2023 Vernal Pool Habitat Conservation Plan Management and Monitoring Annual Report

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Acronyms and Abbreviations

CE	California state endangered
City	City of San Diego
CR	Vernal Pool Creation
DREAM	Department of Real Estate and Airport Management
EF	Enterprise Funds
EN	Enhancement
ERAR	*Eryngium aristulatum* var. *parishii*
FE	federally endangered
FT	federally threatened
GF	General Fund
GPMF	General Plan Maintenance Fund
ITP	Incidental Take Permit
MSCP	Multiple Species Conservation Program
NA	Not Applicable
NAFO	*Navarretia fossalis*
NC	No Change
ORCA	*Orcuttia californica*
P&R	Parks and Recreation
POAB	*Pogogyne abramsii*
PONU	*Pogogyne nudiuscula*
PUD	Public Utilities Department
RE	Restoration
RFS	*Streptocephalus woottoni*
SDFS	*Branchinecta sandiegonensis*
TBD	To Be Determined
USFWS	United States Fish and Wildlife Service
VPHCP	Vernal Pool Habitat Conservation Plan
VPMMP	Vernal Pool Management and Monitoring Plan
Wildlife Agencies	United States Fish and Wildlife Service and the California Department of Fish and Wildlife

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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's) Vernal Pool Habitat Conservation Plan (VPHCP) (City 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 VPHCP for further detail regarding the VPHCP Plan Area).

Management and monitoring activities detailed in the VPHCP and its supplemental document, the Vernal Pool Management and Monitoring Plan (VPMMP) (City 2020), are designed to support conservation goals consistent with the United States Fish and Wildlife Service (USFWS) Recovery Plan for Vernal Pools of Southern California (USFWS 1998) (refer to Chapter 5 of the VPHCP for further details regarding conservation goals). The following five plant species and two crustacean (shrimp) species are included as covered species,[1] in addition to their associated habitat (vernal pools):

- Otay Mesa mint (*Pogogyne nudiuscula*, PONU) – FE, CE;
- San Diego mesa mint (*Pogogyne abramsii*, POAB) – FE, CE;
- 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 was informed by the City of San Diego 2002–2003 Vernal Pool Inventory (baseline studies) (City 2002–2003) and the available scientific data at the time of VPHCP preparation. The City recognizes that there are inherent gaps in the available scientific data and understanding of population ecology of the covered species is constantly evolving. Therefore, it is expected that over time, as additional research is conducted and data are collected on the covered species residing within the City, the management program (triggers and/or actions) can and will be adjusted to reflect new information and understanding of population function and dynamics, providing an adaptive approach to VPHCP implementation.

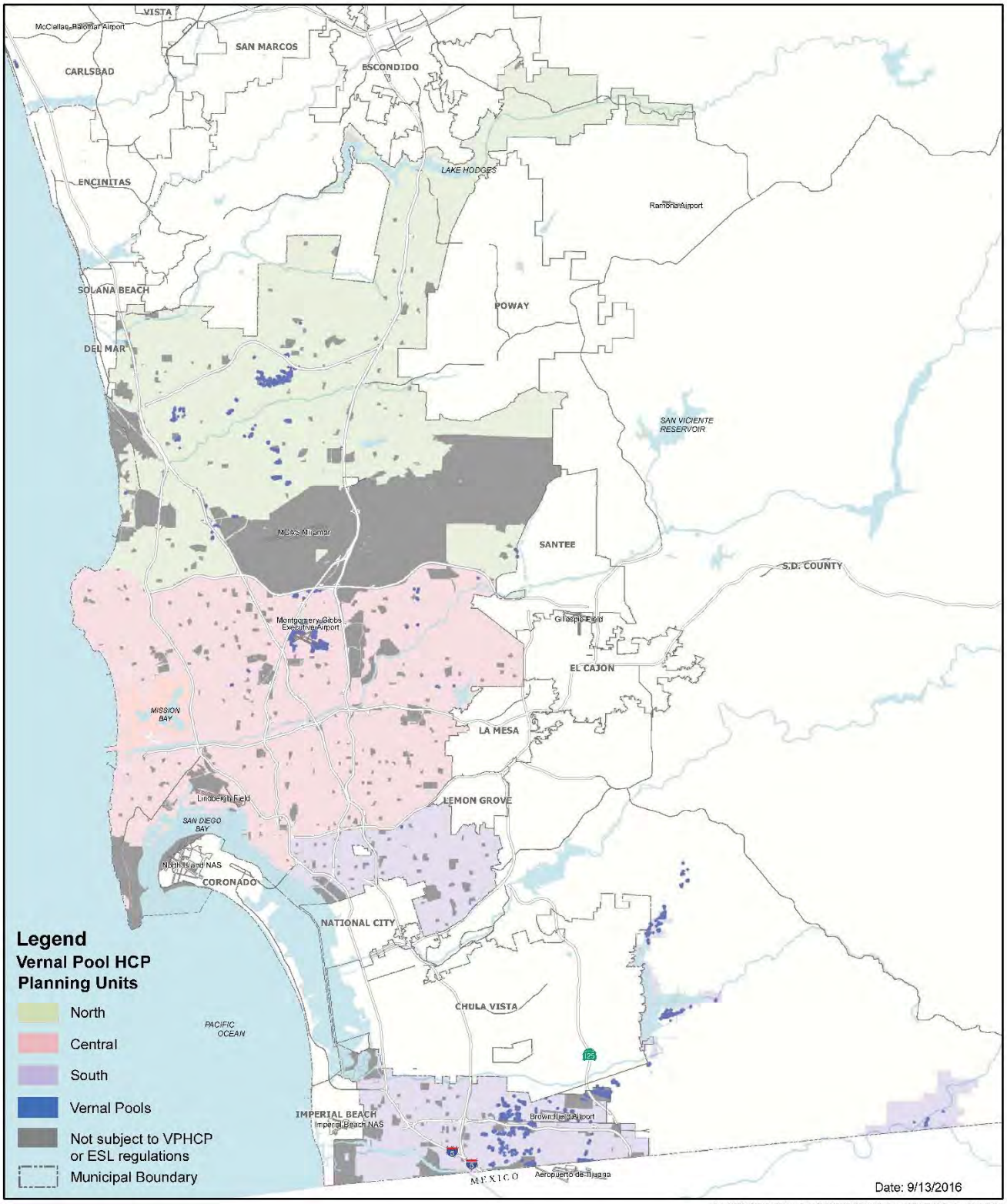
The VPMMP outlines adaptive monitoring and management strategies applicable to individual vernal pool complexes.[2] Appendix A of this 2023 management and monitoring annual report (2023 Annual Report) details each vernal pool complex covered under the VPHCP. The City is responsible for adhering to management and monitoring activities outlined in the VPMMP and VPHCP, and reporting on those activities annually to USFWS and the 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 2023 Annual Report fulfills the City's annual VPHCP reporting requirements for the 2023 fiscal year (FY) (July 1, 2022, through June 30, 2023).

[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).



THE CITY OF SAN DIEGO

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.

N

0 7,800 15,200 22,800 Feet

SanGIS

Figure 1.1-1
Vernal Pool HCP Plan Area

1.3 Management and Monitoring Requirements

1.3.1 City-Owned Complexes

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, including monitoring methods, sampling design, and management activities, 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). The three-tiered management level approach is based on the condition of each vernal pool complex as determined during development of the VPHCP. Management levels for the existing inventory (baseline studies) of vernal pool complexes were assigned during the development of the VPHCP. For newly-identified vernal pool complexes, the management level will be assigned based on the current condition of the vernal pool complex when identified (see Section 1.6.1 for details). 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, as required by management level assignment, are detailed in Table 4-6 of the VPMMP.

Per the VPHCP, minimum precipitation thresholds must be met for at least 3 years prior to management level change adoption, if warranted by performance. Minimum precipitation thresholds apply at a planning unit (north, central, and south as depicted in Figure 1.1-1) scale and at least 3 years of data collection during adequate rainfall years (at least 55% of average total rainfall) are required to provide an analysis that would identify triggers in change of management level of an individual complex. Section 2.1.2 of this 2023 Annual Report provides an analysis of precipitation between FY 2019 and FY 2023 in relation to management and monitoring levels. In addition to precipitation minimum thresholds, a vernal pool complex must receive a minimum number of years of management activities in order to be eligible for a management level change. The VPHCP indicates that Level 2 and 3 vernal pool complexes are not subject to management level change until 3 and 5 years, respectively, of management is fulfilled. Table 4-5 of the VPMMP provides further detail regarding management level triggers and thresholds. This annual report summarizes the fifth year of VPHCP implementation and analyzes management level performance for Years 1 through 5 for vernal pool complexes across all management levels.

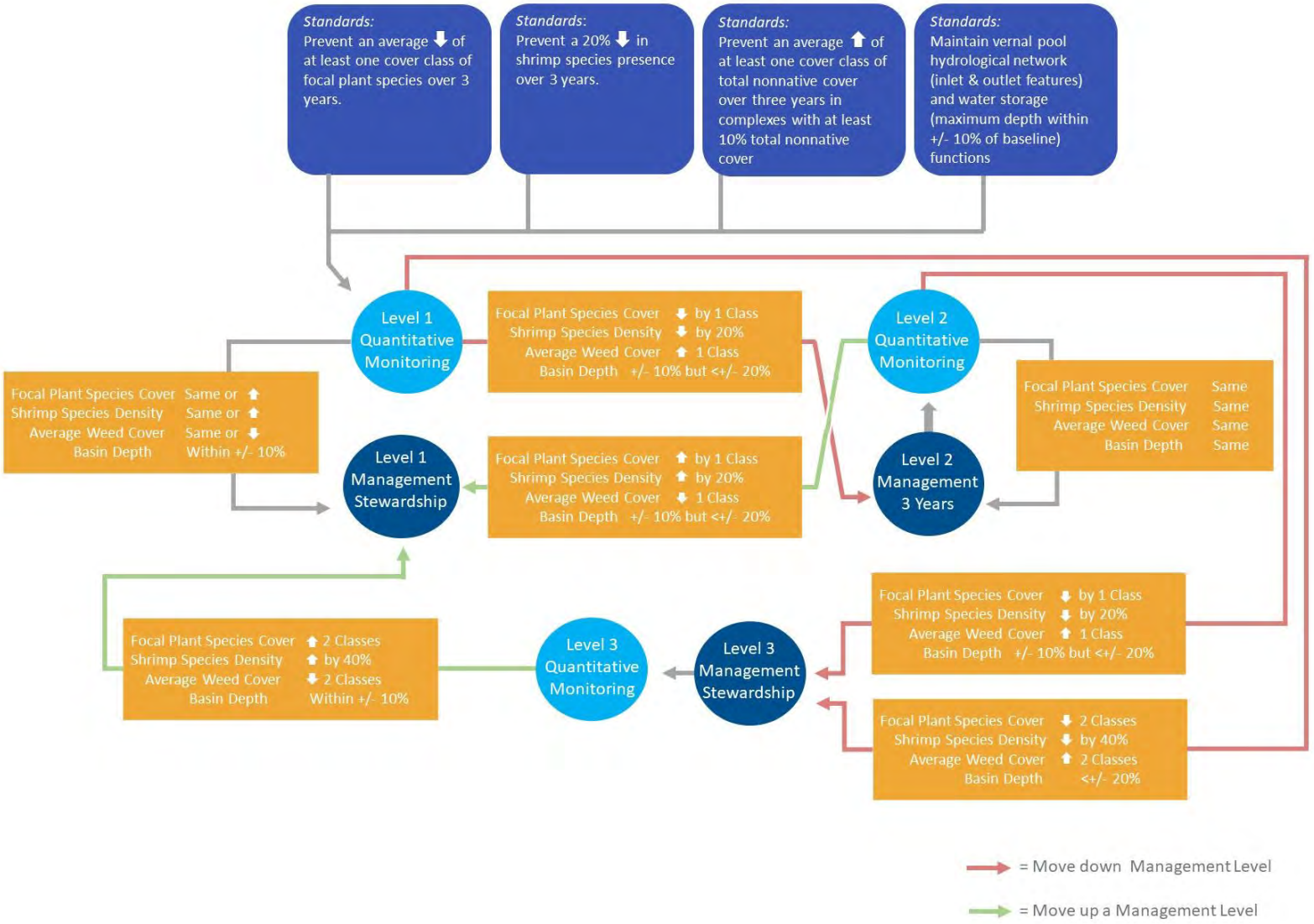
Management level changes proposed from performance during Years 1 through 5 of VPHCP implementation are discussed further in Section 2.1.2. If results trigger a change in management level for a Level 1 or Level 2 vernal pool complex, the City will revise the VPMMP to include updated maintenance and monitoring requirements for the new management level.

1.3.2 Privately-Owned and Conserved Pre-MSCP Complexes

Vernal pools located on six private properties (green sites listed in Appendix A) that were conserved prior to the adoption of the City's MSCP Subarea Plan (City 1997) are currently not managed under the City's VPMMP. These six sites are known as the "orphan sites." The City routinely conducts passive qualitative monitoring from publicly accessible vantage points for these orphan sites; however, the City is not able to capture a complete assessment of the complex's condition from these limited access points. Furthermore, the City does not have legal access or an established easement to perform a more in-depth level of monitoring.

In 2022, the City conducted site-specific research to determine current property ownership and status of orphan sites within the VPHCP Plan Area. This effort involved extensive online research to confirm current ownership of these properties as ownership may have changed since the last parcel map update. City staff will continue to engage with these six property owners to discuss the importance of vernal pool resources on their respective properties and the possibility to convey the properties to the City as funding and staff resources are identified and become available. From this effort, the City has engaged with partner organizations that are taking the lead on performing management activities at the orphan sites. During FY 2023, management activities were conducted by partner organizations at the Arjons (I 1) and Mesa Norte (B 11) vernal pool complexe

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



1.4 Private Property Reporting Enforcement

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 in Appendix A). Since private projects listed in Appendix A were approved prior to development of the VPHCP, private projects approved and pending VPHCP adoption will develop and follow a standardized reporting method. Section 2.2 of this 2023 Annual Report discusses further details regarding management and monitoring for private properties that are subject to the VPHCP.

The City has developed an online portal to facilitate private property management reporting for vernal pools. This online portal streamlines submittal of required private projects' vernal pool annual reports through a centralized location that is accessible across City departments. Previously, reports were either emailed to the Development Services Department, Wildlife Agencies, or the MSCP program manager which made tracking difficult to manage. The online portal facilitates adequate reporting submissions that meet VPHCP requirements and allow for a timely response from City staff, as needed. Annual reports received through the portal will be provided to the wildlife agencies upon request.

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 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 2023 Annual Report details a running total of take across VPHCP-covered projects.

1.6 VPHCP and VPMMP Updates

Following adoption of the VPHCP, the City has encountered nuances associated with implementation of the VPHCP which warrant updates to the VPHCP and VPMMP. A description of proposed updates is described herein.

1.6.1 Newly Observed Vernal Pools and Vernal Pool Complexes

The VPHCP was based on data available at the time of the document's development. Following the adoption of the VPHCP, the City observed vernal pools and vernal pool complexes that were not captured during implementation of the baseline studies that informed the VPHCP. It was understood that comprehensive surveys were not performed for the entire planning area, and the City and Wildlife Agencies anticipated the need to incorporate additional vernal pools and vernal pool complexes as they were discovered during subsequent surveys associated with implementation of the VPHCP. Because these vernal pools were not captured during baseline studies, no management sheets were developed and, therefore, no management levels were assigned to the newly observed vernal pool complexes. In addition, management sheets for vernal pool complexes where newly discovered vernal pools have been identified need updates; these updates are anticipated to be included in the 2024 Annual Report. To introduce these vernal pools and complexes, the City performed baseline studies for five newly observed vernal pools and vernal pool complexes in FY 2023. The results of the FY 2023 baseline studies are included in site-specific management sheets that were presented for review to the Wildlife Agencies in early 2024. Site visits to the new pools are currently being conducted in 2024, and site-specific management sheets are expected to be added to the 2024 Annual Report.

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 monitoring 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 2023. Management activities were conducted throughout the fiscal year, as feasible and in response to level of urgency (as determined by qualitative 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 originally recorded in the VPHCP; these pools are prefixed with “NEW” in the complex name and/or vernal pool identification. In addition to monitoring of City-managed vernal pool complexes, the City performed passive qualitative monitoring for privately owned pre-MSCP sites (“orphan sites”); monitoring results for these sites are summarized in Table 2-2. Appendix C-1 of this 2023 Annual Report includes datasheets detailing complex-specific monitoring and management information. Appendix D-1 includes photos captured during management visits and depicts 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 a modified form of the California Native Plant Society plant cover methodology and collected from pool margins to avoid disturbance (refer to Chapter 4.4.1 in the VPMMP for further details regarding the adaptation of California Native Plant Society cover classes). Additionally, cover estimates for native and nonnative species collected for vernal pool basins include 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 monitor 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	Yes
		X 5	Nobel Drive	Yes	Yes
		I 12	Pueblo Lands (South)	Yes	Yes
	Central	Q 2	Mission Trails Regional Park (City)	Yes	Yes
		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	Yes
		J 2	Cal Terraces (North) (City), Otay Mesa Road Parcels[O]	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
		K 5	Otay Lakes	Yes	Yes
		R 1	Proctor Valley	Yes	Yes
		J 4-5	Robinhood Ridge	Yes	Yes
		J 32	West Otay B	Yes	Yes
		J 32	West Otay C	Yes	Yes
		J 16-18	Wruck Canyon	Yes	No
Level 2	Central	U 15	SANDER	Yes	Yes
Level 3	South	J 35	Brown Field[+]	Yes	Yes
		J 13 N	South Otay 1 acre (City)	Yes	Yes
NA	North	C10-16	Winterwood (City)[++, O]	Yes	Yes
		TBD	NEW: Fairbanks Highlands	Yes	Yes
		TBD	NEW: Dormouse	Yes	Yes
		TBD	NEW: Stowe	Yes	Yes
	Central	TBD	NEW: Calle de Vida	Yes	Yes
		KK 1	Lake Murray	Yes	Yes
		QQ	Tecolote Canyon[++]	Yes	Yes
	South	NC	Kelton[++]	Yes	No
		TBD	NEW: Topsail	Yes	Yes
		TBD	NEW: Seabird Way	Yes	Yes

[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 and therefore is not assigned to a management level nor complex series; circle (o) indicates a portion of the vernal pool complex is not under City ownership: Complex J 2 = partial site ownership by Tripoint,

Complex C10-16 = partial site ownership by San Diego Unified School District; (++) double cross indicates that no management is required per the VPMMP.
[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. Management activities were conducted as needed within each vernal pool complex. 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 2021.
Key to acronyms used: **NA** = Not Applicable; **TBD** = To Be Determined

Table 2-2. Qualitative Monitoring and Management Events for Private Conserved Pre-MSCP Vernal Pool Complexes

Mgmt. Level	Planning Unit	Complex Series	Vernal Pool Complex Name	Passive Qualitative Monitoring Occurred[1, 2]
NA	North	C 17-18	Fieldstone	Yes
		H 33	East Ocean Air Drive	Yes
		I 1	Arjons	Yes
		I 6 B	Ford Leasing (Bob Baker)	Yes
		I 6 C	Facilities Development (Eastgate Miramar Associates)	Yes
	South	J 27	Empire Center	Yes

[1] Details regarding monitoring observations and management activities are provided in Appendix B-1.
[2] During the reporting period, right-of-entry permits to access these sites were not available to the City; therefore, City staff were only able to view the properties from the public right-of-way to conduct qualitative monitoring visits.
Key to acronyms used: **NA** = Not Applicable

Results

Quantitative monitoring for City-owned vernal pool complexes was generally conducted during the spring months (February through May) of 2023. Vernal-pool-specific monitoring datasheets are attached as Appendix C-2 and include comprehensive floral inventories and cover estimates for each surveyed vernal pool. Vernal pool sampling size and individual vernal pool selection (for monitoring) within each vernal pool complex are summarized in Table 2-3. Generally, pool selection was determined by management level requirements and influenced by presence of focal species recorded during baseline surveys. In the time since baseline conditions were documented (2003) and Year 5 of VPHCP implementation (2023), focal species have been detected at various individual vernal pools across City-owned vernal pool complexes where they were not previously detected; this is shown in Table 2-3. The City intends to work with the Wildlife Agencies to incorporate newly detected focal species locations into the baseline conditions that drive the VPMMP requirements as well as discuss the potential to adopt an acclimated baseline condition for vernal pool complexes where baseline studies were coincided with the early implementation period of restoration. Table 2-4 summarizes cover class estimates for each focal species and nonnative species cover recorded in 2023, while Table 2-5 summarizes the three-year average change from baseline conditions (illustrated in a graduated color scale). The years analyzed for management level change vary by conditions met and are discussed in further detail herein. Additionally, photos of surveyed vernal pool basins, photographed during quantitative surveys, are attached as Appendix D-2.

Newly observed vernal pools and complexes included in Table 2-1 did not receive quantitative monitoring in 2023 and are, therefore, not included in the data summary tables. Qualitative assessments of these newly observed vernal pools and complexes did not warrant quantitative monitoring of covered shrimp species; therefore, quantitative monitoring was not conducted during FY 2023 for newly observed vernal pools and complexes. These new pools and complexes are anticipated to be included in the FY 2024 management and monitoring effort.

Table 2-3. 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[2]	Total Number of Conserved Pools within Complex[3] (Sample Size)[4]	Total Number of Conserved Pools Occupied by Focal Species (Pools Occupied by Focal Species in Sample Size)[3,4] ✓ = Presence of Focal Species[5] at Baseline[6] Ω = Presence of Focal Species Detected at Acclimated Baseline						
				PONU	POAB	NAFO	ERAR	ORCA	RFS[7]	SDFS[7]
Level 1	North*	**Carroll Canyon/Parkdale Carroll Canyon - D 5-8**	**116 (7)**	**0 (0)**	**42 (6)**	**2 (2)**	**65 (7)**	**0 (0)**	**0 (-)**	**5 (-)**
		Pool 1077		-	✓	✓	✓	-	-	-
		Pool 1092		-	✓	Ω	✓	-	-	✓
		Pool 1096		-	✓	-	✓	-	-	-
		Pool 1109		-	✓	-	✓	-	-	✓
		Pool 1740		-	✓	-	✓	-	-	-
		Pool 1743		-	-	-	✓	-	-	-
		Pool 1746		-	✓	-	✓	-	-	✓
		Del Mar Mesa (City) - H 1-10, 13-15, 18-26	**92 (6)**	**0 (0)**	**4 (2)**	**1 (1)**	**50 (6)**	**0 (0)**	**0 (-)**	**8 (-)**
		Pool 1255		-	-	-	✓	-	-	-
		Pool 1260		-	Ω	Ω	✓	-	-	-
		Pool 1264		-	-	-	✓	-	-	-
		Pool 1272		-	-	-	✓	-	-	-
		Pool 1842		-	✓	-	Ω	-	-	-
		Pool 2468		-	-	-	✓	-	-	-
		Greystone Torrey Highlands - H 39	**19 (1)**	**0 (0)**	**5 (1)**	**0 (0)**	**3 (1)**	**0 (0)**	**0 (-)**	**0 (-)**
		Pool 1177		-	✓	-	✓	-	-	-
		Lopez Ridge (City) - B 7-8	**10 (2)**	**0 (0)**	**10 (2)**	**0 (0)**	**1 (1)**	**0 (0)**	**0 (-)**	**2 (-)**
		Pool 706		-	✓	-	✓	-	-	-
		Pool 712		-	✓	-	-	-	-	-
	Central*	**Montgomery Field - N 5-6**	**333 (13)**	**0 (0)**	**129 (13)**	**0 (0)**	**0 (0)**	**0 (0)**	**0 (-)**	**45 (-)**
		Pool 4256		-	✓	-	-	-	-	✓

Mgmt. Level	Planning Unit[1]	Vernal Pool Complex Name - Complex Series Vernal Pool ID[2]	Total Number of Conserved Pools within Complex[3] (Sample Size)[4]	Total Number of Conserved Pools Occupied by Focal Species (Pools Occupied by Focal Species in Sample Size)[3,4] ✓ = Presence of Focal Species[5] at Baseline[6] Ω = Presence of Focal Species Detected at Acclimated Baseline						
				PONU	POAB	NAFO	ERAR	ORCA	RFS[7]	SDFS[7]
		Pool 4596		-	✓	-	-	-	-	✓
		Pool 5352		-	✓	-	-	-	-	-
		Pool 5355		-	✓	-	-	-	-	-
		Pool 5356		-	✓	-	-	-	-	-
		Pool 5358		-	✓	-	-	-	-	-
		Pool 5363		-	✓	-	-	-	-	-
		Pool 5369		-	✓	-	-	-	-	-
		Pool 5371		-	✓	-	-	-	-	-
		Pool 5388		-	✓	-	-	-	-	-
		Pool 5423		-	✓	-	-	-	-	-
		Pool 6351		-	✓	-	-	-	-	-
		Pool 6384		-	✓	-	-	-	-	-
	South*	**Cal Terraces (North) (City), Otay Mesa Road Parcels - J 2**	**304 (29)**	**286 (29)**	**0 (0)**	**80 (13)**	**275 (29)**	**53 (11)**	**93 (-)**	**209 (-)**
		Pool 42**		✓	-	✓	✓	-	-	✓
		Pool 51**		✓	-	✓	✓	✓	-	✓
		Pool 67		✓	-	-	✓	-	-	-
		Pool 78		✓	-	-	✓	✓	✓	✓
		Pool 89		✓	-	-	✓	-	-	✓
		Pool 96		✓	-	✓	✓	-	-	✓
		Pool 100		✓	-	✓	✓	-	-	✓
		Pool 295		✓	-	-	✓	-	-	✓
		Pool 301		✓	-	-	✓	-	✓	✓
		Pool 445		✓	-	Ω	✓	Ω	✓	✓
		Pool 447		✓	-	✓	✓	-	-	✓

Mgmt. Level	Planning Unit[1]	Vernal Pool Complex Name - Complex Series Vernal Pool ID[2]	Total Number of Conserved Pools within Complex[3] (Sample Size)[4]	Total Number of Conserved Pools Occupied by Focal Species (Pools Occupied by Focal Species in Sample Size)[3,4] ✓ = Presence of Focal Species[5] at Baseline[6] Ω = Presence of Focal Species Detected at Acclimated Baseline						
				PONU	POAB	NAFO	ERAR	ORCA	RFS[7]	SDFS[7]
		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		✓	-	✓	✓	✓	-	✓
		Pool 1321		✓	-	-	✓	-	✓	✓
		Pool 1713		✓	-	-	✓	-	✓	✓
		Pool 1724		✓	-	-	✓	-	✓	✓
		Cal Terraces (South) - J 14	**73 (7)**	**63 (7)**	**0 (0)**	**10 (5)**	**55 (7)**	**6 (2)**	**26 (-)**	**32 (-)**
		Pool 2022		✓	-	-	✓	Ω	✓	✓
		Pool 2025		✓	-	✓	✓	-	✓	✓
		Pool 2039		✓	-	Ω	✓	-	✓	✓
		Pool 2043		✓	-	Ω	✓	✓	✓	✓
		Pool 2044		✓	-	Ω	✓	-	✓	✓
		Pool 2185		✓	-	-	✓	-	✓	✓

Mgmt. Level	Planning Unit[1]	Vernal Pool Complex Name - Complex Series Vernal Pool ID[2]	Total Number of Conserved Pools within Complex[3] (Sample Size)[4]	Total Number of Conserved Pools Occupied by Focal Species (Pools Occupied by Focal Species in Sample Size)[3,4] ✓ = Presence of Focal Species[5] at Baseline[6] Ω = Presence of Focal Species Detected at Acclimated Baseline						
				PONU	POAB	NAFO	ERAR	ORCA	RFS[7]	SDFS[7]
		Pool 2189		✓	-	Ω	✓	-	-	✓
		Nobel Drive - X 5	**11 (1)**	**0 (0)**	**0 (0)**	**1 (1)**	**0 (0)**	**0 (0)**	**0 (-)**	**6 (-)**
		Pool 666		-	-	✓+	-	-	-	-
		Clayton Parcel - J 2	**35 (1)**	**1 (1)**	**0 (0)**	**0 (0)**	**1 (1)**	**0 (0)**	**0 (-)**	**2 (-)**
		Pool 876		Ω	-	-	✓	-	-	-
		Goat Mesa (City) - J 16-18	**15 (6)**	**0 (0)**	**0 (0)**	**3 (3)**	**4 (2)**	**0 (0)**	**1 (-)**	**0 (-)**
		Pool 1141[X]		-	-	Ω	✓	-	-	-
		Pool 1142[X]		-	-	Ω	Ω	-	-	-
		Pool 1189[X]		-	-	-	Ω	-	-	-
		Pool 1775[X]		-	-	-	Ω	-	-	-
		Pool 1920[X]		-	-	-	-	-	-	-
		Pool 2642		-	-	Ω	✓	-	-	-
		Otay Lakes - K 5	**85 (5)**	**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 (1)**	**0 (0)**	**0 (0)**	**0 (0)**	**1 (1)**	**0 (0)**	**0 (-)**	**0 (-)**
		Pool 1545		Ω	-	-	✓	-	-	-
		Robinhood Ridge J 4-5	**83 (5)**	**19 (3)**	**0 (0)**	**4 (4)**	**46 (5)**	**0 (0)**	**6 (-)**	**41 (-)**
		Pool 1580		-	-	Ω	✓	-	-	-
		Pool 1598		-	-	Ω	✓	-	-	-
		Pool 1668		✓	-	✓	✓	-	-	-

Mgmt. Level	Planning Unit[1]	Vernal Pool Complex Name - Complex Series Vernal Pool ID[2]	Total Number of Conserved Pools within Complex[3] (Sample Size)[4]	Total Number of Conserved Pools Occupied by Focal Species (Pools Occupied by Focal Species in Sample Size)[3,4] ✓ = Presence of Focal Species[5] at Baseline[6] Ω = Presence of Focal Species Detected at Acclimated Baseline						
				PONU	POAB	NAFO	ERAR	ORCA	RFS[7]	SDFS[7]
		Pool 1684		✓	-	-	✓	-	-	-
		Pool 1710		✓	-	✓	✓	-	-	-
Level 3	South*	**South Otay 1 acre (City) - J 13 N**	**17 (2)**	**0 (0)**	**0 (0)**	**1 (1)**	**1 (1)**	**2 (2)**	**0 (-)**	**0 (-)**
		Pool 1235		-	-	✓	-	✓	-	-
		Pool 2339		-	-	-	✓	**Ω**	-	-

[1] Asterisk (∗) indicates rainfall within planning unit during reporting period is adequate for VPMMP standards assessment (55% of average rainfall) in the respective planning unit.
[2] Double asterisk (∗∗) in vernal pool ID indicates vernal pool is under ownership of Tripoint. Superscripted X (^{X}) indicates vernal pool was impacted by the Caliente Fire in 2019, prior to integration into the program and baseline data collection.
[3] Based on existing management and monitoring levels developed during baseline surveys.
[4] Per VPMMP, sample size 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 species known to occur; **Level 2 and 3:** All pools in complex with covered plant species
[5] Species 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.
[6] Cross (+) indicates a correction to baseline data for focal species presence was made during a prior reporting period.
[7] Fairy shrimp density surveys are conducted when warranted based on qualitative survey observations, as discussed in the VPMMP.

Table 2-4. 2023 Focal Plant and Nonnative Species Cover Classes

Mgmt. Level[1]	Planning Unit[2]	Vernal Pool Complex Name - Complex Series Vernal Pool ID	Average Focal Plant Species Cover Classes					Average Nonnative Species Cover Class[3]
			PONU	POAB	NAFO	ERAR	ORCA	
Cover classes are adapted from California Native Plant Society plant cover methodology and are defined as a range of estimated percentage of plant cover. The cover classes are as follows: 1 = 1-10%, 2 = >10–25%, 3 = >25–50%, 4 = >50%								
Level 1	North	**Carroll Canyon/Parkdale Carroll Canyon - D 5-8**						
		Pool 1077	0	2	1	2	0	1
		Pool 1092	0	1	1	1	0	1
		Pool 1096	0	1	0	2	0	1
		Pool 1109	0	1	0	2	0	1
		Pool 1740	0	1	0	4	0	1
		Pool 1743	0	0	0	3	0	2
		Pool 1746	0	1	0	2	0	1
		Del Mar Mesa (City) - H 1-10, 13-15, 18-26						
		Pool 1255	0	0	0	3	0	1
		Pool 1260	0	1	0	3	0	1
		Pool 1264	0	0	0	3	0	1
		Pool 1272	0	0	0	3	0	1
		Pool 1842	0	3	0	1	0	1
		Pool 2468	0	0	0	1	0	1
		Greystone Torrey Highlands - H 39						
		Pool 1177	0	3	0	2	0	2
		Lopez Ridge (City) - B 7-8						
		Pool 706	0	2	0	0	0	1
		Pool 712	0	1	0	0	0	1
	Central	**Montgomery Field - N 5-6**						
		Pool 4256	0	1	0	0	0	1
		Pool 4596	0	1	0	0	0	1
		Pool 5352	0	1	0	0	0	1
		Pool 5355	0	1	0	0	0	1
		Pool 5356	0	1	0	0	0	2
		Pool 5358	0	2	0	0	0	1
		Pool 5363	0	1	0	0	0	1
		Pool 5369	0	1	0	0	0	1
		Pool 5371	0	2	0	0	0	3
		Pool 5388	0	1	0	0	0	2
		Pool 5423	0	1	0	0	0	1
		Pool 6351	0	1	0	0	0	1
		Pool 6384	0	2	0	0	0	1

Mgmt. Level[1]	Planning Unit[2]	Vernal Pool Complex Name - Complex Series Vernal Pool ID	Average Focal Plant Species Cover Classes					Average Nonnative Species Cover Class[3]
			PONU	POAB	NAFO	ERAR	ORCA	
	South*	**Cal Terraces (North) (City), Otay Mesa Road Parcels - J 2**						
		Pool 42**	0	0	1	2	0	1
		Pool 51**	1	0	0	1	0	4
		Pool 67	1	0	0	1	0	3
		Pool 78	1	0	0	2	0	1
		Pool 89	1	0	0	2	0	3
		Pool 96	0	0	0	3	0	1
		Pool 100	0	0	1	3	0	1
		Pool 295	0	0	0	1	0	1
		Pool 301	3	0	0	1	0	1
		Pool 445	3	0	1	1	1	1
		Pool 447	0	0	0	2	0	1
		Pool 449	1	0	0	2	0	3
		Pool 450	1	0	0	3	0	1
		Pool 451	1	0	0	1	0	2
		Pool 452	1	0	0	1	0	1
		Pool 459	0	0	0	1	0	1
		Pool 464	1	0	0	1	0	2
		Pool 471	1	0	1	1	0	1
		Pool 473	2	0	0	1	0	1
		Pool 483	0	0	0	1	1	1
		Pool 484	1	0	0	1	0	1
		Pool 490	1	0	0	1	1	1
		Pool 502	1	0	1	1	0	1
		Pool 509	1	0	1	1	3	1
		Pool 591	1	0	0	3	2	1
		Pool 1310	2	0	1	1	1	1
		Pool 1321	4	0	0	1	0	1
		Pool 1713	1	0	0	2	0	1
		Pool 1724	0	0	0	1	0	2
		Cal Terraces (South) - J 14						
		Pool 2022	0	0	0	3	0	2
		Pool 2025	1	0	0	1	0	3
		Pool 2039	4	0	1	2	0	1
		Pool 2043	0	0	0	1	0	1
		Pool 2044	1	0	1	2	0	1
		Pool 2185	4	0	0	2	0	1
		Pool 2189	2	0	1	1	0	1

Mgmt. Level[1]	Planning Unit[2]	Vernal Pool Complex Name - Complex Series Vernal Pool ID	Average Focal Plant Species Cover Classes					Average Nonnative Species Cover Class[3]
			PONU	POAB	NAFO	ERAR	ORCA	
		Nobel Drive - X 5						
		Pool 666	0	0	1	0	0	2
		Clayton Parcel - J 2						
		Pool 876	2	0	0	0	0	1
		Goat Mesa (City) - J 16-18						
		Pool 1141	0	0	1	1	0	3
		Pool 1142	0	0	1	1	0	2
		Pool 1189	0	0	0	1	0	1
		Pool 1775	0	0	0	1	0	2
		Pool 1920	0	0	0	0	0	1
		Pool 2642	0	0	1	4	0	1
		Otay Lakes - K 5						
		Pool 208	0	0	0	1	0	4
		Pool 656	0	0	0	1	0	2
		Pool 891	0	0	0	2	0	2
		Pool 892	0	0	0	1	0	3
		Pool 1801	0	0	0	1	0	2
		West Otay C J 32						
		Pool 1545	2	0	0	1	0	1
		Robinhood Ridge J 4-5						
		Pool 1580	0	0	1	1	0	4
		Pool 1598	0	0	0	2	0	2
		Pool 1668	1	0	1	3	0	2
		Pool 1684	0	0	0	4	0	1
		Pool 1710	0	0	0	2	0	1
Level 3	South*	**South Otay 1 acre (City) - J 13 N**						
		Pool 1235	0	0	1	0	1	2
		Pool 2339	0	0	0	1	1	2

[1] Level 3 vernal pool complexes are in Year 3 of the 5-year minimum period required prior to VPMMP standards assessment; double asterisk (∗∗) in vernal pool ID indicates vernal pool is under ownership of Tripoint.

[2] Asterisk (∗) indicates rainfall within planning unit during reporting period is adequate for VPMMP standards assessment (55% of average rainfall). This 2023 Annual Report analyzes data from the following years for each respective management unit: North and Central = 2020, 2022, and 2023; South = 2021, 2022, and 2023.

Table 2-5. Average Change in Focal Plant and Nonnative Species Cover Classes and Fairy Shrimp Density from Baseline

Mgmt. Level[1]	Planning Unit[2]	Vernal Pool Complex Name - Complex Series Vernal Pool ID	Average Focal Plant Species Cover Classes					Average Fairy Shrimp Density[3]		Average Nonnative Species Cover Class[3]	Vernal Pool Maximum Depth[4,5]
			PONU	POAB	NAFO	ERAR	ORCA	RFS	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 = 1–10%, 2 = >10–25%, 3 = >25–50%, 4 = >50%. **Color coding:** Color scale indicates the following: Blue cells = increase in cover class, White cells = no change in cover class, and Red cells = decrease in cover class; color coding is reversed for nonnative cover classes (e.g., an increase is nonnative cover is denoted by a red cell). **Key to Symbology**: dash (**-**) = focal species not detected during baseline; forward slash (**/**) = vernal pool resource not evaluated.										
Level 1	North	**Carroll Canyon/Parkdale Carroll Canyon - D 5-8**									
		Pool 1077	0.0	0.3	-0.3	1.0	0.0	/	/	0.0	/
		Pool 1092	0.0	0.3	0.7	0.3	0.0	/	/	0.0	/
		Pool 1096	0.0	0.7	0.0	1.0	0.0	/	/	0.0	/
		Pool 1109	0.0	0.3	0.0	0.3	0.0	/	/	0.0	/
		Pool 1740	0.0	1.0	0.0	1.0	0.0	/	/	0.0	/
		Pool 1743	0.0	0.0	0.0	0.7	0.0	/	/	0.3	/
		Pool 1746	0.0	0.0	0.0	1.7	0.0	/	/	0.0	/
		Del Mar Mesa (City) - H 1-10, 13-15, 18-26									
		Pool 1255	0.0	0.0	0.0	0.7	0.0	/	/	0.0	/
		Pool 1260	0.0	1.0	0.3	-0.7	0.0	/	/	0.0	/
		Pool 1264	0.0	0.0	0.0	0.3	0.0	/	/	0.0	/
		Pool 1272	0.0	0.0	0.0	1.7	0.0	/	/	0.0	/
		Pool 1842	0.0	1.0	0.0	1.0	0.0	/	/	0.0	/
		Pool 2468	0.0	0.0	0.0	0.0	0.0	/	/	0.7	/
		Greystone Torrey Highlands - H 39									
		Pool 1177	0.0	1.7	0.0	0.7	0.0	/	/	1.0	/
		Lopez Ridge (City) - B 7-8									
		Pool 706	0.0	0.7	0.0	-1.0	0.0	/	/	0.0	/
		Pool 712	0.0	0.7	0.0	0.0	0.0	/	/	0.0	/
	Central	**Montgomery Field - N 5-6**									
		Pool 4256	0.0	0.0	0.0	0.0	0.0	/	/	0.3	/
		Pool 4596	0.0	0.3	0.0	0.0	0.0	/	/	-1.0	/
		Pool 5352	0.0	0.0	0.0	0.0	0.0	/	/	-1.0	/
		Pool 5355	0.0	-0.3	0.0	0.0	0.0	/	/	-1.0	/
		Pool 5356	0.0	0.3	0.0	0.0	0.0	/	/	-2.3	/

Mgmt. Level[1]	Planning Unit[2]	Vernal Pool Complex Name - Complex Series Vernal Pool ID	Average Focal Plant Species Cover Classes					Average Fairy Shrimp Density[3]		Average Nonnative Species Cover Class[3]	Vernal Pool Maximum Depth[4,5]
			PONU	POAB	NAFO	ERAR	ORCA	RFS	SDFS		
		Pool 5358	0.0	-1.3	0.0	0.0	0.0	/	/	-2.0	/
		Pool 5363	0.0	-2.0	0.0	0.0	0.0	/	/	-1.7	/
		Pool 5369	0.0	-2.0	0.0	0.0	0.0	/	/	-2.0	/
		Pool 5371	0.0	-0.7	0.0	0.0	0.0	/	/	-1.7	/
		Pool 5388	0.0	0.0	0.0	0.0	0.0	/	/	-1.7	/
		Pool 5423	0.0	0.0	0.0	0.0	0.0	/	/	-2.0	/
		Pool 6351	0.0	0.0	0.0	0.0	0.0	/	/	0.0	/
		Pool 6384	0.0	0.0	0.0	0.0	0.0	/	/	-2.0	/
	South*	**Cal Terraces (North) (City), Otay Mesa Road Parcels - J 2**									
		Pool 42**	-3.0	0.0	-0.7	-2.3	0.0	/	/	0.0	/
		Pool 51**	-2.0	0.0	-0.3	-2.0	-1.0	/	/	1.3	/
		Pool 67	-3.0	0.0	0.0	0.0	0.0	/	/	0.3	/
		Pool 78	-0.7	0.0	0.0	-1.0	-1.0	/	/	0.7	/
		Pool 89	-2.7	0.0	0.0	-0.7	0.0	/	/	0.3	/
		Pool 96	-1.0	0.0	-1.0	-1.0	0.0	/	/	0.0	/
		Pool 100	-1.7	0.0	-0.7	-1.0	0.0	/	/	0.3	/
		Pool 295	-2.0	0.0	0.0	-1.3	0.0	/	/	0.3	/
		Pool 301	-0.7	0.0	0.0	-3.0	0.0	/	/	0.0	/
		Pool 445	-0.7	0.0	0.7	-2.7	0.3	/	/	0.0	/
		Pool 447	-2.0	0.0	-0.7	-2.3	0.0	/	/	0.0	/
		Pool 449	-2.0	0.0	0.0	-1.7	0.0	/	/	0.7	/
		Pool 450	-2.0	0.0	0.0	0.0	0.0	/	/	0.0	/
		Pool 451	-0.3	0.0	0.0	-1.0	0.0	/	/	-0.7	/
		Pool 452	-1.0	0.0	0.0	-2.7	0.0	/	/	0.0	/
		Pool 459	-1.3	0.0	-1.0	-2.0	0.0	/	/	0.0	/
		Pool 464	-1.0	0.0	0.0	-1.0	0.0	/	/	-1.7	/
		Pool 471	-2.0	0.0	-0.3	-1.7	-1.0	/	/	0.3	/
		Pool 473	0.0	0.0	-2.0	-1.7	0.0	/	/	1.0	/
		Pool 483	-2.0	0.0	0.0	-2.0	-0.7	/	/	0.0	/
		Pool 484	-1.0	0.0	0.0	-0.3	-1.0	/	/	0.0	/
		Pool 490	-1.0	0.0	-1.0	-1.0	-1.7	/	/	0.0	/
		Pool 502	-1.0	0.0	0.0	-1.0	-1.0	/	/	0.0	/

Mgmt. Level[1]	Planning Unit[2]	Vernal Pool Complex Name - Complex Series Vernal Pool ID	Average Focal Plant Species Cover Classes					Average Fairy Shrimp Density[3]		Average Nonnative Species Cover Class[3]	Vernal Pool Maximum Depth[4,5]
			PONU	POAB	NAFO	ERAR	ORCA	RFS	SDFS		
		Pool 509	-1.0	0.0	-0.3	-2.0	0.0	/	/	0.0	/
		Pool 591	0.0	0.0	0.0	-0.7	-2.3	/	/	0.3	/
		Pool 1310	-0.3	0.0	-0.7	-0.3	-0.7	/	/	0.0	/
		Pool 1321	2.0	0.0	0.0	0.0	0.0	/	/	-0.7	/
		Pool 1713	0.0	0.0	0.0	1.3	0.0	/	/	0.0	/
		Pool 1724	-1.0	0.0	0.0	-1.0	0.0	/	/	0.3	/
		Cal Terraces (South) - J 14									
		Pool 2022	-1.0	0.0	0.0	1.3	0.3	/	/	0.7	/
		Pool 2025	0.3	0.0	-1.0	0.0	0.0	/	/	0.7	/
		Pool 2039	2.0	0.0	0.7	-0.3	0.0	/	/	0.0	/
		Pool 2043	-0.7	0.0	0.3	0.0	0.0	/	/	0.0	/
		Pool 2044	0.0	0.0	0.3	-0.7	0.0	/	/	0.0	/
		Pool 2185	-0.3	0.0	0.0	1.0	0.0	/	/	0.0	/
		Pool 2189	0.3	0.0	0.7	0.0	0.0	/	/	0.7	/
		Nobel Drive - X 5									
		Pool 666	0.0	0.0	0.3	0.0	0.0	/	/	0.3	/
		Clayton Parcel - J 2									
		Pool 876	1.3	0.0	0.0	-0.3	0.0	/	/	-0.3	/
		Goat Mesa (City) - J 16-18									
		Pool 1141	0.0	0.0	0.3	0.0	0.0	/	/	0.7	/
		Pool 1142	0.0	0.0	0.3	1.0	0.0	/	/	0.7	/
		Pool 1189	0.0	0.0	0.0	1.0	0.0	/	/	0.0	/
		Pool 1775	0.0	0.0	0.0	1.0	0.0	/	/	0.3	/
		Pool 1920	0.0	0.0	0.0	0.0	0.0	/	/	0.0	/
		Pool 2642	0.0	0.0	0.3	1.7	0.0	/	/	-0.7	/
		Otay Lakes - K 5									
		Pool 208	0.0	0.0	0.0	0.0	0.0	/	/	0.7	/
		Pool 656	0.0	0.0	0.0	0.0	0.0	/	/	-0.7	/
		Pool 891	0.0	0.0	0.0	-0.7	0.0	/	/	0.3	/
		Pool 892	0.0	0.0	-1.0	0.0	0.0	/	/	0.3	/
		Pool 1801	0.0	0.0	0.0	0.0	0.0	/	/	0.0	/

Mgmt. Level[1]	Planning Unit[2]	Vernal Pool Complex Name - Complex Series Vernal Pool ID	Average Focal Plant Species Cover Classes					Average Fairy Shrimp Density[3]		Average Nonnative Species Cover Class[3]	Vernal Pool Maximum Depth[4,5]
			PONU	POAB	NAFO	ERAR	ORCA	RFS	SDFS		
		West Otay C J 32									
		Pool 1545	1.3	0.0	0.0	0.0	0.0	/	/	0.3	/
		Robinhood Ridge J 4-5									
		Pool 1580	0.0	0.0	0.3	0.0	0.0	/	/	1.3	/
		Pool 1598	0.0	0.0	0.0	-0.7	0.0	/	/	0.3	/
		Pool 1668	0.0	0.0	-0.7	-0.7	0.0	/	/	0.7	/
		Pool 1684	-1.0	0.0	0.0	1.0	0.0	/	/	0.0	/
		Pool 1710	-1.0	0.0	-1.0	-1.7	0.0	/	/	0.3	/
Level 3	South*	**South Otay 1 acre (City) - J 13 N**									
		Pool 1235	0.0	0.0	-0.7	0.0	-0.7	/	/	-1.0	/
		Pool 2339	0.0	0.0	0.0	0.0	0.3	/	/	-0.7	/

[1] Level 3 vernal pool complexes are in Year 3 of the 5-year minimum period required prior to VPMMP standards assessment; double asterisk (∗∗) in vernal pool ID indicates vernal pool is under ownership of Tripoint.

[2] Asterisk (∗) indicates rainfall within planning unit during reporting period is adequate for VPMMP standards assessment (55% of average rainfall). This Annual Report analyzes data from the following years for each respective management unit: North and Central = 2020, 2022, and 2023; South = 2021, 2022, and 2023.

[3]Nonnative cover was not recorded during baseline studies; therefore, nonnative cover observed during the first year or VPHCP monitoring (2018) is considered "baseline conditions," per guidance in the VPMMP.

[4] Fairy shrimp density surveys and topographic disturbance assessments are conducted when warranted based on qualitative survey observations, as discussed in the VPMMP.

[5] Baseline hydrologic surveys have not been conducted as of this monitoring period. When baseline is established, maximum depth of ponding will be measured and evaluated.

A management level change analysis is conducted in this 2023 Annual Report for planning units that received adequate rainfall (i.e., at least 55% of the historic average as defined in the VPHCP) during at least three of the last five rainfall years. Yearly rainfall measured from July through June was 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. In 2023, yearly rainfall measurements were within at least 55% of the average rainfall benchmark throughout the north, central, and south planning units; Brown Field weather station recorded approximately 16.6 inches of rainfall in 2023, compared to the historic average of 9.6 inches; and Montgomery Field weather station recorded approximately 16.6 inches of rainfall in 2023, compared to the historic average of 11.4 inches.

The north and central planning units received adequate rainfall during four of the last five years following the adoption of the VPHCP and therefore qualify for a management level change analysis across the three most recent qualifying years of 2020, 2022, and 2023. The south planning unit received adequate rainfall during all of the last five years following the adoption of the VPHCP and therefore qualifies for a management level change analysis across the three most recent years of 2021 through 2023. A running annual rainfall total is detailed in Table 2-6.

Based on the data available for analysis in 2023, two vernal pool complexes may be subject to a management level change from Level 1 to Level 2. However, due to constraints in resources, the City intends to discuss a modified approach to the Level 2 management and monitoring requirements outlined in the current VPMMP. Therefore, the City proposes deferring management level changes, as determined by the 2023 reporting period data, until a mutual agreement can be met between the City and Wildlife Agencies.

Based on 2023 data, the following Level 1 vernal pool complex would have been subject to a management level change of A- (Level 1 to Level 2) based on change in focal species cover: Cal Terraces (North). The following Level 1 vernal pool complex would have been subject to a management level change of A- (Level 1 to Level 2) based on change in combined nonnative species cover: Greystone Torrey Highlands. A summary of management level changes is detailed in Table 2-7.

Quantitative topographic disturbance assessments (referenced in Table 2-5) were not conducted during the 2023 monitoring period due to the absence of baseline hydrologic data and are discussed in further detail in Section 2.1.3 of this 2023 Annual Report. 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 and privately owned vernal pool basins subject to the VPHCP management and monitoring criteria, regardless of management level. Baseline hydrologic data will 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). The City is currently working with the Wildlife Agencies to gain concurrence on the approach to implementing baseline hydrologic surveys for City-owned vernal pool basins. Baseline hydrologic surveys are anticipated to be conducted by the end of 2024 to satisfy this requirement.

Table 2-6. 2019–2023 Annual Rainfall Totals

Planning Unit	Weather Station	Mean Rainfall (30 Years)[1]	55% of Normal Rainfall[1]	Total Rainfall by Year[1,2]				
				2019	2020	2021	2022	2023
North	Montgomery Field	11.40	6.30	13.50	12.88	5.93	6.88	16.57
Central								
South	Brown Field	9.60	5.30	12.07	17.54	6.03	9.68	16.60

Source: National Oceanic and Atmospheric Administration (NOAA) Climate Data Online (NOAA 2019–2023).
[1] Rainfall data is presented in inches for the appropriate region for the period of July through June, per the Hydrogeomorphic Model approach.
[2] Red cells indicate yearly totals did not meet 55% of normal rainfall.

Table 2-7. Proposed Management Level Change

Planning Unit[1]	Vernal Pool Complex Name - Complex Series	Proposed Management Level Change[2]	Average Change in Plant Species Cover Classes					Fairy Shrimp Density[3]		Average Nonnative Species Cover Class (2020–2022)[4]	Change in Hydrologic Function[5]
			PONU	POAB	NAFO	ERAR	ORCA	RFS	SDFS		
North*	Carroll Canyon	NC	0.0	0.4	0.0	0.9	0.0	/	/	0.0	/
	Del Mar Mesa (City)	NC	0.0	0.3	0.1	0.5	0.0	/	/	(0.1)	/
	Greystone Torrey Highlands	NC[2]	0.0	1.7	0.0	0.7	0.0	/	/	0.0	/
	Lopez Ridge (City)	NC	0.0	0.7	0.0	(0.5)	0.0	/	/	(0.3)	/
Central*	Montgomery Field	NC	0.0	(0.4)	0.0	0.0	0.0	/	/	(0.9)	/
South*	Cal Terraces (North), Otay Mesa Road Parcels	NC[2]	(1.2)	0.0	(0.3)	(1.2)	(0.3)	/	/	0.1	/
	Cal Terraces (South)	NC	0.1	0.0	0.1	0.2	0.0	/	/	0.1	/
	Nobel Drive	NC	0.0	0.0	0.3	0.0	0.0	/	/	(1.7)	/
	Clayton Parcel	NC	1.3	0.0	0.0	(0.3)	0.0	/	/	0.7	/
	Goat Mesa	NC	0.0	0.0	0.2	0.8	0.0	/	/	(0.0)	/
	Otay Lakes	NC	0.0	0.0	(0.2)	(0.1)	0.0	/	/	(1.9)	/
	West Otay C	NC	1.3	0.0	0.0	0.0	0.0	/	/	0.7	/
	Robinhood Ridge	NC	(0.4)	0.0	(0.3)	(0.4)	0.0	/	/	0.5	/
	South Otay 1 acre (City)	NA[2]	0.0	0.0	(0.3)	0.0	(0.2)	/	/	0.2	/

Key to Management Change: **NC** = No Change; **NA** = Not Applicable
Key to Symbology: dash (**-**) = Focal species not detected during baseline; forward slash (*/*) = vernal pool resource not evaluated; parentheses [**()**] = decline in cover class; blue and red shading = indicates change in average focal species or nonnative species cover class meets VPMMP threshold(s) to trigger a management level change.
[1] Asterisk (∗) indicates rainfall within planning unit during reporting period is adequate (55% of average rainfall) for VPMMP standards assessment of focal species; triggers associated with change in cover of nonnative species are applicable regardless of rainfall.
[2] Management level triggers are applicable only to Level 1 and Level 2 vernal pool complexes. Level 3 vernal pool complexes will be analyzed for management level triggers when a minimum of 5 years of management activities are fulfilled, per the VPMMP. Due to the timing of this report, no management level changes are proposed for the following vernal pool complexes: Greystone Torrey Highlands and Cal Terraces (North), Otay Mesa Road Parcels.
[3] Fairy shrimp density surveys and topographic disturbance assessments are conducted when warranted based on qualitative survey observations, as discussed in the VPMMP.
[4] Nonnative species triggers apply regardless of adequate rainfall and are assessed by comparing the most recent 3-year average cover to baseline cover adopted during 2018 vernal pool monitoring; management triggers A-, B-, and C- apply to complexes with greater than 10% total nonnative cover.
[5] Baseline hydrologic surveys have not been conducted as of this monitoring period. When baseline is established, maximum depth of ponding will be measured and evaluated.

2.2 Private Property Management and Monitoring

As discussed in Section 1.4 of this 2023 Annual Report, the City's responsibilities under the VPHCP include enforcement of management and monitoring of vernal pool complexes located within private property, consistent with the VPHCP. During FY 2023, projects occurring on private property within VPHCP jurisdiction did not require long-term management and monitoring; rather, private projects were still in the implementation stage of mitigation programs. Private property management and monitoring activities for projects predating VPHCP implementation are outlined within site-specific plans. Appendix E details site-specific activities outlined within the associated plans, including requirements for maintenance, monitoring, success criteria, and reporting. Project-specific associated plans include further details regarding maintenance and monitoring requirements for each privately owned vernal pool complex. In reporting year 2023, the City requested private project mitigation management and monitoring report updates be provided to the City for inclusion in VPHCP annual reporting. Report submittals for FY 2023 and future reporting periods would be made available upon request to the City Planning Department at biodiversesd@sandiego.gov.

Take Summary

A yearly running total of authorized take associated with covered projects and covered activities is summarized in Table 2-8, which details the impacts to vernal pool habitat (including number of basins and total acreage), impacts to covered species, and associated mitigation activities. During the reporting period, no incidental take was reported.

Table 2-8. 2019–2023 Take Summary

Year	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
2019	-	-	-	-	-	-							
2020	*Rhodes Crossings*												
	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									
2021	-	-	-	-	-	-							
2022	-	-	-	-	-	-							
2023	-	-	-	-	-	-							
TOTAL ACREAGE:					**0.042**	**0.196**	**0**	**0**	**0**	**0**	**0**	**0**	**7 basins**
TOTAL NUMBER OF IMACPTED BASINS:					**8**								

[1] Mitigation type is informed by associated site-specific mitigation plan. Abbreviations are defined as follows: CR = Vernal Pool Creation; EN = Enhancement; RE = Restoration.

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

3 VPHCP Funding

3.1 Spend During Reporting Period and Future Funding Sources

Fiscal year spending for VPHCP management and monitoring activities coinciding with this reporting period is detailed in Table 3-1. Table 3-2 identifies funding sources for Year 6 (2024) of VPHCP implementation. Funds for implementing the VPHCP program for Department of Parks and Recreation and City Planning Departments come from the General Fund, while the City Department of Real Estate and Airport Management and Public Utilities Department use Enterprise Funds.

Table 3-1. Spend in Current Fiscal Year (2023)

City Department[1]	Estimated Expenditure[2]	
	City Staff	Contractor
PUD	$14,736	$241,087*
P&R	$171,634	$295,255**
DREAM	$7,802	$11,701
Planning	$26,294	NA
Total Estimated City-Wide Expenditures		

[1]City department acronyms defined as follows: PUD = Public Utilities Department, P&R = Parks and Recreation, DREAM = Department of Real Estate and Airport Management
[2]Additional details pertaining to specific expenditures: asterisk (*) = Total expenditure, includes costs for SANDER Mitigation Site Management; double asterisk (**) = Total expenditure includes grant funding.
Key to acronyms used: NA = Not Applicable

Table 3-2. Funding Sources for Fiscal Year 2024

City Department[1]	Funding Source[2]	Estimated Expenditure[3]	
		City Staff	Contractor
PUD	EF	$28,000	$226,000*
P&R	GF	$225,000	$295,000**
DREAM	GF	$10,000	$15,000
Planning	GF, GPMF	$38,000	NA
Total Estimated City-Wide Expenditures			

[1]City department acronyms defined as follows: PUD = Public Utilities Department, P&R = Parks and Recreation, DREAM = Department of Real Estate and Airport Management.
[2]Funding acronyms defined as follows: EF = Enterprise Funds, GF = General Fund, GPMF = General Plan Maintenance Fund
[3]Additional details pertaining to specific expenditures: asterisk (*) = Total expenditure, includes costs for SANDER Mitigation Site Management; double asterisk (**) = Total expenditure includes grant funding.
Key to acronyms used: NA = Not Applicable

The VPHCP identified funding for the vernal pool complexes known to the City at the time of VPHCP development. During 2023 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 and future instances under the VPHCP and will continue to coordinate with the Wildlife Agencies to determine appropriate timelines to accept and adopt new basins and complexes.

4 Progress Toward VPHCP Conservation Objectives

The biological goal of the VPHCP is to contribute to the recovery of the VPHCP covered species and ensure continued persistence of the covered vernal pool species populations identified in the VPHCP. Through the implementation of the VPHCP conservation strategy, the City has made progress toward both habitat-based and species-specific objectives that are consistent with the Recovery Plan. Progress toward these objectives throughout the first 5 years of VPHCP implementation is detailed below in Tables 4-1 and 4-2.

Table 4-1. VPHCP Habitat-Based Conservation Objectives

Vernal Pools Objectives (Habitat Based)		
Conserve	**Manage[1]**	**Restore[2]**
Conserve in perpetuity at least 2,473 vernal pools (totaling approximately 38.3 acres of basin surface area) at 73 vernal pool sites (within 54 vernal pool complexes) in the MHPA in a configuration that maintains long-term viability of the VPHCP covered species.	Manage in perpetuity 62 vernal pool sites within the MHPA through implementation of the VPHCP Vernal Pool Management and Monitoring Plan or Site-Specific Management Plans (that are consistent with the VPHCP goals and objectives).	Restore 19 vernal pool sites (within 12 complexes) to a "Level 1" (stewardship) management condition within the MHPA through implementation of the VPHCP Management and Monitoring Plan or Site-Specific Management Plans (that are consistent with the VPHCP goals and objectives).
Progress toward Objectives		
All 2,473 vernal pools (totaling approximately 38.3 acres of basin surface area) at 73 vernal pool sites (within 54 vernal pool complexes) remain conserved. Vernal Pool Resources Acquired • Attisha Trust • Kearny Mesa Logistics Vernal Pool Resources Newly-Discovered • See "Tan" colored complexes in Appendix A.	• All 39 city-owned vernal pool sites are managed (monitoring and/or management activities conducted if warranted) annually per the VPMMP. • Management logs for each fiscal year are included in the appendix of the corresponding VPHCP annual report. • The City is working with land owners of privately-owned vernal pool sites to ensure consistency with the VPHCP.	City-Owned Vernal Pool Resources Restored: • Robinhood Ridge (J4-5) (Level 2 to Level1) • Clayton Phase 1 • West Otay B • Carmel Mountain
Status[3]		
Meeting	In Progress	In Progress

[1]In addition to conservation, includes active management of sites at Level 1, as well as sites at Levels 2 and 3. There are 11 conserved vernal pool sites included in the conservation totals (and identified in Appendix E of the HCP and Appendix A of the VPMMP) that will not be actively managed under the VPMMP. As funding becomes available, the City may work with the owner of three of the unmanaged sites (Fieldstone, Arjons, and Empire Center) to implement the additional recommended management.

[2]Restoration shall occur at specific vernal pool complexes to establish populations of covered species, consistent with the Recovery Plan (USFWS 1998). Restored populations shall also be conserved and managed consistent the VPHCP objectives listed in this table.

[3]Key to icons: Text bubble = progress toward meeting objective is in progress; Check mark = City is meeting objective.

In addition to the restoration projects included in the tables above, the City is in various phases (e.g., planning, implementation) for various restoration projects that will contribute to progress toward the VPHCP objectives. Projects that are in the planning phase or are planned for upcoming implementation include Clayton Phase II, J-13 South Restoration Project, and the Brown Field Restoration Project. The City also continues to evaluate existing vernal pool complexes to ensure that newly discovered resources (i.e., vernal pool basis and covered species) are tracked. As discussed in section 1.6.1 of this 2023 Annual Report, the City is working on updating management sheets for existing vernal pool complexes; these resources updates are included in Appendix A.

As feasible, the City is also seeking grant funding to restore vernal pool resources. In 2020, the City was awarded a $394,000.00 grant to restore the Robinhood Ridge and Goat Mesa complexes; these projects are anticipated to be complete in 2024 and 2025, respectively. Robinhood Ridge was successfully restored to management level 1 in FY 2022, largely due to the additional resources funded by the grant. The City continues to evaluate opportunities for additional acquisitions that would contribute to the VPHCP objective; the following properties are potential acquisitions for the City that would come under conservation through the VPHCP: Caltrans Dennery Canyon Vernal Pools, Lonestar, Zamudio, West Otay A (Caltrans), and SDCWA FRS 2. Overall, the City has made significant progress toward achieving the VPHCP conservation objectives and will continue to pursue these goals.

Table 4-2. VPHCP Species-Specific Conservation Objectives

	Otay Mesa mint			San Diego Mesa mint			California Orcutt grass			Riverside fairy shrimp		
	Species-Specific Objectives	Progress Toward Objectives	Status[3]	Species-Specific Objectives	Progress Toward Objectives	Status[3]	Species-Specific Objectives	Progress Toward Objectives	Status[3]	Species-Specific Objectives	Progress Toward Objectives	Status[3]
Manage[1]	Conserve 370 vernal pools occupied by Otay Mesa mint within five sites.	<u>Conservation Retention</u> • Occupied vernal pools remain conserved under the VPHCP. • Occupied sites remain conserved under the VPHCP. <u>Conservation Gains</u> •One occupied site (Topsail) gained with species in two vernal pools. • 17 occupied vernal pools gained within CalTerraces North. • See restoration summary below.	Meeting	Conserve 335 vernal pools occupied by San Diego mesa mint within 19 sites.	<u>Conservation Retention</u> • Occupied vernal pools remain conserved under the VPHCP. • Occupied sites remain conserved under the VPHCP. <u>Conservation Gains</u> • One occupied site (Kearny Mesa Logistics) gained with species in one vernal pool. • 16 occupied vernal pools gained within Carmel Mountain. • 20 occupied vernal pools gained within Greystone Torrey Highlands.	Meeting	Conserve 58 vernal pools occupied by California Orcutt grass within three sites.	<u>Conservation Retention</u> • Occupied vernal pools remain conserved under the VPHCP. • Occupied sites remain conserved under the VPHCP. <u>Conservation Gains</u> • 1 occupied vernal pool gained within CalTerraces North. • See restoration summary below.	Meeting	Conserve 131 vernal pools occupied by Riverside fairy shrimp within seven sites.	<u>Conservation Retention</u> • 120 vernal pools with target species retained • All 4 sites with target species retained <u>Conservation Gains</u> • See restoration summary below.	Meeting
Conserve[2]	Manage all conserved complexes/sites identified in Appendix A consistent with this VPMMP.	• All occupied City-owned vernal pool sites are managed (monitoring and/or management activities conducted if warranted) annually. • The City is working with land owners of privately-owned occupied vernal pool sites to ensure consistency with the VPHCP.	In Progress	Manage 12 sites as identified in Appendix A consistent with this VPMMP.	• All occupied City-owned vernal pool sites are managed (monitoring and/or management activities conducted if warranted) annually. • The City is working with land owners of privately-owned occupied vernal pool sites to discuss the importance of vernal pool resources on their respective properties and the possibility to convey the properties to the City as funding and staff resources are identified and become available.	In Progress	Manage all conserved complexes/sites identified in Appendix A consistent with this VPMMP.	• All occupied and conserved sites are City-owned and are managed (monitoring and/or management activities conducted if warranted) annually.	Meeting	Manage all conserved complexes/sites identified in Appendix A consistent with this VPMMP.	• All occupied City-owned vernal pool sites are managed (monitoring and/or management activities conducted if warranted) annually. • The City is working with land owners of privately-owned occupied vernal pool sites to discuss the importance of vernal pool resources on their respective properties and the possibility to convey the properties to the City as funding and staff resources are identified and become available.	In Progress
Restore	Establish viable populations of Otay Mesa mint within the J13, J16–18, J20–21, J27, and J28 complex series.	Populations of Otay Mesa Mint have been established at the following sites and number of pools (2019–2023): • Clayton Phase I (J2): 23 pools	In Progress	Restoration is not necessary for this covered species as the populations of this species are adequately conserved under the VPHCP.	NA	NA	Establish viable populations of California Orcutt grass within J11, J12, J13, J14, J16-18, J20–21, J21, J27, and J28E.	Populations of California Orcutt grass have been established at the following sites (2019–2023): • Clayton Phase I (J2): four pools	In Progress	Establish viable populations of Riverside fairy shrimp within J11, J12, J13, J14, J16-18, J20–21, J21, J27, and J28E.	Populations of Riverside fairy shrimp have been established at the following sites (2019–2023): • Clayton Phase I (J2): 11 pools	In Progress

	Spreading navarretia		
	Species-Specific Objectives	Progress Toward Objectives	Status[3]
Manage[1]	Conserve 94 vernal pools occupied by spreading navarretia within seven sites.	Conservation Retention • Occupied vernal pools remain conserved under the VPHCP. • Occupied sites remain conserved under the VPHCP. Conservation Gains • 4 occupied vernal pools gained within CalTerraces North.	Meeting
Conserve[2]	Manage all conserved complexes/sites identified in Appendix A consistent with this VPMMP.	• All occupied City-owned vernal pool sites are managed (monitoring and/or management activities conducted if warranted) annually. • The City is working with land owners of privately-owned occupied vernal pool sites to discuss the importance of vernal pool resources on their respective properties and the possibility to convey the properties to the City as funding and staff resources are identified and become available.	In Progress
Restore	Establish viable populations of spreading navarretia within J11, J12, J13, J16–18, J20–21, J27, J28, and R1.	NA	NA

	San Diego button-celery		
	Species-Specific Objectives	Progress Toward Objectives	Status[3]
Manage[1]	Conserve 756 vernal pools occupied by San Diego button-celery within 20 sites.	Conservation Retention • Occupied vernal pools remain conserved under the VPHCP. • Occupied sites remain conserved under the VPHCP. Conservation Gains • One occupied site (Kearny Mesa Logistics) gained with species in two vernal pools. • 25 occupied vernal pools gained within CalTerraces North. • 11 occupied vernal pools gained within Carmel Mountain • 6 occupied vernal pools gained within CalTerraces North. • 14 occupied vernal pools gained within Greystone Torrey Highlands. • 11 occupied vernal pools gained within Seabird Way. • See restoration summary below.	Meeting
Conserve[2]	Manage 22 sites identified in Appendix A consistent with this VPMMP.	• All occupied City-owned vernal pool sites are managed (monitoring and/or management activities conducted if warranted) annually.• The City is working with land owners of privately-owned occupied vernal pool sites to discuss the importance of vernal pool resources on their respective properties and the possibility to convey the properties to the City as funding and staff resources are identified and become available.	In Progress
Restore	Establish a viable population of San Diego button-celery within J13.	Populations of San Diego button-celery have been established at the following sites and number of pools (2019-2023): • Clayton Phase I (J2): 30 pools (supplementing the one existing occupied vernal pool).	In Progress

	San Diego fairy shrimp		
	Species-Specific Objectives	Progress Toward Objectives	Status[3]
Manage[1]	Conserve 465 vernal pools occupied by San Diego fairy shrimp within 38 sites.	Conservation Retention • Occupied vernal pools remain conserved under the VPHCP. • Occupied sites remain conserved under the VPHCP. Conservation Gains • One occupied site (Kearny Mesa Logistics) gained with species in 6 vernal pools. • One occupied site (Attisha Trust) gained with species in 5 vernal pool. • See restoration summary below.	Meeting
Conserve[2]	Manage 33 sites as identified in Appendix A consistent with this VPMMP.	• All occupied City-owned vernal pool sites are managed (monitoring and/or management activities conducted if warranted) annually.• The City is working with land owners of privately-owned occupied vernal pool sites to discuss the importance of vernal pool resources on their respective properties and the possibility to convey the properties to the City as funding and staff resources are identified and become available.	In Progress
Restore	Restoration is not necessary for this covered species as the populations of this species are adequately conserved under the VPHCP.	Populations of San Diego fairy shrimp have been established at the following sites and number of pools (2019–2023): • Clayton Phase I (J2): 27 pools (supplementing the two existing occupied vernal pool).	NA

[1] In addition to conservation, includes active management of sites at Level 1, as well as sites at Levels 2 and 3. There are 11 conserved vernal pool sites included in the conservation totals (and identified in Appendix E of the HCP and Appendix A of the VPMMP) that will not be actively managed under the VPMMP. As funding becomes available, the City may work with the owner of three of the unmanaged sites (Fieldstone, Arjons, and Empire Center) to implement the additional recommended management.
[2] Restoration shall occur at specific vernal pool complexes to establish populations of covered species, consistent with the Recovery Plan (USFWS 1998). Restored populations shall also be conserved and managed consistent the VPHCP objectives listed in this table.
[3] Key to icons: Text bubble = progress toward meeting objective is in progress; Check mark = City is meeting objective; Playbook icon = City is in the planning phase toward meeting objective.

5 References

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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***
	Winterwood (City)	North	0	0	0	0	0	0	0	City	None	None[2]
C 17-18	Fieldstone	North	0	8	0	0	0	0	0	Private	None	None[2]
C 27	Mira Mesa Market Center	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
F 16-17	***MCAS Miramar***	***North***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***Federal***	***N/A***	***N/A***
	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***
H 1-10, 13-15,18-23, 24-26	Del Mar Mesa (City)	North	0	3	0	49	0	0	8	City	Level 1	Level 1
	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 (Caltrans)	***North***	***0***	***0***	***1***	***2***	***0***	***0***	***1***	***State***	***None***	***N/A***
	Del Mar Mesa (CDFW/USFWS)	***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[3]	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	16	0	11	0	0	2	City	SSRP	Level 1
H 39	Greystone Torrey Highlands	North	0	25	0	17	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 Baker)	North	0	7	0	0	0	0	3	Private	None	None[2]
I 6 C	Facilities Development (Eastgate Miramar Associates)	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
J 2	Cal Terraces (North), Otay Mesa Road Parcels	South	356	0	83	300	53	93	209	City	Level 1	Level 1*
	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]
J3	***J3***	***South***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***State***	***None***	***N/A***
J 4-5	Attisha Trust	South	0	0	0	0	0	0	5	City	None	N/A
	Robinhood Ridge	South	19	0	4	46	0	6	41	City	Level 1	Level 1
J 11 E	Slump Block Pools	South	0	0	0	0	0	0	0	Private	None	Level 2[1]
J 11 W	J 11 West	South	0	0	0	0	0	1	1	Private	None	Level 3[1]
J 12	J 12	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]
	South Otay J 13 S (City)	South	0	0	0	0	0	0	0	City	None	N/A
J 14	***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
	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***
J 16-18	Goat Mesa (City)	South	0	0	0	4	0	1	0	City	Level 1	Level 1*
	Goat Mesa (Federal)	***South***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***Federal***	***None***	***None***
	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]***
J 30	***Lonestar E (Caltrans)***	***South***	***0***	***0***	***0***	***0***	***0***	***35***	***50***	***State***	***SSMP***	***N/A [4]***
	Lonestar E (Private)	South	1	0	0	32	0	0	0	Private (County)	SSMP	Level 1
J 31	***Dennery 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
J 32	***West Otay A (Caltrans)***	***South***	***7***	***0***	***3***	***1***	***0***	***1***	***8***	***State***	***SSRP***	***N/A***
	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 School***	***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	City	None	None
K 5	Otay Lakes	South	0	0	2	46	0	0	6	Cornerstone Lands	Level 1	Level 1
KK 2	Pasatiempo	South	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
Q2	Mission Trails Regional Park	Central	0	0	0	0	0	0	6	City	Level 1	Level 1
	Calle de Vida East	Central	0	0	0	0	0	0	0	City	None [1]	N/A
Q 3	Castlerock	North	0	0	0	0	0	0	0	Private	SSRP	Level 1
QQ	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	***Kearny Mesa Logistics***	***Central***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***Private***	***None***	***Level 1[1]***
	Kearny Mesa Logistics	Central	0	1	0	2	0	0	6	City	None	None[5]
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
TBD	Fairbanks Highlands	North	0	0	0	0	0	0	3	City	None	None[5]
TBD	Dormouse	North	0	0	0	13	0	TBD	TBD	City	None	None[5]
TBD	Stowe	North	0	0	0	0	0	0	5	City	None	None[5]
TBD	Calle de Vida West	Central	0	0	0	1	0	0	2	City	None	None[5]
TBD	Ocean View Hills Pkwy	South	TBD	TBD	TBD	TBD	TBD	TBD	TBD	City	None	None[2]
TBD	Topsail	South	2	0	0	3	0	TBD	TBD	City	None	None[5]
TBD	Seabird Way	South	0	0	0	25	0	0	2	City	None	None[5]

CDFW = California Department of Fish and Wildlife; City = City of San Diego; N/A = Not Applicable; SSRP= Site-specific restoration plan; SSMP=Site-specific management plan or requirements; TBD = To Be Determined; USFWS = United States Fish and Wildlife Service

Foot notes continued on next page.

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 Vernal Pool Management and Monitoring Plan (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 Vernal Pool Habitat Conservation Plan [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.
5 = As separate funding becomes available (e.g., grant funds) the City may work to implement additional recommended management as identified on the site specific VPMMP management sheet.
* = 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.
Tan	City owned, newly discovered Vernal Pool complex and/or vernal pools within existing complex, and not currently subject to 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

2023 Vernal Pool Qualitative Monitoring and Management Datasheets

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Anderprises (J14)

Planning Unit: South **City or Other?** City **Managing Department:** Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 4/14/2023 **Start Time:** 11:37 AM

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, Grading/Recontouring, Regular patrols recommended, sign install, fence install, trash pickup, dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some old trash present.

Management Actions Compeleted

Visit Date: 4/14/2023 **Start Time:** 11:46 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: City staff performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Brown Field (J35)

Planning Unit: South **City or Other?** City **Managing Department:** Airports

VPHCP Required Management and Monitoring Level: Level 3

Qualitative Monitoring Data

Visit Date: 4/20/2023 **Start Time:** 9:06 AM

Surveyors: Frank Santana and Reece Cabanas

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** ≥16 **Fairy Shrimp Visible:** wrong_time

Listed Plants Visible? absent

New and Ongoing Issues Observed During Visit:

Trash:

Damage to Fences and/or Signs:

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:

Management Needs:

Other Management Needs:

Additional Management Actions Recommended:

Notes: Visited all the sites where pools are indicated on City maps. Only 1 of the mapped pools retained water and a few pools were still damp from recent inundation. Each pool had high numbers of invasive plants.

Visit Date: 6/1/2023 **Start Time:** 2:43 PM

Surveyors: Frank Santana and JR Sundberg

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:

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:

Management Needs: Weed control, dethatching

Other Management Needs:

Additional Management Actions Recommended: Eryngium aristulatum observed in pool 2978, harvest propagules g ft or ongoing restoration sites is suggested.

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Brown Field (J35)

Management Actions Compeleted

Visit Date: 6/23/2023 **Start Time:** 10:30 AM

Surveyors: Frank Santana and Chris Thomson

Action(s) Completed: Fence repair

Notes: Removed the fence posts surrounding vernal pool 2978. Documented the presence of a single Eryngium aristulatum plant in the pool basin.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Calle de Vida

Planning Unit: Central **City or Other?** City **Managing Department:** Parks & Recreation

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 7/22/2022 **Start Time:** 8:32 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, dethatching, Restoration/Revegetation, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and Stinkwort present. Some trash present.

Visit Date: 10/17/2022 **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? 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: sign install, Regular patrols recommended, Restoration/Revegetation, Weed control, dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dead annual weeds in pools needs to be weed whacked. One stinkwort was discovered and hand pulled. SDGE pole replacement occuring outside of pools and fenced off well to prevent impacts.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Calle de Vida

Visit Date: 2/3/2023 **Start Time:** 2:20 PM

Surveyors: Jason 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: 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, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Fairy shrimp and tadpoles present in some pools. Trash in and around some pools.

Visit Date: 3/17/2023 **Start Time:** 11:50 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:

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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Tadpoles present in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Calle de Vida

Visit Date: 4/13/2023 **Start Time:** 1:14 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, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some trash present.

Visit Date: 5/19/2023 **Start Time:** 12:33 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: 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, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some new trash present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Calle de Vida

Management Actions Compeleted

Visit Date: 7/29/2022 **Start Time:** 10:11 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, trash pickup

Notes: City staff performed weed control and trash pickup.

Visit Date: 4/13/2023 **Start Time:** 1:09 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 9/29/2022 **Start Time:** 3:27 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: 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, fence install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stinkwort present. Some new trash present. Fence needs to be finished.

Visit Date: 10/18/2022 **Start Time:** 9:54 AM

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: 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: Some annual stinkwort weeds in pools. Some new and old trash.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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

Visit Date: 11/4/2022 **Start Time:** 7:34 AM

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: 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: Dead annual weeds, grass thatch and some trash present.

Visit Date: 12/13/2022 **Start Time:** 12:14 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no **Days Since Last Rain:** 0 **Fairy Shrimp Visible:**

Listed Plants Visible? wrong_time

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, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trashed dumped over fence. Fence height needs to be raised to prevent illegal dumping.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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

Visit Date: 3/2/2023 **Start Time:** 8:28 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: **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Tadpoles in some pools. Frogs heard in pools.

Visit Date: 3/24/2023 **Start Time:** 11:52 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: **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Tadpoles in some pools. Pools are filled up.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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

Visit Date: 4/27/2023 **Start Time:** 10:27 AM

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, dethatching, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Toads observed in some pools. Focal species not flowering yet.

Visit Date: 5/8/2023 **Start Time:** 11:46 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: 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, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some trash present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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

Visit Date: 5/24/2023 **Start Time:** 1:44 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: new

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some trash present.

Visit Date: 6/13/2023 **Start Time:** 3:45 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: ongoing

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, Regular patrols recommended, trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some old trash. Listed plants abundant.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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

Visit Date: 6/28/2023 **Start Time:** 3:08 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: new

Damage to Fences and/or Signs:

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:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some roadside trash present. Annual weeds and grasses in and around pools. Site looks great overall.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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

Management Actions Compeleted

Visit Date: 10/18/2022 **Start Time:** 9:22 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, trash pickup

Notes: City staff pulled two trash bags of stinkwort and picked up one bag of trash.

Visit Date: 1/13/2023 **Start Time:** 11:42 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 1/26/2023 **Start Time:** 8:00 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, trash pickup

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 1/27/2023 **Start Time:** 2:20 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, trash pickup

Notes: Contracted crew performed weed control, trash pickup and dethatching.

Visit Date: 1/31/2023 **Start Time:** 8:31 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, Fence repair, trash pickup, dump cleanup

Notes: Contracted crew performed weed control, dethatching, trash pickup and fence repair.

Visit Date: 2/13/2023 **Start Time:** 7:00 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 2/27/2023 **Start Time:** 8:24 AM

Surveyors: Jason Allen

Action(s) Completed: fence install

Notes: Contracted crew performed fence installation.

Visit Date: 3/2/2023 **Start Time:** 8:18 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 3/3/2023 **Start Time:** 9:40 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: Contracted crew performed weed control.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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

Visit Date: 3/24/2023 **Start Time:** 11:55 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 5/24/2023 **Start Time:** 1:16 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, trash pickup

Notes: Contracted crew performed weed control, dethatching and trash pickup.

Visit Date: 5/25/2023 **Start Time:** 8:19 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 5/26/2023 **Start Time:** 9:26 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14)

Planning Unit: South **City or Other?** City **Managing Department:** Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 8/9/2022 **Start Time:** 9:08 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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trash along entry fence.

Visit Date: 9/15/2022 **Start Time:** 3:06 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: new **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: Restoration/Revegetation, trash pickup, Regular patrols recommended, Fence repair

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some trash onsite. Weed cover is low.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14)

Visit Date: 9/15/2022 **Start Time:** 1:39 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: 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: Some trash to pickup and stinkwort to control.

Visit Date: 9/29/2022 **Start Time:** 3:17 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: 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, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trash and weeds present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14)

Visit Date: 12/5/2022 **Start Time:** 10:54 AM

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: new **Tresspass/Unauthorized Use:** new

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: Two pools were inundated (2024, 2043). One pool had fairy shrimp visible (2024). Annual weeds and grasses present. Trash blown in from street. Illegal trespass through wildlife passage hole.

Visit Date: 1/14/2023 **Start Time:** 4:34 PM

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, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present in and around pools. Fairy shrimp and tadpoles in some pools. New trash blew in from street and possible hang out spot.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14)

Visit Date: 1/27/2023 **Start Time:** 2:33 PM

Surveyors: Jason 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, dethatching, Regular patrols recommended, trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present in and around pools. Fairy shrimp present in some pools. Some old trash discovered.

Visit Date: 1/27/2023 **Start Time:** 1:20 PM

Surveyors: Jason 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: **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, dethatching, Fence repair

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Fence cut in various locations. Fairy shrimp in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14)

Visit Date: 4/7/2023 **Start Time:** 3:12 PM

Surveyors: Jason 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

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Fairy shrimp identified as Riverside in one pool.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14)

Management Actions Compeleted

Visit Date: 9/15/2022 **Start Time:** 1:28 PM

Surveyors: Jason Allen

Action(s) Completed: trash pickup

Notes: City staff performed trash pickup.

Visit Date: 9/29/2022 **Start Time:** 3:19 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 1/26/2023 **Start Time:** 8:10 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control, trash pickup and dethatching.

Visit Date: 1/27/2023 **Start Time:** 1:18 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, trash pickup

Notes: Contracted crew performed weed control and trash pickup.

Visit Date: 5/24/2023 **Start Time:** 3:48 PM

Surveyors: Jason Allen

Action(s) Completed: trash pickup

Notes: City staff performed trash pickup.

Visit Date: 5/26/2023 **Start Time:** 8:23 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 1/6/2023 **Start Time:** 12:59 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:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present. Pools have water in them. Frog eggs present in some pools.

Visit Date: 1/26/2023 **Start Time:** 10:19 AM

Surveyors: Jason 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:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Fairy shrimp and tadpoles in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Carmel Mountain (H38)

Visit Date: 2/21/2023 **Start Time:** 12:39 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: **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stand alone pool South of main complex. Site needs to be fenced and signed. Annual weeds present in and around pool. Possibly other unmapped pools nearby.

Management Actions Compeleted

Visit Date: 2/5/2023 **Start Time:** 2:28 PM

Surveyors: Jason Allen

Action(s) Completed: Educational Program/Tour

Notes: City staff conducted educational program for college group.

Visit Date: 2/21/2023 **Start Time:** 11:23 AM

Surveyors: Jason Allen

Action(s) Completed: Educational Program/Tour

Notes: City staff conducted educational program for other City staff.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 8/24/2022 **Start Time:** 11:09 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: 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, Regular patrols recommended, trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Pools look good. Some tocalote thistle, stinkwort and rock rose patches present. A few bottles and scattered trash.

Visit Date: 9/30/2022 **Start Time:** 7:50 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, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some new trash and annual weeds popping up. Overall pretty clean.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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

Visit Date: 12/9/2022 **Start Time:** 1:55 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: Some weeds in and around pools. Broken glass trash present.

Visit Date: 1/25/2023 **Start Time:** 10:59 AM

Surveyors: Jason 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: 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: New trash thrown over fence. Annual weeds and grasses in and around pools. Button celery starting to emerge.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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

Visit Date: 5/4/2023 **Start Time:** 4:17 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: **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

Management Actions Compeleted

Visit Date: 9/30/2022 **Start Time:** 7:59 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, trash pickup

Notes: Contracted crew performed weed control. City staff and contracted crew performed trash pickup.

Visit Date: 12/13/2022 **Start Time:** 7:55 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, trash pickup

Notes: Contracted crew performed weed control, dethatching and trash pickup.

Visit Date: 1/25/2023 **Start Time:** 11:07 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, trash pickup

Notes: City staff performed weed control and trash pickup.

Visit Date: 2/21/2023 **Start Time:** 1:37 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 10/13/2022 **Start Time:** 10:23 AM

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, dump cleanup, trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Old trash and dumps still scattered around. Annual weeds present. Graffiti on interpretive panel.

Visit Date: 11/4/2022 **Start Time:** 10:49 AM

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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and trash present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Clayton Parcel (J2)

Visit Date: 12/19/2022 **Start Time:** 11:05 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: 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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present. Some trash present. Water in a few pools.

Visit Date: 1/14/2023 **Start Time:** 4:14 PM

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: **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, trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present in and around pools. Fairy shrimp and tadpoles in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Clayton Parcel (J2)

Visit Date: 1/31/2023 **Start Time:** 9:21 AM

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: new

Damage to Fences and/or Signs:

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:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some new trash present. Old dumps on site.

Visit Date: 4/14/2023 **Start Time:** 9:21 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:

Damage to Fences and/or Signs:

Invasive Species in Pool:

Invasive Species in Buffer:

Other issues observed:

Are other issues new or ongoing?

Tresspass/Unauthorized Use:

Fire or Damage from Fire Supression:

Damage from Edge Effects:

Hydrological Impacts:

Management Needs:

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some trash present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Clayton Parcel (J2)

Visit Date: 4/28/2023 **Start Time:** 12:01 PM

Surveyors: Jason Allen

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: ongoing

Damage to Fences and/or Signs:

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:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Restored pools looking great!

Visit Date: 5/26/2023 **Start Time:** 4:38 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:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Clayton Parcel (J2)

Management Actions Compeleted

Visit Date: 9/27/2022 **Start Time:** 8:51 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 1/25/2023 **Start Time:** 8:32 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 1/31/2023 **Start Time:** 9:25 AM

Surveyors: Jason Allen

Action(s) Completed: trash pickup

Notes: City staff performed trash pickup.

Visit Date: 2/28/2023 **Start Time:** 9:33 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, trash pickup

Notes: Contracted crew performed weed control, dethatching and trash pickup.

Visit Date: 3/7/2023 **Start Time:** 1:13 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 4/28/2023 **Start Time:** 11:50 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 5/8/2023 **Start Time:** 12:28 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 5/9/2023 **Start Time:** 8:47 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 5/11/2023 **Start Time:** 8:44 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, trash pickup

Notes: Contracted crew performed weed control, dethatching and trash pickup.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Clayton Parcel (J2)

Visit Date: 5/12/2023 **Start Time:** 9:21 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, trash pickup

Notes: Contracted crew performed weed control, dethatching and trash pickup.

Visit Date: 6/9/2023 **Start Time:** 8:27 AM

Surveyors: Jason Allen

Action(s) Completed: dethatching, Weed control

Notes: Contracted crew performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 12/13/2022 **Start Time:** 10:10 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:** new

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 repair, trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: African daisy present far SW corner. Fence was cut. Annual weeds and grasses in and arpund pools. Some old trash present.

Visit Date: 2/8/2023 **Start Time:** 10:43 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, dethatching, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some small trash items present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Crescent Heights (B7-8)

Visit Date: 5/4/2023 **Start Time:** 3:03 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:

Damage to Fences and/or Signs: new

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:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some trash present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 1/26/2023 **Start Time:** 1:39 PM

Surveyors: Jason 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:

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, Restoration/Revegetation, Fence repair, fence install, sign install, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Bike tracks through some pools. Button celery and Mesa mint present in some pools.

Visit Date: 3/9/2023 **Start Time:** 11:43 AM

Surveyors: Jason 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:

Tresspass/Unauthorized Use: ongoing

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, Fence repair, sign install, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Fence cut and sign stolen. Tire tracks through pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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

Visit Date: 6/21/2023 **Start Time:** 9:30 AM

Surveyors: Andrew Kort, Darin Busby, Brian Parker

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: new **Tresspass/Unauthorized Use:** new

Damage to Fences and/or Signs: new **Fire or Damage from Fire Supression:**

Invasive Species in Pool: **Damage from Edge Effects:**

Invasive Species in Buffer: new **Hydrological Impacts:**

Other issues observed:

Are other issues new or ongoing?

Management Needs: sign replacement, accesscontrol, Weed control, trash pickup, Fence repair

Other Management Needs:

Additional Management Actions Recommended:

Notes: Bike trail through pool. New development and ongoing construction 185 feet to the east; could restrict access and require alternative access to the south in the future. Non-native grasses in upland buffer. Minor trash present. Sign on ground.

Management Actions Compeleted

Visit Date: 1/26/2023 **Start Time:** 2:02 PM

Surveyors: Jason Allen

Action(s) Completed: trash pickup

Notes: City staff performed trash pickup.

Visit Date: 2/3/2023 **Start Time:** 12:34 PM

Surveyors: Jason Allen

Action(s) Completed: fence install, sign install

Notes: City staff performed fence and sign installation.

Visit Date: 5/24/2023 **Start Time:** 11:36 AM

Surveyors: Kelsey Hall

Action(s) Completed: Observation Visit

Notes: This was a site visit conducted with Helix.

Visit Date: 6/5/2023 **Start Time:** 11:51 AM

Surveyors: Jason Allen

Action(s) Completed: restreveg

Notes: Installed some native plants along edge of illegal trail.

Visit Date: 6/9/2023 **Start Time:** 1:11 PM

Surveyors: Jason Allen

Action(s) Completed: reveg restore site maint, restreveg

Notes: City staff performed restoration and restoration site maintenance.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Dormouse

Planning Unit: North **City or Other?** City **Managing Department:** Parks & Recreation

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 7/22/2022 **Start Time:** 1:16 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: **Tresspass/Unauthorized Use:** new

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:

Notes: Button celery is in a few pools. Some of the native vegetation around pools that was cut down is slowly growing back. Some bicycle tracks noticed in and around pools near the houses.

Visit Date: 12/19/2022 **Start Time:** 3:02 PM

Surveyors: Jason Allen

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: 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, Regular patrols recommended, trash pickup, Fence repair

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some cut vegetation sprouted back. Some annual weeds coming up and trash present. Illegally dumped dirt and rocks outside fence.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Dormouse

Visit Date: 1/17/2023 **Start Time:** 1:23 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, Restoration/Revegetation, Fence repair, gaterepair, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Old trash around pools. Some pools have water. No fairy shrimp observed at this time.

Visit Date: 2/28/2023 **Start Time:** 2:30 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: Fence repair, gaterepair, Weed control, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds in and around pools. Some plants that were cut down sprouted back. Button celery present in some pools. Some trash present. Fence and gate needs to be repaired.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Dormouse

Management Actions Compeleted

Visit Date: 1/9/2023 **Start Time:** 9:03 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, trash pickup

Notes: Contracted crew performed weed control and trash pickup.

Visit Date: 1/17/2023 **Start Time:** 1:13 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, restreveg, trash pickup

Notes: City staff and contracted crew performed weed control, trash pickup and habitat restoration.

Visit Date: 2/28/2023 **Start Time:** 2:28 PM

Surveyors: Jason Allen

Action(s) Completed: restreveg

Notes: City staff performed restoration/revegetation along street edge.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Fairbanks Highlands

Planning Unit: North **City or Other?** City **Managing Department:** Parks & Recreation

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 7/22/2022 **Start Time:** 11:48 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, dethatching, Restoration/Revegetation, Recontouring pools, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Site heavily overgrown by non-native annual grasses and some artichoke thistle. Pools in old dirt roads. No focal plant species in any pools.

Visit Date: 1/17/2023 **Start Time:** 2:43 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: **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: Weed control, dethatching, Restoration/Revegetation, fence install, sign install, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Perennial weeds present around pools. Fairy shrimp present in large road pool. Most pools holding water.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Fairbanks Highlands

Visit Date: 2/28/2023 **Start Time:** 11:43 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:

Damage to Fences and/or Signs: new

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:

Management Needs: Weed control, dethatching, Restoration/Revegetation, sign install, fence install, trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Perennial weeds around pools. T-post fence tampered with.

Management Actions Compeleted

Visit Date: 2/28/2023 **Start Time:** 11:20 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Fence repair

Notes: City staff performed weed control and fence repair.

Visit Date: 6/6/2023 **Start Time:** 1:23 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: City staff performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Goat Mesa (J16-18)

Planning Unit: South **City or Other?** City **Managing Department:** Public Utilities

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 7/26/2022 **Start Time:** 11:30 AM

Surveyors: Kelsey Hall, Travis Whitney

Site Conditions:

Ponded Water: no **Days Since Last Rain:** ≥16 **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: **Damage from Edge Effects:**

Invasive Species in Buffer: **Hydrological Impacts:**

Other issues observed:

Are other issues new or ongoing?

Management Needs:

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 8/10/2022 **Start Time:** 11:09 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, dethatching, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Goat Mesa (J16-18)

Visit Date: 9/29/2022 **Start Time:** 1:55 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:

Damage to Fences and/or Signs:

Invasive Species in Pool: ongoing

Invasive Species in Buffer: ongoing

Other issues observed:

Are other issues new or ongoing?

Tresspass/Unauthorized Use: new

Fire or Damage from Fire Supression:

Damage from Edge Effects:

Hydrological Impacts:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dry grass and annual weeds around and in pools. Motorcycle track along main dirt road.

Visit Date: 11/15/2022 **Start Time:** 8:59 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** 6-15 **Fairy Shrimp Visible:** absent

Listed Plants Visible? wrong_time

New and Ongoing Issues Observed During Visit:

Trash:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes: Two pools on upper mesa are inundated. Annual weeds coming up everywhere.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Goat Mesa (J16-18)

Visit Date: 4/7/2023 **Start Time:** 2:04 PM

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:

Damage to Fences and/or Signs:

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:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

Visit Date: 4/27/2023 **Start Time:** 11:58 AM

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: ongoing

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some old trash present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Goat Mesa (J16-18)

Visit Date: 6/29/2023 **Start Time:** 1:45 PM

Surveyors: Darin Busby, Andrew Kort

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:** new

Damage to Fences and/or Signs: **Fire or Damage from Fire Supression:**

Invasive Species in Pool: new **Damage from Edge Effects:**

Invasive Species in Buffer: new **Hydrological Impacts:**

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, dethatching, trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools and burned area.

Visit Date: 6/29/2023 **Start Time:** 12:30 PM

Surveyors: Andrew Kort, Darin Busby

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:** new

Damage to Fences and/or Signs: **Fire or Damage from Fire Supression:**

Invasive Species in Pool: new **Damage from Edge Effects:**

Invasive Species in Buffer: new **Hydrological Impacts:**

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, dethatching, trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Goat Mesa (J16-18)

Management Actions Compeleted

Visit Date: 8/22/2022 **Start Time:** 10:47 AM

Surveyors: Jason Allen

Action(s) Completed: restreveg, Weed control

Notes: City staff performed habitat restoration watering and weed control.

Visit Date: 4/27/2023 **Start Time:** 12:51 PM

Surveyors: Jason Allen

Action(s) Completed: dethatching, Weed control

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 5/24/2023 **Start Time:** 9:08 AM

Surveyors: Kelsey Hall

Action(s) Completed: Observation Visit

Notes: Site visit with Helix.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 11/7/2022 **Start Time:** 1:09 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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stinkwort present in and out of pools. Dead annual weeds and thatch present.

Visit Date: 1/17/2023 **Start Time:** 3:01 PM

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: **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: Annual weeds and grasses in and around pools. All pools filled with water. Fairy shrimp present in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Greystone Torrey Highlands (H39)

Visit Date: 5/4/2023 **Start Time:** 2:20 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:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present. Mesa mint blooming. Still water in some pools.

Visit Date: 5/25/2023 **Start Time:** 12:44 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:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Greystone Torrey Highlands (H39)

Management Actions Compeleted

Visit Date: 11/7/2022 **Start Time:** 1:49 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 1/24/2023 **Start Time:** 8:08 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 4/20/2023 **Start Time:** 12:19 PM

Surveyors: MBerninger

Action(s) Completed: Weed control

Notes: City staff performed trash pickup.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 10/13/2022 **Start Time:** 10:55 AM

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: 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, dethatching, Restoration/Revegetation, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Cut brush dumped in pools. Some old trash onsite and new trash from neighbors.

Visit Date: 1/14/2023 **Start Time:** 4:04 PM

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: **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present in an around pools. Fairy shrimp and tadpoles present in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Hidden Trails (J31)

Visit Date: 2/27/2023 **Start Time:** 1:39 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, dethatching, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around the pools.

Visit Date: 3/2/2023 **Start Time:** 8:57 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: **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Frog heard in pools. Tadpoles in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Hidden Trails (J31)

Management Actions Compeleted

Visit Date: 11/10/2022 **Start Time:** 8:13 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, trash pickup

Notes: Contracted crew performed weed control, dethatching and trash pickup.

Visit Date: 3/2/2023 **Start Time:** 9:00 AM

Surveyors: Jason Allen

Action(s) Completed: dethatching, Weed control

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 3/7/2023 **Start Time:** 1:31 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 6/8/2023 **Start Time:** 12:22 PM

Surveyors: Jason Allen

Action(s) Completed: dethatching, Weed control

Notes: Contracted crew performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 12/5/2022 **Start Time:** 11:34 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

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: new

Fire or Damage from Fire Supression:

Damage from Edge Effects:

Hydrological Impacts:

Management Needs: Weed control, Restoration/Revegetation, Fence repair, trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds coming up in and around vernal pools. Some bike tracks through pools outside of inner fence. Break in outer fence.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Lake Murray (KK1)

Planning Unit: Central **City or Other?** City **Managing Department:** Parks & Recreation

VPHCP Required Management and Monitoring Level:

Qualitative Monitoring Data

Visit Date: 7/1/2022 **Start Time:** 12:44 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: 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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pool. Sign and fence installation needed.

Visit Date: 3/1/2023 **Start Time:** 2:47 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: new **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pool. Some trash in pool. No fence or signage to protect pool from unauthorized access. Vehicle tracks near edge of pool.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Lake Murray (KK1)

Visit Date: 4/6/2023 **Start Time:** 3:22 PM

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: 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: fence install, sign install, trash pickup, Weed control, dethatching, Restoration/Revegetation, Regular patrols recommended, accesscontrol

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pool. Some trash in pool. Evidence of trespass along edge of pool. Fencing and signage needed.

Management Actions Compeleted

Visit Date: 6/30/2023 **Start Time:** 12:47 PM

Surveyors: Jason Allen

Action(s) Completed: sign install, trash pickup

Notes: City staff performed sign installation and trash pickup.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 8/24/2022 **Start Time:** 9:16 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:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Pools look good. Limited weed cover inside and out of pools. Mesa mint still detectable.

Visit Date: 12/13/2022 **Start Time:** 9:51 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:

Damage to Fences and/or Signs: new

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:

Management Needs: Weed control, dethatching, sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses popping up. Install signs to replace missing ones.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Lopez Ridge (B7-8)

Visit Date: 2/8/2023 **Start Time:** 11:07 AM

Surveyors: Jason 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:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present in and around pools. Fairy shrimp and tadpoles in some pools.

Visit Date: 5/4/2023 **Start Time:** 3:06 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:

Damage to Fences and/or Signs:

Invasive Species in Pool: ongoing

Invasive Species in Buffer: ongoing

Other issues observed:

Are other issues new or ongoing?

Tresspass/Unauthorized Use: new

Fire or Damage from Fire Supression:

Damage from Edge Effects:

Hydrological Impacts:

Management Needs: Weed control, dethatching, accesscontrol, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Lopez Ridge (B7-8)

Management Actions Compeleted

Visit Date: 2/8/2023 **Start Time:** 10:40 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Marron Valley (MM1)

Planning Unit: South **City or Other?** City **Managing Department:** Public Utilities

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 7/26/2022 **Start Time:** 9:00 AM

Surveyors: Kelsey Hall, Travis Whitney

Site Conditions:

Ponded Water: no **Days Since Last Rain:** ≥16 **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: **Damage from Edge Effects:**

Invasive Species in Buffer: **Hydrological Impacts:**

Other issues observed:

Are other issues new or ongoing?

Management Needs:

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 6/29/2023 **Start Time:** 8:54 AM

Surveyors: Darin Busby, Andrew Kort

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: new **Tresspass/Unauthorized Use:** new

Damage to Fences and/or Signs: **Fire or Damage from Fire Supression:**

Invasive Species in Pool: new **Damage from Edge Effects:**

Invasive Species in Buffer: new **Hydrological Impacts:**

Other issues observed: Some pools in road that receives minor traffic, not protected by fence.

Are other issues new or ongoing? ongoing

Management Needs: Weed control, dethatching, trash pickup, sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Recent fire ~1 mi. west, no burn in complex. Creek xing 1ft. deep. Annual weeds and grasses in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 10/26/2022 **Start Time:** 12:37 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, Restoration/Revegetation, dethatching, fence install, sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some weedy upland natives creeping into the pool. Dead annual grass and weed thatch present.

Visit Date: 1/7/2023 **Start Time:** 4:13 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, Regular patrols recommended, fence install, sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present. Needs extra fence sections added.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Mission Trails Regional Park (Q2)

Visit Date: 1/11/2023 **Start Time:** 11:16 AM

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: **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, dethatching, Fence repair, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Fairy shrimp in large Eastern pool. Annual weed and grasses in and around pool. One fence section damaged.

Visit Date: 2/8/2023 **Start Time:** 2:06 PM

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: **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Habitat restoration site needs weed control. Tadpoles in pool.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Mission Trails Regional Park (Q2)

Visit Date: 2/24/2023 **Start Time:** 10:52 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: **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, Restoration/Revegetation, Fence repair, sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual grasses and weeds in and outside pools. Fence repair needed and sign installation.

Visit Date: 5/24/2023 **Start Time:** 9:56 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, dethatching, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. SD mesa mint found in a few pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Mission Trails Regional Park (Q2)

Visit Date: 6/27/2023 **Start Time:** 1:47 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, dethatching, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Habitat restoration site looking good, but needs some weed control.

Visit Date: 6/30/2023 **Start Time:** 12:04 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:** new

Damage to Fences and/or Signs: **Fire or Damage from Fire Supression:**

Invasive Species in Pool: new **Damage from Edge Effects:**

Invasive Species in Buffer: new **Hydrological Impacts:**

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, dethatching, Restoration/Revegetation, fence install, sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Needs fence and sign installed. Some illegal trespass on edge of pool via a trail. Woolly marbles and lythrum present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Mission Trails Regional Park (Q2)

Management Actions Compeleted

Visit Date: 1/11/2023 **Start Time:** 11:33 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, restreveg

Notes: City staff and volunteers performed habitat restoration and weed control.

Visit Date: 2/8/2023 **Start Time:** 2:02 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 3/17/2023 **Start Time:** 11:29 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 6/30/2023 **Start Time:** 12:09 PM

Surveyors: Jason Allen

Action(s) Completed: sign install

Notes: City staff installed sign.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 1/24/2023 **Start Time:** 10:00 AM

Surveyors: Frank Santana and Reece Cabanas

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:

Damage to Fences and/or Signs:

Invasive Species in Pool:

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:

Management Needs: Weed control, dethatching, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Visited all sentinel pools for a high level check. All pool basins are structurally intact. Invasive plants present in and adjacent to all pools

Visit Date: 2/7/2023 **Start Time:** 11:27 AM

Surveyors: Frank Santana and Reece Cabanas

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:

Damage to Fences and/or Signs:

Invasive Species in Pool:

Invasive Species in Buffer:

Other issues observed:

Are other issues new or ongoing?

Tresspass/Unauthorized Use:

Fire or Damage from Fire Supression:

Damage from Edge Effects:

Hydrological Impacts:

Management Needs:

Other Management Needs:

Additional Management Actions Recommended:

Notes: Tadpoles present, too small to verify species.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6)

Visit Date: 3/9/2023 **Start Time:** 1:28 PM

Surveyors: Frank Santana and Jason Allen

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:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Tadpoles were present and appear to be western toads and pacific chorus frogs.

Visit Date: 4/12/2023 **Start Time:** 9:32 AM

Surveyors: Frank Santana

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** ≥16 **Fairy Shrimp Visible:** wrong_time

Listed Plants Visible?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Focused survey along the eastern boundary roads. Documented the invasive species along the roadside. No Stinknet observed. Western toad toadlets and tadpoles. Pacific chorus frogs also observed.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6)

Visit Date: 4/24/2023 **Start Time:** 1:21 PM

Surveyors: Frank Santana and Chris Thomson

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** ≥16 **Fairy Shrimp Visible:** wrong_time

Listed Plants Visible? present

New and Ongoing Issues Observed During Visit:

Trash:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Pogogyne abramsii detected in multiple pools. Eryngium was not detected in any of the pools. We surveyed a random subset of the pools. Every pool was not visited on this trip.

Visit Date: 5/11/2023 **Start Time:** 8:43 AM

Surveyors: Frank Santana and Scott McMillan

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

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Evaluated the phenology of vernal pool plant seeding. Scott McMillan is going to collect seeds during a future visit for an ongoing restoration at the SANDERS site.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6)

Visit Date: 5/24/2023 **Start Time:** 7:55 AM

Surveyors: Chelsea Polevy, JR Sundberg, Frank Santana

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, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended: Control of upland weeds surrounding pools is encouraged to prevent spread into vernal pool basins.

Notes: None

Visit Date: 6/1/2023 **Start Time:** 9:08 AM

Surveyors: Chelsea Polevy, JR Sundberg, Frank Santana

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, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended: Stinkwort (Dittrichia graveolens) observed on service road and may be present in some pools based on dead vegetation from the previous year.

Notes: None

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6)

Management Actions Compeleted

Visit Date: 12/20/2022 **Start Time:** 12:03 PM

Surveyors: Frank Santana

Action(s) Completed: trash pickup

Notes:

Visit Date: 2/9/2023 **Start Time:** 12:30 PM

Surveyors: Frank Santana

Action(s) Completed: trash pickup

Notes: Majority of pools at the airport still held significant levels of water. Fairy shrimp were detected at pool 6255

Visit Date: 6/23/2023 **Start Time:** 8:00 AM

Surveyors: Frank Santana and Chris Thomson

Action(s) Completed: Weed control

Notes:

Visit Date: 6/27/2023 **Start Time:** 8:15 AM

Surveyors: Frank Santana, Reece Cabanas

Action(s) Completed: Seed collection

Notes: Additional seed collection expected in July for Pogogyne abramsii and Brodiaea orcuttii.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Nobel Drive (X5)

Planning Unit: North **City or Other?** City **Managing Department:** Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 11/10/2022 **Start Time:** 1:47 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** 1-5 **Fairy Shrimp Visible:** absent

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: dethatching, Weed control, Regular patrols recommended, sign install, fence install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dead annual weeds and grass thatch present in and outside of pools. Fence and signs need to be added around pools without fence.

Visit Date: 1/18/2023 **Start Time:** 2:54 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: **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, Regular patrols recommended, sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present in and around pools. Fairy shrimp and tadpoles present in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Nobel Drive (X5)

Visit Date: 3/17/2023 **Start Time:** 12:40 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:

Tresspass/Unauthorized Use: new

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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Fairy shrimp or tadpoles in some pools.

Visit Date: 3/24/2023 **Start Time:** 2:00 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:

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, Regular patrols recommended, accesscontrol

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Tadpoles and fairy shrimp present in some pools. One vernal pool in middle of trail during this really wet year.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Nobel Drive (X5)

Visit Date: 5/19/2023 **Start Time:** 1:26 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, dethatching, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present in and around pools.

Visit Date: 5/25/2023 **Start Time:** 11:22 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: Annual weeds and grasses in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Nobel Drive (X5)

Visit Date: 5/25/2023 **Start Time:** 9:48 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:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

Management Actions Compeleted

Visit Date: 2/7/2023 **Start Time:** 10:23 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Ocean View Hills Parkway

Planning Unit: South **City or Other?** City **Managing Department:** Parks & Recreation

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 7/19/2022 **Start Time:** 10:46 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, dethatching, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual grasses and weeds present. No focal plant species.

Visit Date: 2/22/2023 **Start Time:** 11:38 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: **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Ocean View Hills Parkway

Visit Date: 4/14/2023 **Start Time:** 3:17 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:

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:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around the pools. Corner of fence damaged.

Visit Date: 5/26/2023 **Start Time:** 12:43 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: ongoing

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:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some old trash present. Fence was damaged.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Otay Lakes (K5)

Planning Unit: South **City or Other?** City **Managing Department:** Public Utilities

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 6/12/2023 **Start Time:** 7:05 AM

Surveyors: Jonathan Mercado

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, reveg restore site maint, dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Management Actions Compeleted

Visit Date: 4/17/2023 **Start Time:** 2:16 PM

Surveyors: Kelsey Hall

Action(s) Completed: educational program tour

Notes: In the field with the Vernal Pool CRAM course.

Visit Date: 5/23/2023 **Start Time:** 10:54 AM

Surveyors: Kelsey Hall

Action(s) Completed: Observation Visit

Notes: Site visit with Helix.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 9/26/2022 **Start Time:** 3:13 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: **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: Site looks good. Restoration site plants looking good.

Visit Date: 12/15/2022 **Start Time:** 2:10 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: 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, sign install, trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds coming up. Water in one pool. Some trash in pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Pasatiempo (KK2)

Visit Date: 1/11/2023 **Start Time:** 3:19 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: 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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some old trash present. Pools on both East and West side of street had some water in them.

Visit Date: 4/6/2023 **Start Time:** 1:47 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** **Fairy Shrimp Visible:** absent

Listed Plants Visible? absent

New and Ongoing Issues Observed During Visit:

Trash: new **Tresspass/Unauthorized Use:** new

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, reveg restore site maint

Other Management Needs:

Additional Management Actions Recommended:

Notes: Illegal offroad activity occurred on site. Annual weeds in and around pools. Some new trash onsite. Fence needs repair. Habitat restoration site needs weed control.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Pasatiempo (KK2)

Visit Date: 6/1/2023 **Start Time:** 5:26 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, dethatching, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds in and around pools.

Visit Date: 6/29/2023 **Start Time:** 1:09 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, dethatching, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds in and around pools. Restoration site looking good.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Pasatiempo (KK2)

Management Actions Compeleted

Visit Date: 7/29/2022 **Start Time:** 12:44 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, trash pickup

Notes: City staff performed weed control and trash pickup.

Visit Date: 8/9/2022 **Start Time:** 8:41 AM

Surveyors: Jason Allen

Action(s) Completed: restreveg, Weed control

Notes: City staff performed restoration plant watering and weed control.

Visit Date: 1/11/2023 **Start Time:** 10:18 AM

Surveyors: Jason Allen

Action(s) Completed: restreveg, Weed control

Notes: Contracted crew performed habitat restoration and weed control.

Visit Date: 4/7/2023 **Start Time:** 8:56 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, trash pickup

Notes: Contracted crew performed weed control. City staff performed trash pickup.

Visit Date: 6/27/2023 **Start Time:** 8:44 AM

Surveyors: Jason Allen

Action(s) Completed: reveg restore site maint, Weed control

Notes: Contracted crew performed restoration site maintenance.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Pueblo Lands (North and South) (I12)

Planning Unit: North **City or Other?** City **Managing Department:** Public Utilities

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 4/12/2023 **Start Time:** 4:13 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: **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. No focal species present.

Visit Date: 6/21/2023 **Start Time:** 11:33 AM

Surveyors: Andrew Kort, Darin Busby, Brian Parker

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: new **Damage from Edge Effects:**

Invasive Species in Buffer: new **Hydrological Impacts:**

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Two small BAC SAR were growing in pool 2985 that should be removed.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Pueblo Lands (North and South) (I12)

Management Actions Compeleted

Visit Date: 5/24/2023 **Start Time:** 10:35 AM

Surveyors: Kelsey Hall

Action(s) Completed: Observation Visit

Notes: Site Visit with Helix.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 7/27/2022 **Start Time:** 11:43 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: new

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, gaterepair, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Gate was open and fence was pulled open again.

Visit Date: 8/9/2022 **Start Time:** 8:44 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: new

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, dethatching, Fence repair, Regular patrols recommended, trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Fence compromised in same spot and new trash is present. No new Ward's weed discovered.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 9/29/2022 **Start Time:** 12:05 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:** 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, Restoration/Revegetation, trash pickup, Fence repair, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some trash present. Fence keeps getting pulled open, but not much signs of trespass or trash. Some annual weeds on slope.

Visit Date: 10/13/2022 **Start Time:** 8:59 AM

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, trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some old broken bottle trash present. All weeds are dead annuals.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 11/4/2022 **Start Time:** 9:45 AM

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: new **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: trash pickup, Weed control, dethatching, Restoration/Revegetation, Fence repair, sign replacement, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Sign has new grafitti and fence is damaged. Some dead annual weeds and thatch present. New trash and bottles thrown in from street.

Visit Date: 12/2/2022 **Start Time:** 3:55 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:** 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, Restoration/Revegetation, Fence repair, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Ward's weed and other annual weeds and grasses popping up. City staff determined locations for upcoming native plant installation and surveyed for ward's weed. Some wind blown trash noticed.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 1/3/2023 **Start Time:** 8:31 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:

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: Wards weed and other weeds abundant. Some pools have standing water.

Visit Date: 1/27/2023 **Start Time:** 3:42 PM

Surveyors: Jason 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: 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, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present in and around pools. Weeds dying from recent weed control visits. Some Wards weed present. A few pieces of trash present. Fairy shrimp present in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 3/3/2023 **Start Time:** 1:18 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, dethatching, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

Visit Date: 3/8/2023 **Start Time:** 8:51 AM

Surveyors: Jason Allen

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: **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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 3/16/2023 **Start Time:** 3:12 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

Damage to Fences and/or Signs:

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:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some trash present. Pools filled with water.

Visit Date: 4/7/2023 **Start Time:** 3:54 PM

Surveyors: Jason Allen

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:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Tadpoles in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 4/14/2023 **Start Time:** 1:29 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, dethatching, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Ward's weed seedlings coming up in some locations.

Visit Date: 5/4/2023 **Start Time:** 9:21 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, dethatching, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some focal species flowering. Toads and frogs hopping around.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 5/10/2023 **Start Time:** 9:39 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: 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, dethatching, Fence repair, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some trash present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5)

Management Actions Compeleted

Visit Date: 9/29/2022 **Start Time:** 11:35 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 11/4/2022 **Start Time:** 8:29 AM

Surveyors: Jason Allen

Action(s) Completed: trash pickup

Notes: City staff performed trash pickup.

Visit Date: 12/2/2022 **Start Time:** 3:53 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 12/5/2022 **Start Time:** 9:48 AM

Surveyors: Jason Allen

Action(s) Completed: restreveg, Fence repair, trash pickup

Notes: Contracted crew performed habitat restoration. City staff performed trash pickup and fence repair.

Visit Date: 12/6/2022 **Start Time:** 12:18 PM

Surveyors: Jason Allen

Action(s) Completed: restreveg

Notes: Contracted crew performing habitat restoration.

Visit Date: 12/7/2022 **Start Time:** 10:56 AM

Surveyors: Jason Allen

Action(s) Completed: restreveg, Weed control

Notes: City staff performed weed control. Contracted staff performed habitat restoration.

Visit Date: 12/13/2022 **Start Time:** 11:44 AM

Surveyors: Jason Allen

Action(s) Completed: restreveg

Notes: Contracted crew performed habitat restoration.

Visit Date: 12/16/2022 **Start Time:** 1:54 PM

Surveyors: Jason Allen

Action(s) Completed: restreveg

Notes: Contracted crew performed habitat restoration.

Visit Date: 12/19/2022 **Start Time:** 11:16 AM

Surveyors: Jason Allen

Action(s) Completed: trash pickup, dump cleanup, Weed control

Notes: Contracted crew performed trash pickup and weed control.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 12/20/2022 **Start Time:** 1:08 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, trash pickup

Notes: City staff performed weed control. Contracted crew performed weed control and trash pickup.

Visit Date: 1/4/2023 **Start Time:** 11:06 AM

Surveyors: Jason Allen

Action(s) Completed: restreveg

Notes: Contracted crew performed habitat restoration.

Visit Date: 3/3/2023 **Start Time:** 1:12 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 3/8/2023 **Start Time:** 8:46 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 3/16/2023 **Start Time:** 3:15 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Fence repair

Notes: City staff performed weed control and fence repair.

Visit Date: 3/24/2023 **Start Time:** 12:11 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, trash pickup, regularpatrolsrecommended

Notes: Contracted crew performed weed control, habitat restoration maintenance and trash pickup.

Visit Date: 4/7/2023 **Start Time:** 3:51 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew and City staff performed weed control.

Visit Date: 4/14/2023 **Start Time:** 1:34 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 4/24/2023 **Start Time:** 11:00 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching, restreveg

Notes: Contracted crew performed weed control, dethatching and revegetation.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 4/25/2023 **Start Time:** 10:09 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 4/27/2023 **Start Time:** 10:02 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 5/24/2023 **Start Time:** 2:45 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 6/7/2023 **Start Time:** 8:32 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, trash pickup, reveg restore site maint

Notes: Contracted crew performed weed control and restoration site maintenance. City staff performed trash pickup.

Visit Date: 6/13/2023 **Start Time:** 8:48 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: SANDER (U15)

Planning Unit: Central **City or Other?** City **Managing Department:** Public Utilities

VPHCP Required Management and Monitoring Level: Level 2

Qualitative Monitoring Data

Visit Date: 10/7/2022 **Start Time:** 9:00 AM

Surveyors: Charles Adams

Site Conditions:

Ponded Water: no **Days Since Last Rain:** 28 **Fairy Shrimp Visible:** absent

Listed Plants Visible? absent

New and Ongoing Issues Observed During Visit:

Trash: new **Tresspass/Unauthorized Use:** new

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: Stinkwort present on mesa

Are other issues new or ongoing?

Management Needs: Weed control, trash pickup, Regular patrols recommended, sign replacement, dethatch

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dethatch is progressing

Visit Date: 12/2/2022 **Start Time:** 9:00 AM

Surveyors: Charles Adams

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** 23 **Fairy Shrimp Visible:** absent

Listed Plants Visible? present

New and Ongoing Issues Observed During Visit:

Trash: new **Tresspass/Unauthorized Use:** new

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, sign replacement, dethatch, BMP replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stickwort (Dittrichia graveolens) presence has decreased

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: SANDER (U15)

Visit Date: 1/6/2023 **Start Time:** 9:00 AM

Surveyors: Charles Adams

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** 6 **Fairy Shrimp Visible:** present

Listed Plants Visible? present

New and Ongoing Issues Observed During Visit:

Trash: new

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, trash pickup, Regular patrols recommended, sign replacement, dethatch

Other Management Needs:

Additional Management Actions Recommended:

Notes: Supplemental irrigation recommended to be discontinued, stinkwort (Dittrichia graveolens) not observed onsite

Visit Date: 2/6/2023 **Start Time:** 9:00 AM

Surveyors: Charles Adams

Site Conditions:

Ponded Water: no **Days Since Last Rain:** 6 **Fairy Shrimp Visible:** absent

Listed Plants Visible? absent

New and Ongoing Issues Observed During Visit:

Trash: new

Damage to Fences and/or Signs:

Invasive Species in Pool: ongoing

Invasive Species in Buffer: ongoing

Other issues observed:

Are other issues new or ongoing?

Tresspass/Unauthorized Use: new

Fire or Damage from Fire Supression:

Damage from Edge Effects:

Hydrological Impacts:

Management Needs: Weed control, trash pickup, Regular patrols recommended, dethatch

Other Management Needs:

Additional Management Actions Recommended:

Notes: Tresspass from adjacent properties

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: SANDER (U15)

Visit Date: 3/27/2023 **Start Time:** 9:00 AM

Surveyors: Charles Adams

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** 3 **Fairy Shrimp Visible:** absent

Listed Plants Visible? present

New and Ongoing Issues Observed During Visit:

Trash: new **Tresspass/Unauthorized Use:** new

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, sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes: Tresspass is from biking through area

Visit Date: 4/20/2023 **Start Time:** 9:00 AM

Surveyors: Charles Adams

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** 2 **Fairy Shrimp Visible:** absent

Listed Plants Visible? present

New and Ongoing Issues Observed During Visit:

Trash: new **Tresspass/Unauthorized Use:** new

Damage to Fences and/or Signs: **Fire or Damage from Fire Supression:**

Invasive Species in Pool: new **Damage from Edge Effects:**

Invasive Species in Buffer: new **Hydrological Impacts:**

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Tresspass was by digging under fence -need to add barrier into the ground as a deterrant.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: SANDER (U15)

Visit Date: 6/1/2023 **Start Time:** 9:00 AM

Surveyors: Charles Adams

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** 26 **Fairy Shrimp Visible:** absent

Listed Plants Visible? absent

New and Ongoing Issues Observed During Visit:

Trash: new **Tresspass/Unauthorized Use:** new

Damage to Fences and/or Signs: **Fire or Damage from Fire Supression:**

Invasive Species in Pool: new **Damage from Edge Effects:**

Invasive Species in Buffer: new **Hydrological Impacts:**

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Management Actions Compeleted

Visit Date: 6/22/2023 **Start Time:** 9:00 AM

Surveyors: Jade Woll

Action(s) Completed: weeding

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Seabird Way

Planning Unit: South **City or Other?** City **Managing Department:** Parks & Recreation

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 7/19/2022 **Start Time:** 9:54 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:** 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, dethatching, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present. Stinkwort present. Button celery in many pools.

Visit Date: 11/4/2022 **Start Time:** 12:15 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: 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, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trash and annual weeds present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Seabird Way

Visit Date: 1/13/2023 **Start Time:** 3:30 PM

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: **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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present. Fairy shrimp present in ponding pools. Some trash present.

Visit Date: 4/24/2023 **Start Time:** 12:51 PM

Surveyors: Jason Allen

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: **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Seabird Way

Management Actions Compeleted

Visit Date: 11/4/2022 **Start Time:** 12:43 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, trash pickup

Notes: City staff performed weed control and trash pickup.

Visit Date: 1/25/2023 **Start Time:** 8:51 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 4/28/2023 **Start Time:** 8:50 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 7/29/2022 **Start Time:** 11:44 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: 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, Restoration/Revegetation, Fence repair, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some new trash present. Older trash present. Eucalyptus seedlings, stinkwort, russian thistle and other annual summer weeds present. Fence looks secure. Native plants looking good.

Visit Date: 9/27/2022 **Start Time:** 3:03 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: Weed control, Restoration/Revegetation, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Site secure no trespass issues. Native plant restoration looking good. Some micro trash and concrete pieces to remove.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Serra Mesa Library (N7)

Visit Date: 11/7/2022 **Start Time:** 2:54 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: **Days Since Last Rain:** 1-5 **Fairy Shrimp Visible:**

Listed Plants Visible? absent

New and Ongoing Issues Observed During Visit:

Trash: ongoing

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:

Management Needs: Weed control

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dead annual weeds and thatch present. Hole in fence needs to be patched up.

Visit Date: 12/17/2022 **Start Time:** 4:03 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

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:

Management Needs: Weed control, dethatching, Restoration/Revegetation, trash pickup, Regular patrols recommended, Grading/Recontouring, sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present. Some old trash present. Break in fence has not been used, but needs to be repaired.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Serra Mesa Library (N7)

Visit Date: 2/3/2023 **Start Time:** 3:12 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: Restoration/Revegetation, Weed control, dethatching, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Installed plants doing well. Old trash present.

Visit Date: 2/21/2023 **Start Time:** 2:53 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: **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, Restoration/Revegetation, Fence repair, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some old fence damage. Installed native plants looking great.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Serra Mesa Library (N7)

Visit Date: 4/7/2023 **Start Time:** 10:34 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, dethatching, Restoration/Revegetation, Regular patrols recommended, Fence repair

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some old trash present. Button celery present in a few pools. Fence needs repair. Site needs weed control.

Visit Date: 4/13/2023 **Start Time:** 2:24 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, dethatching, Restoration/Revegetation, trash pickup, Regular patrols recommended, Fence repair

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some trash present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Serra Mesa Library (N7)

Visit Date: 5/19/2023 **Start Time:** 11:35 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: 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, trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasess in and around pools. Some old trash present.

Visit Date: 6/16/2023 **Start Time:** 4:46 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: 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, dethatching, Restoration/Revegetation, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some new trash. Annual weeds and grasses in and around pools. Perennial weeds present around a few pools. Button celery dried up.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Serra Mesa Library (N7)

Management Actions Compeleted

Visit Date: 7/29/2022 **Start Time:** 11:13 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, trash pickup

Notes: City staff performed weed control and trash pickup.

Visit Date: 8/15/2022 **Start Time:** 9:44 AM

Surveyors: Jason Allen

Action(s) Completed: restreveg, Weed control

Notes: City staff performed habitat restoration maintenance and weed control.

Visit Date: 9/26/2022 **Start Time:** 7:39 AM

Surveyors: Jason Allen

Action(s) Completed: restreveg

Notes: City staff performed habitat restoration maintenance.

Visit Date: 1/9/2023 **Start Time:** 12:55 PM

Surveyors: Jason Allen

Action(s) Completed: restreveg, Weed control

Notes: Contracted crew performed habitat restoration and weed control.

Visit Date: 1/24/2023 **Start Time:** 8:16 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dump cleanup, trash pickup

Notes: Contracted crew performed weed control, trash pickup and dump cleanup.

Visit Date: 4/12/2023 **Start Time:** 9:20 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 5/23/2023 **Start Time:** 10:40 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 6/28/2023 **Start Time:** 12:12 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, reveg restore site maint

Notes: Contracted crew performed restoration site maintenance and weed control.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 8/23/2022 **Start Time:** 3:38 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no **Days Since Last Rain:** ≥16 **Fairy Shrimp Visible:**

Listed Plants Visible? wrong_time

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, trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dry grasses and trash present. Could not locate focal species from earlier in the year as it is too dry now.

Visit Date: 9/29/2022 **Start Time:** 10:57 AM

Surveyors: Jason Allen

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: 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, trash pickup, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some annual weeds, but mostly dry dead grasses. Some trash around. Install fence around Southern parcel. Northern site mitigation project to start 2023.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: South Otay 1 acre (J13N)

Visit Date: 12/20/2022 **Start Time:** 2:17 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: Weed control, dethatching, Restoration/Revegetation, fence install, dump cleanup, trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual grasses and weeds present throughout. Old trash present.

Visit Date: 4/7/2023 **Start Time:** 1:34 PM

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: ongoing **Tresspass/Unauthorized Use:** new

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, Regular patrols recommended, accesscontrol

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some old trash and dumps. Motorcycle track through site. Site needs fencing and more signage. Tadpoles in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: South Otay 1 acre (J13N)

Visit Date: 6/2/2023 **Start Time:** 11:14 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: 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, trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual grasses in and around pools. Located all three focal species that occur on this site.

Management Actions Compeleted

Visit Date: 9/29/2022 **Start Time:** 11:31 AM

Surveyors: Jason Allen

Action(s) Completed: trash pickup

Notes: City staff performed trash pickup.

Visit Date: 12/20/2022 **Start Time:** 2:14 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 6/9/2023 **Start Time:** 9:07 AM

Surveyors: Jason Allen

Action(s) Completed: reveg restore site maint

Notes: City staff performed restoration site maintenance.

Visit Date: 6/13/2023 **Start Time:** 3:11 PM

Surveyors: Jason Allen

Action(s) Completed: reveg restore site maint

Notes: City staff performed restoration site maintenance.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Stowe

Planning Unit: North **City or Other?** City **Managing Department:** Parks & Recreation

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 7/22/2022 **Start Time:** 9:07 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:** 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, dethatching, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trails encroaching on edge of pools. Psilocarpus and Danthanoides present. Weeds around the edges of pools.

Visit Date: 10/26/2022 **Start Time:** 3:04 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, dethatching, Restoration/Revegetation, sign install, fence install, trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Barricades used to restrict area knocked over. Some trash in one pool. Some annual weeds in surrounding area. Dead weeds and grass thatch in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Stowe

Visit Date: 2/24/2023 **Start Time:** 1:51 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:

Damage to Fences and/or Signs:

Invasive Species in Pool: ongoing

Invasive Species in Buffer: ongoing

Other issues observed:

Are other issues new or ongoing?

Tresspass/Unauthorized Use: new

Fire or Damage from Fire Supression:

Damage from Edge Effects:

Hydrological Impacts:

Management Needs: Weed control, dethatching, Restoration/Revegetation, fence install, sign install, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes: Barricades fell down. Bike tracks through pool area. Annual weeds and grasses in and around pools.

Visit Date: 6/6/2023 **Start Time:** 3:34 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: ongoing

Damage to Fences and/or Signs: new

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:

Management Needs: Weed control, dethatching, Restoration/Revegetation, Fence repair, accesscontrol, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some old trash. Access control barricade fell over. Trail goes through edge of one pool.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Stowe

Management Actions Compeleted

Visit Date: 10/26/2022 **Start Time:** 3:10 PM

Surveyors: Jason Allen

Action(s) Completed: Fence repair

Notes: Barricades used to block access were uprighted.

Visit Date: 6/6/2023 **Start Time:** 3:29 PM

Surveyors: Jason Allen

Action(s) Completed: trash pickup, accesscontrol

Notes: City staff performed trash pickup and access control.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 1/18/2023 **Start Time:** 3:48 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, dethatching, Restoration/Revegetation, sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Pools have water in them. No fairy shrimp or tadpoles present. Add signs around fenced off pools.

Visit Date: 6/30/2023 **Start Time:** 4:22 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: 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, dethatching, Restoration/Revegetation, trash pickup, sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Trash inside pool. Needs sign installation.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Tecolote Canyon (QQ)

Management Actions Compeleted

Visit Date: 6/30/2023 **Start Time:** 4:25 PM

Surveyors: Jason Allen

Action(s) Completed: trash pickup, sign install

Notes: City staff performed sign installation and trash pickup.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Topsail

Planning Unit: South **City or Other?** City **Managing Department:** Parks & Recreation

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 7/19/2022 **Start Time:** 11:30 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: 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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Otay mesa mint and button celery present in some pools. Annual weeds in and around pools.

Visit Date: 4/27/2023 **Start Time:** 2:29 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: **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: Annual weeds and grasses in and around pools. Otay mesa mint and SD button celery present in a few pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 11/4/2022 **Start Time:** 11:29 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: **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, trash pickup, dump cleanup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stinkwort present in outer buffer of vernal pool complex. Some trash present

Visit Date: 1/13/2023 **Start Time:** 10:18 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, dethatching, fence install, dump cleanup, trash pickup, sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present in and around pools. Fairy shrimp and tadpoles in some pools. Some old trash and dumps present. Some stinknet coming up.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: West Otay B (J32)

Visit Date: 3/2/2023 **Start Time:** 11:33 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: new

Damage to Fences and/or Signs:

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:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some trash present. Tadpoles in some pools.

Visit Date: 3/8/2023 **Start Time:** 9:36 AM

Surveyors: Jason 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:

Damage to Fences and/or Signs:

Invasive Species in Pool:

Invasive Species in Buffer:

Other issues observed:

Are other issues new or ongoing?

Tresspass/Unauthorized Use:

Fire or Damage from Fire Supression:

Damage from Edge Effects:

Hydrological Impacts:

Management Needs: Weed control

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: West Otay B (J32)

Visit Date: 4/28/2023 **Start Time:** 1:52 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: ongoing

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some trash present.

Management Actions Compeleted

Visit Date: 2/27/2023 **Start Time:** 8:12 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: Contracted crew performed weed control.

Visit Date: 2/28/2023 **Start Time:** 9:37 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: Contracted crew performed weed control.

Visit Date: 3/8/2023 **Start Time:** 9:48 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 11/4/2022 **Start Time:** 11:33 AM

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, trash pickup, Regular patrols recommended, sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes: Grafitti on sign. Some trash present. Dead annual weeds and thatch present around pools and buffer.

Visit Date: 1/13/2023 **Start Time:** 10:03 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: **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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present in and around pools. Fairy shrimp and tadpoles in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: West Otay C (J32)

Visit Date: 3/2/2023 **Start Time:** 12:05 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:

Damage to Fences and/or Signs:

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:

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

Visit Date: 3/8/2023 **Start Time:** 8:12 AM

Surveyors: Jason 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:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: West Otay C (J32)

Visit Date: 4/28/2023 **Start Time:** 2:08 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: **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:

Notes: Annual weeds and grasses in and around pools. Some old trash present.

Visit Date: 5/26/2023 **Start Time:** 2:41 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: **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: Annual weeds and grasses in and around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: West Otay C (J32)

Management Actions Compeleted

Visit Date: 3/2/2023 **Start Time:** 12:02 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control.

Visit Date: 3/8/2023 **Start Time:** 7:48 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, dethatching

Notes: Contracted crew performed weed control and dethatching.

Visit Date: 4/28/2023 **Start Time:** 3:17 PM

Surveyors: Jason Allen

Action(s) Completed: sign install

Notes: City staff performed sign installation.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 12/13/2022 **Start Time:** 9:20 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: 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, dethatching, Restoration/Revegetation, fence install, sign install, trash pickup, dump cleanup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Weeds present in and around pools. Old glass and concrete chunks present. Pools need to be fenced off and signage added.

Visit Date: 1/25/2023 **Start Time:** 12:58 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:** new

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, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Illegal trespass through vernal pools with bicycle. Some old illegally dumped trash and concrete.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Winterwood (C10-16)

Management Actions Compeleted

Visit Date: 2/13/2023 **Start Time:** 8:45 AM

Surveyors: Jason Allen

Action(s) Completed: fence install, sign install

Notes: Contracted crew performed fence and sign installation.

Visit Date: 2/14/2023 **Start Time:** 11:27 AM

Surveyors: Jason Allen

Action(s) Completed: fence install

Notes: Contracted crew performing fence installation.

Visit Date: 2/21/2023 **Start Time:** 9:18 AM

Surveyors: Jason Allen

Action(s) Completed: fence install, sign install, dump cleanup

Notes: Contracted crew performed fence installation, sign installation and dump clean up.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

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: 9/29/2022 **Start Time:** 1:21 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: 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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some old dump trash present. Dead annual weeds and thatch. Northern fence needs repair and a gate added.

Visit Date: 4/27/2023 **Start Time:** 12:19 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: 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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses in and around pools. Some old trash.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Arjons

Planning Unit: North **City or Other?** Other **Managing Department:**

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 8/30/2022 **Start Time:** 4:26 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no **Days Since Last Rain:** ≥16 **Fairy Shrimp Visible:**

Listed Plants Visible? wrong_time

New and Ongoing Issues Observed During Visit:

Trash: ongoing **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, dump cleanup, trash pickup, Regular patrols recommended, Weed control, dethatching, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dump along East side. Fence broken along Arjons. Invasive plants along SE corner.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: East Ocean Air Drive (H33)

Planning Unit: North **City or Other?** Other **Managing Department:**

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 2/21/2023 **Start Time:** 12:21 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: new **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, dethatching, Restoration/Revegetation, fence install, sign install, trash pickup, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual and perennial weeds in and around the pools. Pool locations are difficult to identify so assumed the low spots. Some trash in the pools. Possible road through one pool assuming the GPS data is accurate.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Empire Center (J27)

Planning Unit: South **City or Other?** Other **Managing Department:**

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 8/10/2022 **Start Time:** 11:06 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:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes: Site is intact and undisturbed.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Facilities Development (Eastgate Miramar Associates) (I6C)

Planning Unit: North **City or Other?** Other **Managing Department:**

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 8/30/2022 **Start Time:** 4:45 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no **Days Since Last Rain:** ≥16 **Fairy Shrimp Visible:**

Listed Plants Visible? wrong_time

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trash within fence area. Pampas grass on SW corner. Annual weeds and grasses throughout.

Visit Date: 12/12/2022 **Start Time:** 12:19 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** 0 **Fairy Shrimp Visible:** wrong_time

Listed Plants Visible? wrong_time

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trash inside fenced area. Weeds and thatch present. Pampas grass on Western edge. Fence looks secure.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Fieldstone (C17-18)

Planning Unit: North **City or Other?** Other **Managing Department:**

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 12/13/2022 **Start Time:** 8:24 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** 0 **Fairy Shrimp Visible:** wrong_time

Listed Plants Visible? wrong_time

New and Ongoing Issues Observed During Visit:

Trash:

Damage to Fences and/or Signs:

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:

Management Needs: Weed control, dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some weeds and thatch present. Eucalyptus trees around perimeter of property. No trash noticed. Fences look secure.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2023

Complex Name: Ford Leasing (Bob Baker) (I6B)

Planning Unit: North **City or Other?** Other **Managing Department:**

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 1/18/2023 **Start Time:** 3:14 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes **Days Since Last Rain:** 1-5 **Fairy Shrimp Visible:**

Listed Plants Visible?

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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Annual weeds and grasses present in and around pools. Perennial weeds around pools. Trash within fence and pools. Some pools have water in them.

Appendix B-2

2023 Vernal Pool Quantitative Monitoring Datasheets

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 09:15 AM **Survey End Time:** 10:09 AM

Surveyors: Sara Allen, Adam Skinner

VPHCP Covered Species Present: 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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 15

Other Native Species in Pool:

Species Name	Cover
Bergia texana - Texas bergia	<1%
Callitriche marginata - winged water-starwort	<1%
Deinandra fasciculata - fascicled tarweed	5-10%
Deschampsia danthonioides - annual hair grass	1-5%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	<1%
Lysimachia minima - chaffweed	<1%
Navarretia hamata - hooked skunkweed	<1%
Pilularia americana - American pillwort	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Simmondsia chinensis - jojoba	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Polypogon monspeliensis - rabbitfoot grass	1-5%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 4

Additional Information:

Bare Ground Cover in Basin: 50-75% **Cover of Rocks/Cobble in Basin:** 10-25% **Cover of Litter in Basin:** 1-5%

Days Since Last Rain: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool: Dittrichia graveolns was observed last year

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 42

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Amsinckia intermedia - common fiddleneck
Antirrhinum nuttallianum - Nuttall's Snapdragon
Artemisia californica - California sagebrush
Baccharis pilularis - coyote brush
Bahiopsis laciniata - San Diego viguiera
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Deinandra fasciculata - fascicled tarweed
Dittrichia graveolens - stinkwort
Eleocharis macrostachya - pale spike-rush
Encelia californica - California encelia
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Galium aparine - goose grass
Lactuca serriola - prickly lettuce
Lamarckia aurea - golden-top
Logfia gallica - daggerleaf cottonrose
Navarretia hamata - hooked skunkweed
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium stramineum - cotton-batting plant
Schismus barbatus - Mediterranean schismus
Selaginella cinerascens - ashy spike-moss
Simmondsia chinensis - jojoba
Sisyrinchium bellum - western blue-eyed-grass
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 08:47 AM **Survey End Time:** 12:00 AM

Surveyors: Ryan Meszaros, Alec Goodman

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%

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Baccharis sarothroides - broom baccharis	<1%
Callitriche marginata - winged water-starwort	1-5%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	1-5%
Eleocharis macrostachya - pale spike-rush	<1%
Epilobium campestre - smooth boisduvalia	1-5%
Pilularia americana - American pillwort	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	5-10%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Polypogon monspeliensis - rabbitfoot grass	50-75%

Cover of Nonnative Species in Basin: 50-75% **Nonnative Species Richness in Basin:** 1

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 51

2023 Quantitative Monitoring Data continued

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

Species Name
Amaranthus albus - tumbleweed
Amsinckia sp.
Antirrhinum nuttallianum - Nuttall's Snapdragon
Artemisia californica - California sagebrush
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dittrichia graveolens - stinkwort
Eleocharis macrostachya - pale spike-rush
Encelia californica - California encelia
Epilobium campestre - smooth boisduvalia
Eriogonum fasciculatum - California buckwheat
Erodium sp.
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Gamochaeta stagnalis - desert cudweed
Glebionis coronaria - crown daisy
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Navarretia fossalis - spreading navarretia
Navarretia hamata - hooked skunkweed
Phalaris sp.
Pogogyne nudiuscula - Otay mesa mint
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium californicum - California everlasting
Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Ricinus communis - castor bean
Schismus barbatus - Mediterranean schismus
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Zeltnera venusta - California centaury

Notes: Polypogon is a big problem in this pool

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 03:08 PM **Survey End Time:** 03:33 PM

Surveyors: Sara Allen, Adam Skinner

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:** 5-10%

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 8

Other Native Species in Pool:

Species Name	Cover
Baccharis pilularis - coyote brush	1-5%
Cylindropuntia prolifera - coast cholla	<1%
Deschampsia danthonioides - annual hair grass	1-5%
Muhlenbergia sp. - muhly species	<1%
Navarretia hamata - hooked skunkweed	<1%
Sisyrinchium bellum - western blue-eyed-grass	1-5%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	1-5%
Bromus rubens - red brome	1-5%
Centaurea melitensis - tocalote	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Festuca perennis - rye grass	<1%
Gastridium phleoides - nit grass	1-5%
Lysimachia arvensis - scarlet pimpernel	10-25%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 25-50% **Nonnative Species Richness in Basin:** 8

Additional Information:

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: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 67

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Brachypodium distachyon - purple false brome
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Euphorbia misera - cliff spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Laennecia coulteri - Coulter's horseweed
Lysimachia arvensis - scarlet pimpernel
Navarretia hamata - hooked skunkweed
Phalaris minor - little-seeded canary grass
Pseudognaphalium stramineum - cotton-batting plant
Simmondsia chinensis - jojoba
Sisyrinchium bellum - western blue-eyed-grass
Sonchus asper ssp. *asper* - prickly sow thistle
Stephanomeria sp.
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 03:49 PM **Survey End Time:** 04:46 PM

Surveyors: Ryan Meszaros, Alec Goodman

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:** 5-10%

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Bergia texana - Texas bergia	<1%
Callitriche marginata - winged water-starwort	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Eleocharis macrostachya - pale spike-rush	10-25%
Epilobium campestre - smooth boisduvalia	1-5%
Heliotropium curassavicum var. *oculatum* - seaside heliotrope	<1%
Juncus bufonius - toad rush	<1%
Marsilea vestita - hairy waterclover	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%

Nonnative Species in Pool:

Species Name	Cover
Beta vulgaris ssp. *maritima* - sea beet	1-5%
Bromus hordeaceus - soft chess	<1%
Bromus rubens - red brome	1-5%
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	<1%
Lactuca serriola - prickly lettuce	<1%
Lythrum hyssopifolia - grass poly	1-5%
Phalaris minor - little-seeded canary grass	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 10

Additional Information:

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: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool: Callitriche cover likely higher earlier in season

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 78

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Amsinckia sp.
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Brachypodium distachyon - purple false brome
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Callitriche marginata - winged water-starwort
Chenopodium murale - nettle-leaf goosefoot
Cylindropuntia californica var. *californica* - snake cholla
Cylindropuntia prolifera - coast cholla
Cynodon dactylon - Bermuda grass
Deinandra fasciculata - fascicled tarweed
Encelia californica - California encelia
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Hainardia cylindrica - barb grass
Lactuca serriola - prickly lettuce
Lysimachia arvensis - scarlet pimpernel
Mesembryanthemum nodiflorum - slender-leaved iceplant
Mirabilis laevis var. *crassifolia* - wishbone bush
Navarretia hamata - hooked skunkweed
Pseudognaphalium luteoalbum - fragrant everlasting cudweed
Rhus integrifolia - lemonade berry
Rosa minutifolia - small-leaved rose
Schismus barbatus - Mediterranean schismus
Selaginella cinerascens - ashy spike-moss
Simmondsia chinensis - jojoba
Sisyrinchium bellum - western blue-eyed-grass
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 03:15 PM **Survey End Time:** 03:41 PM

Surveyors: Ryan Meszaros, Alec Goodman

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:** 5-10%

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 4

Other Native Species in Pool:

Species Name	Cover
Deschampsia danthonioides - annual hair grass	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	1-5%
Bromus rubens - red brome	1-5%
Festuca myuros - rattail sixweeks grass	5-10%
Festuca perennis - rye grass	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 25-50% **Nonnative Species Richness in Basin:** 6

Additional Information:

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: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 89

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon micranthus - Grab Lotus
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Avena fatua - wild oat
Bahiopsis laciniata - San Diego viguiera
Beta vulgaris ssp. *maritima* - sea beet
Brassica nigra - black mustard
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Dittrichia graveolens - stinkwort
Eriogonum fasciculatum - California buckwheat
Erodium brachycarpum - short-beak filaree/storksbill
Eryngium aristulatum var. *parishii* - San Diego button-celery
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Lysimachia arvensis - scarlet pimpernel
Mesembryanthemum nodiflorum - slender-leaved iceplant
Navarretia hamata - hooked skunkweed
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed
Rosa minutifolia - small-leaved rose
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa lepida - foothill needle grass
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 03:42 PM **Survey End Time:** 04:15 PM

Surveyors: Sara Allen, Adam Skinner

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:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 12

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	1-5%
Deschampsia danthonioides - annual hair grass	1-5%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	10-25%
Juncus bufonius - toad rush	<1%
Lysimachia minima - chaffweed	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Plantago elongata - prairie plantain	<1%
Sisyrinchium bellum - western blue-eyed-grass	<1%
Stipa pulchra - purple needle grass	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	1-5%
Bromus rubens - red brome	<1%
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	<1%
Gastridium phleoides - nit grass	<1%
Juncus bufonius var. *congestus* - clustered toad rush	<1%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 7

Additional Information:

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: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 96

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cryptantha sp.
Cylindropuntia prolifera - coast cholla
Cynodon dactylon - Bermuda grass
Deschampsia danthonioides - annual hair grass
Eriogonum fasciculatum - California buckwheat
Erodium sp.
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Juncus bufonius - toad rush
Lactuca serriola - prickly lettuce
Laennecia coulteri - Coulter's horseweed
Lysimachia arvensis - scarlet pimpernel
Lysimachia minima - chaffweed
Mesembryanthemum crystallinum - crystalline iceplant
Mesembryanthemum nodiflorum - slender-leaved iceplant
Navarretia hamata - hooked skunkweed
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium stramineum - cotton-batting plant
Rhus integrifolia - lemonade berry
Rosa minutifolia - small-leaved rose
Stipa lepida - foothill needle grass
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/20/2023 **Survey Start Time:** 11:59 AM **Survey End Time:** 01:01 PM

Surveyors: Adam Skinner, Nathan Taylor

VPHCP Covered Species Present: NAFO,ERAR

Cover of ERAR in Basin: 25-50% **Cover of NAFO in Basin:** <1% **Cover of ORCA in Basin:**

Cover of POAB in Basin: **Cover of PONU in Basin:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 17

Other Native Species in Pool:

Species Name	Cover
Bergia texana - Texas bergia	<1%
Callitriche marginata - winged water-starwort	<1%
Cylindropuntia prolifera - coast cholla	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	5-10%
Epilobium campestre - smooth boisduvalia	5-10%
Lysimachia minima - chaffweed	<1%
Marsilea vestita - hairy waterclover	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Simmondsia chinensis - jojoba	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Amaranthus albus - tumbleweed	<1%
Bromus hordeaceus - soft chess	1-5%
Bromus madritensis - foxtail chess	1-5%
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	<1%
Juncus bufonius var. *congestus* - clustered toad rush	<1%
Lactuca serriola - prickly lettuce	<1%
Lythrum hyssopifolia - grass poly	1-5%
Polypogon monspeliensis - rabbitfoot grass	1-5%
Schismus barbatus - Mediterranean schismus	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 11

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 100

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 100

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon micranthus - Grab Lotus
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Baccharis salicifolia - mule fat
Bergia texana - Texas bergia
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cryptantha intermedia var. *intermedia* - common cryptantha
Cylindropuntia prolifera - coast cholla
Distichlis spicata - salt grass
Elatine brachysperma - short-seed waterwort
Encelia californica - California encelia
Epilobium campestre - smooth boisduvalia
Erigeron canadensis - horseweed
Erodium brachycarpum - short-beak filaree/storksbill
Erodium cicutarium - redstem filaree
Erodium sp.
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Hirschfeldia incana - short-pod mustard
Juncus bufonius var. *congestus* - clustered toad rush
Lactuca serriola - prickly lettuce
Laennecia coulteri - Coulter's horseweed
Lysimachia arvensis - scarlet pimpernel
Lysimachia minima - chaffweed
Lythrum hyssopifolia - grass poly
Mesembryanthemum crystallinum - crystalline iceplant
Mesembryanthemum nodiflorum - slender-leaved iceplant
Navarretia hamata - hooked skunkweed
Opuntia littoralis - coast prickly-pear
Polypogon monspeliensis - rabbitfoot grass
Rhus integrifolia - lemonade berry
Schismus barbatus - Mediterranean schismus
Simmondsia chinensis - jojoba
Solanum americanum - white nightshade
Sonchus asper ssp. *asper* - prickly sow thistle

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 100

Spergularia sp.
Stipa lepida - foothill needle grass
Yucca schidigera - Mojave yucca
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/20/2023 **Survey Start Time:** 01:40 PM **Survey End Time:** 02:38 PM

Surveyors: Adam skinner, Nathan Taylor

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:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 10

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	10-25%
Epilobium campestre - smooth boisduvalia	5-10%
Pilularia americana - American pillwort	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Triglochin scilloides - flowering-quillwort	1-5%

Nonnative Species in Pool:

Species Name	Cover
Bromus madritensis - foxtail chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	1-5%
Lactuca serriola - prickly lettuce	<1%
Lythrum hyssopifolia - grass poly	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 7

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 295

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia dracunculus - tarragon
Atriplex pacifica - south coast saltscale
Brassica nigra - black mustard
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Cylindropuntia californica var. *californica* - snake cholla
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Elatine brachysperma - short-seed waterwort
Eleocharis macrostachya - pale spike-rush
Encelia californica - California encelia
Epilobium campestre - smooth boisduvalia
Erodium cicutarium - redstem filaree
Erodium sp.
Euphorbia maculata - spotted spurge
Euphorbia sp.
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gamochaeta stagnalis - desert cudweed
Hirschfeldia incana - short-pod mustard
Lactuca serriola - prickly lettuce
Laennecia coulteri - Coulter's horseweed
Lysimachia arvensis - scarlet pimpernel
Malosma laurina - laurel sumac
Melilotus indicus - annual yellow sweetclover
Mesembryanthemum crystallinum - crystalline iceplant
Opuntia littoralis - coast prickly-pear
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium sp.
Rhus integrifolia - lemonade berry
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/31/2023 **Survey Start Time:** 09:15 AM **Survey End Time:** 10:13 AM

Surveyors: Adam Skinner, Nathan Taylor, Sara Allen, Perla Ochoa

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:** 25-50%

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 12

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	<1%
Deinandra fasciculata - fascicled tarweed	5-10%
Deschampsia danthonioides - annual hair grass	1-5%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Plantago elongata - prairie plantain	<1%
Plantago erecta - dot-seed plantain	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	10-25%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Bromus madritensis - foxtail chess	<1%
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	<1%
Gastridium phleoides - nit grass	1-5%
Hainardia cylindrica - barb grass	<1%
Lactuca serriola - prickly lettuce	<1%
Logfia gallica - daggerleaf cottonrose	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 10

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 301

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Antirrhinum nuttallianum - Nuttall's Snapdragon
Artemisia californica - California sagebrush
Atriplex canescens - four-wing saltbush
Bahiopsis laciniata - San Diego viguiera
Beta vulgaris ssp. *maritima* - sea beet
Brachypodium distachyon - purple false brome
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Encelia californica - California encelia
Erodium brachycarpum - short-beak filaree/storksbill
Erodium cicutarium - redstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Hainardia cylindrica - barb grass
Hypochaeris glabra - smooth cat's-ear
Lactuca serriola - prickly lettuce
Lamarckia aurea - golden-top
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Mesembryanthemum crystallinum - crystalline iceplant
Mirabilis laevis var. *crassifolia* - wishbone bush
Navarretia hamata - hooked skunkweed
Plantago erecta - dot-seed plantain
Pogogyne nudiuscula - Otay mesa mint
Pseudognaphalium stramineum - cotton-batting plant
Rhus integrifolia - lemonade berry
Salsola tragus - Russian thistle
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 301

Sonchus oleraceus - common sow thistle
Stipa lepida - foothill needle grass
Stipa pulchra - purple needle grass

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/31/2023 **Survey Start Time:** 10:23 AM **Survey End Time:** 11:44 AM

Surveyors: Sara Allen, Perla Ochoa

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

Cover of ERAR in Basin: 1-5% **Cover of NAFO in Basin:** <1% **Cover of ORCA in Basin:** <1%

Cover of POAB in Basin: **Cover of PONU in Basin:** 25-50%

Cover of Native Species in Basin: >75% **Native Species Richness in Basin:** 14

Other Native Species in Pool:

Species Name	Cover
Artemisia californica - California sagebrush	<1%
Callitriche marginata - winged water-starwort	<1%
Deinandra fasciculata - fascicled tarweed	5-10%
Deschampsia danthonioides - annual hair grass	1-5%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	5-10%
Juncus bufonius - toad rush	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	25-50%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	1-5%
Bromus madritensis - foxtail chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Gastridium phleoides - nit grass	<1%
Hainardia cylindrica - barb grass	<1%
Lysimachia arvensis - scarlet pimpernel	1-5%
Lythrum hyssopifolia - grass poly	1-5%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 9

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 445

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cylindropuntia californica var. *californica* - snake cholla
Cylindropuntia prolifera - coast cholla
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Erodium cicutarium - redstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Hainardia cylindrica - barb grass
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Mirabilis laevis var. *crassifolia* - wishbone bush
Navarretia hamata - hooked skunkweed
Phalaris minor - little-seeded canary grass
Rosa minutifolia - small-leaved rose
Silene gallica - windmill pink
Simmondsia chinensis - jojoba
Sisyrinchium bellum - western blue-eyed-grass
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stephanomeria diegensis - San Diego wreath-plant
Stipa pulchra - purple needle grass
Stipa sp.
Yucca schidigera - Mojave yucca
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/31/2023 **Survey Start Time:** 10:30 AM **Survey End Time:** 11:25 AM

Surveyors: Adam Skinner, Nathan Taylor

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	<1%
Deinandra fasciculata - fascicled tarweed	5-10%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	5-10%
Juncus bufonius - toad rush	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Stipa pulchra - purple needle grass	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	1-5%
Bromus madritensis - foxtail chess	<1%
Erodium cicutarium - redstem filaree	<1%
Hainardia cylindrica - barb grass	<1%
Lythrum hyssopifolia - grass poly	1-5%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 7

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 447

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Beta vulgaris ssp. *maritima* - sea beet
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cylindropuntia prolifera - coast cholla
Cynodon dactylon - Bermuda grass
Deinandra fasciculata - fascicled tarweed
Encelia californica - California encelia
Epilobium campestre - smooth boisduvalia
Eriogonum fasciculatum - California buckwheat
Erodium cicutarium - redstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Lactuca serriola - prickly lettuce
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Simmondsia chinensis - jojoba
Sisyrinchium bellum - western blue-eyed-grass
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/31/2023 **Survey Start Time:** 12:50 PM **Survey End Time:** 01:41 PM

Surveyors: Adam Skinner, Nathan Taylor

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%

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	<1%
Juncus bufonius - toad rush	<1%
Navarretia hamata - hooked skunkweed	<1%
Plantago erecta - dot-seed plantain	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%

Nonnative Species in Pool:

Species Name	Cover
Avena barbata - slender wild oat	<1%
Beta vulgaris ssp. *maritima* - sea beet	<1%
Bromus hordeaceus - soft chess	25-50%
Bromus madritensis - foxtail chess	1-5%
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	<1%
Logfia gallica - daggerleaf cottonrose	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 25-50% **Nonnative Species Richness in Basin:** 10

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 449

2023 Quantitative Monitoring Data continued

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

Species Name
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Atriplex canescens - four-wing saltbush
Avena barbata - slender wild oat
Bahiopsis laciniata - San Diego viguiera
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Calochortus splendens - splendid mariposa lily
Centaurea melitensis - tocalote
Chenopodium murale - nettle-leaf goosefoot
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Erodium moschatum - greenstem filaree
Erodium sp.
Eryngium aristulatum var. *parishii* - San Diego button-celery
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Hedypnois rhagadioloides - crete weed
Hypochaeris glabra - smooth cat's-ear
Isocoma menziesii - coastal goldenbush
Juncus bufonius - toad rush
Logfia gallica - daggerleaf cottonrose
Mirabilis laevis var. *crassifolia* - wishbone bush
Phacelia cicutaria - caterpillar phacelia
Plagiobothrys acanthocarpus - adobe popcornflower
Plantago erecta - dot-seed plantain
Pogogyne nudiuscula - Otay mesa mint
Rhus integrifolia - lemonade berry
Selaginella cinerascens - ashy spike-moss
Silene gallica - windmill pink
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stephanomeria diegensis - San Diego wreath-plant
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/31/2023 **Survey Start Time:** 01:29 PM **Survey End Time:** 01:44 PM

Surveyors: Sara Allen, Perla Ochoa

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%

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 10

Other Native Species in Pool:

Species Name	Cover
Baccharis sarothroides - broom baccharis	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Navarretia hamata - hooked skunkweed	<1%
Plagiobothrys acanthocarpus - adobe popcornflower	<1%
Plantago elongata - prairie plantain	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	1-5%
Bromus madritensis - foxtail chess	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Lactuca serriola - prickly lettuce	<1%
Lamarckia aurea - golden-top	<1%
Logfia gallica - daggerleaf cottonrose	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 9

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 450

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Atriplex pacifica - south coast saltscale
Bahiopsis laciniata - San Diego viguiera
Brachypodium distachyon - purple false brome
Brassica nigra - black mustard
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Cylindropuntia californica var. *californica* - snake cholla
Deinandra fasciculata - fascicled tarweed
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Erodium brachycarpum - short-beak filaree/storksbill
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Festuca myuros - rattail sixweeks grass
Hedypnois rhagadioloides - crete weed
Lactuca serriola - prickly lettuce
Lamarckia aurea - golden-top
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Mammillaria dioica - fish-hook cactus
Mesembryanthemum crystallinum - crystalline iceplant
Navarretia hamata - hooked skunkweed
Peritoma arborea - bladderpod
Phacelia cicutaria - caterpillar phacelia
Plantago erecta - dot-seed plantain
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed
Salsola tragus - Russian thistle
Silene gallica - windmill pink
Simmondsia chinensis - jojoba
Sisyrinchium bellum - western blue-eyed-grass
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa lepida - foothill needle grass

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/31/2023 **Survey Start Time:** 02:37 PM **Survey End Time:** 02:53 PM

Surveyors: Sara Allen, Perla Ochoa

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%

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 8

Other Native Species in Pool:

Species Name	Cover
Bergia texana - Texas bergia	10-25%
Convolvulus simulans - small-flowered morning-glory	<1%
Deinandra conjugens - Otay tarplant	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	<1%

Nonnative Species in Pool:

Species Name	Cover
Brassica nigra - black mustard	1-5%
Bromus hordeaceus - soft chess	5-10%
Bromus rubens - red brome	<1%
Erodium cicutarium - redstem filaree	1-5%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	<1%
Medicago polymorpha - California burclover	<1%
Melilotus indicus - annual yellow sweetclover	<1%
Phalaris minor - little-seeded canary grass	1-5%
Sonchus asper ssp. *asper* - prickly sow thistle	1-5%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 10

Additional Information:

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:** yes

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 451

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Beta vulgaris ssp. *maritima* - sea beet
Brassica nigra - black mustard
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cylindropuntia prolifera - coast cholla
Deinandra conjugens - Otay tarplant
Deinandra fasciculata - fascicled tarweed
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Festuca myuros - rattail sixweeks grass
Glebionis coronaria - crown daisy
Grindelia camporum - gumplant
Hedypnois rhagadioloides - crete weed
Hypochaeris glabra - smooth cat's-ear
Lycium andersonii - Anderson's desert thorn
Melilotus indicus - annual yellow sweetclover
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed
Silene gallica - windmill pink
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/31/2023 **Survey Start Time:** 02:12 PM **Survey End Time:** 03:09 PM

Surveyors: Adam Skinner, Nathan Taylor , Jason Allen

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:** 1-5%

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 12

Other Native Species in Pool:

Species Name	Cover
Deinandra conjugens - Otay tarplant	<1%
Deinandra fasciculata - fascicled tarweed	5-10%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Hordeum intercedens - bobtail barley	<1%
Juncus bufonius - toad rush	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	5-10%
Triglochin scilloides - flowering-quillwort	1-5%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Beta vulgaris ssp. *maritima* - sea beet	<1%
Bromus hordeaceus - soft chess	<1%
Bromus madritensis - foxtail chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	1-5%
Gastridium phleoides - nit grass	<1%
Lamarckia aurea - golden-top	<1%
Lythrum hyssopifolia - grass poly	<1%
Parapholis incurva - sicklegrass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 11

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 452

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Beta vulgaris ssp. *maritima* - sea beet
Brachypodium distachyon - purple false brome
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Convolvulus simulans - small-flowered morning-glory
Crassula connata - pygmy-weed
Cylindropuntia californica var. *californica* - snake cholla
Cylindropuntia prolifera - coast cholla
Deinandra conjugens - Otay tarplant
Deinandra fasciculata - fascicled tarweed
Encelia californica - California encelia
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Eryngium aristulatum var. *parishii* - San Diego button-celery
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Glebionis coronaria - crown daisy
Hedypnois rhagadioloides - crete weed
Juncus bufonius - toad rush
Lactuca serriola - prickly lettuce
Lamarckia aurea - golden-top
Lepidium nitidum - shining peppergrass
Logfia gallica - daggerleaf cottonrose
Lycium andersonii - Anderson's desert thorn
Lythrum hyssopifolia - grass poly
Phacelia cicutaria - caterpillar phacelia
Plantago erecta - dot-seed plantain
Schismus barbatus - Mediterranean schismus
Simmondsia chinensis - jojoba
Sisyrinchium bellum - western blue-eyed-grass
Sonchus asper ssp. *asper* - prickly sow thistle

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 452

Sonchus oleraceus - common sow thistle
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/1/2023 **Survey Start Time:** 10:24 AM **Survey End Time:** 11:41 AM

Surveyors: Sara Allen, Adam Skinner

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:**

Cover of Native Species in Basin: 5-10% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Deinandra fasciculata - fascicled tarweed	1-5%
Elatine brachysperma - short-seed waterwort	1-5%
Eleocharis macrostachya - pale spike-rush	1-5%
Eriogonum fasciculatum - California buckwheat	<1%
Juncus bufonius - toad rush	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Triglochin scilloides - flowering-quillwort	5-10%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Avena barbata - slender wild oat	<1%
Beta vulgaris ssp. *maritima* - sea beet	<1%
Bromus hordeaceus - soft chess	1-5%
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	<1%
Lysimachia arvensis - scarlet pimpernel	1-5%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	1-5%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 10

Additional Information:

Bare Ground Cover in Basin: 50-75% **Cover of Rocks/Cobble in Basin:** 25-50% **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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 459

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Avena barbata - slender wild oat
Bahiopsis laciniata - San Diego viguiera
Bergerocactus emoryi - golden-spined cereus
Beta vulgaris ssp. *maritima* - sea beet
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cylindropuntia californica var. *californica* - snake cholla
Cylindropuntia prolifera - coast cholla
Deinandra conjugens - Otay tarplant
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Elatine brachysperma - short-seed waterwort
Eleocharis macrostachya - pale spike-rush
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Erodium brachycarpum - short-beak filaree/storksbill
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Hedypnois rhagadioloides - crete weed
Juncus bufonius - toad rush
Lactuca serriola - prickly lettuce
Lamarckia aurea - golden-top
Logfia gallica - daggerleaf cottonrose
Lycium andersonii - Anderson's desert thorn
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Myosurus minimus ssp. *apus* - little mouse tail
Navarretia hamata - hooked skunkweed
Opuntia littoralis - coast prickly-pear
Pogogyne nudiuscula - Otay mesa mint
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed
Polypogon monspeliensis - rabbitfoot grass

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 459

Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/1/2023 **Survey Start Time:** 09:00 AM **Survey End Time:** 10:15 AM

Surveyors: Sara Allen, Adam Skinner

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:** 1-5%

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Baccharis sarothroides - broom baccharis	<1%
Bergia texana - Texas bergia	25-50%
Convolvulus simulans - small-flowered morning-glory	<1%
Cylindropuntia prolifera - coast cholla	<1%
Deinandra conjugens - Otay tarplant	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	1-5%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%

Nonnative Species in Pool:

Species Name	Cover
Beta vulgaris ssp. *maritima* - sea beet	<1%
Bromus hordeaceus - soft chess	5-10%
Centaurea melitensis - tocalote	1-5%
Dittrichia graveolens - stinkwort	<1%
Erodium brachycarpum - short-beak filaree/storksbill	<1%
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lactuca serriola - prickly lettuce	<1%
Lysimachia arvensis - scarlet pimpernel	5-10%
Lythrum hyssopifolia - grass poly	1-5%
Medicago polymorpha - California burclover	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%
Senecio vulgaris - common groundsel	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	5-10%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 15

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 464

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 464

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon micranthus - Grab Lotus
Ambrosia chenopodiifolia - San Diego bur-sage
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Beta vulgaris ssp. *maritima* - sea beet
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Convolvulus simulans - small-flowered morning-glory
Crassula connata - pygmy-weed
Croton setiger - doveweed
Cylindropuntia prolifera - coast cholla
Deinandra conjugens - Otay tarplant
Deinandra fasciculata - fascicled tarweed
Dicranostegia orcuttiana - Orcutt's bird's-beak
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Erodium brachycarpum - short-beak filaree/storksbill
Erodium cicutarium - redstem filaree
Erodium moschatum - greenstem filaree
Euphorbia maculata - spotted spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Lactuca serriola - prickly lettuce
Lycium andersonii - Anderson's desert thorn
Lysimachia arvensis - scarlet pimpernel
Opuntia littoralis - coast prickly-pear
Rhus integrifolia - lemonade berry
Schismus barbatus - Mediterranean schismus
Senecio vulgaris - common groundsel
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stipa lepida - foothill needle grass
Zeltnera venusta - California centaury

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 464

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/1/2023 **Survey Start Time:** 08:58 AM **Survey End Time:** 10:02 AM

Surveyors: Perla Ochoa, Nathan Taylor

VPHCP Covered Species Present: PONU,ERAR,NAFO

Cover of ERAR in Basin: 5-10% **Cover of NAFO in Basin:** <1% **Cover of ORCA in Basin:**

Cover of POAB in Basin: **Cover of PONU in Basin:** 5-10%

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 12

Other Native Species in Pool:

Species Name	Cover
Baccharis sarothroides - broom baccharis	<1%
Bergia texana - Texas bergia	<1%
Cylindropuntia prolifera - coast cholla	<1%
Deinandra conjugens - Otay tarplant	10-25%
Deinandra fasciculata - fascicled tarweed	10-25%
Deschampsia danthonioides - annual hair grass	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	10-25%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus diandrus - ripgut grass	<1%
Bromus hordeaceus - soft chess	1-5%
Bromus madritensis - foxtail chess	<1%
Dittrichia graveolens - stinkwort	<1%
Festuca myuros - rattail sixweeks grass	<1%
Helminthotheca echioides - bristly ox-tongue	<1%
Lactuca serriola - prickly lettuce	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	<1%
Medicago polymorpha - California burclover	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 13

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 471

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 471

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Avena barbata - slender wild oat
Bahiopsis laciniata - San Diego viguiera
Beta vulgaris ssp. *maritima* - sea beet
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cryptantha intermedia var. *intermedia* - common cryptantha
Cylindropuntia prolifera - coast cholla
Deinandra conjugens - Otay tarplant
Deinandra fasciculata - fascicled tarweed
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Erodium moschatum - greenstem filaree
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Lactuca serriola - prickly lettuce
Lycium andersonii - Anderson's desert thorn
Lysimachia arvensis - scarlet pimpernel
Malosma laurina - laurel sumac
Phalaris sp.
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed
Pseudognaphalium californicum - California everlasting
Rhus integrifolia - lemonade berry
Schismus barbatus - Mediterranean schismus
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stipa pulchra - purple needle grass
Yucca schidigera - Mojave yucca

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/1/2023 **Survey Start Time:** 10:09 AM **Survey End Time:** 11:02 AM

Surveyors: Nathan Taylor, Perla Ochoa

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:** 10-25%

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 10

Other Native Species in Pool:

Species Name	Cover
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	<1%
Juncus bufonius - toad rush	1-5%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	1-5%
Bromus madritensis - foxtail chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Helminthotheca echioides - bristly ox-tongue	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	<1%
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 9

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 473

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Antirrhinum nuttallianum - Nuttall's Snapdragon
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Bergerocactus emoryi - golden-spined cereus
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Juncus bufonius - toad rush
Logfia gallica - daggerleaf cottonrose
Lycium andersonii - Anderson's desert thorn
Navarretia hamata - hooked skunkweed
Pogogyne nudiuscula - Otay mesa mint
Pseudognaphalium californicum - California everlasting
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Selaginella cinerascens - ashy spike-moss
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stipa lepida - foothill needle grass
Stipa pulchra - purple needle grass
Yucca schidigera - Mojave yucca
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/1/2023 **Survey Start Time:** 11:27 AM **Survey End Time:** 01:10 PM

Surveyors: Perla Ochoa, Nathan Taylor

VPHCP Covered Species Present: ERAR,ORCA

Cover of ERAR in Basin: 5-10% **Cover of NAFO in Basin:** **Cover of ORCA in Basin:** <1%

Cover of POAB in Basin: **Cover of PONU in Basin:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 14

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	<1%
Epilobium campestre - smooth boisduvalia	<1%
Juncus bufonius - toad rush	<1%
Marsilea vestita - hairy waterclover	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	25-50%
Triglochin scilloides - flowering-quillwort	5-10%
Zeltnera venusta - California centaury	50-75%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: <1% **Nonnative Species Richness in Basin:** 4

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 483

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon micranthus - Grab Lotus
Ambrosia chenopodiifolia - San Diego bur-sage
Antirrhinum nuttallianum - Nuttall's Snapdragon
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Bergerocactus emoryi - golden-spined cereus
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Callitriche marginata - winged water-starwort
Centaurea melitensis - tocalote
Cylindropuntia californica var. *californica* - snake cholla
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dittrichia graveolens - stinkwort
Elatine brachysperma - short-seed waterwort
Eleocharis macrostachya - pale spike-rush
Encelia californica - California encelia
Epilobium campestre - smooth boisduvalia
Eriogonum fasciculatum - California buckwheat
Erodium cicutarium - redstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Grindelia camporum - gumplant
Hainardia cylindrica - barb grass
Juncus bufonius - toad rush
Lactuca serriola - prickly lettuce
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Mirabilis laevis var. *crassifolia* - wishbone bush
Navarretia hamata - hooked skunkweed
Orcuttia californica - California Orcutt grass
Peritoma arborea - bladderpod
Phalaris minor - little-seeded canary grass
Pogogyne nudiuscula - Otay mesa mint
Polypogon monspeliensis - rabbitfoot grass

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 483

Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rosa minutifolia - small-leaved rose
Schismus barbatus - Mediterranean schismus
Simmondsia chinensis - jojoba
Sisyrinchium bellum - western blue-eyed-grass
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stipa lepida - foothill needle grass
Stipa pulchra - purple needle grass
Triglochin scilloides - flowering-quillwort
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/20/2023 **Survey Start Time:** 09:50 AM **Survey End Time:** 10:50 AM

Surveyors: Adam Skinner, Nathan Taylor, Perla Ochoa

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:** 1-5%

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 20

Other Native Species in Pool:

Species Name	Cover
Ambrosia chenopodiifolia - San Diego bur-sage	<1%
Artemisia californica - California sagebrush	<1%
Bergia texana - Texas bergia	<1%
Callitriche marginata - winged water-starwort	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	<1%
Isocoma menziesii - coastal goldenbush	<1%
Juncus bufonius - toad rush	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Rhus integrifolia - lemonade berry	1-5%
Simmondsia chinensis - jojoba	<1%
Stipa pulchra - purple needle grass	<1%
Triglochin scilloides - flowering-quillwort	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Bromus madritensis - foxtail chess	<1%
Bromus rubens - red brome	<1%
Centaurea melitensis - tocalote	<1%
Erodium sp.	<1%
Festuca myuros - rattail sixweeks grass	<1%
Juncus bufonius var. *congestus* - clustered toad rush	<1%
Logfia gallica - daggerleaf cottonrose	<1%
Lysimachia arvensis - scarlet pimpernel	<1%

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 484

Lythrum hyssopifolia - grass poly	<1%
Polypogon monspeliensis - rabbitfoot grass	1-5%
Schismus barbatus - Mediterranean schismus	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 13

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 484

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Antirrhinum nuttallianum - Nuttall's Snapdragon
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Atriplex pacifica - south coast saltscale
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Bergerocactus emoryi - golden-spined cereus
Brachypodium distachyon - purple false brome
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cylindropuntia prolifera - coast cholla
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Erigeron canadensis - horseweed
Erodium sp.
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Isocoma menziesii - coastal goldenbush
Juncus bufonius var. *congestus* - clustered toad rush
Lactuca serriola - prickly lettuce
Logfia gallica - daggerleaf cottonrose
Lycium andersonii - Anderson's desert thorn
Lysimachia arvensis - scarlet pimpernel
Mirabilis laevis var. *crassifolia* - wishbone bush
Navarretia hamata - hooked skunkweed
Oncosiphon pilulifer - stinknet
Pogogyne nudiuscula - Otay mesa mint
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium luteoalbum - fragrant everlasting cudweed
Pseudognaphalium stramineum - cotton-batting plant
Rhus integrifolia - lemonade berry

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 484

Schismus barbatus - Mediterranean schismus
Selaginella cinerascens - ashy spike-moss
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Stephanomeria diegensis - San Diego wreath-plant
Stipa lepida - foothill needle grass
Stipa pulchra - purple needle grass
Yucca schidigera - Mojave yucca
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/1/2023 **Survey Start Time:** 12:23 PM **Survey End Time:** 01:33 PM

Surveyors: Sara Allen, Adam Skinner

VPHCP Covered Species Present: ERAR,ORCA,PONU

Cover of ERAR in Basin: 5-10% **Cover of NAFO in Basin:** **Cover of ORCA in Basin:** 5-10%

Cover of POAB in Basin: **Cover of PONU in Basin:** <1%

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 17

Other Native Species in Pool:

Species Name	Cover
Artemisia californica - California sagebrush	<1%
Bergia texana - Texas bergia	<1%
Callitriche marginata - winged water-starwort	<1%
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	10-25%
Epilobium campestre - smooth boisduvalia	<1%
Juncus bufonius - toad rush	<1%
Marsilea vestita - hairy waterclover	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	10-25%
Simmondsia chinensis - jojoba	<1%
Triglochin scilloides - flowering-quillwort	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	1-5%
Bromus madritensis - foxtail chess	<1%
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	<1%
Gastridium phleoides - nit grass	<1%
Lamarckia aurea - golden-top	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Senecio vulgaris - common groundsel	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 9

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 490

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 490

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Acmispon micranthus - Grab Lotus
Ambrosia chenopodiifolia - San Diego bur-sage
Antirrhinum nuttallianum - Nuttall's Snapdragon
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Bloomeria crocea - common goldenstar
Brachypodium distachyon - purple false brome
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Chenopodium murale - nettle-leaf goosefoot
Cylindropuntia californica var. *californica* - snake cholla
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dittrichia graveolens - stinkwort
Elatine brachysperma - short-seed waterwort
Eleocharis macrostachya - pale spike-rush
Encelia californica - California encelia
Epilobium campestre - smooth boisduvalia
Eriogonum fasciculatum - California buckwheat
Erodium cicutarium - redstem filaree
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lactuca serriola - prickly lettuce
Logfia gallica - daggerleaf cottonrose
Lycium andersonii - Anderson's desert thorn
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Melilotus indicus - annual yellow sweetclover
Myosurus minimus ssp. *apus* - little mouse tail

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 490

Navarretia hamata - hooked skunkweed
Plantago erecta - dot-seed plantain
Pogogyne nudiuscula - Otay mesa mint
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed
Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rhus integrifolia - lemonade berry
Rosa minutifolia - small-leaved rose
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/1/2023 **Survey Start Time:** 01:53 PM **Survey End Time:** 02:44 PM

Surveyors: Sara Allen, Adam Skinner

VPHCP Covered Species Present: PONU,NAFO,ERAR

Cover of ERAR in Basin: 5-10% **Cover of NAFO in Basin:** <1% **Cover of ORCA in Basin:**

Cover of POAB in Basin: **Cover of PONU in Basin:** 1-5%

Cover of Native Species in Basin: 5-10% **Native Species Richness in Basin:** 14

Other Native Species in Pool:

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

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Bromus madritensis - foxtail chess	<1%
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	<1%
Gastridium phleoides - nit grass	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 9

Additional Information:

Bare Ground Cover in Basin: 50-75% **Cover of Rocks/Cobble in Basin:** 10-25% **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

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 502

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Antirrhinum nuttallianum - Nuttall's Snapdragon
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Cylindropuntia californica var. *californica* - snake cholla
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dittrichia graveolens - stinkwort
Elatine brachysperma - short-seed waterwort
Encelia californica - California encelia
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Grindelia camporum - gumplant
Juncus bufonius - toad rush
Logfia gallica - daggerleaf cottonrose
Lycium andersonii - Anderson's desert thorn
Lysimachia arvensis - scarlet pimpernel
Mirabilis laevis var. *crassifolia* - wishbone bush
Navarretia hamata - hooked skunkweed
Pogogyne nudiuscula - Otay mesa mint
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium stramineum - cotton-batting plant
Rosa minutifolia - small-leaved rose
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 502

Stipa pulchra - purple needle grass
Yucca schidigera - Mojave yucca
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 12:03 PM **Survey End Time:** 01:09 PM

Surveyors: Ryan Meszaros Alec Goodman

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

Cover of ERAR in Basin: <1% **Cover of NAFO in Basin:** <1% **Cover of ORCA in Basin:** 25-50%

Cover of POAB in Basin: **Cover of PONU in Basin:** <1%

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 14

Other Native Species in Pool:

Species Name	Cover
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	<1%
Juncus bufonius - toad rush	<1%
Nama stenocarpa - mud nama	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	5-10%
Triglochin scilloides - flowering-quillwort	<1%

Nonnative Species in Pool:

Species Name	Cover
Lythrum hyssopifolia - grass poly	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: <1% **Nonnative Species Richness in Basin:** 3

Additional Information:

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: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool: Triglochin and Chalitriche likely higher cover

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 509

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Ambrosia chenopodiifolia - San Diego bur-sage
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Atriplex pacifica - south coast saltscale
Bahiopsis laciniata - San Diego viguiera
Bergerocactus emoryi - golden-spined cereus
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dittrichia graveolens - stinkwort
Elatine brachysperma - short-seed waterwort
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Hainardia cylindrica - barb grass
Logfia arizonica - Arizona cottonrose
Logfia gallica - daggerleaf cottonrose
Lycium andersonii - Anderson's desert thorn
Lysimachia arvensis - scarlet pimpernel
Opuntia littoralis - coast prickly-pear
Pilularia americana - American pillwort
Pogogyne nudiuscula - Otay mesa mint
Polypogon monspeliensis - rabbitfoot grass
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rhus integrifolia - lemonade berry
Salsola tragus - Russian thistle
Selaginella cinerascens - ashy spike-moss
Simmondsia chinensis - jojoba
Sisyrinchium bellum - western blue-eyed-grass

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 509

Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stipa lepida - foothill needle grass
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 11:47 AM **Survey End Time:** 12:48 PM

Surveyors: Sara Allen, Adam Skinner

VPHCP Covered Species Present: PONU,ERAR,ORCA

Cover of ERAR in Basin: 25-50% **Cover of NAFO in Basin:** **Cover of ORCA in Basin:** 10-25%

Cover of POAB in Basin: **Cover of PONU in Basin:** 1-5%

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 18

Other Native Species in Pool:

Species Name	Cover
Ambrosia pumila - San Diego ambrosia	<1%
Baccharis sarothroides - broom baccharis	<1%
Bergia texana - Texas bergia	<1%
Callitriche marginata - winged water-starwort	<1%
Deinandra conjugens - Otay tarplant	<1%
Deinandra fasciculata - fascicled tarweed	5-10%
Deschampsia danthonioides - annual hair grass	1-5%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	5-10%
Eriogonum fasciculatum - California buckwheat	<1%
Juncus bufonius - toad rush	1-5%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Triglochin scilloides - flowering-quillwort	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Festuca myuros - rattail sixweeks grass	<1%
Gastridium phleoides - nit grass	<1%
Hainardia cylindrica - barb grass	<1%
Lythrum hyssopifolia - grass poly	<1%
Phalaris minor - little-seeded canary grass	<1%
Polypogon monspeliensis - rabbitfoot grass	5-10%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 7

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 591

Additional Information:

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: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool: Dead dittrichia graveolans from last year

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 591

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Ambrosia chenopodiifolia - San Diego bur-sage
Ambrosia pumila - San Diego ambrosia
Amsinckia intermedia - common fiddleneck
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Avena barbata - slender wild oat
Bahiopsis laciniata - San Diego viguiera
Bergerocactus emoryi - golden-spined cereus
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Daucus pusillus - rattlesnake weed
Deinandra conjugens - Otay tarplant
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dittrichia graveolens - stinkwort
Eleocharis macrostachya - pale spike-rush
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gamochaeta stagnalis - desert cudweed
Gastridium phleoides - nit grass
Grindelia camporum - gumplant
Hainardia cylindrica - barb grass
Juncus bufonius - toad rush
Laennecia coulteri - Coulter's horseweed
Logfia arizonica - Arizona cottonrose
Logfia gallica - daggerleaf cottonrose
Lycium andersonii - Anderson's desert thorn
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 591

Malosma laurina - laurel sumac
Mirabilis laevis var. *crassifolia* - wishbone bush
Navarretia hamata - hooked skunkweed
Pogogyne nudiuscula - Otay mesa mint
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rosa minutifolia - small-leaved rose
Schismus barbatus - Mediterranean schismus
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa lepida - foothill needle grass
Stipa pulchra - purple needle grass
Yucca schidigera - Mojave yucca
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 08:52 AM **Survey End Time:** 11:48 AM

Surveyors: Ryan Meszaros, Alec Goodman

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:** 1-5%

Cover of POAB in Basin: **Cover of PONU in Basin:** 10-25%

Cover of Native Species in Basin: >75% **Native Species Richness in Basin:** 14

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	<1%
Deinandra conjugens - Otay tarplant	<1%
Deschampsia danthonioides - annual hair grass	1-5%
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	<1%
Juncus bufonius - toad rush	<1%
Lysimachia minima - chaffweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	10-25%
Triglochin scilloides - flowering-quillwort	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Erodium cicutarium - redstem filaree	<1%
Festuca perennis - rye grass	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 5

Additional Information:

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: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool: Triglochin and Callitriche likely higher cover

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 1310

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cylindropuntia prolifera - coast cholla
Deinandra conjugens - Otay tarplant
Deschampsia danthonioides - annual hair grass
Dipterostemon capitatus - blue dicks
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Grindelia camporum - gumplant
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hordeum intercedens - bobtail barley
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lamarckia aurea - golden-top
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Navarretia hamata - hooked skunkweed
Osmadenia tenella - osmadenia
Phalaris minor - little-seeded canary grass
Plantago erecta - dot-seed plantain
Pogogyne nudiuscula - Otay mesa mint
Polypogon monspeliensis - rabbitfoot grass
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Salvia mellifera - black sage
Simmondsia chinensis - jojoba
Sonchus oleraceus - common sow thistle
Stipa lepida - foothill needle grass

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 1310

Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 10:21 AM **Survey End Time:** 11:18 AM

Surveyors: Sara Allen, Adam Skinner

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:** 50-75%

Cover of Native Species in Basin: >75% **Native Species Richness in Basin:** 13

Other Native Species in Pool:

Species Name	Cover
Baccharis sarothroides - broom baccharis	<1%
Deinandra conjugens - Otay tarplant	1-5%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	1-5%
Eleocharis macrostachya - pale spike-rush	<1%
Epilobium campestre - smooth boisduvalia	5-10%
Juncus bufonius - toad rush	<1%
Lysimachia minima - chaffweed	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus rubens - red brome	<1%
Centaurea melitensis - tocalote	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Festuca perennis - rye grass	<1%
Glebionis coronaria - crown daisy	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	<1%
Phalaris minor - little-seeded canary grass	<1%
Polypogon monspeliensis - rabbitfoot grass	5-10%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 10

Additional Information:

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: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 1321

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Amsinckia intermedia - common fiddleneck
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Avena barbata - slender wild oat
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Daucus pusillus - rattlesnake weed
Deinandra conjugens - Otay tarplant
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Encelia californica - California encelia
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Glebionis coronaria - crown daisy
Hirschfeldia incana - short-pod mustard
Hypochaeris glabra - smooth cat's-ear
Lactuca serriola - prickly lettuce
Laennecia coulteri - Coulter's horseweed
Logfia arizonica - Arizona cottonrose
Logfia gallica - daggerleaf cottonrose
Lycium andersonii - Anderson's desert thorn
Lysimachia arvensis - scarlet pimpernel
Navarretia hamata - hooked skunkweed
Phalaris minor - little-seeded canary grass
Pogogyne nudiuscula - Otay mesa mint
Pseudognaphalium stramineum - cotton-batting plant
Rhus integrifolia - lemonade berry
Rosa minutifolia - small-leaved rose
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa sp.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 1321

Yucca schidigera - Mojave yucca
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 01:36 PM **Survey End Time:** 02:21 PM

Surveyors: Ryan Meszaros, Alec Goodman

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%

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 9

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Epilobium campestre - smooth boisduvalia	<1%
Pilularia americana - American pillwort	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	25-50%
Triglochin scilloides - flowering-quillwort	1-5%

Nonnative Species in Pool:

Species Name	Cover
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	<1%
Phalaris minor - little-seeded canary grass	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 5

Additional Information:

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: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool: Triglochin and Callitriche likely had higher

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 1713

2023 Quantitative Monitoring Data continued

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

Species Name
Artemisia californica - California sagebrush
Avena fatua - wild oat
Bahiopsis laciniata - San Diego viguiera
Brachypodium distachyon - purple false brome
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Callitriche marginata - winged water-starwort
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Erodium cicutarium - redstem filaree
Erodium sp.
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Glebionis coronaria - crown daisy
Heliotropium curassavicum var. *oculatum* - seaside heliotrope
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Juncus bufonius var. *congestus* - clustered toad rush
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Navarretia hamata - hooked skunkweed
Opuntia littoralis - coast prickly-pear
Phalaris minor - little-seeded canary grass
Pilularia americana - American pillwort
Plantago erecta - dot-seed plantain
Pogogyne nudiuscula - Otay mesa mint
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed
Polypogon monspeliensis - rabbitfoot grass

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 1713

Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/15/2023 **Survey Start Time:** 02:13 PM **Survey End Time:** 02:31 PM

Surveyors: Sara Allen, Adam Skinner

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 10

Other Native Species in Pool:

Species Name	Cover
Cyperus eragrostis - tall flatsedge	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	5-10%
Epilobium campestre - smooth boisduvalia	10-25%
Marsilea vestita - hairy waterclover	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Triglochin scilloides - flowering-quillwort	1-5%
Typha sp.	<1%

Nonnative Species in Pool:

Species Name	Cover
Amaranthus albus - tumbleweed	<1%
Bromus hordeaceus - soft chess	<1%
Erodium cicutarium - redstem filaree	<1%
Euphorbia maculata - spotted spurge	<1%
Euphorbia serpens - matted sandmat	<1%
Festuca perennis - rye grass	1-5%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	5-10%
Polypogon monspeliensis - rabbitfoot grass	5-10%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 10

Additional Information:

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: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool: Baccharis sarothroidies

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 1724

2023 Quantitative Monitoring Data continued

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

Species Name
Amaranthus albus - tumbleweed
Amaranthus blitoides - procumbent pigweed
Artemisia californica - California sagebrush
Baccharis pilularis - coyote brush
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Bergerocactus emoryi - golden-spined cereus
Brachypodium distachyon - purple false brome
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Dittrichia graveolens - stinkwort
Eleocharis macrostachya - pale spike-rush
Encelia californica - California encelia
Epilobium campestre - smooth boisduvalia
Eriogonum fasciculatum - California buckwheat
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia maculata - spotted spurge
Euphorbia serpens - matted sandmat
Ferocactus viridescens - San Diego barrel cactus
Festuca perennis - rye grass
Glebionis coronaria - crown daisy
Heteromeles arbutifolia - toyon
Laennecia coulteri - Coulter's horseweed
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Melilotus indicus - annual yellow sweetclover
Phytolacca americana var. *americana* - pokeweed
Polypogon monspeliensis - rabbitfoot grass
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rhus integrifolia - lemonade berry
Solanum sp.
Sonchus asper ssp. *asper* - prickly sow thistle
Triglochin scilloides - flowering-quillwort

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (North), Otay Mesa Road Parcels (J2) **VP ID:** 1724

Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/13/2023 **Survey Start Time:** 02:54 PM **Survey End Time:** 03:41 PM

Surveyors: Adam Skinner, Nathan Taylor, Perla Ochoa, Sara Allen

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:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Artemisia californica - California sagebrush	<1%
Baccharis sarothroides - broom baccharis	<1%
Callitriche marginata - winged water-starwort	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Eleocharis macrostachya - pale spike-rush	25-50%
Encelia californica - California encelia	<1%
Eriogonum fasciculatum - California buckwheat	<1%
Juncus bufonius - toad rush	1-5%
Navarretia hamata - hooked skunkweed	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Helminthotheca echioides - bristly ox-tongue	1-5%
Lythrum hyssopifolia - grass poly	<1%
Polypogon monspeliensis - rabbitfoot grass	10-25%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 6

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2022

2023 Quantitative Monitoring Data continued

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

Species Name
Amaranthus albus - tumbleweed
Ambrosia chenopodiifolia - San Diego bur-sage
Amsinckia sp.
Antirrhinum nuttallianum - Nuttall's Snapdragon
Artemisia californica - California sagebrush
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Brachypodium distachyon - purple false brome
Brassica nigra - black mustard
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Deinandra fasciculata - fascicled tarweed
Dittrichia graveolens - stinkwort
Eleocharis macrostachya - pale spike-rush
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Festuca myuros - rattail sixweeks grass
Helminthotheca echioides - bristly ox-tongue
Hirschfeldia incana - short-pod mustard
Logfia gallica - daggerleaf cottonrose
Lycium andersonii - Anderson's desert thorn
Lysimachia arvensis - scarlet pimpernel
Malosma laurina - laurel sumac
Matricaria discoidea - pineapple weed
Navarretia hamata - hooked skunkweed
Peritoma arborea - bladderpod
Phacelia cicutaria - caterpillar phacelia
Pogogyne nudiuscula - Otay mesa mint
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rhus integrifolia - lemonade berry
Rosa minutifolia - small-leaved rose
Schismus barbatus - Mediterranean schismus

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2022

Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/13/2023 **Survey Start Time:** 12:54 PM **Survey End Time:** 02:55 PM

Surveyors: Adam Skinner, 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:** <1%

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 15

Other Native Species in Pool:

Species Name	Cover
Baccharis salicifolia - mule fat	<1%
Callitriche marginata - winged water-starwort	<1%
Cylindropuntia prolifera - coast cholla	<1%
Deinandra fasciculata - fascicled tarweed	5-10%
Deschampsia danthonioides - annual hair grass	<1%
Eleocharis macrostachya - pale spike-rush	10-25%
Epilobium campestre - smooth boisduvalia	<1%
Frankenia salina - alkali heath	<1%
Juncus bufonius - toad rush	1-5%
Matricaria discoidea - pineapple weed	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Triglochin scilloides - flowering-quillwort	<1%

Nonnative Species in Pool:

Species Name	Cover
Amaranthus albus - tumbleweed	<1%
Dittrichia graveolens - stinkwort	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	<1%
Oncosiphon pilulifer - stinknet	<1%
Polypogon monspeliensis - rabbitfoot grass	10-25%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 25-50% **Nonnative Species Richness in Basin:** 8

Additional Information:

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: 1-5 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2025

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Amaranthus albus - tumbleweed
Amaranthus blitoides - procumbent pigweed
Amblyopappus pusillus - pineapple-weed
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Astragalus trichopodus - Santa Barbara milk vetch
Bahiopsis laciniata - San Diego viguiera
Bergerocactus emoryi - golden-spined cereus
Bergia texana - Texas bergia
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dittrichia graveolens - stinkwort
Dudleya edulis - ladies' fingers
Dudleya pulverulenta - chalk dudleya
Eleocharis macrostachya - pale spike-rush
Encelia californica - California encelia
Epilobium campestre - smooth boisduvalia
Eriogonum fasciculatum - California buckwheat
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Frankenia salina - alkali heath
Glebionis coronaria - crown daisy
Juncus bufonius - toad rush
Lactuca serriola - prickly lettuce
Lepidium nitidum - shining peppergrass
Logfia arizonica - Arizona cottonrose
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Malosma laurina - laurel sumac
Marsilea vestita - hairy waterclover
Matricaria discoidea - pineapple weed

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2025

Mesembryanthemum nodiflorum - slender-leaved iceplant
Muhlenbergia rigens - deer grass
Navarretia fossalis - spreading navarretia
Navarretia hamata - hooked skunkweed
Oncosiphon pilulifer - stinknet
Peritoma arborea - bladderpod
Pogogyne nudiuscula - Otay mesa mint
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed
Polypogon monspeliensis - rabbitfoot grass
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rhus integrifolia - lemonade berry
Schismus barbatus - Mediterranean schismus
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Stephanomeria diegensis - San Diego wreath-plant
Yucca schidigera - Mojave yucca
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/5/2023 **Survey Start Time:** 03:10 PM **Survey End Time:** 03:25 PM

Surveyors: Sara Allen, Sarah McCutcheon (SDMMP)

VPHCP Covered Species Present: PONU,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:** 50-75%

Cover of Native Species in Basin: >75% **Native Species Richness in Basin:** 14

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	<1%
Cylindropuntia prolifera - coast cholla	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Eriogonum fasciculatum - California buckwheat	<1%
Juncus bufonius - toad rush	<1%
Logfia arizonica - Arizona cottonrose	<1%
Matricaria discoidea - pineapple weed	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	5-10%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus rubens - red brome	<1%
Centaurea melitensis - tocalote	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Gastridium phleoides - nit grass	<1%
Helminthotheca echioides - bristly ox-tongue	<1%
Lysimachia arvensis - scarlet pimpernel	1-5%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 7

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2039

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Ambrosia chenopodiifolia - San Diego bur-sage
Antirrhinum nuttallianum - Nuttall's Snapdragon
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Brachypodium distachyon - purple false brome
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Cryptantha sp.
Cylindropuntia prolifera - coast cholla
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Dudleya pulverulenta - chalk dudleya
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Gutierrezia californica - California matchweed
Helminthotheca echioides - bristly ox-tongue
Lamarckia aurea - golden-top
Lepidium nitidum - shining peppergrass
Logfia arizonica - Arizona cottonrose
Logfia gallica - daggerleaf cottonrose
Lycium andersonii - Anderson's desert thorn
Lysimachia arvensis - scarlet pimpernel
Matricaria discoidea - pineapple weed
Muhlenbergia sp. - muhly species
Navarretia hamata - hooked skunkweed
Peritoma arborea - bladderpod
Pogogyne nudiuscula - Otay mesa mint
Pseudognaphalium luteoalbum - fragrant everlasting cudweed

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2039

Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Schismus barbatus - Mediterranean schismus
Selaginella cinerascens - ashy spike-moss
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa lepida - foothill needle grass
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 7/21/2023 **Survey Start Time:** 12:10 PM **Survey End Time:** 12:26 PM

Surveyors: Jason 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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 18

Other Native Species in Pool:

Species Name	Cover
Acmispon americanus var. *americanus* - Spanish lotus	<1%
Amblyopappus pusillus - pineapple-weed	<1%
Bergia texana - Texas bergia	<1%
Callitriche marginata - winged water-starwort	5-10%
Crassula aquatica - water pygmyweed	<1%
Crassula connata - pygmy-weed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	<1%
Eriogonum fasciculatum - California buckwheat	<1%
Heliotropium curassavicum var. *oculatum* - seaside heliotrope	<1%
Juncus bufonius - toad rush	1-5%
Juncus dubius - mariposa rush	<1%
Marsilea vestita - hairy waterclover	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%

Nonnative Species in Pool:

Species Name	Cover
Amaranthus albus - tumbleweed	<1%
Dittrichia graveolens - stinkwort	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lythrum hyssopifolia - grass poly	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: <1% **Nonnative Species Richness in Basin:** 5

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2043

Additional Information:

Bare Ground Cover in Basin: 25-50% **Cover of Rocks/Cobble in Basin:** 10-25% **Cover of Litter in Basin:** 10-25%

Days Since Last Rain: >16 **Ponded Water Present:** no

Dead Species Present in Pool: Nitella clavata

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2043

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Amblyopappus pusillus - pineapple-weed
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Astragalus trichopodus - Santa Barbara milk vetch
Bahiopsis laciniata - San Diego viguiera
Bergerocactus emoryi - golden-spined cereus
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dicranostegia orcuttiana - Orcutt's bird's-beak
Dittrichia graveolens - stinkwort
Dudleya edulis - ladies' fingers
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Hooveria parviflora
Juncus bufonius - toad rush
Lamarckia aurea - golden-top
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Malosma laurina - laurel sumac
Mammillaria dioica - fish-hook cactus
Navarretia hamata - hooked skunkweed
Opuntia littoralis - coast prickly-pear
Plantago erecta - dot-seed plantain
Pogogyne nudiuscula - Otay mesa mint
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rhus integrifolia - lemonade berry
Salsola tragus - Russian thistle
Salvia apiana - white sage
Selaginella cinerascens - ashy spike-moss

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2043

Simmondsia chinensis - jojoba
Yucca schidigera - Mojave yucca
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/5/2023 **Survey Start Time:** 02:17 PM **Survey End Time:** 02:31 PM

Surveyors: Sara Allen, Sarah McCutcheon (SDMMP)

VPHCP Covered Species Present: PONU,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:** 1-5%

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 12

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	10-25%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Juncus bufonius - toad rush	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	10-25%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Festuca myuros - rattail sixweeks grass	1-5%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	1-5%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 3

Additional Information:

Bare Ground Cover in Basin: 5-10% **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

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2044

2023 Quantitative Monitoring Data continued

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

Species Name
Amsinckia intermedia - common fiddleneck
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Cryptantha sp.
Cylindropuntia californica var. *californica* - snake cholla
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Epilobium ciliatum - willow herb
Eriogonum fasciculatum - California buckwheat
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia misera - cliff spurge
Festuca myuros - rattail sixweeks grass
Hooveria parviflora
Juncus bufonius - toad rush
Lactuca serriola - prickly lettuce
Lycium andersonii - Anderson's desert thorn
Navarretia hamata - hooked skunkweed
Peritoma arborea - bladderpod
Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Selaginella cinerascens - ashy spike-moss
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Stephanomeria diegensis - San Diego wreath-plant
Stipa pulchra - purple needle grass
Yucca schidigera - Mojave yucca
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/5/2023 **Survey Start Time:** 12:00 PM **Survey End Time:** 12:42 PM

Surveyors: Sara Allen, Sarah McCutcheon (SDMMP)

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:** 50-75%

Cover of Native Species in Basin: >75% **Native Species Richness in Basin:** 13

Other Native Species in Pool:

Species Name	Cover
Cylindropuntia prolifera - coast cholla	1-5%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	1-5%
Eleocharis macrostachya - pale spike-rush	<1%
Epilobium campestre - smooth boisduvalia	5-10%
Frankenia salina - alkali heath	1-5%
Iva hayesiana - San Diego marsh-elder	<1%
Navarretia hamata - hooked skunkweed	<1%
Plantago elongata - prairie plantain	<1%
Plantago erecta - dot-seed plantain	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	5-10%

Nonnative Species in Pool:

Species Name	Cover
Centaurea melitensis - tocalote	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Polypogon monspeliensis - rabbitfoot grass	1-5%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 5

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2185

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Amsinckia intermedia - common fiddleneck
Apiastrum angustifolium - mock-parsley
Artemisia californica - California sagebrush
Astragalus trichopodus - Santa Barbara milk vetch
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dicranostegia orcuttiana - Orcutt's bird's-beak
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Eriogonum fasciculatum - California buckwheat
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Frankenia salina - alkali heath
Glebionis coronaria - crown daisy
Logfia arizonica - Arizona cottonrose
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Navarretia hamata - hooked skunkweed
Osmadenia tenella - osmadenia
Plantago elongata - prairie plantain
Plantago erecta - dot-seed plantain
Pogogyne nudiuscula - Otay mesa mint
Polypogon monspeliensis - rabbitfoot grass
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Salvia apiana - white sage
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Yucca schidigera - Mojave yucca

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/5/2023 **Survey Start Time:** 01:13 PM **Survey End Time:** 01:28 PM

Surveyors: Sara Allen, Sarah McCutcheon (SDMMP)

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:** 10-25%

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Cylindropuntia prolifera - coast cholla	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Epilobium campestre - smooth boisduvalia	5-10%
Eriogonum fasciculatum - California buckwheat	<1%
Navarretia hamata - hooked skunkweed	<1%
Plantago elongata - prairie plantain	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	10-25%

Nonnative Species in Pool:

Species Name	Cover
Festuca myuros - rattail sixweeks grass	1-5%
Polypogon monspeliensis - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 2

Additional Information:

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

Fiscal Year: 2023

Complex Name: Cal Terraces (South) (J14) **VP ID:** 2189

2023 Quantitative Monitoring Data continued

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

Species Name
Amblyopappus pusillus - pineapple-weed
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Cylindropuntia prolifera - coast cholla
Deinandra conjugens - Otay tarplant
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dicranostegia orcuttiana - Orcutt's bird's-beak
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Epilobium campestre - smooth boisduvalia
Eriogonum fasciculatum - California buckwheat
Eryngium aristulatum var. *parishii* - San Diego button-celery
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Frankenia salina - alkali heath
Glebionis coronaria - crown daisy
Iva hayesiana - San Diego marsh-elder
Juncus bufonius - toad rush
Logfia arizonica - Arizona cottonrose
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Melilotus indicus - annual yellow sweetclover
Navarretia hamata - hooked skunkweed
Plantago elongata - prairie plantain
Plantago erecta - dot-seed plantain
Pogogyne nudiuscula - Otay mesa mint
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed
Polypogon monspeliensis - rabbitfoot grass
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Psilocarphus tenellus - slender woolly-marbles
Sonchus asper ssp. *asper* - prickly sow thistle
Stephanomeria diegensis - San Diego wreath-plant
Yucca schidigera - Mojave yucca
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: 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

2023 Quantitative Monitoring Data

Survey Date: 5/17/2023 **Survey Start Time:** 11:00 AM **Survey End Time:** 12:24 PM

Surveyors: Jason Allen, Sara Allen

VPHCP Covered Species Present: POAB,NAFO,ERAR

Cover of ERAR in Basin: 10-25% **Cover of NAFO in Basin:** 1-5% **Cover of ORCA in Basin:**

Cover of POAB in Basin: 10-25% **Cover of PONU in Basin:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 22

Other Native Species in Pool:

Species Name	Cover
Adenostoma fasciculatum - chamise	<1%
Apiastrum angustifolium - mock-parsley	<1%
Brodiaea Orcuttii - Orcutt's brodiaea	1-5%
Callitriche marginata - winged water-starwort	<1%
Crassula aquatica - water pygmyweed	<1%
Cuscuta californica - chaparral dodder	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Hooveria parviflora	<1%
Juncus bufonius - toad rush	5-10%
Juncus dubius - mariposa rush	<1%
Lysimachia minima - chaffweed	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Psilocarphus tenellus - slender woolly-marbles	<1%
Selaginella cinerascens - ashy spike-moss	<1%
Zeltnera venusta - California centaury	1-5%

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 3

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Carroll Canyon (D5-8) **VP ID:** 1077

Additional Information:

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:

2023 Quantitative Monitoring Data continued

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

Species Name
Adenostoma fasciculatum - chamise
Antirrhinum nuttallianum - Nuttall's Snapdragon
Apiastrum angustifolium - mock-parsley
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus madritensis - foxtail chess
Callitriche marginata - winged water-starwort
Cuscuta californica - chaparral dodder
Deinandra fasciculata - fascicled tarweed
Downingia cuspidata - toothed downingia
Eleocharis macrostachya - pale spike-rush
Eriophyllum confertiflorum var. *confertiflorum* - long-stem golden-yarrow
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Hooveria parviflora
Juncus bufonius - toad rush
Juncus dubius - mariposa rush
Lasthenia gracilis - common goldfields
Logfia gallica - daggerleaf cottonrose
Navarretia hamata - hooked skunkweed
Pogogyne abramsii - San Diego mesa mint
Polycarpon tetraphyllum var. *tetraphyllum* - four-leaved allseed
Polypogon monspeliensis - rabbitfoot grass
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Selaginella cinerascens - ashy spike-moss
Sisyrinchium bellum - western blue-eyed-grass
Sonchus oleraceus - common sow thistle
Stylocline gnaphaloides - everlasting neststraw

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: 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

2023 Quantitative Monitoring Data

Survey Date: 5/17/2023 **Survey Start Time:** 01:17 PM **Survey End Time:** 03:07 PM

Surveyors: Jim Rocks, Ryan Mezaros, Makela Mangrich

VPHCP Covered Species Present: ERAR,POAB,NAFO

Cover of ERAR in Basin: 1-5% **Cover of NAFO in Basin:** <1% **Cover of ORCA in Basin:**

Cover of POAB in Basin: 5-10% **Cover of PONU in Basin:**

Cover of Native Species in Basin: >75% **Native Species Richness in Basin:** 22

Other Native Species in Pool:

Species Name	Cover
Agrostis microphylla - small-leaf bent grass	<1%
Brodiaea Orcuttii - Orcutt's brodiaea	1-5%
Callitriche marginata - winged water-starwort	1-5%
Crassula aquatica - water pygmyweed	1-5%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	25-50%
Eleocharis macrostachya - pale spike-rush	1-5%
Gnaphalium palustre - lowland cudweed	<1%
Isoetes orcuttii - Orcutt's quillwort	1-5%
Juncus bufonius - toad rush	1-5%
Lysimachia minima - chaffweed	<1%
Microseris douglasii ssp. *platycarpha* - small-flowered microseris	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Psilocarphus tenellus - slender woolly-marbles	<1%
Selaginella cinerascens - ashy spike-moss	<1%
Triglochin scilloides - flowering-quillwort	<1%
Zeltnera venusta - California centaury	1-5%

Nonnative Species in Pool:

Species Name	Cover
Dittrichia graveolens - stinkwort	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lythrum hyssopifolia - grass poly	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: <1% **Nonnative Species Richness in Basin:** 4

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Carroll Canyon (D5-8) **VP ID:** 1092

Additional Information:

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

Fiscal Year: 2023

Complex Name: Carroll Canyon (D5-8) **VP ID:** 1092

2023 Quantitative Monitoring Data continued

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

Species Name
Adenostoma fasciculatum - chamise
Agrostis microphylla - small-leaf bent grass
Antirrhinum nuttallianum - Nuttall's Snapdragon
Apiastrum angustifolium - mock-parsley
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus madritensis - foxtail chess
Calochortus splendens - splendid mariposa lily
Castilleja densiflora ssp. *gracilis* - graceful owl's clover
Crassula connata - pygmy-weed
Cuscuta californica - chaparral dodder
Deinandra fasciculata - fascicled tarweed
Downingia cuspidata - toothed downingia
Eriophyllum confertiflorum var. *confertiflorum* - long-stem golden-yarrow
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Hooveria parviflora
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lasthenia gracilis - common goldfields
Logfia gallica - daggerleaf cottonrose
Lysimachia minima - chaffweed
Microseris douglasii ssp. *platycarpha* - small-flowered microseris
Navarretia hamata - hooked skunkweed
Nuttallanthus texanus - blue toadflax
Pogogyne abramsii - San Diego mesa mint
Pseudognaphalium stramineum - cotton-batting plant
Salvia mellifera - black sage
Selaginella cinerascens - ashy spike-moss
Sisyrinchium bellum - western blue-eyed-grass
Sonchus asper ssp. *asper* - prickly sow thistle
Stylocline gnaphaloides - everlasting neststraw
Trifolium willdenovii - tomcat clover
Zeltnera venusta - California centaury

Notes: We observed some herbivory on Brodiaea orcuttii within the pool basin.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: 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

2023 Quantitative Monitoring Data

Survey Date: 5/18/2023 **Survey Start Time:** 11:21 AM **Survey End Time:** 04:31 PM

Surveyors: Makela Mangrich

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: 1-5% **Cover of PONU in Basin:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 17

Other Native Species in Pool:

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

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: <1% **Nonnative Species Richness in Basin:** 2

Additional Information:

Bare Ground Cover in Basin: 10-25% **Cover of Rocks/Cobble in Basin:** 25-50% **Cover of Litter in Basin:** 1-5%

Days Since Last Rain: >16 **Ponded Water Present:** no

Dead Species Present in Pool: Last year's Deinandra fasciculata

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Carroll Canyon (D5-8) **VP ID:** 1096

2023 Quantitative Monitoring Data continued

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

Species Name
Adenostoma fasciculatum - chamise
Agrostis microphylla - small-leaf bent grass
Antirrhinum nuttallianum - Nuttall's Snapdragon
Apiastrum angustifolium - mock-parsley
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus madritensis - foxtail chess
Castilleja densiflora ssp. *gracilis* - graceful owl's clover
Crassula connata - pygmy-weed
Cuscuta californica - chaparral dodder
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Diplacus aurantiacus - orange bush monkeyflower
Dipterostemon capitatus - blue dicks
Eleocharis macrostachya - pale spike-rush
Eriophyllum confertiflorum var. *confertiflorum* - long-stem golden-yarrow
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Hooveria parviflora
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Juncus dubius - mariposa rush
Logfia gallica - daggerleaf cottonrose
Lysimachia minima - chaffweed
Microseris douglasii ssp. *platycarpha* - small-flowered microseris
Muilla maritima - common muilla
Navarretia hamata - hooked skunkweed
Phalaris lemmonii - Lemmon's canary grass
Plagiobothrys collinus - Cooper's popcornflower
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium californicum - California everlasting
Psilocarphus tenellus - slender woolly-marbles
Selaginella cinerascens - ashy spike-moss
Sisyrinchium bellum - western blue-eyed-grass
Sonchus oleraceus - common sow thistle
Stylocline gnaphaloides - everlasting neststraw
Trifolium microcephalum - small-head clover
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: 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

2023 Quantitative Monitoring Data

Survey Date: 5/20/2023 **Survey Start Time:** 11:41 AM **Survey End Time:** 12:48 PM

Surveyors: Makela Mangrich

VPHCP Covered Species Present: ERAR,POAB

Cover of ERAR in Basin: 10-25% **Cover of NAFO in Basin:** **Cover of ORCA in Basin:**

Cover of POAB in Basin: 1-5% **Cover of PONU in Basin:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 15

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Callitriche marginata - winged water-starwort	1-5%
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Eleocharis macrostachya - pale spike-rush	10-25%
Juncus bufonius - toad rush	<1%
Juncus dubius - mariposa rush	<1%
Lysimachia minima - chaffweed	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Psilocarphus tenellus - slender woolly-marbles	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Polypogon monspeliensis - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: <1% **Nonnative Species Richness in Basin:** 1

Additional Information:

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: N.A.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Carroll Canyon (D5-8) **VP ID:** 1109

2023 Quantitative Monitoring Data continued

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

Species Name
Adenostoma fasciculatum - chamise
Agrostis microphylla - small-leaf bent grass
Antirrhinum nuttallianum - Nuttall's Snapdragon
Callitriche marginata - winged water-starwort
Crassula aquatica - water pygmyweed
Crassula connata - pygmy-weed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Erigeron canadensis - horseweed
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Hooveria parviflora
Juncus bufonius - toad rush
Juncus dubius - mariposa rush
Lysimachia minima - chaffweed
Navarretia hamata - hooked skunkweed
Poa secunda - Nevada blue grass
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium californicum - California everlasting
Psilocarphus tenellus - slender woolly-marbles
Selaginella cinerascens - ashy spike-moss
Sonchus oleraceus - common sow thistle

Notes: Herbivory present on San Diego button celery

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: 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

2023 Quantitative Monitoring Data

Survey Date: 5/24/2023 **Survey Start Time:** 10:10 AM **Survey End Time:** 12:00 AM

Surveyors: Makela Mangrich

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: 5-10% **Cover of PONU in Basin:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 13

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Callitriche marginata - winged water-starwort	<1%
Crassula aquatica - water pygmyweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Eleocharis macrostachya - pale spike-rush	5-10%
Juncus bufonius - toad rush	1-5%
Juncus dubius - mariposa rush	<1%
Lysimachia minima - chaffweed	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Polypogon monspeliensis - rabbitfoot grass	5-10%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 1

Additional Information:

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

Fiscal Year: 2023

Complex Name: Carroll Canyon (D5-8) **VP ID:** 1740

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Adenostoma fasciculatum - chamise
Antirrhinum nuttallianum - Nuttall's Snapdragon
Baccharis pilularis - coyote brush
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Cuscuta californica - chaparral dodder
Deinandra fasciculata - fascicled tarweed
Diplacus aurantiacus - orange bush monkeyflower
Dipterostemon capitatus - blue dicks
Dittrichia graveolens - stinkwort
Eriophyllum confertiflorum var. *confertiflorum* - long-stem golden-yarrow
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Hooveria parviflora
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Juncus dubius - mariposa rush
Logfia gallica - daggerleaf cottonrose
Lysimachia minima - chaffweed
Lythrum hyssopifolia - grass poly
Myosurus minimus ssp. *apus* - little mouse tail
Navarretia hamata - hooked skunkweed
Nuttallanthus texanus - blue toadflax
Poa secunda - Nevada blue grass
Polypogon monspeliensis - rabbitfoot grass
Selaginella cinerascens - ashy spike-moss
Sisyrinchium bellum - western blue-eyed-grass
Solanum americanum - white nightshade
Sonchus asper ssp. *asper* - prickly sow thistle
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: 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

2023 Quantitative Monitoring Data

Survey Date: 5/24/2023 **Survey Start Time:** 11:50 AM **Survey End Time:** 12:45 PM

Surveyors: Makela Mangrich

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 16

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	1-5%
Callitriche marginata - winged water-starwort	<1%
Crassula aquatica - water pygmyweed	<1%
Cuscuta californica - chaparral dodder	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	1-5%
Eleocharis macrostachya - pale spike-rush	<1%
Juncus bufonius - toad rush	1-5%
Juncus dubius - mariposa rush	<1%
Lysimachia minima - chaffweed	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Psilocarphus tenellus - slender woolly-marbles	<1%
Zeltnera venusta - California centaury	1-5%

Nonnative Species in Pool:

Species Name	Cover
Bromus madritensis - foxtail chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lythrum hyssopifolia - grass poly	5-10%
Polypogon monspeliensis - rabbitfoot grass	10-25%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 4

Additional Information:

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: >16 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Carroll Canyon (D5-8) **VP ID:** 1743

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Adenostoma fasciculatum - chamise
Apiastrum angustifolium - mock-parsley
Brassica nigra - black mustard
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Chenopodium murale - nettle-leaf goosefoot
Clarkia sp.
Crassula connata - pygmy-weed
Cuscuta californica - chaparral dodder
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Diplacus aurantiacus - orange bush monkeyflower
Dipterostemon capitatus - blue dicks
Eleocharis macrostachya - pale spike-rush
Erigeron canadensis - horseweed
Erodium botrys - long-beak filaree/storksbill
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Hooveria parviflora
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Juncus dubius - mariposa rush
Lythrum hyssopifolia - grass poly
Malva parviflora - cheeseweed
Marah macrocarpa - chilicothe
Microseris douglasii ssp. *platycarpha* - small-flowered microseris
Navarretia hamata - hooked skunkweed
Nuttallanthus texanus - blue toadflax
Plantago erecta - dot-seed plantain
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus tenellus - slender woolly-marbles
Sisyrinchium bellum - western blue-eyed-grass

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Carroll Canyon (D5-8) **VP ID:** 1743

Solanum americanum - white nightshade
Sonchus asper ssp. *asper* - prickly sow thistle
Zeltnera venusta - California centaury

Notes: Pool 1743 overrun with rabbit foot grass and Lythrum. It is close to the residential fenceline, and there are invasive species within 1-2’ of the pool. Some weeds sprayed by Helix crew last week but many were missed. Needs more attention.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: 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

2023 Quantitative Monitoring Data

Survey Date: 5/25/2023 **Survey Start Time:** 11:02 AM **Survey End Time:** 12:14 PM

Surveyors: Makela Mangrich

VPHCP Covered Species Present: ERAR,POAB

Cover of ERAR in Basin: 10-25% **Cover of NAFO in Basin:** **Cover of ORCA in Basin:**

Cover of POAB in Basin: <1% **Cover of PONU in Basin:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 16

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Callitriche marginata - winged water-starwort	<1%
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	1-5%
Eleocharis macrostachya - pale spike-rush	1-5%
Isoetes orcuttii - Orcutt's quillwort	<1%
Juncus bufonius - toad rush	<1%
Juncus dubius - mariposa rush	<1%
Lysimachia minima - chaffweed	<1%
Navarretia hamata - hooked skunkweed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: <1% **Nonnative Species Richness in Basin:** 2

Additional Information:

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

Fiscal Year: 2023

Complex Name: Carroll Canyon (D5-8) **VP ID:** 1746

2023 Quantitative Monitoring Data continued

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

Species Name
Adenostoma fasciculatum - chamise
Antirrhinum nuttallianum - Nuttall's Snapdragon
Brodiaea Orcuttii - Orcutt's brodiaea
Castilleja densiflora ssp. *gracilis* - graceful owl's clover
Centaurea melitensis - tocalote
Crassula aquatica - water pygmyweed
Crassula connata - pygmy-weed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Diplacus aurantiacus - orange bush monkeyflower
Dittrichia graveolens - stinkwort
Eleocharis macrostachya - pale spike-rush
Erodium botrys - long-beak filaree/storksbill
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Hooveria parviflora - soap plant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Juncus dubius - mariposa rush
Lysimachia minima - chaffweed
Lythrum hyssopifolia - grass poly
Microseris douglasii ssp. *platycarpha* - small-flowered microseris
Navarretia hamata - hooked skunkweed
Poa secunda - Nevada blue grass
Pogogyne abramsii - San Diego mesa mint
Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Psilocarphus tenellus - slender woolly-marbles
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Triglochin scilloides - flowering-quillwort
Zeltnera venusta - California centaury

Notes: Road to north of pool contains vast majority of non-native species on the list and poses risk to pool due to likely and imminent spread of invasives

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/26/2023 **Survey Start Time:** 04:27 PM **Survey End Time:** 04:45 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:** 10-25%

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Baccharis sarothroides - broom baccharis	<1%
Callitriche marginata - winged water-starwort	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	<1%
Grindelia camporum - gumplant	<1%
Juncus bufonius - toad rush	1-5%
Lepidium nitidum - shining peppergrass	<1%
Plagiobothrys acanthocarpus - adobe popcornflower	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	50-75%

Nonnative Species in Pool:

Species Name	Cover
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	<1%
Hedypnois rhagadioloides - crete weed	<1%
Hordeum marinum ssp. *gussoneanum* - Mediterranean barley	<1%
Logfia gallica - daggerleaf cottonrose	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	1-5%
Polypogon monspeliensis - rabbitfoot grass	<1%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 9

Additional Information:

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

Fiscal Year: 2023

Complex Name: Clayton Parcel (J2) **VP ID:** 876

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Artemisia californica - California sagebrush
Atriplex leucophylla - beach saltbush
Atriplex semibaccata - Australian saltbush
Avena barbata - slender wild oat
Bromus diandrus - ripgut grass
Bromus madritensis - foxtail chess
Crassula connata - pygmy-weed
Deinandra fasciculata - fascicled tarweed
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Erodium cicutarium - redstem filaree
Euphorbia maculata - spotted spurge
Euphorbia misera - cliff spurge
Euphorbia serpens - matted sandmat
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Grindelia camporum - gumplant
Hedypnois rhagadioloides - crete weed
Heterotheca grandiflora - telegraph weed
Hypochaeris glabra - smooth cat's-ear
Isocoma menziesii - coastal goldenbush
Juncus bufonius - toad rush
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Medicago polymorpha - California burclover
Melilotus indicus - annual yellow sweetclover
Mesembryanthemum nodiflorum - slender-leaved iceplant
Mirabilis laevis var. *crassifolia* - wishbone bush
Opuntia littoralis - coast prickly-pear
Pogogyne nudiuscula - Otay mesa mint
Pseudognaphalium luteoalbum - fragrant everlasting cudweed
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rhus integrifolia - lemonade berry

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Clayton Parcel (J2) **VP ID:** 876

Salsola tragus - Russian thistle
Salvia apiana - white sage
Selaginella cinerascens - ashy spike-moss
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Yucca schidigera - Mojave yucca

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/9/2023 **Survey Start Time:** 10:01 AM **Survey End Time:** 10:41 AM

Surveyors: Amy Mattson, Jonathan Mercado

VPHCP Covered Species Present: NAFO,ERAR

Cover of ERAR in Basin: 5-10% **Cover of NAFO in Basin:** <1% **Cover of ORCA in Basin:**

Cover of POAB in Basin: **Cover of PONU in Basin:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Elatine brachysperma - short-seed waterwort	<1%
Juncus bufonius - toad rush	<1%
Lysimachia minima - chaffweed	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Pilularia americana - American pillwort	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Zeltnera venusta - California centaury	10-25%

Nonnative Species in Pool:

Species Name	Cover
Bromus madritensis - foxtail chess	<1%
Erodium botrys - long-beak filaree/storksbill	25-50%
Erodium cicutarium - redstem filaree	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Spergularia bocconi - Boccone's sand-spurrey	<1%

Cover of Nonnative Species in Basin: 25-50% **Nonnative Species Richness in Basin:** 5

Additional Information:

Bare Ground Cover in Basin: 25-50% **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

Fiscal Year: 2023

Complex Name: Goat Mesa (J16-18) **VP ID:** 1141

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Deinandra fasciculata - fascicled tarweed
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Hooveria parviflora - soap plant
Lepidium nitidum - shining peppergrass
Lysimachia arvensis - scarlet pimpernel
Melilotus indicus - annual yellow sweetclover
Myosurus minimus ssp. *apus* - little mouse tail
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Zeltnera venusta - California centaury

Notes: Dry conditions.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/9/2023 **Survey Start Time:** 10:44 AM **Survey End Time:** 11:07 AM

Surveyors: Amy Mattson, Jonathan Mercado

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 10

Other Native Species in Pool:

Species Name	Cover
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	25-50%
Juncus bufonius - toad rush	<1%
Lysimachia minima - chaffweed	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Plagiobothrys acanthocarpus - adobe popcornflower	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Zeltnera venusta - California centaury	1-5%

Nonnative Species in Pool:

Species Name	Cover
Erodium botrys - long-beak filaree/storksbill	5-10%
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lysimachia arvensis - scarlet pimpernel	1-5%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 4

Additional Information:

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

Fiscal Year: 2023

Complex Name: Goat Mesa (J16-18) **VP ID:** 1142

2023 Quantitative Monitoring Data continued

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

Species Name
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Deinandra fasciculata - fascicled tarweed
Erodium botrys - long-beak filaree/storksbill
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Hooveria parviflora- soap plant
Lysimachia arvensis - scarlet pimpernel
Melilotus indicus - annual yellow sweetclover
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Zeltnera venusta - California centaury

Notes: Conditions dry.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/9/2023 **Survey Start Time:** 11:35 AM **Survey End Time:** 12:10 PM

Surveyors: Amy Mattson, Jonathan Mercado

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:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 10

Other Native Species in Pool:

Species Name	Cover
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Elatine brachysperma - short-seed waterwort	<1%
Juncus bufonius - toad rush	<1%
Lasthenia sp.	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Pilularia americana - American pillwort	<1%
Plantago elongata - prairie plantain	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	25-50%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Bromus madritensis - foxtail chess	1-5%
Erodium botrys - long-beak filaree/storksbill	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Logfia gallica - daggerleaf cottonrose	<1%
Spergularia bocconi - Boccone's sand-spurrey	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 6

Additional Information:

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

Fiscal Year: 2023

Complex Name: Goat Mesa (J16-18) **VP ID:** 1189

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon micranthus - Grab Lotus
Artemisia californica - California sagebrush
Bromus madritensis - foxtail chess
Crassula connata - pygmy-weed
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Hooveria parviflora - soap plant
Hypochaeris glabra - smooth cat's-ear
Lamarckia aurea - golden-top
Lasthenia californica - California goldfields
Lepidium nitidum - shining peppergrass
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Plagiobothrys acanthocarpus - adobe popcornflower
Plantago erecta - dot-seed plantain
Schismus barbatus - Mediterranean schismus

Notes: Dry conditions.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/9/2023 **Survey Start Time:** 12:15 PM **Survey End Time:** 12:54 PM

Surveyors: Amy Mattson, Jonathan Mercado

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 12

Other Native Species in Pool:

Species Name	Cover
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Elatine brachysperma - short-seed waterwort	<1%
Juncus dubius - mariposa rush	<1%
Marsilea vestita - hairy waterclover	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Plantago elongata - prairie plantain	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	25-50%
Triglochin scilloides - flowering-quillwort	1-5%
Verbena bracteata - bract vervain	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Bromus madritensis - foxtail chess	<1%
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Logfia gallica - daggerleaf cottonrose	<1%
Lythrum hyssopifolia - grass poly	10-25%
Polypogon monspeliensis - rabbitfoot grass	<1%
Spergularia sp.	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 8

Additional Information:

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: >16 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Goat Mesa (J16-18) **VP ID:** 1775

2023 Quantitative Monitoring Data continued

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

Species Name
Artemisia californica - California sagebrush
Avena sp.
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Deinandra fasciculata - fascicled tarweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Hooveria parviflora - soap plant
Juncus bufonius - toad rush
Lamarckia aurea - golden-top
Lasthenia californica - California goldfields
Lepidium nitidum - shining peppergrass
Logfia gallica - daggerleaf cottonrose
Lythrum hyssopifolia - grass poly
Mirabilis laevis var. *crassifolia* - wishbone bush
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rhus integrifolia - lemonade berry
Selaginella cinerascens - ashy spike-moss
Simmondsia chinensis - jojoba
Zeltnera venusta - California centaury

Notes: Conditions dry.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/9/2023 **Survey Start Time:** 12:57 PM **Survey End Time:** 01:20 PM

Surveyors: Amy Mattson, Jonathan Mercado

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:**

Cover of Native Species in Basin: >75% **Native Species Richness in Basin:** 9

Other Native Species in Pool:

Species Name	Cover
Deinandra fasciculata - fascicled tarweed	<1%
Juncus bufonius - toad rush	<1%
Lepidium nitidum - shining peppergrass	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Pilularia americana - American pillwort	<1%
Plagiobothrys acanthocarpus - adobe popcornflower	<1%
Plantago elongata - prairie plantain	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	>75%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Lythrum hyssopifolia - grass poly	<1%
Spergularia sp.	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 4

Additional Information:

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

Fiscal Year: 2023

Complex Name: Goat Mesa (J16-18) **VP ID:** 1920

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon micranthus - Grab Lotus
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Deinandra fasciculata - fascicled tarweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lasthenia californica - California goldfields
Lepidium nitidum - shining peppergrass
Logfia gallica - daggerleaf cottonrose
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Spergularia sp.
Zeltnera venusta - California centaury

Notes: Dry conditions.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/9/2023 **Survey Start Time:** 08:44 AM **Survey End Time:** 10:00 AM

Surveyors: Jonathan Mercado, Amy Mattson

VPHCP Covered Species Present: NAFO,ERAR

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:**

Cover of Native Species in Basin: >75% **Native Species Richness in Basin:** 12

Other Native Species in Pool:

Species Name	Cover
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Eleocharis macrostachya - pale spike-rush	<1%
Juncus bufonius - toad rush	<1%
Lepidium nitidum - shining peppergrass	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Pilularia americana - American pillwort	<1%
Plagiobothrys acanthocarpus - adobe popcornflower	<1%
Simmondsia chinensis - jojoba	<1%
Zeltnera venusta - California centaury	10-25%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Erodium sp.	1-5%
Lysimachia arvensis - scarlet pimpernel	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 4

Additional Information:

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

Fiscal Year: 2023

Complex Name: Goat Mesa (J16-18) **VP ID:** 2642

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Brassica nigra - black mustard
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Deinandra fasciculata - fascicled tarweed
Erodium sp.
Festuca myuros - rattail sixweeks grass
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Melilotus indicus - annual yellow sweetclover
Plantago elongata - prairie plantain
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa lepida - foothill needle grass
Zeltnera venusta - California centaury

Notes: Condition dry.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/6/2023 **Survey Start Time:** 01:45 PM **Survey End Time:** 02:26 PM

Surveyors: Sara Allen, Perla Ochoa, Adam Skinner, Jason 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: 25-50% **Cover of PONU in Basin:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Callitriche marginata - winged water-starwort	1-5%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Eleocharis macrostachya - pale spike-rush	10-25%
Eriogonum fasciculatum - California buckwheat	<1%
Juncus bufonius - toad rush	5-10%
Opuntia littoralis - coast prickly-pear	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%

Nonnative Species in Pool:

Species Name	Cover
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lythrum hyssopifolia - grass poly	5-10%
Polypogon monspeliensis - rabbitfoot grass	1-5%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 6

Additional Information:

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

Fiscal Year: 2023

Complex Name: Greystone Torrey Highlands (H39) **VP ID:** 1177

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Amsinckia intermedia - common fiddleneck
Antirrhinum nuttallianum - Nuttall's Snapdragon
Artemisia californica - California sagebrush
Baccharis pilularis - coyote brush
Bahiopsis laciniata - San Diego viguiera
Bromus madritensis - foxtail chess
Croton setiger - doveweed
Deinandra fasciculata - fascicled tarweed
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Festuca myuros - rattail sixweeks grass
Geranium carolinianum - Carolina geranium
Helminthotheca echioides - bristly ox-tongue
Heteromeles arbutifolia - toyon
Juncus bufonius - toad rush
Lactuca serriola - prickly lettuce
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Navarretia hamata - hooked skunkweed
Opuntia littoralis - coast prickly-pear
Pogogyne abramsii - San Diego mesa mint
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Salvia mellifera - black sage
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stephanomeria diegensis - San Diego wreath-plant
Yucca schidigera - Mojave yucca

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cubic (U19) **VP ID:** 771

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

2023 Quantitative Monitoring Data

Survey Date: 5/18/2023 **Survey Start Time:** 10:05 AM **Survey End Time:** 10:48 AM

Surveyors: Adam Skinner, Nathan Taylor, Sara Allen, Frank Santana

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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 9

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Callitriche marginata - winged water-starwort	10-25%
Deschampsia danthonioides - annual hair grass	1-5%
Downingia cuspidata - toothed downingia	<1%
Elatine brachysperma - short-seed waterwort	<1%
Juncus bufonius - toad rush	1-5%
Sisyrinchium bellum - western blue-eyed-grass	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Avena barbata - slender wild oat	<1%
Bromus hordeaceus - soft chess	<1%
Erodium botrys - long-beak filaree/storksbill	<1%
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	10-25%
Gastridium phleoides - nit grass	<1%
Lythrum hyssopifolia - grass poly	1-5%
Polypogon monspeliensis - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 25-50% **Nonnative Species Richness in Basin:** 8

Additional Information:

Bare Ground Cover in Basin: 5-10% **Cover of Rocks/Cobble in Basin:** <1% **Cover of Litter in Basin:** 5-10%

Days Since Last Rain: >16 **Ponded Water Present:** no

Dead Species Present in Pool: No

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cubic (U19) **VP ID:** 771

2023 Quantitative Monitoring Data continued

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

Species Name
Acacia sp.
Acmispon glaber var. *glaber* - deerweed
Adenostoma fasciculatum - chamise
Avena barbata - slender wild oat
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus madritensis - foxtail chess
Crocanthemum scoparium - peak rush-rose
Croton setiger - doveweed
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Juncus bufonius - toad rush
Lythrum hyssopifolia - grass poly
Selaginella cinerascens - ashy spike-moss
Sisyrinchium bellum - western blue-eyed-grass
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cubic (U19) **VP ID:** 778

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

2023 Quantitative Monitoring Data

Survey Date: 5/18/2023 **Survey Start Time:** 10:54 AM **Survey End Time:** 11:23 AM

Surveyors: Adam Skinner, Nathan Taylor, Sara Allen, Frank Santana

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 6

Other Native Species in Pool:

Species Name	Cover
Baccharis sarothroides - broom baccharis	<1%
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Deschampsia danthonioides - annual hair grass	5-10%
Eleocharis macrostachya - pale spike-rush	5-10%
Juncus bufonius - toad rush	1-5%
Stipa pulchra - purple needle grass	1-5%

Nonnative Species in Pool:

Species Name	Cover
Avena barbata - slender wild oat	1-5%
Erodium botrys - long-beak filaree/storksbill	<1%
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	5-10%
Lythrum hyssopifolia - grass poly	5-10%
Polypogon monspeliensis - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 6

Additional Information:

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: No

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cubic (U19) **VP ID:** 778

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Avena barbata - slender wild oat
Baccharis sarothroides - broom baccharis
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus madritensis - foxtail chess
Chorizanthe polygonoides var. *longispina* - long-spined spineflower
Croton setiger - doveweed
Deinandra fasciculata - fascicled tarweed
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Rumex crispus - curly dock
Selaginella cinerascens - ashy spike-moss

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Cubic (U19) **VP ID:** 790

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

2023 Quantitative Monitoring Data

Survey Date: 5/18/2023 **Survey Start Time:** 09:06 AM **Survey End Time:** 09:57 AM

Surveyors: Sara Allen, Nathan Taylor, Frank Santana, Adam Skinner

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:**

Cover of Native Species in Basin: 1-5% **Native Species Richness in Basin:** 4

Other Native Species in Pool:

Species Name	Cover
Croton setiger - doveweed	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Juncus bufonius - toad rush	<1%

Nonnative Species in Pool:

Species Name	Cover
Avena fatua - wild oat	<1%
Bromus rubens - red brome	<1%
Erodium botrys - long-beak filaree/storksbill	10-25%
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Festuca perennis - rye grass	10-25%
Lythrum hyssopifolia - grass poly	1-5%
Pennisetum setaceum - crimson fountain grass	<1%

Cover of Nonnative Species in Basin: 25-50% **Nonnative Species Richness in Basin:** 8

Additional Information:

Bare Ground Cover in Basin: 25-50% **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

Fiscal Year: 2023

Complex Name: Cubic (U19) **VP ID:** 790

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon americanus var. *americanus* - Spanish lotus
Acmispon glaber var. *glaber* - deerweed
Amaranthus albus - tumbleweed
Avena fatua - wild oat
Baccharis sarothroides - broom baccharis
Bromus diandrus - ripgut grass
Bromus madritensis - foxtail chess
Crocanthemum scoparium - peak rush-rose
Croton setiger - doveweed
Erodium botrys - long-beak filaree/storksbill
Euphorbia maculata - spotted spurge
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Hooveria parviflora - soap plant
Lythrum hyssopifolia - grass poly
Medicago polymorpha - California burclover
Pennisetum setaceum - crimson fountain grass
Polypogon monspeliensis - rabbitfoot grass
Sisyrinchium bellum - western blue-eyed-grass
Sonchus oleraceus - common sow thistle

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/31/2023 **Survey Start Time:** 10:46 AM **Survey End Time:** 11:55 AM

Surveyors: Ryan Meszaros, Kelsey Woldt

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:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 22

Other Native Species in Pool:

Species Name	Cover
Agrostis microphylla - small-leaf bent grass	<1%
Allium haematochiton - red-skin onion	<1%
Brodiaea Orcuttii - Orcutt's brodiaea	5-10%
Crassula aquatica - water pygmyweed	<1%
Crassula connata - pygmy-weed	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	1-5%
Downingia cuspidata - toothed downingia	5-10%
Elatine brachysperma - short-seed waterwort	<1%
Hooveria parviflora - soap plant	<1%
Hordeum intercedens - bobtail barley	<1%
Isoetes orcuttii - Orcutt's quillwort	1-5%
Juncus bufonius - toad rush	1-5%
Lysimachia minima - chaffweed	<1%
Navarretia hamata - hooked skunkweed	<1%
Phalaris lemmonii - Lemmon's canary grass	<1%
Pilularia americana - American pillwort	<1%
Plantago elongata - prairie plantain	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Triglochin scilloides - flowering-quillwort	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Avena barbata - slender wild oat	<1%
Bromus hordeaceus - soft chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Gastridium phleoides - nit grass	<1%
Lythrum hyssopifolia - grass poly	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 5

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Lopez Ridge (B7-8) **VP ID:** 706

Additional Information:

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

Fiscal Year: 2023

Complex Name: Lopez Ridge (B7-8) **VP ID:** 706

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Acmispon micranthus - Grab Lotus
Adenostoma fasciculatum - chamise
Agrostis microphylla - small-leaf bent grass
Allium haematochiton - red-skin onion
Amsinckia sp.
Antirrhinum nuttallianum - Nuttall's Snapdragon
Apiastrum angustifolium - mock-parsley
Avena barbata - slender wild oat
Bloomeria clevelandii - San Diego goldenstar
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus hordeaceus - soft chess
Bromus rubens - red brome
Callitriche marginata - winged water-starwort
Castilleja densiflora ssp. *gracilis* - graceful owl's clover
Ceanothus tomentosus - Ramona-lilac
Centaurea melitensis - tocalote
Clarkia purpurea ssp. *quadrivulnera* - four-spot
Crassula aquatica - water pygmyweed
Crassula connata - pygmy-weed
Crocanthemum scoparium - peak rush-rose
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dipterostemon capitatus - blue dicks
Downingia cuspidata - toothed downingia
Eriophyllum confertiflorum var. *confertiflorum* - long-stem golden-yarrow
Erodium sp.
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Hedypnois rhagadioloides - crete weed
Hooveria parviflora
Hordeum intercedens - bobtail barley
Hypochaeris glabra - smooth cat's-ear
Isoetes orcuttii - Orcutt's quillwort
Juncus bufonius - toad rush
Logfia gallica - daggerleaf cottonrose
Lupinus bicolor - miniature lupine

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Lopez Ridge (B7-8) **VP ID:** 706

Lythrum hyssopifolia - grass poly
Malosma laurina - laurel sumac
Microseris douglasii ssp. *platycarpha* - small-flowered microseris
Muilla maritima - common muilla
Navarretia hamata - hooked skunkweed
Nuttallanthus texanus - blue toadflax
Osmadenia tenella - osmadenia
Pentachaeta aurea ssp. *aurea* - golden-rayed pentachaeta
Pentagramma glandulovisicida - San Diego silverback fern
Phalaris lemmonii - Lemmon's canary grass
Plantago erecta - dot-seed plantain
Pogogyne abramsii - San Diego mesa mint
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Salvia mellifera - black sage
Selaginella cinerascens - ashy spike-moss
Silene gallica - windmill pink
Sonchus oleraceus - common sow thistle
Stipa pulchra - purple needle grass
Stylocline gnaphaloides - everlasting neststraw
Toxicoscordion fremontii - Fremont's camas
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/31/2023 **Survey Start Time:** 09:02 AM **Survey End Time:** 10:25 AM

Surveyors: Ryan Mezsaros, Kelsey Woldt

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 20

Other Native Species in Pool:

Species Name	Cover
Agrostis microphylla - small-leaf bent grass	<1%
Brodiaea Orcuttii - Orcutt's brodiaea	1-5%
Callitriche marginata - winged water-starwort	<1%
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	1-5%
Isoetes orcuttii - Orcutt's quillwort	<1%
Juncus bufonius - toad rush	1-5%
Lysimachia minima - chaffweed	1-5%
Muilla maritima - common muilla	<1%
Navarretia hamata - hooked skunkweed	5-10%
Pilularia americana - American pillwort	1-5%
Plantago elongata - prairie plantain	<1%
Pogogyne abramsii - San Diego mesa mint	5-10%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	5-10%
Psilocarphus tenellus - slender woolly-marbles	<1%
Selaginella cinerascens - ashy spike-moss	<1%
Zeltnera venusta - California centaury	1-5%

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: <1% **Nonnative Species Richness in Basin:** 4

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Lopez Ridge (B7-8) **VP ID:** 712

Additional Information:

Bare Ground Cover in Basin: 50-75% **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

Fiscal Year: 2023

Complex Name: Lopez Ridge (B7-8) **VP ID:** 712

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Adenostoma fasciculatum - chamise
Agrostis microphylla - small-leaf bent grass
Antirrhinum nuttallianum - Nuttall's Snapdragon
Apiastrum angustifolium - mock-parsley
Avena barbata - slender wild oat
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus hordeaceus - soft chess
Bromus rubens - red brome
Castilleja densiflora ssp. *gracilis* - graceful owl's clover
Ceanothus tomentosus - Ramona-lilac
Centaurea melitensis - tocalote
Clarkia purpurea ssp. *quadrivulnera* - four-spot
Crassula connata - pygmy-weed
Cryptantha sp.
Cuscuta californica - chaparral dodder
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Dipterostemon capitatus - blue dicks
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Hedypnois rhagadioloides - crete weed
Hooveria parviflora - soap plant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Logfia gallica - daggerleaf cottonrose
Lupinus bicolor - miniature lupine
Lysimachia arvensis - scarlet pimpernel
Lysimachia minima - chaffweed
Malosma laurina - laurel sumac
Muilla maritima - common muilla
Navarretia hamata - hooked skunkweed
Nuttallanthus texanus - blue toadflax
Osmadenia tenella - osmadenia
Pentachaeta aurea ssp. *aurea* - golden-rayed pentachaeta
Pentagramma glanduloviscida - San Diego silverback fern
Phalaris minor - little-seeded canary grass
Plantago erecta - dot-seed plantain

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Lopez Ridge (B7-8) **VP ID:** 712

Pseudognaphalium californicum - California everlasting
Selaginella cinerascens - ashy spike-moss
Silene gallica - windmill pink
Sisyrinchium bellum - western blue-eyed-grass
Sonchus oleraceus - common sow thistle
Stipa pulchra - purple needle grass
Stylocline gnaphaloides - everlasting neststraw
Trifolium depauperatum var. *amplectens* - pale sack clover
Xylococcus bicolor - mission manzanita
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/24/2023 **Survey Start Time:** 09:49 AM **Survey End Time:** 10:45 AM

Surveyors: JRS, CAP, (RECON) Frank Santana (CITY)

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 20

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Callitriche marginata - winged water-starwort	<1%
Crassula aquatica - water pygmyweed	<1%
Croton setiger - doveweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	10-25%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	5-10%
Holocarpha virgata ssp. *elongata* - graceful tarplant	<1%
Isoetes howellii - Howell's quillwort	<1%
Isoetes orcuttii - Orcutt's quillwort	10-25%
Juncus bufonius - toad rush	1-5%
Phalaris lemmonii - Lemmon's canary grass	<1%
Pilularia americana - American pillwort	<1%
Plagiobothrys acanthocarpus - adobe popcornflower	<1%
Pogogyne abramsii - San Diego mesa mint	1-5%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Trichostema lanceolatum - vinegar weed	<1%
Triglochin scilloides - flowering-quillwort	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Erodium botrys - long-beak filaree/storksbill	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lythrum hyssopifolia - grass poly	1-5%
Polypogon monspeliensis - rabbitfoot grass	1-5%
Silene gallica - windmill pink	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 6

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 4256

Additional Information:

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

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 4256

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon americanus var. *americanus* - Spanish lotus
Acmispon micranthus - Grab Lotus
Adenostoma fasciculatum - chamise
Artemisia californica - California sagebrush
Avena barbata - slender wild oat
Bloomeria clevelandii - San Diego goldenstar
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Calochortus splendens - splendid mariposa lily
Crassula aquatica - water pygmyweed
Crassula connata - pygmy-weed
Croton setiger - doveweed
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Distichlis spicata - salt grass
Dittrichia graveolens - stinkwort
Downingia cuspidata - toothed downingia
Eleocharis macrostachya - pale spike-rush
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Eschscholzia californica - California poppy
Euphorbia maculata - spotted spurge
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hooveria parviflora - soap plant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lythrum hyssopifolia - grass poly
Navarretia hamata - hooked skunkweed
Nuttallanthus texanus - blue toadflax
Pogogyne abramsii - San Diego mesa mint
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Selaginella cinerascens - ashy spike-moss
Silene gallica - windmill pink

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 4256

Sonchus asper ssp. *asper* - prickly sow thistle
Spergularia bocconi - Boccone's sand-spurrey
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/24/2023 **Survey Start Time:** 10:47 AM **Survey End Time:** 12:00 AM

Surveyors: JRS, CAP, (RECON) Frank Santana (CITY)

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	5-10%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	5-10%
Isoetes orcuttii - Orcutt's quillwort	5-10%
Juncus bufonius - toad rush	1-5%
Pilularia americana - American pillwort	<1%
Pogogyne abramsii - San Diego mesa mint	1-5%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 5

Additional Information:

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

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 4596

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon americanus var. *americanus* - Spanish lotus
Artemisia californica - California sagebrush
Avena barbata - slender wild oat
Baccharis sarothroides - broom baccharis
Bloomeria clevelandii - San Diego goldenstar
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Calochortus splendens - splendid mariposa lily
Crassula connata - pygmy-weed
Croton setiger - doveweed
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Downingia cuspidata - toothed downingia
Eleocharis macrostachya - pale spike-rush
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Hedypnois rhagadioloides - crete weed
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lythrum hyssopifolia - grass poly
Navarretia hamata - hooked skunkweed
Pilularia americana - American pillwort
Pogogyne abramsii - San Diego mesa mint
Polypogon monspeliensis - rabbitfoot grass
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Silene gallica - windmill pink
Sonchus asper ssp. *asper* - prickly sow thistle

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/24/2023 **Survey Start Time:** 11:36 AM **Survey End Time:** 12:00 AM

Surveyors: JRS, CAP, (RECON) Frank Santana (CITY)

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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 15

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Crassula aquatica - water pygmyweed	<1%
Crassula connata - pygmy-weed	<1%
Croton setiger - doveweed	<1%
Downingia cuspidata - toothed downingia	1-5%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	<1%
Isoetes orcuttii - Orcutt's quillwort	1-5%
Juncus bufonius - toad rush	<1%
Pilularia americana - American pillwort	1-5%
Plagiobothrys sp.	<1%
Pogogyne abramsii - San Diego mesa mint	5-10%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Triglochin scilloides - flowering-quillwort	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lythrum hyssopifolia - grass poly	1-5%
Polypogon monspeliensis - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 4

Additional Information:

Bare Ground Cover in Basin: 50-75% **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

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 5352

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon americanus var. *americanus* - Spanish lotus
Adenostoma fasciculatum - chamise
Artemisia californica - California sagebrush
Avena barbata - slender wild oat
Baccharis sarothroides - broom baccharis
Bloomeria clevelandii - San Diego goldenstar
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Calochortus splendens - splendid mariposa lily
Croton setiger - doveweed
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Downingia cuspidata - toothed downingia
Eleocharis macrostachya - pale spike-rush
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Galium aparine - goose grass
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hooveria parviflora - soap plant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lythrum hyssopifolia - grass poly
Navarretia hamata - hooked skunkweed
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Selaginella cinerascens - ashy spike-moss
Trifolium depauperatum var. *amplectens* - pale sack clover
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/24/2023 **Survey Start Time:** 12:21 PM **Survey End Time:** 12:00 AM

Surveyors: JRS, CAP, (RECON) Frank Santana (CITY)

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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 14

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	1-5%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Isoetes orcuttii - Orcutt's quillwort	5-10%
Juncus bufonius - toad rush	<1%
Lysimachia minima - chaffweed	<1%
Navarretia hamata - hooked skunkweed	<1%
Plagiobothrys acanthocarpus - adobe popcornflower	<1%
Plantago elongata - prairie plantain	<1%
Plantago erecta - dot-seed plantain	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Selaginella cinerascens - ashy spike-moss	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Erodium botrys - long-beak filaree/storksbill	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Gastridium phleoides - nit grass	<1%
Lythrum hyssopifolia - grass poly	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 6

Additional Information:

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: >16 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 5355

2023 Quantitative Monitoring Data continued

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

Species Name
Acacia sp.
Acmispon glaber var. *glaber* - deerweed
Acmispon micranthus - Grab Lotus
Artemisia californica - California sagebrush
Baccharis sarothroides - broom baccharis
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Calochortus splendens - splendid mariposa lily
Crassula connata - pygmy-weed
Croton setiger - doveweed
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Logfia gallica - daggerleaf cottonrose
Lythrum hyssopifolia - grass poly
Malosma laurina - laurel sumac
Muilla maritima - common muilla
Navarretia hamata - hooked skunkweed
Nuttallanthus texanus - blue toadflax
Plantago erecta - dot-seed plantain
Selaginella cinerascens - ashy spike-moss
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/1/2023 **Survey Start Time:** 10:39 AM **Survey End Time:** 11:07 AM

Surveyors: JRS, Frank Santana

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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 15

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Crassula aquatica - water pygmyweed	<1%
Croton setiger - doveweed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	<1%
Isoetes orcuttii - Orcutt's quillwort	5-10%
Juncus bufonius - toad rush	<1%
Phalaris lemmonii - Lemmon's canary grass	<1%
Pilularia americana - American pillwort	5-10%
Pogogyne abramsii - San Diego mesa mint	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Veronica peregrina ssp. *xalapensis* - purslane speedwell	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Hypochaeris glabra - smooth cat's-ear	<1%
Lythrum hyssopifolia - grass poly	5-10%
Polypogon monspeliensis - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 5

Additional Information:

Bare Ground Cover in Basin: 50-75% **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

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 5356

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon americanus var. *americanus* - Spanish lotus
Acmispon glaber var. *glaber* - deerweed
Avena barbata - slender wild oat
Avena sp.
Baccharis sarothroides - broom baccharis
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Croton setiger - doveweed
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Galium aparine - goose grass
Hirschfeldia incana - short-pod mustard
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lactuca serriola - prickly lettuce
Logfia gallica - daggerleaf cottonrose
Lythrum hyssopifolia - grass poly
Nuttallanthus texanus - blue toadflax
Osmadenia tenella - osmadenia
Phalaris lemmonii - Lemmon's canary grass
Pogogyne abramsii - San Diego mesa mint
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Selaginella cinerascens - ashy spike-moss
Silene gallica - windmill pink
Uropappus lindleyi - silver puffs

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/1/2023 **Survey Start Time:** 09:37 AM **Survey End Time:** 10:32 AM

Surveyors: JRS, Frank Santana

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 17

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	1-5%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	<1%
Holocarpha virgata ssp. *elongata* - graceful tarplant	<1%
Isoetes orcuttii - Orcutt's quillwort	<1%
Juncus bufonius - toad rush	5-10%
Microseris douglasii ssp. *platycarpha* - small-flowered microseris	<1%
Phalaris lemmonii - Lemmon's canary grass	1-5%
Pilularia americana - American pillwort	1-5%
Plagiobothrys sp.	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	5-10%
Triglochin scilloides - flowering-quillwort	<1%

Nonnative Species in Pool:

Species Name	Cover
Dittrichia graveolens - stinkwort	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lythrum hyssopifolia - grass poly	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 4

Additional Information:

Bare Ground Cover in Basin: 25-50% **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

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 5358

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon americanus var. *americanus* - Spanish lotus
Acmispon glaber var. *glaber* - deerweed
Avena sp.
Baccharis sarothroides - broom baccharis
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Castilleja sp.
Centaurea melitensis - tocalote
Croton setiger - doveweed
Cyperus eragrostis - tall flatsedge
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dittrichia graveolens - stinkwort
Eleocharis macrostachya - pale spike-rush
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Galium aparine - goose grass
Hirschfeldia incana - short-pod mustard
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Juncus sp.
Lactuca serriola - prickly lettuce
Logfia gallica - daggerleaf cottonrose
Lythrum hyssopifolia - grass poly
Navarretia fossalis - spreading navarretia
Nuttallanthus texanus - blue toadflax
Opuntia littoralis - coast prickly-pear
Pennisetum setaceum - crimson fountain grass
Pogogyne abramsii - San Diego mesa mint
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium biolettii - bicolor cudweed
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Sonchus oleraceus - common sow thistle
Stephanomeria sp.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 5358

Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/1/2023 **Survey Start Time:** 12:04 PM **Survey End Time:** 12:32 AM

Surveyors: JRS, Frank Santana

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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 16

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	<1%
Eleocharis macrostachya - pale spike-rush	<1%
Holocarpha virgata ssp. *elongata* - graceful tarplant	<1%
Isoetes orcuttii - Orcutt's quillwort	5-10%
Juncus bufonius - toad rush	1-5%
Lysimachia minima - chaffweed	<1%
Navarretia hamata - hooked skunkweed	<1%
Pilularia americana - American pillwort	<1%
Pogogyne abramsii - San Diego mesa mint	1-5%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	5-10%
Trichostema lanceolatum - vinegar weed	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lythrum hyssopifolia - grass poly	<1%
Polypogon monspeliensis - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 4

Additional Information:

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: >16 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 5363

2023 Quantitative Monitoring Data continued

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

Species Name
Baccharis sarothroides - broom baccharis
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus diandrus - ripgut grass
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Croton setiger - doveweed
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Downingia cuspidata - toothed downingia
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Hirschfeldia incana - short-pod mustard
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Logfia gallica - daggerleaf cottonrose
Lythrum hyssopifolia - grass poly
Microseris douglasii ssp. *platycarpha* - small-flowered microseris
Navarretia hamata - hooked skunkweed
Nuttallanthus texanus - blue toadflax
Pilularia americana - American pillwort
Pogogyne abramsii - San Diego mesa mint
Polypogon monspeliensis - rabbitfoot grass
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Selaginella cinerascens - ashy spike-moss
Sonchus asper ssp. *asper* - prickly sow thistle
Stebbinsoseris heterocarpa - grassland silverpuffs
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/24/2023 **Survey Start Time:** 02:24 PM **Survey End Time:** 12:00 AM

Surveyors: JRS, CAP, (RECON) Frank Santana (CITY)

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 17

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Crassula aquatica - water pygmyweed	1-5%
Croton setiger - doveweed	<1%
Cyperus eragrostis - tall flatsedge	<1%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	5-10%
Eleocharis macrostachya - pale spike-rush	1-5%
Holocarpha virgata ssp. *elongata* - graceful tarplant	<1%
Isoetes orcuttii - Orcutt's quillwort	1-5%
Juncus bufonius - toad rush	1-5%
Phalaris lemmonii - Lemmon's canary grass	1-5%
Pilularia americana - American pillwort	<1%
Plagiobothrys sp.	<1%
Plantago elongata - prairie plantain	<1%
Pogogyne abramsii - San Diego mesa mint	5-10%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	5-10%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Cotula coronopifolia - brass-buttons	<1%
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	<1%
Lythrum hyssopifolia - grass poly	<1%
Phalaris aquatica - harding grass	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%
Rumex crispus - curly dock	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 9

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 5369

Additional Information:

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: >16 **Ponded Water Present:** no

Dead Species Present in Pool:

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon americanus var. *americanus* - Spanish lotus
Acmispon micranthus - Grab Lotus
Avena sp.
Baccharis sarothroides - broom baccharis
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Croton setiger - doveweed
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Galium aparine - goose grass
Gazania linearis - treasure flower
Hirschfeldia incana - short-pod mustard
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lythrum hyssopifolia - grass poly
Nuttallanthus texanus - blue toadflax
Phalaris aquatica - harding grass
Rumex crispus - curly dock
Silene gallica - windmill pink
Sonchus oleraceus - common sow thistle
Stebbinsoseris heterocarpa - grassland silverpuffs
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/24/2023 **Survey Start Time:** 01:44 PM **Survey End Time:** 12:00 AM

Surveyors: JRS, CAP, (RECON) Frank Santana (CITY)

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 19

Other Native Species in Pool:

Species Name	Cover
Acmispon americanus var. *americanus* - Spanish lotus	<1%
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Castilleja exserta ssp. *exserta* - purple owl's clover	<1%
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	<1%
Holocarpha virgata ssp. *elongata* - graceful tarplant	<1%
Hordeum intercedens - bobtail barley	<1%
Isoetes orcuttii - Orcutt's quillwort	1-5%
Juncus bufonius - toad rush	1-5%
Lysimachia minima - chaffweed	<1%
Phalaris lemmonii - Lemmon's canary grass	10-25%
Pilularia americana - American pillwort	<1%
Plagiobothrys sp.	<1%
Plantago elongata - prairie plantain	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Veronica peregrina ssp. *xalapensis* - purslane speedwell	<1%

Nonnative Species in Pool:

Species Name	Cover
Avena sp.	<1%
Bromus hordeaceus - soft chess	<1%
Bromus rubens - red brome	<1%
Cotula coronopifolia - brass-buttons	<1%
Festuca myuros - rattail sixweeks grass	<1%
Gazania linearis - treasure flower	<1%
Hypochaeris glabra - smooth cat's-ear	<1%
Lythrum hyssopifolia - grass poly	<1%
Phalaris aquatica - harding grass	1-5%

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 5371

Plantago coronopus - cut-leaf plantain	1-5%
Polypogon monspeliensis - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 25-50% **Nonnative Species Richness in Basin:** 11

Additional Information:

Bare Ground Cover in Basin: 25-50% **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

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 5371

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon americanus var. *americanus* - Spanish lotus
Avena barbata - slender wild oat
Avena sp.
Baccharis sarothroides - broom baccharis
Brachypodium distachyon - purple false brome
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Gazania linearis - treasure flower
Hedypnois rhagadioloides - crete weed
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Malosma laurina - laurel sumac
Medicago polymorpha - California burclover
Melilotus indicus - annual yellow sweetclover
Pennisetum setaceum - crimson fountain grass
Plantago coronopus - cut-leaf plantain
Pogogyne abramsii - San Diego mesa mint
Polypogon monspeliensis - rabbitfoot grass
Silene gallica - windmill pink
Sonchus asper ssp. *asper* - prickly sow thistle
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/24/2023 **Survey Start Time:** 07:33 AM **Survey End Time:** 09:06 AM

Surveyors: JRS, CAP, (RECON) Frank Santana (CITY)

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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 23

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Crassula aquatica - water pygmyweed	<1%
Crassula connata - pygmy-weed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	1-5%
Downingia cuspidata - toothed downingia	<1%
Elatine brachysperma - short-seed waterwort	<1%
Holocarpha virgata ssp. *elongata* - graceful tarplant	<1%
Hooveria parviflora - soap plant	<1%
Isoetes orcuttii - Orcutt's quillwort	1-5%
Juncus bufonius - toad rush	<1%
Lysimachia minima - chaffweed	<1%
Muilla maritima - common muilla	<1%
Navarretia hamata - hooked skunkweed	<1%
Osmadenia tenella - osmadenia	<1%
Pilularia americana - American pillwort	<1%
Plagiobothrys sp.	<1%
Plantago elongata - prairie plantain	<1%
Plantago erecta - dot-seed plantain	<1%
Pogogyne abramsii - San Diego mesa mint	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Selaginella bigelovii - Bigelow's spike-moss	5-10%

Nonnative Species in Pool:

Species Name	Cover
Avena barbata - slender wild oat	<1%
Bromus hordeaceus - soft chess	<1%
Festuca myuros - rattail sixweeks grass	5-10%
Gastridium phleoides - nit grass	1-5%
Hypochaeris glabra - smooth cat's-ear	<1%

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 5388

Lythrum hyssopifolia - grass poly	<1%
Spergularia sp.	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 7

Additional Information:

Bare Ground Cover in Basin: 50-75% **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:

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Artemisia californica - California sagebrush
Bloomeria clevelandii - San Diego goldenstar
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Croton setiger - doveweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca perennis - rye grass
Nuttallanthus texanus - blue toadflax
Selaginella bigelovii - Bigelow's spike-moss

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/24/2023 **Survey Start Time:** 09:10 AM **Survey End Time:** 09:44 AM

Surveyors: JRS, CAP, (RECON) Frank Santana (CITY)

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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 18

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	1-5%
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	1-5%
Holocarpha virgata ssp. *elongata* - graceful tarplant	<1%
Isoetes orcuttii - Orcutt's quillwort	1-5%
Juncus bufonius - toad rush	1-5%
Lysimachia minima - chaffweed	<1%
Navarretia hamata - hooked skunkweed	<1%
Osmadenia tenella - osmadenia	<1%
Pilularia americana - American pillwort	<1%
Plantago elongata - prairie plantain	<1%
Plantago erecta - dot-seed plantain	<1%
Pogogyne abramsii - San Diego mesa mint	1-5%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Selaginella cinerascens - ashy spike-moss	<1%

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 4

Additional Information:

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: >16 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 5423

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Adenostoma fasciculatum - chamise
Artemisia californica - California sagebrush
Avena barbata - slender wild oat
Bloomeria clevelandii - San Diego goldenstar
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Crassula connata - pygmy-weed
Crocanthemum scoparium - peak rush-rose
Croton setiger - doveweed
Deinandra fasciculata - fascicled tarweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hooveria parviflora - soap plant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Navarretia hamata - hooked skunkweed
Nuttallanthus texanus - blue toadflax
Osmadenia tenella - osmadenia
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Selaginella cinerascens - ashy spike-moss

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/24/2023 **Survey Start Time:** 12:50 PM **Survey End Time:** 01:07 PM

Surveyors: JRS, CAP, (RECON) Frank Santana (CITY)

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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 10

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Croton setiger - doveweed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	1-5%
Elatine brachysperma - short-seed waterwort	<1%
Isoetes orcuttii - Orcutt's quillwort	5-10%
Juncus bufonius - toad rush	<1%
Pogogyne abramsii - San Diego mesa mint	<1%
Veronica peregrina ssp. *xalapensis* - purslane speedwell	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Bromus madritensis - foxtail chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Gastridium phleoides - nit grass	<1%
Lythrum hyssopifolia - grass poly	1-5%
Polypogon monspeliensis - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 6

Additional Information:

Bare Ground Cover in Basin: 50-75% **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

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 6351

2023 Quantitative Monitoring Data continued

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

Species Name
Avena barbata - slender wild oat
Baccharis sarothroides - broom baccharis
Brachypodium distachyon - purple false brome
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Crassula connata - pygmy-weed
Croton setiger - doveweed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lythrum hyssopifolia - grass poly
Malosma laurina - laurel sumac
Pennisetum setaceum - crimson fountain grass
Polypogon monspeliensis - rabbitfoot grass
Quercus berberidifolia - scrub oak
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/1/2023 **Survey Start Time:** 11:25 AM **Survey End Time:** 11:56 AM

Surveyors: JRS, Frank Santana

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 18

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Crassula aquatica - water pygmyweed	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	5-10%
Elatine brachysperma - short-seed waterwort	<1%
Holocarpha virgata ssp. *elongata* - graceful tarplant	<1%
Isoetes orcuttii - Orcutt's quillwort	1-5%
Juncus bufonius - toad rush	<1%
Navarretia hamata - hooked skunkweed	<1%
Phalaris lemmonii - Lemmon's canary grass	<1%
Pilularia americana - American pillwort	1-5%
Plagiobothrys sp.	<1%
Pogogyne abramsii - San Diego mesa mint	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Triglochin scilloides - flowering-quillwort	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Avena sp.	<1%
Bromus hordeaceus - soft chess	<1%
Festuca myuros - rattail sixweeks grass	<1%
Lythrum hyssopifolia - grass poly	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: <1% **Nonnative Species Richness in Basin:** 5

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Montgomery Field (N5-6) **VP ID:** 6384

Additional Information:

Bare Ground Cover in Basin: 25-50% **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:

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Avena sp.
Baccharis sarothroides - broom baccharis
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Croton setiger - doveweed
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Hirschfeldia incana - short-pod mustard
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hypochaeris glabra - smooth cat's-ear
Isocoma menziesii - coastal goldenbush
Juncus bufonius - toad rush
Logfia gallica - daggerleaf cottonrose
Lythrum hyssopifolia - grass poly
Melilotus indicus - annual yellow sweetclover
Navarretia hamata - hooked skunkweed
Nuttallanthus texanus - blue toadflax
Phalaris lemmonii - Lemmon's canary grass
Pilularia americana - American pillwort
Polypogon monspeliensis - rabbitfoot grass
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Selaginella cinerascens - ashy spike-moss
Silene gallica - windmill pink
Stephanomeria sp.
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Nobel Drive (X5) **VP ID:** 666

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

2023 Quantitative Monitoring Data

Survey Date: 5/25/2023 **Survey Start Time:** 12:02 PM **Survey End Time:** 12:53 PM

Surveyors: Adam Skinner, Sara Allen, Nathan Taylor

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 13

Other Native Species in Pool:

Species Name	Cover
Brodiaea Orcuttii - Orcutt's brodiaea	<1%
Callitriche marginata - winged water-starwort	10-25%
Cryptantha sp.	<1%
Deinandra fasciculata - fascicled tarweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Downingia cuspidata - toothed downingia	<1%
Eleocharis macrostachya - pale spike-rush	5-10%
Holocarpha virgata ssp. *elongata* - graceful tarplant	<1%
Juncus bufonius - toad rush	1-5%
Phalaris lemmonii - Lemmon's canary grass	<1%
Plagiobothrys acanthocarpus - adobe popcornflower	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	10-25%

Nonnative Species in Pool:

Species Name	Cover
Cotula coronopifolia - brass-buttons	5-10%
Festuca myuros - rattail sixweeks grass	<1%
Hypochaeris glabra - smooth cat's-ear	<1%
Lythrum hyssopifolia - grass poly	5-10%
Polypogon monspeliensis - rabbitfoot grass	1-5%
Spergularia sp.	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 6

Additional Information:

Bare Ground Cover in Basin: <1% **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: No

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Nobel Drive (X5) **VP ID:** 666

2023 Quantitative Monitoring Data continued

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

Species Name
Avena barbata - slender wild oat
Brodiaea Orcuttii - Orcutt's brodiaea
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Castilleja exserta ssp. *exserta* - purple owl's clover
Clarkia purpurea ssp. *quadrivulnera* - four-spot
Cotula coronopifolia - brass-buttons
Crassula connata - pygmy-weed
Croton setiger - doveweed
Deinandra fasciculata - fascicled tarweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Erodium brachycarpum - short-beak filaree/storksbill
Festuca myuros - rattail sixweeks grass
Galium aparine - goose grass
Gastridium phleoides - nit grass
Holocarpha virgata ssp. *elongata* - graceful tarplant
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Lysimachia minima - chaffweed
Lythrum hyssopifolia - grass poly
Malosma laurina - laurel sumac
Navarretia hamata - hooked skunkweed
Nuttallanthus texanus - blue toadflax
Phalaris lemmonii - Lemmon's canary grass
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Silene gallica - windmill pink
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Spergularia sp.
Stephanomeria diegensis - San Diego wreath-plant
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/6/2023 **Survey Start Time:** 09:10 AM **Survey End Time:** 10:41 AM

Surveyors: Amy Mattson, Jonathan Mercado

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:**

Cover of Native Species in Basin: 5-10% **Native Species Richness in Basin:** 16

Other Native Species in Pool:

Species Name	Cover
Bloomeria sp.	<1%
Convolvulus simulans - small-flowered morning-glory	<1%
Cressa truxillensis - alkali weed	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Hooveria parviflora - soap plant	<1%
Hordeum intercedens - bobtail barley	<1%
Isocoma menziesii - coastal goldenbush	<1%
Juncus bufonius - toad rush	<1%
Phalaris lemmonii - Lemmon's canary grass	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Stipa sp.	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Avena sp.	<1%
Bromus hordeaceus - soft chess	25-50%
Centaurea melitensis - tocalote	<1%
Erodium sp.	1-5%
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	1-5%
Gastridium phleoides - nit grass	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	<1%

Cover of Nonnative Species in Basin: 50-75% **Nonnative Species Richness in Basin:** 9

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Otay Lakes (K5) **VP ID:** 208

Additional Information:

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:

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Adenostoma fasciculatum - chamise
Avena sp.
Bloomeria sp.
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Convolvulus simulans - small-flowered morning-glory
Cressa truxillensis - alkali weed
Deinandra fasciculata - fascicled tarweed
Eriogonum fasciculatum - California buckwheat
Erodium sp.
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Helminthotheca echioides - bristly ox-tongue
Hooveria parviflora - soap plant
Hordeum sp.
Isocoma menziesii - coastal goldenbush
Lysimachia arvensis - scarlet pimpernel
Melilotus indicus - annual yellow sweetclover
Plantago rhodosperma - red-seed plantain
Selaginella cinerascens - ashy spike-moss
Sonchus oleraceus - common sow thistle

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/6/2023 **Survey Start Time:** 11:15 AM **Survey End Time:** 12:06 PM

Surveyors: Amy Mattson, Jonathan Mercado

VPHCP Covered Species Present: ERAR

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:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 17

Other Native Species in Pool:

Species Name	Cover
Allium sp.	<1%
Bloomeria sp.	1-5%
Calochortus splendens - splendid mariposa lily	<1%
Crassula aquatica - water pygmyweed	<1%
Cressa truxillensis - alkali weed	<1%
Cuscuta californica - chaparral dodder	<1%
Deinandra fasciculata - fascicled tarweed	50-75%
Deschampsia danthonioides - annual hair grass	<1%
Hooveria parviflora	1-5%
Hordeum intercedens - bobtail barley	<1%
Isocoma menziesii - coastal goldenbush	1-5%
Lepidium nitidum - shining peppergrass	<1%
Lysimachia minima - chaffweed	<1%
Phalaris lemmonii - Lemmon's canary grass	<1%
Sisyrinchium bellum - western blue-eyed-grass	<1%
Stipa pulchra - purple needle grass	<1%
Stipa sp.	<1%

Nonnative Species in Pool:

Species Name	Cover
Avena sp.	<1%
Bromus hordeaceus - soft chess	5-10%
Bromus madritensis - foxtail chess	<1%
Erodium botrys - long-beak filaree/storksbill	<1%
Erodium sp.	1-5%
Festuca myuros - rattail sixweeks grass	<1%
Gastridium phleoides - nit grass	<1%
Helminthotheca echioides - bristly ox-tongue	<1%
Lysimachia arvensis - scarlet pimpernel	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 9

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Otay Lakes (K5) **VP ID:** 656

Additional Information:

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:

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Avena barbata - slender wild oat
Bloomeria sp.
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Cressa truxillensis - alkali weed
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Gastridium phleoides - nit grass
Hooveria parviflora - soap plant
Hordeum intercedens - bobtail barley
Isocoma menziesii - coastal goldenbush
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa sp.

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/6/2023 **Survey Start Time:** 12:23 PM **Survey End Time:** 01:07 PM

Surveyors: Amy Mattson, Jonathan Mercado

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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 14

Other Native Species in Pool:

Species Name	Cover
Allium sp.	<1%
Brodiaea terrestris ssp. *kernensis* - Kern dwarf brodiaea	<1%
Croton setiger - doveweed	<1%
Deinandra fasciculata - fascicled tarweed	1-5%
Deschampsia danthonioides - annual hair grass	<1%
Hooveria parviflora - soap plant	<1%
Hordeum intercedens - bobtail barley	<1%
Lasthenia sp.	<1%
Lysimachia minima - chaffweed	<1%
Phalaris lemmonii - Lemmon's canary grass	<1%
Selaginella cinerascens - ashy spike-moss	<1%
Stipa pulchra - purple needle grass	<1%
Trichostema lanceolatum - vinegar weed	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	5-10%
Erodium sp.	1-5%
Festuca myuros - rattail sixweeks grass	1-5%
Gastridium phleoides - nit grass	1-5%
Hypochaeris glabra - smooth cat's-ear	<1%
Lamarckia aurea - golden-top	<1%
Logfia gallica - daggerleaf cottonrose	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 8

Additional Information:

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

Fiscal Year: 2023

Complex Name: Otay Lakes (K5) **VP ID:** 891

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Artemisia californica - California sagebrush
Baccharis sarothroides - broom baccharis
Bloomeria crocea - common goldenstar
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Calochortus splendens - splendid mariposa lily
Croton setiger - doveweed
Deinandra fasciculata - fascicled tarweed
Dipterostemon capitatus - blue dicks
Eleocharis macrostachya - pale spike-rush
Eriogonum fasciculatum - California buckwheat
Erodium sp.
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Hooveria parviflora - soap plant
Isocoma menziesii - coastal goldenbush
Lamarckia aurea - golden-top
Logfia gallica - daggerleaf cottonrose
Selaginella cinerascens - ashy spike-moss
Silene gallica - windmill pink
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa pulchra - purple needle grass

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/6/2023 **Survey Start Time:** 01:15 PM **Survey End Time:** 02:11 PM

Surveyors: Amy Mattson, Jonathan Mercado

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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 12

Other Native Species in Pool:

Species Name	Cover
Allium sp.	<1%
Brodiaea terrestris ssp. *kernensis* - Kern dwarf brodiaea	<1%
Deinandra fasciculata - fascicled tarweed	5-10%
Deschampsia danthonioides - annual hair grass	<1%
Eleocharis macrostachya - pale spike-rush	5-10%
Hooveria parviflora - soap plant	<1%
Hordeum intercedens - bobtail barley	<1%
Lysimachia minima - chaffweed	<1%
Phalaris lemmonii - Lemmon's canary grass	<1%
Pilularia americana - American pillwort	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%

Nonnative Species in Pool:

Species Name	Cover
Avena sp.	<1%
Brachypodium distachyon - purple false brome	<1%
Bromus hordeaceus - soft chess	10-25%
Erodium sp.	<1%
Festuca myuros - rattail sixweeks grass	<1%
Gastridium phleoides - nit grass	1-5%
Logfia gallica - daggerleaf cottonrose	<1%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 25-50% **Nonnative Species Richness in Basin:** 8

Additional Information:

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

Fiscal Year: 2023

Complex Name: Otay Lakes (K5) **VP ID:** 892

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Acmispon micranthus - Grab Lotus
Artemisia californica - California sagebrush
Avena sp.
Bloomeria sp.
Brodiaea terrestris ssp. *kernensis* - Kern dwarf brodiaea
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Calochortus splendens - splendid mariposa lily
Centaurea melitensis - tocalote
Cressa truxillensis - alkali weed
Deinandra fasciculata - fascicled tarweed
Eriogonum fasciculatum - California buckwheat
Eriophyllum confertiflorum var. *confertiflorum* - long-stem golden-yarrow
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Hordeum depressum - low barley
Hypochaeris glabra - smooth cat's-ear
Isocoma menziesii - coastal goldenbush
Selaginella cinerascens - ashy spike-moss
Stipa sp.
Trichostema lanceolatum - vinegar weed

Notes: 0

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/6/2023 **Survey Start Time:** 08:07 AM **Survey End Time:** 09:24 AM

Surveyors: Amy Mattson, Jonathan Mercado

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:**

Cover of Native Species in Basin: 1-5% **Native Species Richness in Basin:** 8

Other Native Species in Pool:

Species Name	Cover
Croton setiger - doveweed	<1%
Deschampsia danthonioides - annual hair grass	<1%
Eriogonum fasciculatum - California buckwheat	<1%
Lysimachia minima - chaffweed	<1%
Phalaris lemmonii - Lemmon's canary grass	<1%
Pilularia americana - American pillwort	<1%
Sisyrinchium bellum - western blue-eyed-grass	<1%

Nonnative Species in Pool:

Species Name	Cover
Avena barbata - slender wild oat	<1%
Bromus hordeaceus - soft chess	10-25%
Erodium sp.	5-10%
Festuca myuros - rattail sixweeks grass	5-10%
Gastridium phleoides - nit grass	<1%
Lysimachia arvensis - scarlet pimpernel	<1%
Lythrum hyssopifolia - grass poly	<1%
Polypogon monspeliensis - rabbitfoot grass	1-5%
Silene gallica - windmill pink	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 9

Additional Information:

Bare Ground Cover in Basin: 50-75% **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

Fiscal Year: 2023

Complex Name: Otay Lakes (K5) **VP ID:** 1801

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Acmispon micranthus - Grab Lotus
Adenostoma fasciculatum - chamise
Avena barbata - slender wild oat
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Croton setiger - doveweed
Deinandra fasciculata - fascicled tarweed
Dipterostemon capitatus - blue dicks
Eriogonum fasciculatum - California buckwheat
Festuca myuros - rattail sixweeks grass
Gastridium phleoides - nit grass
Hypochaeris glabra - smooth cat's-ear
Isocoma menziesii - coastal goldenbush
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Lysimachia minima - chaffweed
Polypogon monspeliensis - rabbitfoot grass
Selaginella cinerascens - ashy spike-moss
Silene gallica - windmill pink
Sisyrinchium bellum - western blue-eyed-grass
Stipa sp.
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/8/2023 **Survey Start Time:** 08:47 AM **Survey End Time:** 09:45 AM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR,NAFO

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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 11

Other Native Species in Pool:

Species Name	Cover
Crassula connata - pygmy-weed	<1%
Deinandra fasciculata - fascicled tarweed	10-25%
Elatine brachysperma - short-seed waterwort	<1%
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	1-5%
Juncus bufonius - toad rush	<1%
Matricaria discoidea - pineapple weed	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Amaranthus albus - tumbleweed	<1%
Brassica nigra - black mustard	<1%
Bromus hordeaceus - soft chess	<1%
Bromus madritensis - foxtail chess	<1%
Centaurea melitensis - tocalote	5-10%
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Gastridium phleoides - nit grass	<1%
Glebionis coronaria - crown daisy	<1%
Helminthotheca echioides - bristly ox-tongue	10-25%
Hypochaeris glabra - smooth cat's-ear	<1%
Lactuca serriola - prickly lettuce	<1%
Logfia gallica - daggerleaf cottonrose	<1%
Lysimachia arvensis - scarlet pimpernel	1-5%
Lythrum hyssopifolia - grass poly	25-50%
Medicago polymorpha - California burclover	<1%
Melilotus indicus - annual yellow sweetclover	<1%
Polypogon monspeliensis - rabbitfoot grass	1-5%

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5) **VP ID:** 1580

Silene gallica - windmill pink	<1%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%
Sonchus oleraceus - common sow thistle	<1%

Cover of Nonnative Species in Basin: 50-75% **Nonnative Species Richness in Basin:** 21

Additional Information:

Bare Ground Cover in Basin: 1-5% **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

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5) **VP ID:** 1580

2023 Quantitative Monitoring Data continued

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

Species Name
Artemisia californica - California sagebrush
Atriplex semibaccata - Australian saltbush
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Brassica nigra - black mustard
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Centaurea melitensis - tocalote
Chenopodium murale - nettle-leaf goosefoot
Crassula connata - pygmy-weed
Cylindropuntia prolifera - coast cholla
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Erodium cicutarium - redstem filaree
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Glebionis coronaria - crown daisy
Helminthotheca echioides - bristly ox-tongue
Lactuca serriola - prickly lettuce
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Medicago polymorpha - California burclover
Opuntia littoralis - coast prickly-pear
Polypogon monspeliensis - rabbitfoot grass
Rhus integrifolia - lemonade berry
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/30/2023 **Survey Start Time:** 08:18 PM **Survey End Time:** 08:40 PM

Surveyors: Adam Skinner, 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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 10

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	5-10%
Deinandra fasciculata - fascicled tarweed	<1%
Juncus bufonius - toad rush	1-5%
Linanthus dianthiflorus - farinose ground pink	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%
Sisyrinchium bellum - western blue-eyed-grass	1-5%
Stipa sp.	<1%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	1-5%
Bromus madritensis - foxtail chess	<1%
Bromus rubens - red brome	<1%
Festuca myuros - rattail sixweeks grass	<1%
Festuca perennis - rye grass	<1%
Gastridium phleoides - nit grass	<1%
Helminthotheca echioides - bristly ox-tongue	<1%
Lythrum hyssopifolia - grass poly	<1%
Polypogon monspeliensis - rabbitfoot grass	10-25%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 10

Additional Information:

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

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5) **VP ID:** 1598

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Calochortus splendens - splendid mariposa lily
Centaurea melitensis - tocalote
Crassula connata - pygmy-weed
Croton setiger - doveweed
Cylindropuntia prolifera - coast cholla
Daucus pusillus - rattlesnake weed
Deinandra fasciculata - fascicled tarweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Erodium cicutarium - redstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Helminthotheca echioides - bristly ox-tongue
Hypochaeris glabra - smooth cat's-ear
Juncus bufonius - toad rush
Logfia gallica - daggerleaf cottonrose
Lysimachia arvensis - scarlet pimpernel
Matricaria discoidea - pineapple weed
Mirabilis laevis var. *crassifolia* - wishbone bush
Myosurus minimus ssp. *apus* - little mouse tail
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rhus integrifolia - lemonade berry
Salvia mellifera - black sage
Selaginella cinerascens - ashy spike-moss
Simmondsia chinensis - jojoba
Sisyrinchium bellum - western blue-eyed-grass
Sonchus asper ssp. *asper* - prickly sow thistle
Stipa lepida - foothill needle grass
Stipa pulchra - purple needle grass
Zeltnera venusta - California centaury

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5) **VP ID:** 1598

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/10/2023 **Survey Start Time:** 10:35 AM **Survey End Time:** 12:31 PM

Surveyors: Sara Allen, Jason Allen

VPHCP Covered Species Present: PONU,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: **Cover of PONU in Basin:** 1-5%

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 9

Other Native Species in Pool:

Species Name	Cover
Artemisia californica - California sagebrush	<1%
Callitriche marginata - winged water-starwort	<1%
Deschampsia danthonioides - annual hair grass	1-5%
Myosurus minimus ssp. *apus* - little mouse tail	1-5%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%
Zeltnera venusta - California centaury	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	1-5%
Erodium cicutarium - redstem filaree	<1%
Festuca myuros - rattail sixweeks grass	5-10%
Festuca perennis - rye grass	1-5%
Lysimachia arvensis - scarlet pimpernel	1-5%
Lythrum hyssopifolia - grass poly	1-5%
Phalaris minor - little-seeded canary grass	<1%
Polypogon monspeliensis - rabbitfoot grass	1-5%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 8

Additional Information:

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: 6-15 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5) **VP ID:** 1668

2023 Quantitative Monitoring Data continued

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

Species Name
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Bahiopsis laciniata - San Diego viguiera
Brachypodium distachyon - purple false brome
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Callitriche marginata - winged water-starwort
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Deschampsia danthonioides - annual hair grass
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Erodium brachycarpum - short-beak filaree/storksbill
Erodium cicutarium - redstem filaree
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia serpens - matted sandmat
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Festuca perennis - rye grass
Lactuca serriola - prickly lettuce
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Mirabilis laevis var. *crassifolia* - wishbone bush
Peritoma arborea - bladderpod
Phalaris minor - little-seeded canary grass
Pseudognaphalium stramineum - cotton-batting plant
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Salvia mellifera - black sage
Sonchus asper ssp. *asper* - prickly sow thistle
Sonchus oleraceus - common sow thistle
Stipa lepida - foothill needle grass
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/30/2023 **Survey Start Time:** 12:31 PM **Survey End Time:** 12:45 PM

Surveyors: Adam Skinner, 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:**

Cover of Native Species in Basin: 50-75% **Native Species Richness in Basin:** 6

Other Native Species in Pool:

Species Name	Cover
Deinandra fasciculata - fascicled tarweed	1-5%
Eleocharis macrostachya - pale spike-rush	1-5%
Juncus bufonius - toad rush	<1%
Myosurus minimus ssp. *apus* - little mouse tail	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%

Nonnative Species in Pool:

Species Name	Cover
Beta vulgaris ssp. *maritima* - sea beet	<1%
Bromus hordeaceus - soft chess	<1%
Bromus madritensis - foxtail chess	1-5%
Bromus rubens - red brome	<1%
Festuca myuros - rattail sixweeks grass	<1%
Hainardia cylindrica - barb grass	1-5%
Lamarckia aurea - golden-top	<1%
Lysimachia arvensis - scarlet pimpernel	1-5%
Lythrum hyssopifolia - grass poly	1-5%
Phalaris minor - little-seeded canary grass	<1%
Polypogon monspeliensis - rabbitfoot grass	1-5%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 12

Additional Information:

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

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5) **VP ID:** 1684

2023 Quantitative Monitoring Data continued

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

Species Name
Acmispon glaber var. *glaber* - deerweed
Artemisia californica - California sagebrush
Baccharis salicifolia - mule fat
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Chenopodium murale - nettle-leaf goosefoot
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Dittrichia graveolens - stinkwort
Encelia californica - California encelia
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Erodium brachycarpum - short-beak filaree/storksbill
Erodium cicutarium - redstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Glebionis coronaria - crown daisy
Isocoma menziesii - coastal goldenbush
Juncus bufonius - toad rush
Lysimachia arvensis - scarlet pimpernel
Matricaria discoidea - pineapple weed
Mesembryanthemum nodiflorum - slender-leaved iceplant
Mirabilis laevis var. *crassifolia* - wishbone bush
Oncosiphon pilulifer - stinknet
Opuntia littoralis - coast prickly-pear
Phalaris minor - little-seeded canary grass
Phytolacca americana var. *americana* - pokeweed
Polypogon monspeliensis - rabbitfoot grass
Pseudognaphalium stramineum - cotton-batting plant
Rhus integrifolia - lemonade berry
Simmondsia chinensis - jojoba
Sonchus asper ssp. *asper* - prickly sow thistle
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/30/2023 **Survey Start Time:** 08:41 PM **Survey End Time:** 08:52 PM

Surveyors: Adam Skinner, 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:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 3

Other Native Species in Pool:

Species Name	Cover
Cylindropuntia prolifera - coast cholla	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Festuca myuros - rattail sixweeks grass	5-10%
Lactuca serriola - prickly lettuce	<1%
Lysimachia arvensis - scarlet pimpernel	1-5%
Melilotus indicus - annual yellow sweetclover	<1%
Phalaris minor - little-seeded canary grass	1-5%
Sonchus asper ssp. *asper* - prickly sow thistle	<1%

Cover of Nonnative Species in Basin: 5-10% **Nonnative Species Richness in Basin:** 7

Additional Information:

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

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5) **VP ID:** 1710

2023 Quantitative Monitoring Data continued

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

Species Name
Artemisia californica - California sagebrush
Atriplex semibaccata - Australian saltbush
Avena barbata - slender wild oat
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Beta vulgaris ssp. *maritima* - sea beet
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Calystegia macrostegia - island morning glory
Centaurea melitensis - tocalote
Chenopodium murale - nettle-leaf goosefoot
Croton setiger - doveweed
Cylindropuntia prolifera - coast cholla
Deinandra fasciculata - fascicled tarweed
Encelia californica - California encelia
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Erodium cicutarium - redstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Euphorbia serpens - matted sandmat
Ferocactus viridescens - San Diego barrel cactus
Festuca myuros - rattail sixweeks grass
Hainardia cylindrica - barb grass
Lactuca serriola - prickly lettuce
Laennecia coulteri - Coulter's horseweed
Lysimachia arvensis - scarlet pimpernel
Melilotus indicus - annual yellow sweetclover
Mesembryanthemum nodiflorum - slender-leaved iceplant
Opuntia littoralis - coast prickly-pear
Phalaris minor - little-seeded canary grass
Pogogyne nudiuscula - Otay mesa mint
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Rhus integrifolia - lemonade berry
Salvia mellifera - black sage
Selaginella cinerascens - ashy spike-moss
Simmondsia chinensis - jojoba
Sisyrinchium bellum - western blue-eyed-grass

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: Robinhood Ridge (J4-5) **VP ID:** 1710

Sonchus asper ssp. *asper* - prickly sow thistle
Stipa miliacea var. *miliacea* - smilo grass
Stipa pulchra - purple needle grass

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/13/2023 **Survey Start Time:** 02:10 PM **Survey End Time:** 02:16 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: ORCA,NAFO

Cover of ERAR in Basin: **Cover of NAFO in Basin:** <1% **Cover of ORCA in Basin:** <1%

Cover of POAB in Basin: **Cover of PONU in Basin:**

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 7

Other Native Species in Pool:

Species Name	Cover
Eleocharis macrostachya - pale spike-rush	1-5%
Epilobium campestre - smooth boisduvalia	1-5%
Juncus bufonius - toad rush	<1%
Malvella leprosa - alkali-mallow	10-25%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%

Nonnative Species in Pool:

Species Name	Cover
Festuca perennis - rye grass	10-25%
Hordeum marinum ssp. *gussoneanum* - Mediterranean barley	<1%
Lythrum hyssopifolia - grass poly	1-5%
Phalaris minor - little-seeded canary grass	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 4

Additional Information:

Bare Ground Cover in Basin: 5-10% **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

Fiscal Year: 2023

Complex Name: South Otay 1 acre (J13N) **VP ID:** 1235

2023 Quantitative Monitoring Data continued

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

Species Name
Bromus madritensis - foxtail chess
Cressa truxillensis - alkali weed
Eleocharis macrostachya - pale spike-rush
Erodium cicutarium - redstem filaree
Festuca perennis - rye grass
Hordeum marinum ssp. *gussoneanum* - Mediterranean barley
Lactuca serriola - prickly lettuce
Lythrum hyssopifolia - grass poly
Malvella leprosa - alkali-mallow
Medicago polymorpha - California burclover
Sonchus oleraceus - common sow thistle
Zeltnera venusta - California centaury

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 6/13/2023 **Survey Start Time:** 11:59 AM **Survey End Time:** 01:29 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:**

Cover of Native Species in Basin: 25-50% **Native Species Richness in Basin:** 8

Other Native Species in Pool:

Species Name	Cover
Callitriche marginata - winged water-starwort	<1%
Cressa truxillensis - alkali weed	<1%
Eleocharis macrostachya - pale spike-rush	25-50%
Juncus bufonius - toad rush	<1%
Malvella leprosa - alkali-mallow	5-10%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	1-5%

Nonnative Species in Pool:

Species Name	Cover
Festuca perennis - rye grass	10-25%
Hordeum marinum ssp. *gussoneanum* - Mediterranean barley	<1%
Lythrum hyssopifolia - grass poly	1-5%
Phalaris minor - little-seeded canary grass	<1%
Polypogon monspeliensis - rabbitfoot grass	<1%

Cover of Nonnative Species in Basin: 10-25% **Nonnative Species Richness in Basin:** 5

Additional Information:

Bare Ground Cover in Basin: 1-5% **Cover of Rocks/Cobble in Basin:** <1% **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

Fiscal Year: 2023

Complex Name: South Otay 1 acre (J13N) **VP ID:** 2339

2023 Quantitative Monitoring Data continued

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

Species Name
Avena barbata - slender wild oat
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Cressa truxillensis - alkali weed
Eleocharis macrostachya - pale spike-rush
Erodium cicutarium - redstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca perennis - rye grass
Hordeum marinum ssp. *gussoneanum* - Mediterranean barley
Lysimachia arvensis - scarlet pimpernel
Lythrum hyssopifolia - grass poly
Malvella leprosa - alkali-mallow
Medicago polymorpha - California burclover
Phalaris minor - little-seeded canary grass
Polypogon monspeliensis - rabbitfoot grass

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

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

2023 Quantitative Monitoring Data

Survey Date: 5/26/2023 **Survey Start Time:** 02:31 PM **Survey End Time:** 03:03 PM

Surveyors: Jason Allen

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%

Cover of Native Species in Basin: 10-25% **Native Species Richness in Basin:** 5

Other Native Species in Pool:

Species Name	Cover
Deinandra fasciculata - fascicled tarweed	<1%
Juncus bufonius - toad rush	<1%
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads	<1%

Nonnative Species in Pool:

Species Name	Cover
Bromus hordeaceus - soft chess	<1%
Erodium botrys - long-beak filaree/storksbill	<1%
Festuca myuros - rattail sixweeks grass	1-5%
Lythrum hyssopifolia - grass poly	1-5%
Spergularia sp.	<1%

Cover of Nonnative Species in Basin: 1-5% **Nonnative Species Richness in Basin:** 5

Additional Information:

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: >16 **Ponded Water Present:** no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2023

Complex Name: West Otay C (J32) **VP ID:** 1545

2023 Quantitative Monitoring Data continued

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

Species Name
Amaranthus albus - tumbleweed
Ambrosia chenopodiifolia - San Diego bur-sage
Artemisia californica - California sagebrush
Baccharis sarothroides - broom baccharis
Bahiopsis laciniata - San Diego viguiera
Bromus diandrus - ripgut grass
Bromus hordeaceus - soft chess
Bromus madritensis - foxtail chess
Croton setiger - doveweed
Deinandra fasciculata - fascicled tarweed
Dittrichia graveolens - stinkwort
Erigeron canadensis - horseweed
Eriogonum fasciculatum - California buckwheat
Erodium botrys - long-beak filaree/storksbill
Erodium cicutarium - redstem filaree
Erodium moschatum - greenstem filaree
Eryngium aristulatum var. *parishii* - San Diego button-celery
Festuca myuros - rattail sixweeks grass
Logfia gallica - daggerleaf cottonrose
Lythrum hyssopifolia - grass poly
Melilotus indicus - annual yellow sweetclover
Oncosiphon pilulifer - stinknet
Peritoma arborea - bladderpod
Psilocarphus brevissimus var. *brevissimus* - dwarf woollyheads
Schismus barbatus - Mediterranean schismus
Selaginella cinerascens - ashy spike-moss
Sonchus oleraceus - common sow thistle
Spergularia bocconi - Boccone's sand-spurrey
Yucca schidigera - Mojave yucca

Notes:

Appendix C-1

2023 Vernal Pool Management Photolog

Photo 1. Weeds growing in vernal pool.

Photo 2. Weeds removed from vernal pool.

Photo 3. Vernal pool restoration site.

Photo 4. Contracted crew performing fence repair.

Photo 5. Contracted crew performing weed control.

Photo 6. Vernal pool with focal species.

Photo 7. Vernal pool filled with water.

Photo 8. Contracted crew performing weed control.

Photo 9. Vernal pool filled with water.

Photo 10. Vernal pool filled with water.

Photo 11. Educational tour of vernal pools.

Photo 12. New deck platform and signs installed over vernal pool.

Photo 13. City staff examining vernal pool filled with water.

Photo 14. Contracted crew performing weed control.

Photo 15. Vernal pool filled with water.

Photo 16. Contracted crew performing weed control.

Photo 17. Contracted crew performing weed control.

Photo 18. Vernal pool filled with water.

Photo 19. Fence vandalized.

Photo 20. City staff performed fence repair.

Photo 21. City staff installing fence to restrict access to vernal pools.

Photo 22. Fence installed to restrict access to vernal pools.

Photo 23. Vernal pool filled with water.

Photo 24. Vernal pools filled with water.

Photo 25. Vernal pool filled with water.

Photo 26. Vernal pool filled with water.

Photo 27. Contracted crew performing weed control.

Photo 28. Vernal pool filled with water.

Photo 29. Contracted crew performing weed control.

Photo 30. Contracted crew performing weed control.

Photo 31. Vernal pool with focal species.

Photo 32. Dry vernal pool.

Photo 33. Contracted crew performing weed control.

Photo 34. City staff installed sign.

Photo 35. Vernal pool filled with water.

Photo 36. Entomology study of pollinators.

Photo 37. Contracted crew performing weed control.

Photo 38. Dry vernal pool.

Photo 39. Dry vernal pool.

Photo 40. City staff and volunteers performing plant installation.

Photo 41. Vernal pool filled with water.

Photo 42. Vernal pool filled with water.

Photo 43. Vernal pool filled with water.

Photo 44. Fairy shrimp in vernal pool.

Photo 45. San Diego Mesa Mint in vernal pool.

Photo 46. Vernal pool with vegetation.

Photo 47. Fence to restrict access from vernal pools.

Photo 48. Vernal pool with vegetation.

Photo 49. Contracted crew performing weed control.

Photo 50. Contracted crew performing weed control.

Photo 51. Contracted crew performing plant installation.

Photo 52. Contracted crew performing weed control.

Photo 53. Vernal pool filled with water.

Photo 54. Contracted crew performing weed control.

Photo 55. Contracted crew performing weed control.

Photo 56. Vernal pool with vegetation.

Photo 57. Buckeye butterfly in vernal pool.

Photo 58. Contracted crew performing plant installation.

Photo 59. Contracted crew performing weed control.

Photo 60. Contracted crew performing fence installation.

Photo 61. Vernal pool filled with water.

Photo 62. Contracted crew performing weed control.

Photo 63. Vernal pool filled with water.

Photo 64. Weeds and trash removed from preserve.

Photo 65. Contracted crew performing plant installation.

Photo 66. Contracted crew performing weed control.

Photo 67. Vernal pool with vegetation.

Photo 68. Graffiti on City sign.

Photo 69. City staff performing habitat restoration maintenance.

Photo 70. City staff performing weed control.

Photo 71. Barricades knocked down.

Photo 72. City staff re-installed barricades to block access into vernal pools.

Photo 73. Vernal pool filled with water.

Photo 74. Dry vernal pool.

Photo 75. Vernal pool filled with water.

Photo 76. Contracted crew performing weed control.

Photo 77. Vernal pools filled with water.

Photo 78. City staff installed sign.

Photo 79. Contracted crew performing fence installation.

Photo 80. Vernal pool with vegetation.

Appendix C-2

2023 Vernal Pool Monitoring Photolog

Photo 1. Pool 100

Photo 2. Pool 1310

Photo 3. Pool 1321

Photo 4. Pool 1713

Photo 5. Pool 1724

Photo 6. Pool 295

Photo 7. Pool 301

Photo 8. Pool 42

Photo 9. Pool 445

Photo 10. Pool 447

Photo 11. Pool 449

Photo 12. Pool 450

Photo 13. Pool 451

Photo 14. Pool 452

Photo 15. Pool 459

Photo 16. Pool 464

Photo 17. Pool 471

Photo 18. Pool 473

Photo 19. Pool 483

Photo 20. Pool 484

Photo 21. Pool 490

Photo 22. Pool 502

Photo 23. Pool 509

Photo 24. Pool 51

Photo 25. Pool 591

Photo 26. Pool 67

Photo 27. Pool 78 - Photo not available.

Photo 28. Pool 89

Photo 29. Pool 96

Photo 30. Pool 2022

Photo 31. Pool 2025

Photo 32. Pool 2039

Photo 33. Pool 2043

Photo 34. Pool 2044

Photo 35. Pool 2185

Photo 36. Pool 2189

Photo 37. Pool 1077

Photo 38. Pool 1092

Photo 39. Pool 1096

Photo 40. Pool 1109

Photo 41. Pool 1740

Photo 42. Pool 1743

Photo 43. Pool 1746

Photo 44. Pool 876

Photo 45. Pool 1255

Photo 46. Pool 1260

Photo 47. Pool 1264

Photo 48. Pool 1272

Photo 49. Pool 1842

Photo 50. Pool 2468

Photo 51. Pool 1141

Photo 52. Pool 1142

Photo 53. Pool 1189

Photo 54. Pool 1775

Photo 55. Pool 1920

Photo 56. Pool 2642

Photo 57. Pool 1177

Photo 58. Pool 771

Photo 59. Pool 778

Photo 60. Pool 790

Photo 61. Pool 706

Photo 62. Pool 712

Photo 63. Pool 4256

Photo 64. Pool 4596

Photo 65. Pool 5352

Photo 66. Pool 5355

Photo 67. Pool 5356

Photo 68. Pool 5358

Photo 69. Pool 5363

Photo 70. Pool 5369

Photo 71. Pool 5371

Photo 72. Pool 5388

Photo 73. Pool 5423

Photo 74. Pool 6351

Photo 75. Pool 6384

Photo 76. Pool 666

Photo 77. Pool 1801

Photo 78. Pool 208

Photo 79. Pool 656

Photo 80. Pool 891

Photo 81. Pool 892

Photo 82. Pool 1580

Photo 83. Pool 1598

Photo 84. Pool 1668

Photo 85. Pool 1684

Photo 86. Pool 1710

Photo 87. Pool 1235

Photo 88. Pool 2339

Photo 89. Pool 1545

Appendix D

Private Property Compliance Tracking

APPENDIX E: Private Property Compliance Tracking

Project	Associated Plan	Maintenance Requirements	Monitoring Requirements	Success Criteria	Reporting Requirements[1]	2023 Status
Handler	Mitigated Negative Declaration (Section V.9 Vernal Pool Management Plan)	• 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	• 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	• Bent grass (*Agrostis* sp.) and Italian ryegrass (*Lolium multiflorum*) ≤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%	• 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 MSCP, EAS, MMC, and other City staff, as appropriate. *MMRP*	Grading permits issued 2019-2020; No report for year 2023; in March 2024 the City was notified, and approved, the reassignment of long term management to the Urban Corps
Mesa Norte	Mesa Norte Vernal Pool Mitigation Plan (1998)	• 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	•City to work with property owner to assess implementation of the Mesa Norte Vernal Pool Mitigation Plan and provide annual reporting. *MP*	Closed out; No further action; No VPHCP monitoring requirement; Staff conducted site visit on April 28, 2023 to follow up on management activities at the site. City Development Services Department (DSD) Mitigation Monitoring and Coordination (MMC) addressing management enforcement in 2022-23.
Rhodes Crossing	Rhodes Crossing Habitat Management Plan (2010)	• 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	•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	• 'Zero Tolerance Species' to be removed within 2 weeks of discovery • 'Moderate Tolerance Species' to be removed when cover increases 15% over baseline	•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 years, 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. *HMP*	Alden submitted the year 7 vernal pool restoration/mitigation report received in January 2024. No additional measures beyond regular maintenance and weed control were taken during year 7.

Project	Associated Plan	Maintenance Requirements	Monitoring Requirements	Success Criteria	Reporting Requirements[1]	2023 Status
Salk Institute	Habitat Management Plan (2008)	• 2 weed control visits annually in the spring • Trash removal visits every other month • Ongoing maintenance of barrier along Torrey Pines Scenic Drive	• 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	• 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	• 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 surveys; 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 entitlement
Shaw Lorenz	Vernal Pool Management Plan Shaw-Lorenz Project (2007)	• 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 swales • No brush management will be conducted within Mitigation Site and Conserved areas containing depressional features (except Lot; however no brush management within the basin)	• Annual quantitative monitoring (species richness and vegetative cover) for CSS restoration; stratified random sampling with maps provided	• 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	• 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. Versatile fairy shrimp issue; RECON working with USFWS. Follow up to be provided 2024.

Project	Associated Plan	Maintenance Requirements	Monitoring Requirements	Success Criteria	Reporting Requirements[1]	2023 Status
Merge 56	Merge 56 Development Project Vernal Pool Mitigation Plan (2016)	• 5 year maintenance program; monthly site visits • Trash Removal during maintenance events • Weed control within and adjacent to the vernal pools will be performed with hands; no herbicide use within 5 feet of vernal pools • Weeding in uplands of vernal pools wwill be removed by hand or with small machinery, focused herbicide application may be used • Container stock, native grass plugs, and transplanted sensitive plants will be hand watered at least twice a month, as needed, during the first 2 years of maintenance and monitoring	• Vernal pools - monthly inspections during Year 1, every other month during Year 2, and every 3 months during the remainder of the monitoring period • Fairy Shrimp - Wet season monitoring conducted every other week during the rainy season; Dry Season sampling of Fairy Shrimp egg presence and density will be measured • Annual Monitoring visits of vernal pools will be conducted near the end of the rainy season; including photo documentation; identification of all plant species, and estimation of species richness and relative vegetative cover of native/non-native plants	• 5 year success criteria for upland and vernal pool restoration areas will include the appropriate species richness and cover criteria of all five years of monitoring (Table 14); for re-established vernal pool <1% for Cal-IPC High or Moderate and <5% relative cover of all other exotic weed species; for enhanced Vernal pool/Upland 0% weed cover for Cal-IPC High or Moderate, and <5% relative cover of all other weed species • Hatched Fairy Shrimp and gravid density of restored pools must not differ significantly from the control pools for 3 wet seasons	• Annual reports will be submitted by August 31 of each year • These will include data collected throughout the year, data from the annual monitoring visit, comparisons of the monitoring data for the years that data are collected, and any recommendations for future work	City requested years 1-3 be provided for inclusion in the VPHCP Annual Report. Management actions in the Year 3 Report include: - 22 pools were inoculated - Established 9 new pools and deepened remaining 10 pools - Continued site visits and as needed weed control will continue into year 4 - Additional inoculation recommended when USFWS ponding conditions are met

[1]Reporting 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; *MMRP* = Mitigation Monitoring