis coronaria</i> - crown daisy
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Peritoma arborea</i> - bladderpod
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Pseudognaphalium stramineum</i> - cotton-batting plant
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Salvia mellifera</i> - black sage
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa pulchra</i> - purple needle grass

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1703

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.5

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 02:16 PM

Survey End Time: 02:31 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Cylindropuntia prolifera</i> - coast cholla	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	10-25%
<i>Bromus rubens</i> - red brome	1-5%
<i>Centaurea melitensis</i> - tocalote	<1%
<i>Erodium botrys</i> - long-beak filaree/storksbill	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	5-10%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1703

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Avena fatua</i> - wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calystegia macrostegia</i> - island morning glory
<i>Carrichtera annua</i> - Ward's weed
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Glebionis coronaria</i> - crown daisy
<i>Hordeum murinum</i> - wall barley
<i>Lactuca serriola</i> - prickly lettuce
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Peritoma arborea</i> - bladderpod
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Simmondsia chinensis</i> - jojoba

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1705

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.5

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 02:37 PM

Survey End Time: 02:53 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Eleocharis macrostachya</i> - pale spike-rush	10-25%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%

Cover of Other Native Species in Basin: 10-25%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

Species Name	Cover
<i>Brassica nigra</i> - black mustard	<1%
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Lysimachia arvensis</i> - scarlet pimpernel	1-5%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	5-10%
<i>Portulaca oleracea</i> - purslane	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in Basin: 25-50%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1705

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Euphorbia</i> sp.
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Glebionis coronaria</i> - crown daisy
<i>Hedynois rhagadioloides</i> - crete weed
<i>Heteromeles arbutifolia</i> - toyon
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Salvia mellifera</i> - black sage
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Zeltnera venusta</i> - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1706

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 10.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 02:36 PM

Survey End Time: 02:51 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Baccharis sarothroides</i> - broom baccharis	5-10%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Bromus rubens</i> - red brome	<1%
<i>Centaurea melitensis</i> - tocalote	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	1-5%
<i>Glebionis coronaria</i> - crown daisy	<1%
<i>Hainardia cylindrica</i> - barb grass	<1%
<i>Polypogon monspeliensis</i> - rabbitfoot grass	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in Basin: >75%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1706

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Ambrosia chenopodiifolia</i> - San Diego bur-sage
<i>Artemisia californica</i> - California sagebrush
<i>Avena barbata</i> - slender wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Carrichtera annua</i> - Ward's weed
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium cicutarium</i> - redstem filaree
<i>Euphorbia</i> sp.
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Glebionis coronaria</i> - crown daisy
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Lactuca serriola</i> - prickly lettuce
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Rhus integrifolia</i> - lemonade berry
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1708

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 3.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 03:01 PM

Survey End Time: 03:37 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: PONU

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

Species Name	Cover
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	<1%
<i>Festuca myuros</i> - rattail sixweeks grass	<1%
<i>Hainardia cylindrica</i> - barb grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	1-5%
<i>Phalaris paradoxa</i> - hood canary grass	5-10%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in Basin: 50-75%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1708

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Atriplex semibaccata</i> - Australian saltbush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calystegia macrostegia</i> - island morning glory
<i>Carrichtera annua</i> - Ward's weed
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium</i> sp.
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Festuca perennis</i> - rye grass
<i>Glebionis coronaria</i> - crown daisy
<i>Hainardia cylindrica</i> - barb grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Laennecia coulteri</i> - Coulter's horseweed
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Salvia mellifera</i> - black sage
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa lepida</i> - foothill needle grass

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1709

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data
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Survey Date: 5/29/2020

Survey Start Time: 03:08 PM

Survey End Time: 03:42 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

Species Name	Cover
<i>Acacia</i> sp.	1-5%
<i>Bromus hordeaceus</i> - soft chess	10-25%
<i>Festuca myuros</i> - rattail sixweeks grass	10-25%
<i>Hainardia cylindrica</i> - barb grass	1-5%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 5-10%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1709

2020 Quantitative Monitoring Data continued
--

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Acmispon glaber</i> var. <i>glaber</i> - deerweed
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Atriplex semibaccata</i> - Australian saltbush
<i>Avena fatua</i> - wild oat
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Brassica nigra</i> - black mustard
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calystegia macrostegia</i> - island morning glory
<i>Carrichtera annua</i> - Ward's weed
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Glebionis coronaria</i> - crown daisy
<i>Hainardia cylindrica</i> - barb grass
<i>Helminthotheca echioides</i> - bristly ox-tongue
<i>Hordeum murinum</i> - wall barley
<i>Lactuca serriola</i> - prickly lettuce
<i>Laennecia coulteri</i> - Coulter's horseweed
<i>Lamarckia aurea</i> - golden-top
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle
<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa miliacea</i> var. <i>miliacea</i> - smilo grass

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1709

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1710

2003 Baseline Survey Data

Baseline Cover of ERAR: 90.0

Baseline Cover of NAFO: 0.5

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 10.0

2020 Quantitative Monitoring Data

Survey Date: 5/29/2020

Survey Start Time: 03:46 PM

Survey End Time: 04:00 PM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

Species Name	Cover
<i>Cylindropuntia prolifera</i> - coast cholla	<1%

Cover of Other Native Species in Basin: 1-5%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus hordeaceus</i> - soft chess	1-5%
<i>Festuca myuros</i> - rattle tail sixweeks grass	<1%
<i>Lysimachia arvensis</i> - scarlet pimpernel	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: 10-25%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1710

2020 Quantitative Monitoring Data continued
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Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Artemisia californica</i> - California sagebrush
<i>Atriplex pacifica</i> - south coast saltscale
<i>Atriplex semibaccata</i> - Australian saltbush
<i>Baccharis sarothroides</i> - broom baccharis
<i>Bahiopsis laciniata</i> - San Diego viguiera
<i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet
<i>Bromus hordeaceus</i> - soft chess
<i>Bromus madritensis</i> - foxtail chess
<i>Calystegia macrostegia</i> - island morning glory
<i>Carrichtera annua</i> - Ward's weed
<i>Centaurea melitensis</i> - tocalote
<i>Cylindropuntia prolifera</i> - coast cholla
<i>Encelia californica</i> - California encelia
<i>Eriogonum fasciculatum</i> - California buckwheat
<i>Erodium botrys</i> - long-beak filaree/storksbill
<i>Erodium moschatum</i> - greenstem filaree
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Ferocactus viridescens</i> - San Diego barrel cactus
<i>Festuca myuros</i> - rattail sixweeks grass
<i>Glebionis coronaria</i> - crown daisy
<i>Hainardia cylindrica</i> - barb grass
<i>Lactuca serriola</i> - prickly lettuce
<i>Laennecia coulteri</i> - Coulter's horseweed
<i>Lysimachia arvensis</i> - scarlet pimpernel
<i>Lythrum hyssopifolia</i> - grass poly
<i>Opuntia littoralis</i> - coast prickly-pear
<i>Peritoma arborea</i> - bladderpod
<i>Phalaris minor</i> - little-seeded canary grass
<i>Phalaris paradoxa</i> - hood canary grass
<i>Pogogyne nudiuscula</i> - Otay mesa mint
<i>Polypogon monspeliensis</i> - rabbitfoot grass
<i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed
<i>Rhus integrifolia</i> - lemonade berry
<i>Salsola tragus</i> - Russian thistle
<i>Salvia mellifera</i> - black sage
<i>Simmondsia chinensis</i> - jojoba
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1710

<i>Sonchus oleraceus</i> - common sow thistle
<i>Stipa miliacea</i> var. <i>miliacea</i> - smilo grass
<i>Stipa pulchra</i> - purple needle grass

Notes:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: South Otay 1 acre (J13N)

VP ID: 1235

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.5

Baseline Cover of ORCA: 10.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/27/2020

Survey Start Time: 01:40 PM

Survey End Time: 02:50 PM

Surveyors: Jason Allen

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Cressa truxillensis</i> - alkali weed	<1%
<i>Deinandra fasciculata</i> - fascicled tarweed	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	1-5%
<i>Malvella leprosa</i> - alkali-mallow	1-5%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	5-10%

Cover of Other Native Species in Basin: 5-10%

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

Species Name	Cover
<i>Bromus rubens</i> - red brome	<1%
<i>Festuca perennis</i> - rye grass	50-75%
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i> - Mediterranean barley	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	10-25%
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant	<1%
<i>Phalaris minor</i> - little-seeded canary grass	<1%
<i>Salsola tragus</i> - Russian thistle	<1%
<i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 50-75%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in Basin: 5-10%

Cover of Rocks/Cobble in Basin: <1%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: South Otay 1 acre (J13N)

VP ID: 1235

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Cressa truxillensis</i> - alkali weed
<i>Deinandra fasciculata</i> - fascicled tarweed
<i>Festuca perennis</i> - rye grass
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i> - Mediterranean barley
<i>Lythrum hyssopifolia</i> - grass poly
<i>Malvella leprosa</i> - alkali-mallow
<i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant
<i>Salsola tragus</i> - Russian thistle
<i>Sonchus oleraceus</i> - common sow thistle

Notes: Thick thatch cover and boards

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: South Otay 1 acre (J13N)

VP ID: 2339

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2020 Quantitative Monitoring Data

Survey Date: 5/27/2020

Survey Start Time: 01:05 PM

Survey End Time: 02:01 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR, ORCA

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin: <1%

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Species Name	Cover
<i>Cressa truxillensis</i> - alkali weed	<1%
<i>Eleocharis macrostachya</i> - pale spike-rush	50-75%
<i>Malvella leprosa</i> - alkali-mallow	5-10%
<i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads	1-5%

Cover of Other Native Species in Basin: 50-75%

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

Species Name	Cover
<i>Festuca perennis</i> - rye grass	10-25%
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i> - Mediterranean barley	1-5%
<i>Lythrum hyssopifolia</i> - grass poly	1-5%
<i>Silene gallica</i> - windmill pink	<1%

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in Basin: 1-5%

Cover of Rocks/Cobble in Basin: <1%

Cover of Litter in Basin: <1%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Survey Year: 2020

Complex Name: South Otay 1 acre (J13N)

VP ID: 2339

2020 Quantitative Monitoring Data continued

Associated Species in Buffer: (Buffer = 20 foot or 6 meter radius around basin perimeter)

Species Name
<i>Cressa truxillensis</i> - alkali weed
<i>Eleocharis macrostachya</i> - pale spike-rush
<i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery
<i>Festuca perennis</i> - rye grass
<i>Hordeum marinum</i> ssp. <i>gussoneanum</i> - Mediterranean barley
<i>Lythrum hyssopifolia</i> - grass poly
<i>Malvella leprosa</i> - alkali-mallow
<i>Phalaris minor</i> - little-seeded canary grass

Notes:

Appendix C-1

2020 Vernal Pool Management Photolog

1. Carmel Mountain
2. Carroll Canyon/Parkdale Carroll Canyon
3. Del Mar Mesa (City)
4. Pueblo Lands (South)
5. Pasatiempo
6. Serra Mesa Library
7. Cal Terraces (North) (City), Otay Mesa Road Parcels
8. Cal Terraces (South)
9. Clayton Parcel
10. Goat Mesa (City)
11. Marron Valley
12. Otay Lakes
13. Proctor Valley
14. West Otay B
15. West Otay C
16. Robinhood Ridge



Photo 1. Photo taken: 4/7/2020



Photo 2. Photo taken: 3/24/2020



Photo 3. bike tracks in pool



Photo 4. weeds



Photo 5. Photo taken: 3/18/2020



Photo 6. Photo taken: 5/11/2020



Photo 7. Photo taken: 1/29/2020



Photo 8. Photo taken: 3/24/2020

**Appendix C-1 - 2020 Vernal Pool Management Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 9. Photo taken: 4/1/2020

**Appendix C-1 - 2020 Vernal Pool Management Photolog
Cal Terraces (South)**



Photo 10. Photo taken: 1/31/2020



Photo 11. Photo taken: 6/25/2020

Photographic Documentation
Photos 10 & 11



Photo 12. Photo taken: 1/9/2020



Photo 13. Photo taken: 5/5/2020

Appendix C-1 - 2020 Vernal Pool Management Photolog Clayton Parcel



Photo 14. Photo taken: 5/6/2020



Photo 15. Photo taken: 5/13/2020



Photo 16. fire line



Photo 17. Photo taken: 4/1/2020, fence damage



Photo 18. weeds



Photo 19. trash



Photo 20. Photo taken: 1/9/2020



Photo 21. Photo taken: 5/13/2020



Photo 22. Photo taken: 1/9/2020



Photo 23. Photo taken: 1/9/2020



Photo 24. Photo taken: 1/31/2020



Photo 25. Photo taken: 1/31/2020

**Appendix C-1 - 2020 Vernal Pool Management Photolog
Robinhood Ridge**



Photo 26. Photo taken: 7/1/2020



Photo 27. Photo taken: 7/1/2020

Photographic Documentation
Photos 26 & 27

Appendix C-2

2020 Vernal Pool Monitoring Photolog

1. Carroll Canyon/Parkdale Carroll Canyon
2. Del Mar Mesa (City)
3. Greystone Torrey Highlands
4. Lopez Ridge (City)
5. Cal Terraces (North) (City), Otay Mesa Road Parcels
6. Cal Terraces (South)
7. Clayton Parcel
8. Goat Mesa (City)
9. Nobel Drive
10. Otay Lakes
11. West Otay C
12. Robinhood Ridge
13. South Otay 1 acre (City)



Photo 1. Pool 1077



Photo 2. Pool 1092



Photo 3. Pool 1096



Photo 4. Pool 1109

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Carroll Canyon/Parkdale Carroll Canyon**



Photo 5. Pool 1740



Photo 6. Pool 1743

Photographic Documentation
Photos 5 & 6



Photo 7. Pool 1746



Photo 8. Pool 1255



Photo 9. Pool 1260



Photo 10. Pool 1264



Photo 11. Pool 1272



Photo 12. Pool 1842



Photo 13. Pool 2468



Photo 14. Pool 1177



Photo 15. Pool 706



Photo 16. Pool 712

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 17. Pool 100



Photo 18. Pool 1310

Photographic Documentation
Photos 17 & 18

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 19. Pool 1321



Photo 20. Pool 1713

Photographic Documentation
Photos 19 & 20

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 21. Pool 1724



Photo 22. Pool 295

Photographic Documentation
Photos 21 & 22

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 23. Pool 301



Photo 24. Pool 42

Photographic Documentation
Photos 23 & 24

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 25. Pool 445



Photo 26. Pool 447

Photographic Documentation
Photos 25 & 26

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 27. Pool 449



Photo 28. Pool 450

Photographic Documentation
Photos 27 & 28

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 29. Pool 451



Photo 30. Pool 452

Photographic Documentation
Photos 29 & 30

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 31. Pool 459



Photo 32. Pool 464

Photographic Documentation
Photos 31 & 32

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 33. Pool 471



Photo 34. Pool 473

Photographic Documentation
Photos 33 & 34

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 35. Pool 483



Photo 36. Pool 484

Photographic Documentation
Photos 35 & 36

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 37. Pool 490



Photo 38. Pool 502

Photographic Documentation
Photos 37 & 38

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 39. Pool 509



Photo 40. Pool 51

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 41. Pool 591



Photo 42. Pool 67

Photographic Documentation
Photos 41 & 42

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (North) (City), Otay Mesa Road Parcels**



Photo 43. Pool 78



Photo 44. Pool 89

Photographic Documentation
Photos 43 & 44



Photo 45. Pool 96



Photo 46. Pool 2022



Photo 47. Pool 2025



Photo 48. Pool 2039



Photo 49. Pool 2043

**Appendix C-2 - 2020 Vernal Pool Monitoring Photolog
Cal Terraces (South)**



Photo 50. Pool 2044



Photo 51. Pool 2185

Photographic Documentation
Photos 50 & 51



Photo 52. Pool 2189



Photo 53. Pool 876



Photo 54. Pool 1141



Photo 55. Pool 1142



Photo 56. Pool 1175



Photo 57. Pool 1189



Photo 58. Pool 1920



Photo 59. Pool 2642



Photo 60. Pool 666



Photo 61. Pool 1801



Photo 62. Pool 208



Photo 63. Pool 656



Photo 64. Pool 891



Photo 65. Pool 892



Photo 66. Pool 892



Photo 67. Pool 1545



Photo 68. Pool 1577



Photo 69. Pool 1580



Photo 70. Pool 1595



Photo 71. Pool 1596



Photo 72. Pool 1598



Photo 73. Pool 1599



Photo 74. Pool 1600



Photo 75. Pool 1601



Photo 76. Pool 1602



Photo 77. Pool 1603



Photo 78. Pool 1604

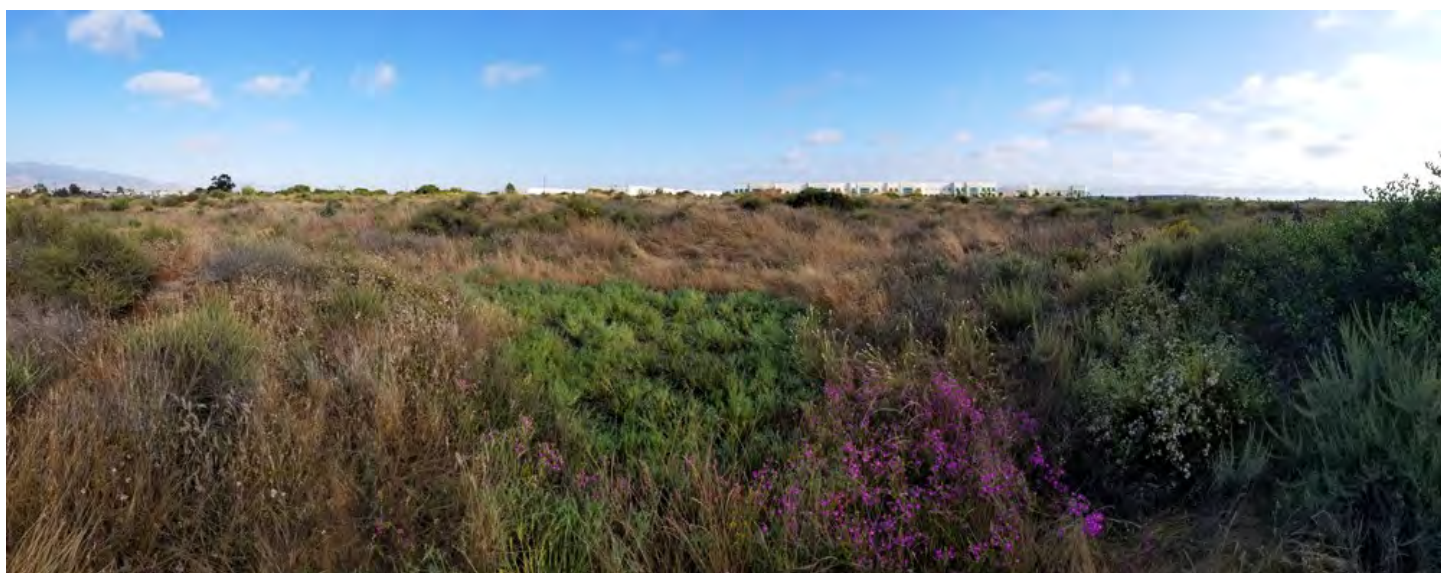


Photo 79. Pool 1606



Photo 80. Pool 1607



Photo 81. Pool 1608



Photo 82. Pool 1609



Photo 83. Pool 1666



Photo 84. Pool 1667



Photo 85. Pool 1668



Photo 86. Pool 1669



Photo 87. Pool 1670



Photo 88. Pool 1671



Photo 89. Pool 1672



Photo 90. Pool 1673



Photo 91. Pool 1675



Photo 92. Pool 1676



Photo 93. Pool 1677



Photo 94. Pool 1678

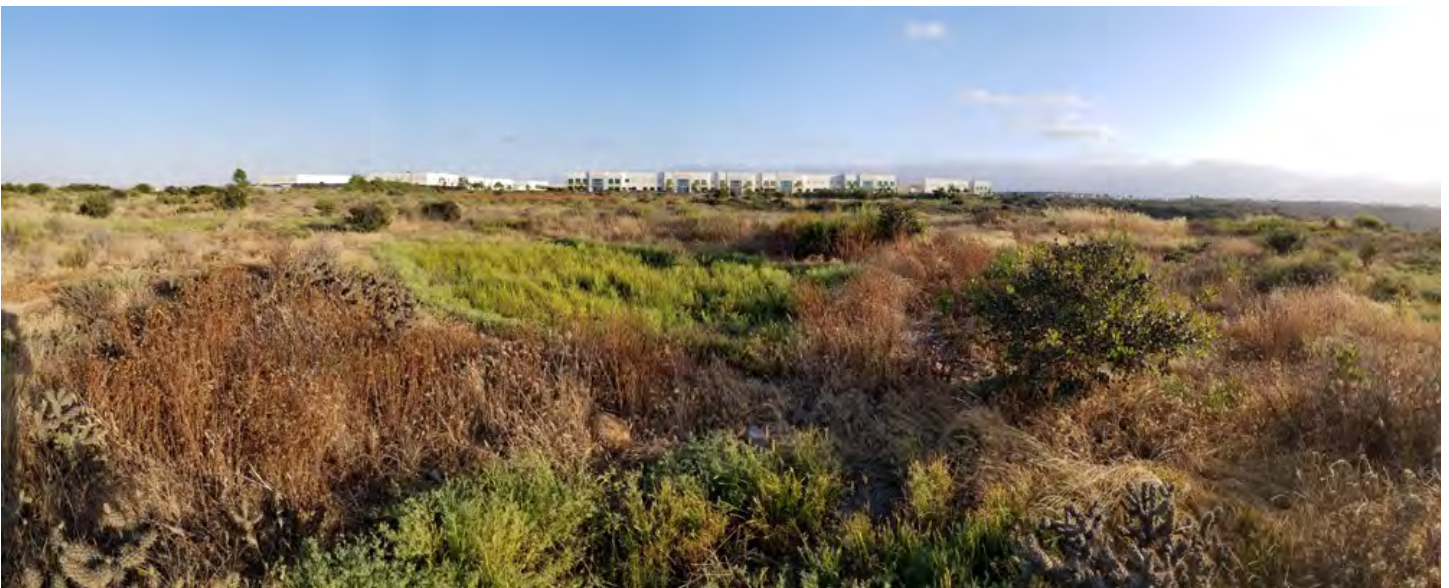


Photo 95. Pool 1679



Photo 96. Pool 1684



Photo 97. Pool 1685



Photo 98. Pool 1688



Photo 99. Pool 1689



Photo 100. Pool 1691



Photo 101. Pool 1692



Photo 102. Pool 1693



Photo 103. Pool 1694



Photo 104. Pool 1696



Photo 105. Pool 1697



Photo 106. Pool 1698



Photo 107. Pool 1699



Photo 108. Pool 1700



Photo 109. Pool 1701



Photo 110. Pool 1702



Photo 111. Pool 1703



Photo 112. Pool 1705



Photo 113. Pool 1706



Photo 114. Pool 1708



Photo 115. Pool 1709



Photo 116. Pool 1710



Photo 117. Pool 1235



Photo 118. Pool 2339

Appendix D

Private Property Compliance Tracking

APPENDIX D: Private Property Compliance Tracking

Project	Associated Plan	Maintenance Requirements	Monitoring Requirements	Success Criteria	Reporting Requirements ¹	2020 Status
Handler	Mitigated Negative Declaration (Section V-9 Vernal Pool Management Plan)	<ul style="list-style-type: none"> Weed control (see success standards) Fence and sign repair Trash and debris removal Remedial measures (invasive plant control, erosion control, additional fencing and vehicle barriers, seeding) 2 general maintenance visits per year Monthly weed control visits from January through May each year 	<ul style="list-style-type: none"> Monitoring visits 4 times per year (fall, January, March, May) Photographs at established photo points taken at each visit Species cover and richness taken in pool and upland areas Detailed status notes on maintenance needs 	<ul style="list-style-type: none"> Beet grass (<i>Agrostis</i> sp.) and Italian ryegrass (<i>Lolium multiflorum</i>) <1% cover Total nonnative weed cover within pools <5% Total nonnative weed cover in upland area <5% Total nonnative grass cover in upland area <25% 	<ul style="list-style-type: none"> Following the final monitoring visit each year, the VP monitor shall prepare a letter evaluating the state of the preserved vernal pool habitat to date, along with any recommended remedial measures. Copies of the letter will be submitted to the MSDP, EAC, SBAC, and other City staff, as appropriate. 	Grading permits issued 2019-2020; No reports 2020; Status report vernal pool restoration/mitigation submitted end of 2021
Mesa Norte	Mesa Norte Vernal Pool Mitigation Plan (1998)	<ul style="list-style-type: none"> Fence and sign repair will be conducted in perpetuity Trash and debris removal Remedial measures (invasive eradication, erosion control, additional fencing and vehicle barriers, fire suppression/damage repair, trampling repair) 2 weed control visits during spring (general and vernal pool basin) 	No monitoring requirements outlined in the VPHCP for this complex.	Maintain existing habitat conditions consistent with the Mesa Norte Vernal Pool Mitigation Plan	<ul style="list-style-type: none"> City to work with property owner to assess implementation of the Mesa Norte Vernal Pool Mitigation Plan and provide annual reporting. 	Closed out; No further action; No VPHCP monitoring requirement
Rhodin Crossing	Rhodin Crossing Habitat Management Plan (2013)	<ul style="list-style-type: none"> 2 weed control visits during (once in January/February and again in April/May) Fence and sign repair, as needed and informed by general quarterly surveys. 	<ul style="list-style-type: none"> Created and preserved vernal pools within the preserve areas will be visited twice during the rainy season (Feb-April) each year for 10 years to assess their condition. After 10 years they will be visited once per year. Each pool will be monitored and a species list will be created, including presence of exotics and cover estimates for each species Quarterly general surveys to document condition and extent of VPs The baseline vegetation/sensitive resources map will be updated every 5 years and submitted to the agencies. 	<ul style="list-style-type: none"> 'Zero Tolerance Species' to be removed within 2 weeks of discovery 'Moderate Tolerance Species' to be removed when cover increases 15% over baseline 	<ul style="list-style-type: none"> A report summarizing the status of the preserve, the results of the surveys, and all major actions taken since the last assessment will be provided to the USFWS, CDFG, and City each year by January 15. Report will include information on extent and overall health of habitats present within, changes to health or distribution of sensitive plant and animal species observed (provided on digital map), observed changes resulting from natural or man-made causes, management issues/tasks addressed during the last year, and tasks identified for the next year. Report will also compare most recent data with previous year, and identify appropriate remedial measures as needed. If any vegetation community or sensitive species is declining the report will outline a plan for its recovery. Report will also include updated digital-format maps of vegetation and sensitive species. The City's HMP Admin will be responsible for distributing. 	Need to submit vernal pool restoration/mitigation report January 15, 2022

Project	Associated Plan	Maintenance Requirements	Monitoring Requirements	Success Criteria	Reporting Requirements ¹	2020 Status
Salk Institute	Habitat Management Plan (2008)	<ul style="list-style-type: none"> • 2 weed control visits annually in the spring • Trash removal visits every other month • Ongoing maintenance of barrier along Torrey Pines Scenic Drive 	<ul style="list-style-type: none"> • Baseline inventory of quality and quantity of vernal pools (2008) • 2 monitoring visits per year during the rainy season (Feb-April): create species list with cover estimates 	<ul style="list-style-type: none"> • Maintain existing habitat conditions consistent with the Salk Institute Master Plan Habitat Management Plan • 'Zero Tolerance Species' to be removed within 2 weeks of discovery • 'Moderate Tolerance Species' to be removed when cover increases 15% over baseline 	<ul style="list-style-type: none"> • Reports due every other year by the 15th of January following the end of the preceding calendar year • Copies provided to Salk Institute, USFWS, CDFW, and the City. • The report will document: existing conditions in the preserve, wildlife use of the preserve, significant changes within the preserve, and recommended remedial measures. • Report will include: summary of management actions; summary of results of annual survey; locations of sensitive species detected within the preserve; description of exotic species removal/measures (with before and after photos); description of proposed exotic species removal tasks for the following year; site maps showing areas of concern; photo documentation of any significant management issues or biological observations. HMP	Project grading, VP mitigation and protection of VP complete. Project closed out. City has not received reporting of long term management activities; in perpetuity reporting not included in project settlement
Shaw-Lorenz	Vernal Pool Management Plan Shaw-Lorenz Project (2007)	<ul style="list-style-type: none"> • All weeding within and adjacent to pools will be performed by hand; no herbicide use • Weeding to occur twice per year, generally in Spring • Removal of trash, regularly or at intervals • Installation and repair of protective fencing, signage, direct-light shields, drainage ditches and weaves • No brush management will be conducted within Mitigation Site and Conserved areas containing depositional features (except list; however no brush management within the basin) 	<ul style="list-style-type: none"> • Annual quantitative monitoring (species richness and vegetative cover) for CSS restoration; stratified random sampling with maps provided 	<ul style="list-style-type: none"> • 5 years of success criteria for upland restoration/enhancement areas will include: the appropriate species richness and cover criteria for all five years of monitoring: 0% weed cover for Cal-IPC High or Moderate and <5% relative cover of all other exotic weed species. • Container plant survival >80% of the initial plantings for the first five years. At the end of Years 1 and 2, all dead plants will be replaced unless their function has been replaced by natural recruitment 	<ul style="list-style-type: none"> • Annual reports will be submitted to the Service by Sept. 1 of each year of the 5-year monitoring program. • Reports will assess both the attainment of yearly success criteria and progress toward the final success criteria. • The reports will summarize the project's compliance with all Service biological opinion conservation measures and terms and conditions. BO	Grading complete; project closed out. Venetian fair shrimp issue; RECON working with USFWS. Follow up to be provided 2022

¹Reporting requirements are derived from associated plans; plan type acronyms listed for each set of requirements are defined as follows: BO = Biological Opinion; HMP = Habitat Management Plan; MP = Mitigation Plan; AMMP = Mitigation Monitoring Reporting Program

