


2021 Vernal Pool Habitat Conservation Plan Management and Monitoring Annual Report

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Table of Contents

| | | |
|-------|--|----|
| 1. | Overview | 1 |
| 1.1 | Overview of Vernal Pool Habitat Conservation Plan and Vernal Pool Management and Monitoring Plan | 1 |
| 1.2 | Reporting Requirements | 1 |
| 1.3 | Management and Monitoring Requirements..... | 3 |
| 1.4 | Private Property Reporting..... | 3 |
| 1.5 | Take Tracking | 3 |
| 2. | Reporting Summary | 5 |
| 2.1 | City Monitoring and Management | 5 |
| 2.1.1 | Qualitative Monitoring and Management Activities | 5 |
| | Methods | 5 |
| | Results | 5 |
| 2.1.2 | Quantitative Monitoring and Management Level Assessment..... | 5 |
| | Methods | 5 |
| | Results | 7 |
| 2.1.3 | Baseline Hydrologic Surveys | 21 |
| 2.2 | Private Property Management and Monitoring | 21 |
| 2.3 | Take Summary | 21 |
| 3. | VPHCP Funding | 23 |
| 3.1 | Spend During Reporting Period and Future Funding Sources | 23 |
| 4. | References | 24 |

Figures

| | |
|--|---|
| Figure 1.1-1. VPHCP Plan Area | 2 |
| Figure 1.3-1. VPHCP Monitoring and Management Level Flow Chart | 4 |

Tables

| | |
|--|----|
| Table 2-1. Qualitative Monitoring and Management Events for City of San Diego-managed Vernal Pool Complexes | 6 |
| Table 2-2. Qualitative Monitoring and Management Events for Private Conserved Pre-MSCP Vernal Pool Complexes | 7 |
| Table 2-3. Quantitative Monitoring Basins for City of San Diego-managed Vernal Pool Complexes by Management Level..... | 9 |
| Table 2-4. 2021 Focal Plant Species Cover Classes and Fairy Shrimp Density | 14 |
| Table 2-5. 2019 – 2021 Annual Rainfall Totals..... | 19 |
| Table 2-6. Proposed Management Level Change | 20 |
| Table 2-7. 2020-2021 Take Summary | 22 |
| Table 3-1. Spend in Current Fiscal Year (2021)..... | 23 |
| Table 3-2. Funding Sources for Fiscal Year 2022 | 23 |

Appendices

| | | |
|--------------|---|-----|
| Appendix A | City of San Diego VPHCP Vernal Pool Complex Management and Monitoring Levels... | 25 |
| Appendix B-1 | 2021 Vernal Pool Qualitative Monitoring and Management Datasheets..... | 29 |
| Appendix B-2 | 2021 Vernal Pool Quantitative Monitoring Datasheets..... | 139 |
| Appendix C-1 | 2021 Vernal Pool Management Photolog..... | 413 |
| Appendix C-2 | 2021 Vernal Pool Monitoring Photolog..... | 461 |
| Appendix D | Private Property Compliance Tracking..... | 523 |

1. Overview

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

In January 2018, the City of San Diego's (City) Vernal Pool Habitat Conservation Plan (VPHCP) (2019) was approved. The VPHCP is a framework that provides effective guidance on protection, enhancement, and restoration of vernal pool resources across the VPHCP Plan Area (Figure 1.1-1). As illustrated in Figure 1.1-1, the VPHCP Plan Area represents City-jurisdiction lands and generally spans from Lake Hodges in the north to Otay Mesa in the south (refer to Chapter 2.1 of the 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) (2020), are designed to support conservation goals consistent with the United States Fish and Wildlife Service (USFWS) (1998) Recovery Plan for Vernal Pools of Southern California (refer to Chapter 5.0 of the VPHCP for further details regarding Conservation Goals). The following five plant species and two crustacean (shrimp) species are included as Covered 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, CA;
- Spreading navarretia (*Navarretia fossalis*, NAFO) – FT;
- San Diego button-celery (*Eryngium aristulatum* var. *parishii*, ERAR) – FE, CE;
- California Orcutt grass (*Orcuttia californica*, ORCA) – FE, CE;
- Riverside fairy shrimp (*Streptocephalus woottoni*, RFS) – FE; and
- San Diego fairy shrimp (*Branchinecta sandiegonensis*, SDFS) – FE.

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

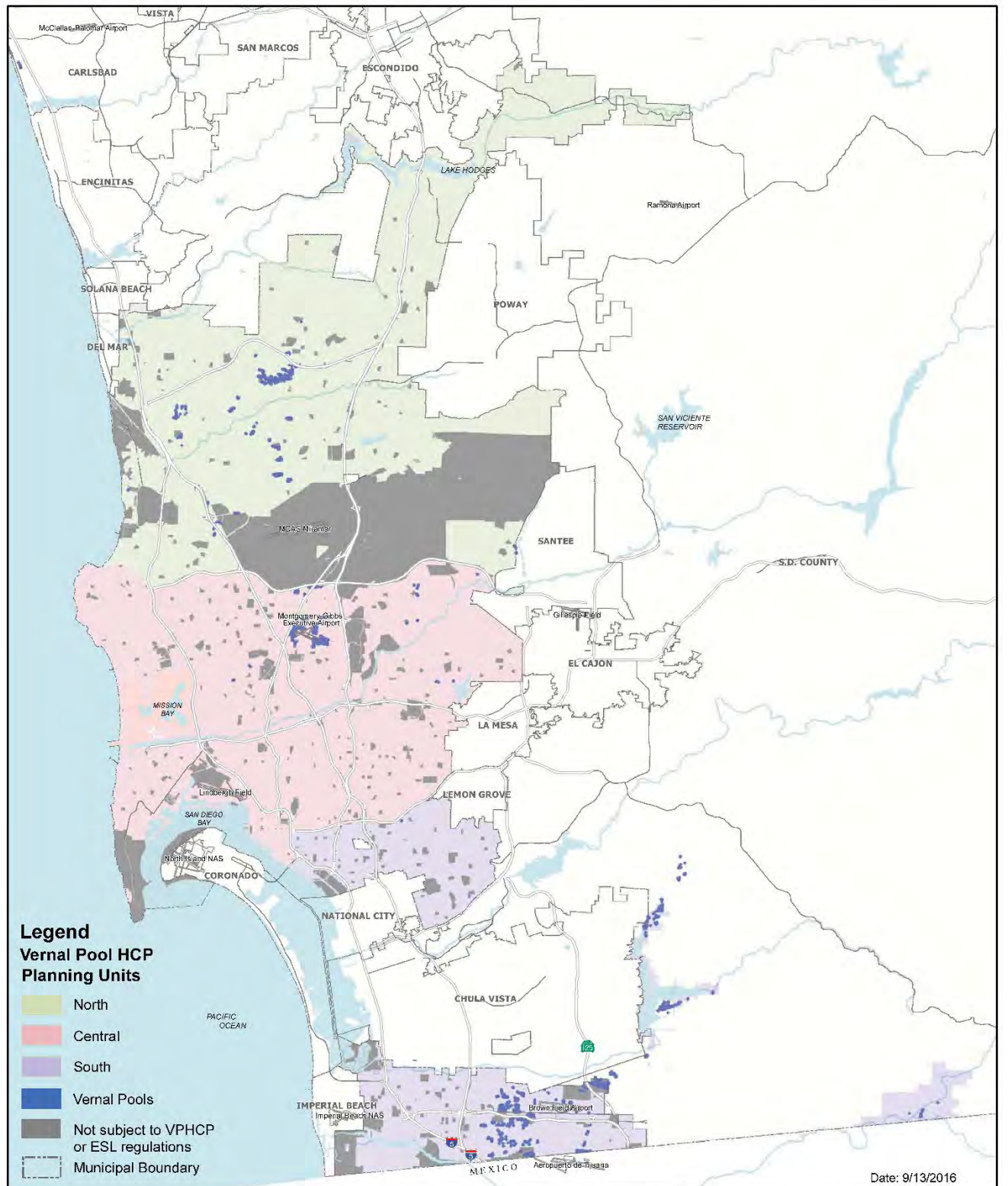
The VPMMP outlines adaptive monitoring and management strategies applicable to individual vernal pool complexes.² Appendix A of this 2021 management and monitoring annual report (2021 Annual Report) includes a list of each vernal pool complex covered under the VPHCP. The City is responsible for adhering to management and monitoring activities outlined in the VPMMP and VPHCP, and reporting on those activities annually to USFWS and 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 2021 Annual Report fulfills the City's annual VPHCP reporting requirements for the 2021 fiscal year (July 01, 2020 through June 30, 2021).

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

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



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



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

1.3 Management and Monitoring Requirements

The City is responsible for implementing management and monitoring under the VPHCP for vernal pool complexes on City-owned lands (see the yellow sites in Appendix A). Additionally, the City conducts passive qualitative monitoring for the green sites listed 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. Changes in management level are triggered by changes in the following categories: focal plant species cover, covered shrimp species cover, average weed cover, and hydrologic function. Figure 1.3-1 illustrates the relationship between management level and the VPMMP standards. Management activities based on management level are detailed in Table 4-6 of the VPMMP.

Per the VPHCP, at least 3 years of data collection during adequate rainfall years (at least 55 percent [%] of average total rainfall) are required to provide an analysis that would identify triggers in change of management level of an individual complex (refer to Table 4-5 of the VPMMP for further detail regarding management level triggers). This annual report summarizes the third year of VPHCP implementation and analyzes management level performance for Years 1 through 3 for vernal pool complexes in all management levels. Because 5 years of management activities are required for Level 3 vernal pool complexes, the analyses presented in this report for Level 3 complexes are for reference only. 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. Section 2.1.2 of this 2021 Annual Report provides an analysis of precipitation between fiscal year 2019 and 2021 in relation to management and monitoring levels.

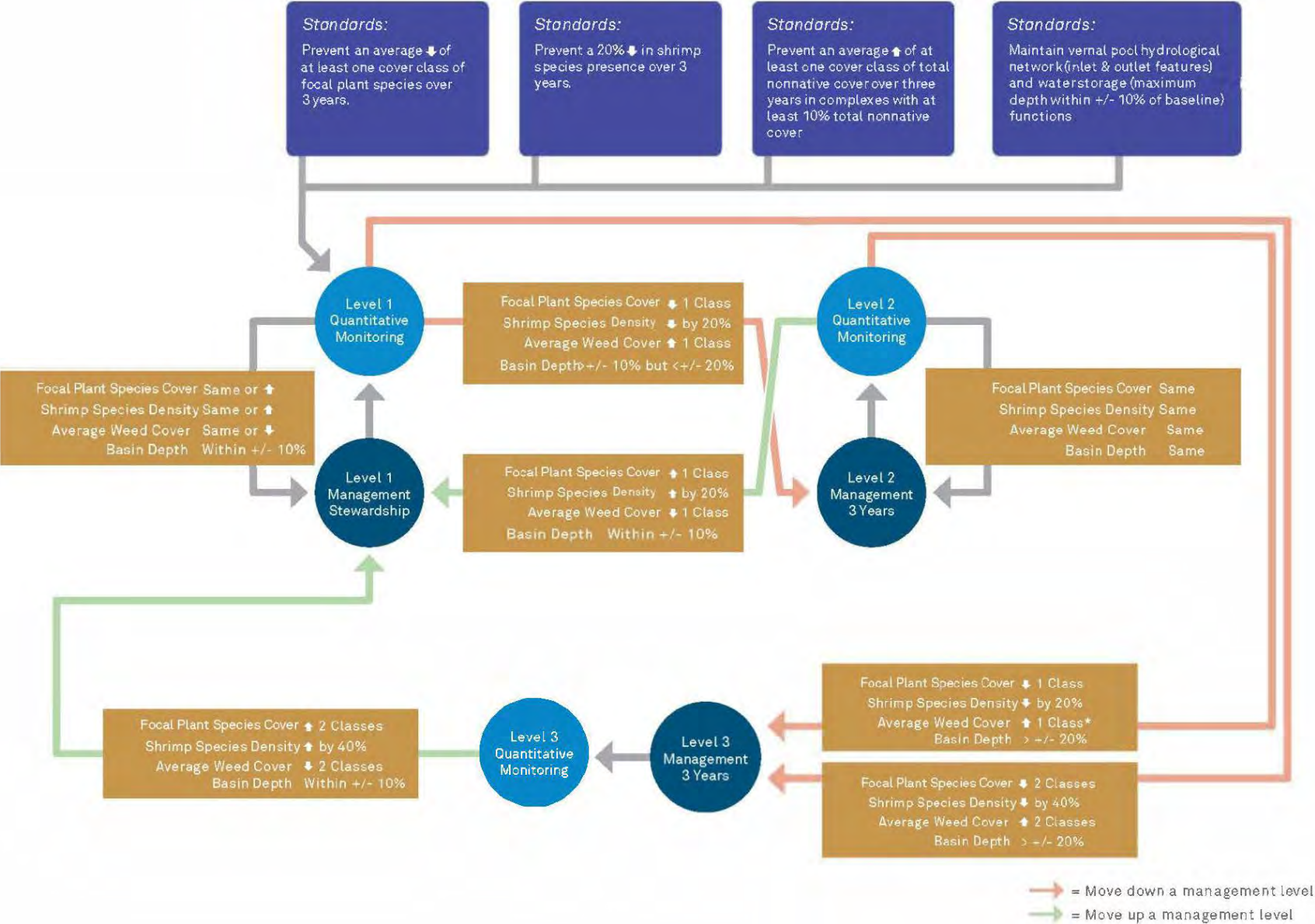
1.4 Private Property Reporting

In addition to the City's obligation to perform management and monitoring for vernal pool complexes on City-owned lands within the VPHCP Plan Area, the City is also responsible for enforcing management and monitoring of vernal pool complexes on privately owned lands that are covered under the VPHCP (see the orange sites in Appendix A). Since private projects listed in Appendix A were approved prior to development of the VPHCP, private projects approved and ensuing VPHCP adoption will develop and follow a standardized reporting method. This 2021 Annual Report includes a summary of VPHCP reporting for private properties that are subject to the VPHCP. Section 2.2 of this 2021 Annual Report discusses further details regarding management and monitoring for private properties.

1.5 Take Tracking

The USFWS Section 10 Incidental Take Permit (ITP) issued to the City for the VPHCP requires tracking of take associated with Covered Projects and Covered Activities under the VPHCP. It is the City's responsibility to track incidental take associated with Covered Projects and Covered Activities on both City-owned and private lands. In addition, the ITP allows extension of authorized take outside of City -jurisdiction property through a Certificate of Inclusion that can be issued to private property owners. Private property owners covered by the ITP are required to satisfy management and monitoring standards outlined in the VPHCP. Section 2.3 of this 2021 Annual Report details a running total of take across VPHCP-covered projects.

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



2. Reporting Summary

2.1 City Monitoring and Management

2.1.1 Qualitative Monitoring and Management Activities

Methods

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

Results

Qualitative monitoring for the City-owned vernal pool complexes was generally conducted during the winter and spring months (February through May) of 2021. Management activities were conducted throughout the fiscal year, as feasible and in response to level of urgency (as determined by monitoring assessments). Results of monitoring and management activities are summarized in Table 2-1. Table 2-1 also includes newly observed vernal pools and complexes not recorded in the VPHCP; these pools are prefixed with "NEW" in the complex name and/or vernal pool identification. In addition to monitoring of City-managed vernal pool complexes, the City performed passive qualitative monitoring for privately owned pre-MSCP sites; monitoring results for these sites are summarized in Table 2-2. Appendix B-1 of this 2021 Annual Report includes datasheets detailing complex-specific monitoring and management information. Appendix C-1 includes photos taken 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 the California Native Plant Society plant cover methodology and collected from pool margins to avoid disturbance. Additionally, cover estimates for native and nonnative species collected for vernal pool basins 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 | No |
| | | X 5 | Nobel Drive | Yes | Yes |
| | | I 12 | Pueblo Lands (South) | Yes | No |
| | Central | Q 2 | Mission Trails Regional Park | Yes | Yes |
| | | N 5-6 | Montgomery Field ⁺ | Yes | No |
| | | KK 2 | Pasatiempo | Yes | Yes |
| | | N 7 | Serra Mesa Library | Yes | Yes |
| | South | J 14 | Anderprises (City) | Yes | No |
| | | J 2 | Cal Terraces (North) (City), Otay Mesa Road Parcels | Yes | Yes |
| | | J 14 | Cal Terraces (South) | Yes | Yes |
| | | J 2 | Clayton Parcel | Yes | Yes |
| | | J 16-18 | Goat Mesa (City) | Yes | Yes |
| | | J 31 | Hidden Trails | Yes | Yes |
| | | MM 1 | Marron Valley | Yes | No |
| | | K 5 | Otay Lakes | Yes | No |
| | | R 1 | Proctor Valley ^{^^} | Yes | Yes |
| | | J 32 | West Otay B | Yes | Yes |
| | | J 32 | West Otay C | Yes | Yes |
| | | J 16-18 | Wruck Canyon | Yes | Yes |
| Level 2 | Central | U 15 | SANDER ^{^^} | Yes | Yes |
| | South | J 4-5 | Robinhood Ridge | Yes | Yes |
| Level 3 | South | J 35 | Brown Field ⁺ | Yes | No |
| | | J 13 N | South Otay 1 acre (City) | Yes | Yes |
| TBD | North | TBD | NEW: Dormouse | Yes | Yes |
| | | TBD | NEW: Fairbanks Highlands | Yes | Yes |
| | | TBD | NEW: Stowe | Yes | No |
| | | C10-16 | Winterwood (City) ⁺⁺ | Yes | No |
| | Central | TBD | NEW: Calle de Vida | Yes | Yes |
| | | QQ | Tecolote Canyon ⁺⁺ | Yes | No |
| | South | NC | Kelton ⁺⁺ | Yes | No |
| | | TBD | NEW: Ocean View Hills Pkwy | Yes | Yes |
| | | TBD | NEW: Seabird Way | Yes | Yes |
| | | TBD | NEW: Topsail | Yes | No |

¹ Cross (+) indicates that vernal pool complex performs under site-specific restoration plan or management plan (refer to Appendix B of the VPMMP for further details); (++) double cross indicates that either no management is required per the VPMMP or vernal pools have been newly discovered and not included in the VPMMP; caret (^) indicates vernal pool complex is under ownership of Tripoint; double caret (^^) indicates complex is undergoing restoration and received monthly maintenance and monitoring through subcontractor services; "NEW" indicates that vernal pool complex was not captured during VPHCP implementation, therefore is not assigned to a management level nor complex series and is not included in 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: **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 | 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 | No |

¹ Details regarding monitoring observations and management activities are provided in Appendix B-1. Of note, health guidelines outlined during the COVID-19 pandemic restricted the number of monitoring events that were feasible to implement during the overlapping portion of fiscal year 2021.

² City staff can only enter private properties with approved right-of-entry permits therefore City staff was only able to view the properties from public right-of-way and complete management sheets that were entered into Qualitative monitoring datasheets. 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 2021. Vernal pool-specific monitoring datasheets are attached as Appendix B-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 2-2. Generally, pool selection was determined by management level requirements and influenced by presence of focal species recorded in baseline conditions. In the time since baseline conditions were documented (2003) and Year 3 of VPHCP implementation (2021), 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 2-2. 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. Table 2-3 summarizes cover class estimates for each focal species recorded in 2021 and average nonnative species cover (2019 – 2021). Photos of surveyed vernal pool basins, photographed during quantitative surveys, are attached as Appendix C-2.

Newly observed vernal pools and complexes included in Table 2-1 did not receive quantitative monitoring and are, therefore, not included in Tables 2-2 and 2-3. The City is working with the Wildlife Agencies to develop an onboarding process for newly observed vernal pools and vernal pool complexes into the VPMMP. 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 the 2021 fiscal year for newly observed vernal pools and complexes.

A management level change analysis is conducted in this 2021 Annual Report for planning units that received adequate rainfall (i.e., at least 55% of the historic average as defined in the VPHCP) during the 2019, 2020, and 2021 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. For 2021, yearly rainfall measurements were within at least 55% of the average rainfall benchmark throughout the south planning unit; Brown Field weather station recorded approximately 6.03 inches of rainfall in 2021, compared to the historic average of 9.6 inches. For the north and central planning units, yearly rainfall measurements were not within at least 55% of the average rainfall benchmark; Montgomery Field weather station recorded approximately 5.93 inches of rainfall in 2021, compared to the historic average of 11.4 inches. Therefore, the north and central planning units do not qualify for a management level change analysis in this 2021 Annual Report. Only the south planning unit received 3 years of adequate rainfall between 2019 and 2021 and is, therefore, applicable for the management level change analysis. A running annual rainfall total is detailed in Table 2-4.

Shrimp density and average cover of focal species from 2019 through 2021, compared to baseline conditions are illustrated in Table 2-3 through a graduated color scale (see Figure 2-1 for color coding details). The results in Table 2-3 detail an analysis throughout the north, central, and south planning units; however, given the inadequate 2021 rainfall year in the north and central planning units, triggers that necessitate management level changes associated with focal species apply only to individual vernal pool complexes within the south planning unit. Nonnative species cover is analyzed based on a 3-year running average (i.e. 2019 – 2021) and, therefore, is not used to determine management level changes in this Annual Report. The results of the 2022 Annual Report will include an analysis of nonnative species cover compared to the 2019 through 2021 average. In summary, all Level 1 and Level 2 vernal pool complexes meet criteria to remain at management Level 1 and Level 2, respectively. Level 3 vernal pool complexes will be analyzed for management level change in the 2023 report. A summary of recommended management level changes is detailed in Table 2-5.

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 | Total Number of Conserved Pools Occupied by Focal Species (Sample Size) ^{3,4} | | | | | | |
|-------------|----------------------------|---|---|---|-----------------|--------------|---------------|--------------|--------------|---------------|
| | | | | ✓ = Presence of Focal Species ⁵ at Baseline ⁶ Ω = Presence of Focal Species Newly Detected in 2020 Ω* = Presence of Focal Species Newly Detected in 2020, Re-detected in 2021 § = Presence of Focal Species Newly Detected in 2021 | | | | | | |
| | | | | PONU | POAB | NAFO | ERAR | ORCA | RFS | SDFS |
| Level 1 | North | Carroll Canyon/Parkdale Carroll Canyon - D 5-8 | 116 | 0 (0) | 42 (6) | 1 (1) | 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 | 0 (0) | 3 (1) | 0 (0) | 49 (5) | 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 | 0 (0) | 5 (1) | 0 (0) | 3 (1) | 0 (0) | 0 (-) | 0 (-) |
| | | Pool 1177 | | - | ✓ | - | ✓ | - | - | - |
| | | Lopez Ridge (City) - B 7-8 | 10 | 0 (0) | 10 (2) | 0 (0) | 1 (1) | 0 (0) | 0 (-) | 2 (-) |
| | | Pool 706 | | - | ✓ | - | ✓ | - | - | - |
| | | Pool 712 | | - | ✓ | - | - | - | - | - |
| | Central | Montgomery Field - N 5-6 | 333 | 0 (0) | 129 (13) | 0 (0) | 0 (0) | 0 (0) | 0 (-) | 45 (-) |
| | | Pool 4256 | | - | ✓ | - | - | - | - | ✓ |
| | | Pool 4596 | | - | ✓ | - | - | - | - | ✓ |
| | | Pool 5352 | | - | ✓ | - | - | - | - | - |
| | | Pool 5355 | | - | ✓ | - | - | - | - | - |
| | | Pool 5356 | | - | ✓ | - | - | - | - | - |
| | | Pool 5358 | | - | ✓ | - | - | - | - | - |

| Mgmt. Level | Planning Unit ¹ | Vernal Pool Complex Name - Complex Series Vernal Pool ID ² | Total Number of Conserved Pools within Complex ³ | Total Number of Conserved Pools Occupied by Focal Species (Sample Size) ^{3,4} | | | | | | |
|-------------|----------------------------|--|---|---|--------------|----------------|-----------------|----------------|---------------|----------------|
| | | | | ✓ = Presence of Focal Species ⁵ at Baseline ⁶ Ω = Presence of Focal Species Newly Detected in 2020 Ω* = Presence of Focal Species Newly Detected in 2020, Re-detected in 2021 § = Presence of Focal Species Newly Detected in 2021 | | | | | | |
| | | | | PONU | POAB | NAFO | ERAR | ORCA | RFS | SDFS |
| | | 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 | 286 (29) | 0 (0) | 79 (12) | 275 (29) | 52 (10) | 93 (-) | 209 (-) |
| | | Pool 42 | | ✓ | - | ✓ | ✓ | - | - | ✓ |
| | | Pool 51** | | ✓ | - | ✓ | ✓ | ✓ | - | ✓ |
| | | Pool 67 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 78 | | ✓ | - | - | ✓ | ✓ | ✓ | ✓ |
| | | Pool 89 | | ✓ | - | - | ✓ | - | - | ✓ |
| | | Pool 96 | | ✓ | - | ✓ | ✓ | - | - | ✓ |
| | | Pool 100 | | ✓ | - | ✓ | ✓ | - | - | ✓ |
| | | Pool 295 | | ✓ | - | - | ✓ | - | - | ✓ |
| | | Pool 301 | | ✓ | - | - | ✓ | - | ✓ | ✓ |
| | | Pool 445 | | ✓ | - | - | ✓ | Ω | ✓ | ✓ |
| | | Pool 447 | | ✓ | - | ✓ | ✓ | - | - | ✓ |
| | | Pool 449 | | ✓ | - | - | ✓ | - | - | ✓ |
| | | Pool 450 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 451 | | ✓ | - | - | ✓ | - | ✓ | ✓ |
| | | Pool 452 | | ✓ | - | - | ✓ | - | ✓ | ✓ |
| | | Pool 459 | | ✓ | - | ✓ | ✓ | - | ✓ | ✓ |
| | | Pool 464 | | ✓ | - | - | ✓ | - | ✓ | - |
| | | Pool 471 | | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Pool 473 | | ✓ | - | ✓ | ✓ | - | ✓ | ✓ |
| | | Pool 483 | | ✓ | - | - | ✓ | ✓ | - | ✓ |
| | | Pool 484 | | ✓ | - | - | ✓ | ✓ | ✓ | ✓ |
| | | Pool 490 | | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ |

| Mgmt. Level | Planning Unit ¹ | Vernal Pool Complex Name - Complex Series Vernal Pool ID ² | Total Number of Conserved Pools within Complex ³ | Total Number of Conserved Pools Occupied by Focal Species (Sample Size) ^{3,4} ✓ = Presence of Focal Species ⁵ at Baseline ⁶ Ω = Presence of Focal Species Newly Detected in 2020 Ω* = Presence of Focal Species Newly Detected in 2020, Re-detected in 2021 § = Presence of Focal Species Newly Detected in 2021 | | | | | | |
|-------------|----------------------------|--|---|---|--------------|--------------|---------------|--------------|---------------|---------------|
| | | | | PONU | POAB | NAFO | ERAR | ORCA | RFS | SDFS |
| | | Pool 502 | | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Pool 509 | | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| | | Pool 591 | | ✓ | - | - | ✓ | ✓ | - | ✓ |
| | | Pool 1310 | | ✓ | - | ✓ | ✓ | ✓ | - | ✓ |
| | | Pool 1321 | | ✓ | - | - | ✓ | - | ✓ | ✓ |
| | | Pool 1713 | | ✓ | - | - | ✓ | - | ✓ | ✓ |
| | | Pool 1724 | | ✓ | - | - | ✓ | - | ✓ | ✓ |
| | | Cal Terraces (South) - J 14 | 73 | 63 (7) | 0 (0) | 6 (1) | 55 (7) | 5 (1) | 26 (-) | 32 (-) |
| | | Pool 2022 | | ✓ | - | - | ✓ | § | ✓ | ✓ |
| | | Pool 2025 | | ✓ | - | ✓ | ✓ | - | ✓ | ✓ |
| | | Pool 2039 | | ✓ | - | Ω* | ✓ | - | ✓ | ✓ |
| | | Pool 2043 | | ✓ | - | - | ✓ | ✓ | ✓ | ✓ |
| | | Pool 2044 | | ✓ | - | - | ✓ | - | ✓ | ✓ |
| | | Pool 2185 | | ✓ | - | - | ✓ | - | ✓ | ✓ |
| | | Pool 2189 | | ✓ | - | Ω | ✓ | - | - | ✓ |
| | | Nobel Drive - X 5 | 11 | 0 (0) | 0 (0) | 1 (1) | 0 (0) | 0 (0) | 0 (-) | 6 (-) |
| | | Pool 666 | | - | - | ✓* | - | - | - | - |
| | | Clayton Parcel - J 2 | 35 | 0 (1) | 0 (0) | 0 (0) | 1 (1) | 0 (0) | 0 (-) | 2 (-) |
| | | Pool 876 | | Ω* | - | - | ✓ | - | - | - |
| | | Goat Mesa (City) - J 16-18 | 15 | 0 (0) | 0 (0) | 0 (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 | 0 (0) | 0 (0) | 2 (1) | 46 (5) | 0 (0) | 0 (-) | 6 (-) |
| | | Pool 208 | | - | - | - | ✓ | - | - | - |
| | | Pool 656 | | - | - | - | ✓ | - | - | - |
| | | Pool 891 | | - | - | - | ✓ | - | - | - |
| | | Pool 892 | | - | - | ✓ | ✓ | - | - | - |
| | | Pool 1801 | | - | - | - | ✓ | - | - | - |

| Mgmt. Level | Planning Unit ¹ | Vernal Pool Complex Name - Complex Series Vernal Pool ID ² | Total Number of Conserved Pools within Complex ³ | Total Number of Conserved Pools Occupied by Focal Species (Sample Size) ^{3,4} ✓ = Presence of Focal Species ⁵ at Baseline ⁶ Ω = Presence of Focal Species Newly Detected in 2020 Ω* = Presence of Focal Species Newly Detected in 2020, Re-detected in 2021 § = Presence of Focal Species Newly Detected in 2021 | | | | | | |
|-------------|----------------------------|--|---|---|---------------|---------------|----------------|---------------|--------------|---------------|
| | | | | PONU 0 (0) | POAB 0 (0) | NAFO 0 (0) | ERAR 1 (1) | ORCA 0 (0) | RFS 0 (-) | SDFS 0 (-) |
| | | West Otay C J 32 | 7 | | | | | | | |
| | | Pool 1545 | | § | - | - | ✓ | - | - | - |
| | | Robinhood Ridge J 4-5 | 83 | 19 (19) | 0 (0) | 4 (4) | 46 (46) | 0 (0) | 6 (-) | 41 (-) |
| | | Pool 1577 | | - | - | - | ✓ | - | - | - |
| | | Pool 1580 | | - | - | - | ✓ | - | - | - |
| | | Pool 1595 | | - | - | - | ✓ | - | - | - |
| | | Pool 1596 | | - | - | - | ✓ | - | - | - |
| | | Pool 1598 | | - | - | Ω | ✓ | - | - | - |
| | | Pool 1599 | | - | - | - | ✓ | - | - | - |
| | | Pool 1600 | | - | - | - | ✓ | - | - | - |
| | | Pool 1601 | | - | - | - | ✓ | - | - | - |
| | | Pool 1602 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1603 | | - | - | - | ✓ | - | - | - |
| | | Pool 1604 | | - | - | - | ✓ | - | - | - |
| | | Pool 1606 | | - | - | - | ✓ | - | - | - |
| | | Pool 1607 | | Ω* | - | - | ✓ | - | - | - |
| | | Pool 1608 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1609 | | - | - | - | ✓ | - | - | - |
| | | Pool 1666 | | - | - | - | ✓ | - | - | - |
| | | Pool 1667 | | - | - | - | ✓ | - | - | - |
| | | Pool 1668 | | ✓ | - | ✓ | ✓ | - | - | - |
| | | Pool 1669 | | - | - | - | ✓ | - | - | - |
| | | Pool 1670 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1671 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1672 | | - | - | - | ✓ | - | - | - |
| | | Pool 1673 | | - | - | - | ✓ | - | - | - |
| | | Pool 1675 | | - | - | - | ✓ | - | - | - |
| | | Pool 1676 | | - | - | - | ✓ | - | - | - |
| | | Pool 1677 | | - | - | - | ✓ | - | - | - |
| | | Pool 1678 | | - | - | - | ✓ | - | - | - |
| | | Pool 1679 | | - | - | - | ✓ | - | - | - |

| Mgmt. Level | Planning Unit ¹ | Vernal Pool Complex Name - Complex Series Vernal Pool ID ² | Total Number of Conserved Pools within Complex ³ | Total Number of Conserved Pools Occupied by Focal Species (Sample Size) ^{3,4} | | | | | | |
|-------------|----------------------------|--|---|---|--------------|--------------|--------------|--------------|--------------|--------------|
| | | | | ✓ = Presence of Focal Species ⁵ at Baseline ⁶ Ω = Presence of Focal Species Newly Detected in 2020 Ω* = Presence of Focal Species Newly Detected in 2020, Re-detected in 2021 § = Presence of Focal Species Newly Detected in 2021 | | | | | | |
| | | | | PONU | POAB | NAFO | ERAR | ORCA | RFS | SDFS |
| | | Pool 1684 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1685 | | - | - | - | ✓ | - | - | - |
| | | Pool 1688 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1689 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1691 | | - | - | - | ✓ | - | - | - |
| | | Pool 1692 | | - | - | - | ✓ | - | - | - |
| | | Pool 1693 | | - | - | - | ✓ | - | - | - |
| | | Pool 1694 | | - | - | - | ✓ | - | - | - |
| | | Pool 1696 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1697 | | ✓ | - | ✓ | ✓ | - | - | - |
| | | Pool 1698 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1699 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1700 | | ✓ | - | ✓ | ✓ | - | - | - |
| | | Pool 1701 | | - | - | - | ✓ | - | - | - |
| | | Pool 1702 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1703 | | ✓ | - | - | § | - | - | - |
| | | Pool 1705 | | ✓ | - | - | Ω* | - | - | - |
| | | Pool 1706 | | ✓ | - | - | - | - | - | - |
| | | Pool 1708 | | ✓ | - | - | ✓ | - | - | - |
| | | Pool 1709 | | - | - | - | ✓ | - | - | - |
| | | Pool 1710 | | ✓ | - | ✓ | ✓ | - | - | - |
| Level 3 | South* | South Otay 1 acre (City) - J 13 N | 17 | 0 (0) | 0 (0) | 1 (1) | 1 (1) | 1 (1) | 0 (-) | 0 (-) |
| | | Pool 1235 | | - | - | ✓ | - | ✓ | - | - |
| | | Pool 2339 | | - | - | - | ✓ | Ω | - | - |

¹ Asterisk (*) indicates rainfall within planning unit during reporting period is adequate for VPMMP standards assessment (55% of average rainfall).

² Double asterisk (**) indicates pool vernal pool is not City-owned. 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*, RFS = Riverside fairy shrimp, SDFS = San Diego fairy shrimp.

⁶ Cross (+) indicates a correction to baseline data for focal species presence was made during the reporting period.

Table 2-4. 2021 Focal Plant Species Cover Classes and Fairy Shrimp Density

| Mgmt. Level ¹ | Planning Unit ² | Vernal Pool Complex Name - Complex Series Vernal Pool ID | Focal Plant Species Cover Classes | | | | | Fairy Shrimp Density ³ | | Average Nonnative Species Cover Class (2019-2021) | Vernal Pool Maximum Depth ^{3,4} |
|--|----------------------------|--|-----------------------------------|------|------|------|------|-----------------------------------|------|---|--|
| | | | 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%, 2 = >1–5%, 3 = >5–10%, 4 = >10–25%, 5 = >25– 50%, 6 = >50–75%, and 7 = >75%. Color coding represents average change in cover class (2019 - 2021) of one whole cover class from baseline (2003). Color scale indicates the following: Green cells = increase in cover class, White cells = no change in cover class, and Red cells = decrease in cover class. Key to Symbolology: 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 | - | 3 | 0 | 5 | - | / | / | 1 | / |
| | | Pool 1092 | - | 4 | - | 3 | - | / | / | 1 | / |
| | | Pool 1096 | - | 2 | - | 5 | - | / | / | 1 | / |
| | | Pool 1109 | - | 2 | - | 4 | - | / | / | 1 | / |
| | | Pool 1740 | - | 2 | - | 5 | - | / | / | 1 | / |
| | | Pool 1743 | - | - | - | 5 | - | / | / | 1 | / |
| | | Pool 1746 | - | 1 | - | 5 | - | / | / | 1 | / |
| | | Del Mar Mesa (City) - H 1-10, 13-15, 18-26 | | | | | | | | | |
| | | Pool 1255 | - | - | - | 4 | - | / | / | 0 | / |
| | | Pool 1260 | - | 2 | - | 4 | - | / | / | 0 | / |
| | | Pool 1264 | - | - | - | 4 | - | / | / | 1 | / |
| | | Pool 1272 | - | - | - | 5 | - | / | / | 0 | / |
| | | Pool 1842 | - | 1 | - | 1 | - | / | / | 1 | / |
| | | Pool 2468 | - | - | - | 2 | - | / | / | 0 | / |
| | | Greystone Torrey Highlands - H 39 | | | | | | | | | |
| | | Pool 1177 | - | 4 | - | 4 | - | / | / | 2 | / |
| | | Lopez Ridge (City) - B 7-8 | | | | | | | | | |
| | Pool 706 | - | 3 | - | 0 | - | / | / | 1 | / | |
| | Pool 712 | - | 3 | - | - | - | / | / | 1 | / | |
| | Central | Montgomery Field - N 5-6 | | | | | | | | | |
| | | Pool 4256 | - | 3 | - | - | - | / | / | 3 | / |
| | | Pool 4596 | - | 2 | - | - | - | / | / | 1 | / |
| | | Pool 5352 | - | 2 | - | - | - | / | / | 1 | / |
| | | Pool 5355 | - | 0 | - | - | - | / | / | 1 | / |
| | | Pool 5356 | - | 1 | - | - | - | / | / | 3 | / |
| Pool 5358 | | - | 4 | - | - | - | / | / | 1 | / | |
| Pool 5363 | | - | 2 | - | - | - | / | / | 2 | / | |
| Pool 5369 | | - | 4 | - | - | - | / | / | 2 | / | |
| Pool 5371 | | - | 2 | - | - | - | / | / | 2 | / | |
| Pool 5388 | - | 1 | - | - | - | / | / | 1 | / | | |

| Mgmt. Level ¹ | Planning Unit ² | Vernal Pool Complex Name - Complex Series Vernal Pool ID | Focal Plant Species Cover Classes | | | | | Fairy Shrimp Density ³ | | Average Nonnative Species Cover Class (2019-2021) | Vernal Pool Maximum Depth ^{3,4} |
|--------------------------|----------------------------|--|-----------------------------------|------|------|------|------|-----------------------------------|------|---|--|
| | | | PONU | POAB | NAFO | ERAR | ORCA | RFS | SDFS | | |
| | | Pool 5423 | - | 2 | - | - | - | / | / | 1 | / |
| | | Pool 6351 | - | 0 | - | - | - | / | / | 2 | / |
| | | Pool 6384 | - | 5 | - | - | - | / | / | 1 | / |
| | South* | Cal Terraces (North) (City), Otay Mesa Road Parcels - J 2 | | | | | | | | | |
| | | Pool 42 | 0 | - | 0 | 4 | - | / | / | 1 | / |
| | | Pool 51** | 3 | - | 1 | 2 | 0 | / | / | 2 | / |
| | | Pool 67 | 3 | - | - | 3 | - | / | / | 1 | / |
| | | Pool 78 | 3 | - | - | 4 | 0 | / | / | 2 | / |
| | | Pool 89 | 3 | - | - | 3 | - | / | / | 1 | / |
| | | Pool 96 | 0 | - | 0 | 5 | - | / | / | 1 | / |
| | | Pool 100 | 0 | - | 0 | 5 | - | / | / | 1 | / |
| | | Pool 295 | 0 | - | - | 5 | - | / | / | 2 | / |
| | | Pool 301 | 5 | - | - | 3 | - | / | / | 1 | / |
| | | Pool 445 | 5 | - | - | 4 | - | / | / | 1 | / |
| | | Pool 447 | 0 | - | 0 | 4 | - | / | / | 1 | / |
| | | Pool 449 | 3 | - | - | 2 | - | / | / | 1 | / |
| | | Pool 450 | 2 | - | - | 5 | - | / | / | 1 | / |
| | | Pool 451 | 0 | - | - | 1 | - | / | / | 1 | / |
| | | Pool 452 | 2 | - | - | 4 | - | / | / | 1 | / |
| | | Pool 459 | 2 | - | 0 | 2 | - | / | / | 1 | / |
| | | Pool 464 | 2 | - | - | 1 | - | / | / | 1 | / |
| | | Pool 471 | 2 | - | 0 | 4 | 0 | / | / | 1 | / |
| | | Pool 473 | 4 | - | 0 | 4 | - | / | / | 1 | / |
| | | Pool 483 | 0 | - | - | 3 | 0 | / | / | 1 | / |
| | | Pool 484 | 1 | - | - | 4 | 0 | / | / | 1 | / |
| | | Pool 490 | 2 | - | 0 | 3 | 0 | / | / | 1 | / |
| | | Pool 502 | 1 | - | 1 | 3 | 0 | / | / | 1 | / |
| | | Pool 509 | 2 | - | 0 | 3 | 0 | / | / | 1 | / |
| | | Pool 591 | 2 | - | - | 4 | 0 | / | / | 1 | / |
| | | Pool 1310 | 3 | - | 0 | 4 | 0 | / | / | 1 | / |
| | | Pool 1321 | 4 | - | - | 3 | - | / | / | 1 | / |
| | | Pool 1713 | 1 | - | - | 5 | - | / | / | 1 | / |
| | | Pool 1724 | 0 | - | - | 5 | - | / | / | 1 | / |
| | | Cal Terraces (South) - J 14 | | | | | | | | | |
| | | Pool 2022 | 0 | - | - | 4 | 1 | / | / | 1 | / |
| | | Pool 2025 | 4 | - | 0 | 2 | - | / | / | 2 | / |
| | | Pool 2039 | 4 | - | 1 | 4 | - | / | / | 2 | / |
| | | Pool 2043 | 0 | - | - | 2 | 0 | / | / | 0 | / |

| Mgmt. Level ¹ | Planning Unit ² | Vernal Pool Complex Name - Complex Series Vernal Pool ID | Focal Plant Species Cover Classes | | | | | Fairy Shrimp Density ³ | | Average Nonnative Species Cover Class (2019-2021) | Vernal Pool Maximum Depth ^{3,4} |
|--------------------------|----------------------------|--|-----------------------------------|------|------|------|------|-----------------------------------|------|---|--|
| | | | PONU | POAB | NAFO | ERAR | ORCA | RFS | SDFS | | |
| | | Pool 2044 | 1 | - | - | 3 | - | / | / | 0 | / |
| | | Pool 2185 | 5 | - | - | 5 | - | / | / | 1 | / |
| | | Pool 2189 | 2 | - | - | 1 | - | / | / | 4 | / |
| | | Nobel Drive - X 5 | | | | | | | | | |
| | | Pool 666 | - | - | - | - | - | / | / | 1 | / |
| | | Clayton Parcel - J 2 | | | | | | | | | |
| | | Pool 876 | 2 | - | - | 1 | - | / | / | 3 | / |
| | | Goat Mesa (City) - J 16-18 | | | | | | | | | |
| | | Pool 1141 | - | - | - | 1 | - | / | / | 1 | / |
| | | Pool 1142 | - | - | - | 1 | - | / | / | 1 | / |
| | | Pool 1189 | - | - | - | 2 | - | / | / | 0 | / |
| | | Pool 1775 | - | - | - | 1 | - | / | / | 1 | / |
| | | Pool 1920 | - | - | - | - | - | / | / | 1 | / |
| | | Pool 2642 | - | - | - | 4 | - | / | / | 0 | / |
| | | Otay Lakes - K 5 | | | | | | | | | |
| | | Pool 208 | - | - | - | 2 | - | / | / | 3 | / |
| | | Pool 656 | - | - | - | 3 | - | / | / | 2 | / |
| | | Pool 891 | - | - | - | 3 | - | / | / | 2 | / |
| | | Pool 892 | - | - | 0 | 2 | - | / | / | 2 | / |
| | | Pool 1801 | - | - | - | 1 | - | / | / | 3 | / |
| | | West Otay C J 32 | | | | | | | | | |
| | | Pool 1545 | 2 | - | - | 2 | - | / | / | 1 | / |
| Level 2 | South* | Robinhood Ridge J 4-5 | | | | | | | | | |
| | | Pool 1577 | - | - | - | 0 | - | / | / | 4 | / |
| | | Pool 1580 | - | - | - | 2 | - | / | / | 2 | / |
| | | Pool 1595 | - | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1596 | - | - | - | 5 | - | / | / | 0 | / |
| | | Pool 1598 | - | - | - | 5 | - | / | / | 1 | / |
| | | Pool 1599 | - | - | - | 5 | - | / | / | 1 | / |
| | | Pool 1600 | - | - | - | 6 | - | / | / | 0 | / |
| | | Pool 1601 | - | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1602 | 0 | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1603 | - | - | - | 5 | - | / | / | 1 | / |
| | | Pool 1604 | - | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1606 | - | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1607 | 2 | - | - | 5 | - | / | / | 1 | / |
| | | Pool 1608 | 0 | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1609 | - | - | - | 6 | - | / | / | 0 | / |

| Mgmt. Level ¹ | Planning Unit ² | Vernal Pool Complex Name - Complex Series Vernal Pool ID | Focal Plant Species Cover Classes | | | | | Fairy Shrimp Density ³ | | Average Nonnative Species Cover Class (2019-2021) | Vernal Pool Maximum Depth ^{3,4} |
|--------------------------|----------------------------|--|-----------------------------------|------|------|------|------|-----------------------------------|------|---|--|
| | | | PONU | POAB | NAFO | ERAR | ORCA | RFS | SDFS | | |
| | | Pool 1666 | - | - | - | 5 | - | / | / | 0 | / |
| | | Pool 1667 | - | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1668 | 2 | - | 0 | 6 | - | / | / | 1 | / |
| | | Pool 1669 | - | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1670 | 0 | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1671 | 0 | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1672 | - | - | - | 5 | - | / | / | 2 | / |
| | | Pool 1673 | - | - | - | 5 | - | / | / | 1 | / |
| | | Pool 1675 | - | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1676 | - | - | - | 5 | - | / | / | 2 | / |
| | | Pool 1677 | - | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1678 | - | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1679 | - | - | - | 5 | - | / | / | 1 | / |
| | | Pool 1684 | 0 | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1685 | - | - | - | 1 | - | / | / | 3 | / |
| | | Pool 1688 | 0 | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1689 | 0 | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1691 | - | - | - | 5 | - | / | / | 1 | / |
| | | Pool 1692 | - | - | - | 5 | - | / | / | 1 | / |
| | | Pool 1693 | - | - | - | 5 | - | / | / | 2 | / |
| | | Pool 1694 | - | - | - | 0 | - | / | / | 3 | / |
| | | Pool 1696 | 0 | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1697 | 0 | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1698 | 0 | - | 0 | 5 | - | / | / | 2 | / |
| | | Pool 1699 | 0 | - | - | 4 | - | / | / | 4 | / |
| | | Pool 1700 | 2 | - | 0 | 4 | - | / | / | 3 | / |
| | | Pool 1701 | - | - | - | 6 | - | / | / | 1 | / |
| | | Pool 1702 | 0 | - | - | 6 | - | / | / | 3 | / |
| | | Pool 1703 | 0 | - | - | 1 | - | / | / | 3 | / |
| | | Pool 1705 | 0 | - | - | 1 | - | / | / | 2 | / |
| | | Pool 1706 | 2 | - | - | - | - | / | / | 2 | / |
| | | Pool 1708 | 4 | - | - | 0 | - | / | / | 2 | / |
| | | Pool 1709 | - | - | - | 0 | - | / | / | 4 | / |
| | | Pool 1710 | 0 | - | 0 | 5 | - | / | / | 3 | / |

| Mgmt. Level ¹ | Planning Unit ² | Vernal Pool Complex Name - Complex Series Vernal Pool ID | Focal Plant Species Cover Classes | | | | | Fairy Shrimp Density ³ | | Average Nonnative Species Cover Class (2019-2021) | Vernal Pool Maximum Depth ^{3,4} |
|--------------------------|----------------------------|--|-----------------------------------|------|------|------|------|-----------------------------------|------|---|--|
| | | | PONU | POAB | NAFO | ERAR | ORCA | RFS | SDFS | | |
| Level 3 | South* | South Otay 1 acre (City) - J 13 N | | | | | | | | | |
| | | Pool 1235 | - | - | 0 | - | 0 | / | / | 4 | / |
| | | Pool 2339 | - | - | - | 1 | - | / | / | 5 | / |

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).

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

⁴ 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.

Table 2-5. 2019 – 2021 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 |
| North | Montgomery Field | 11.4 | 6.3 | 13.5 | 12.88 | 5.93 |
| Central | | | | | | |
| South | Brown Field | 9.6 | 5.3 | 12.07 | 17.54 | 6.03 |

Source: <http://www.wrh.noaa.gov/sgx/obs/rtp/rtpmap.php?wfo=sgx> and San Diego County Department of Public Works

¹ Rainfall data is presented in inches.

² Red cells indicate yearly totals did not meet 55% of normal rainfall.

Table 2-6. Proposed Management Level Change

| Mgmt. Level | Planning Unit ¹ | Vernal Pool Complex Name - Complex Series | Management Level Change ² | Average Change in Plant Species Cover Classes (2019 -2021) | | | | | Fairy Shrimp Density ³ | | Average Nonnative Species Cover Class (2019-2021) ⁴ | Change in Hydrologic Function ^{3,5} |
|-------------|----------------------------|--|--------------------------------------|--|------|-------|-------|-------|-----------------------------------|------|--|--|
| | | | | PONU | POAB | NAFO | ERAR | ORCA | RFS | SDFS | | |
| Level 1 | North | Carroll Canyon | NC | - | 1.0 | 0.0 | 2.4 | - | / | / | 1.0 | / |
| | | Del Mar Mesa (City) | NC | - | 0.3 | - | 1.7 | - | / | / | 0.3 | / |
| | | Greystone Torrey Highlands | NC | - | 2.0 | - | 1.0 | - | / | / | 2.0 | / |
| | | Lopez Ridge (City) | NC | - | 1.0 | - | (0.5) | - | / | / | 1.0 | / |
| | Central | Montgomery Field | NC | - | 0.7 | - | - | - | / | / | 1.6 | / |
| | South | Cal Terraces (North), Otay Mesa Road Parcels | NC | 0.2 | - | (0.2) | 1.3 | (0.1) | / | / | 1.1 | / |
| | | Cal Terraces (South) | NC | 0.6 | - | 0.0 | 0.9 | (0.1) | / | / | 1.4 | / |
| | | Nobel Drive | NC | - | - | 1.0 | - | - | / | / | 1.0 | / |
| | | Clayton Parcel | NC | 1.0 | - | - | 0.0 | - | / | / | 3.0 | / |
| | | Goat Mesa | NC | - | - | - | 0.8 | - | / | / | 0.7 | / |
| | | Otay Lakes | NC | - | - | (0.2) | 0.4 | - | / | / | 2.4 | / |
| | | West Otay C | NC | 1.0 | - | - | 0.0 | - | / | / | 1.0 | / |
| Level 2 | South* | Robinhood Ridge | NC | (0.2) | - | (0.0) | 2.4 | - | / | / | 1.5 | / |
| Level 3 | South* | South Otay 1 acre (City) | NA ² | - | - | (0.5) | 0.0 | (0.5) | / | / | 4.5 | / |

Key to Management Level Triggers: **A-** = Level 1 to Level 2; **A+** = Level 2 to Level 1; **B-** = Level 2 to Level 3; **C-** = Level 1 to Level 3; **C+** = Level 3 to Level 1;

NC = No Change; **NA** = Not Applicable

Key to Symbolology: dash (-) = Focal species not detected during baseline; forward slash (/) = vernal pool resource not evaluated; parentheses [()] = decline in cover class

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.

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

⁴ Nonnative species triggers apply regardless of adequate rainfall; 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.

Quantitative topographic disturbance assessments (referenced in Table 2-3) were not conducted during the 2021 monitoring period due to the absence of baseline hydrologic data; Section 2.1.3 of this 2021 Annual Report provides further detail. 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 shall be collected within 5 years of VPHCP implementation and serve as a benchmark from which topographic and hydrologic disturbance can be assessed (refer to Chapter 4.1.2 of the VPMMP for further details regarding baseline hydrologic surveys). Baseline hydrologic surveys will be conducted by 2023 to satisfy this requirement.

2.2 Private Property Management and Monitoring

As discussed in Section 1.4 of this 2021 Annual Report, the City's responsibilities under the VPHCP include enforcement of management and monitoring of vernal pool complexes consistent with the VPHCP. During the 2021 fiscal year, projects occurring on private property within VPHCP jurisdiction were not at the status requiring 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 D details site-specific activities outlined within the associated plans, including requirements for maintenance, monitoring, success criteria, and reporting. Refer to the project-specific associated plans for further details regarding maintenance and monitoring requirements for each privately owned vernal pool complex. No reports were received by the City in 2021. Reports anticipated during FY 2022 will be included in the 2022 Annual Report.

2.3 Take Summary

A yearly running total of authorized take associated with covered projects and covered activities is summarized in Table 2-4, which details the impacts to vernal pool habitat (including number of basins and total acreage), impacts to Covered Species, and associated mitigation activities. During the reporting period, no incidental take was reported.

Table 2-7. 2020-2021 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 |
| | Rhodes Crossings | | | | | | | | | | | | |
| 2020 | 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 | - | - | - | - | - | - | | | | | | | |
| TOTAL ACREAGE: | | | | | 0.042 | 0.196 | 0 | 0 | 0 | 0 | 0 | 0 | 7 basins |
| TOTAL NUMBER OF IMACPTED BASINS: | | | | | 8 | | | | | | | | |

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

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

3. VPHCP Funding

3.1 Spend During Reporting Period and Future Funding Sources

Fiscal year spend for VPHCP management and monitoring activities coinciding with this reporting period is detailed in Table 3-1. Table 3-2 identifies funding sources for Year 4 (2022) of VPHCP implementation. Funds for implementing the VPHCP program for City Department of Real Estate and Airport Management (DREAM), Parks and Recreation, and Planning Departments come from the General Fund, while the Public Utilities Department uses Enterprise Funds.

Table 3-1. Spend in Current Fiscal Year (2021)

| City Department ¹ | Estimated Expenditure | |
|---|-----------------------|---------------------|
| | City Staff | Contractor |
| PUD | \$14,996.00 | \$20,200.00 |
| P&R | \$154,189.93 | \$88,175.00 |
| DREAM | \$6,000.00 | \$6,939.38 |
| Planning | \$14,528.00 | \$ - |
| Total Estimated City-Wide Expenditures | | \$305,028.31 |

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

Table 3-2. Funding Sources for Fiscal Year 2022

| City Department ¹ | Funding Source ³ | Estimated Expenditure | |
|---|-----------------------------|-----------------------|---------------------------|
| | | City Staff | Contractor |
| PUD | EF | \$6,585.00 | \$21,577.00 |
| P&R | GF | \$157,142.20 | \$122,483.00 ⁴ |
| DREAM ² | GF | \$ - | TBD |
| Planning | GF, GPMF | \$47,458.70 | NA |
| Total Estimated City-Wide Expenditures | | | \$355,245.90 |

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

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

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

⁴Includes grant funding.

Key to acronyms used: **NA** = Not Applicable; **TBD** = To Be Determined

The VPHCP identified funding for the vernal pool complexes known to the City at the time of VPHCP development. During 2021 monitoring, the City identified vernal pool basins and vernal pool complexes not originally covered under the VPHCP. The City anticipates additional funds will be needed to manage and monitor these instances under the VPHCP and will coordinate with the Wildlife Agencies to determine an appropriate timeline to accept and adopt new basins and complexes.

4. References

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

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

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

Appendix A

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

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| 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 | TBD | TBD | TBD | TBD | TBD | TBD | TBD | 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 | 0 | 0 | 0 | 0 | 0 | 2 | City | SSRP | Level 1 |
| H 39 | Greystone Torrey Highlands | North | 0 | 5 | 0 | 3 | 0 | 0 | 0 | City | Level 1/SSMP | Level 1 |
| I 1 | Arjons | North | 0 | 22 | 0 | 15 | 0 | 0 | 1 | Private | None | None ₂ |
| I 6 B | Ford Leasing (Bob 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 | 286 | 0 | 79 | 275 | 52 | 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 | California Crossing | South | 0 | 0 | 0 | 0 | 0 | 0 | 5 | Private | None | N/A |
| | Robinhood Ridge | South | 19 | 0 | 4 | 46 | 0 | 6 | 41 | City | Level 1 | Level 2 |
| J 11 E | Slump Block Pools | South | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Private | None | Level 2 ₁ |
| J 11 W | 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 |
| 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 |
| | Goat Mesa (Private) | South | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Private | None | Level 1 ₁ |
| | Wruck Canyon | South | 0 | 0 | 0 | 0 | 0 | 0 | 0 | City | Level 1 | Level 1* |
| J 20-21 | La Media ITS | South | 0 | 0 | 0 | 0 | 0 | 0 | 6 | Private | None | Level 3 ₁ |
| J 21 | La Media Swale South | South | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Private | None | Level 3 ₁ |
| J 27 | Empire Center | South | 0 | 0 | 0 | 9 | 0 | 0 | 0 | Private | None | None ₂ |
| J 28 E | La Media Swale North | South | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Private | None | Level 3 ₁ |
| J 29 | Lonestar W (Caltrans) | South | 0 | 0 | 0 | 7 | 0 | 1 | 4 | State | SSMP | N/A ₄ |
| 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 | Dennerly 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 | Private | 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 |
| | Mission Trails Regional Park School District | Central | 0 | 0 | 0 | 0 | 0 | 0 | 0 | School District | 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 | Cubic | Central | 0 | 1 | 0 | 2 | 0 | 0 | 6 | Private | None | Level 1 ₁ |
| X 5 | Nobel Drive | North | 0 | 0 | 1 | 0 | 0 | 0 | 6 | City | Level 1 | Level 1 |
| X 7 | Nobel Research | North | 0 | 0 | 0 | 0 | 0 | 0 | 1 | City | Level 1/SSMP | Level 1 |
| TBD | NEW: Fairbanks Highlands | North | TBD | TBD | TBD | TBD | TBD | TBD | TBD | City | None | None ₂ |
| TBD | NEW: Dormouse | North | TBD | TBD | TBD | TBD | TBD | TBD | TBD | City | None | None ₂ |
| TBD | NEW: Stowe | North | TBD | TBD | TBD | TBD | TBD | TBD | TBD | City | None | None ₂ |
| TBD | NEW: Calle de Vida | Central | TBD | TBD | TBD | TBD | TBD | TBD | TBD | City | None | None ₂ |
| TBD | NEW: Ocean View Hills Pkwy | South | TBD | TBD | TBD | TBD | TBD | TBD | TBD | City | None | None ₂ |
| TBD | NEW: Topsail | South | TBD | TBD | TBD | TBD | TBD | TBD | TBD | City | None | None ₂ |
| TBD | NEW: Seabird Way | South | TBD | TBD | TBD | TBD | TBD | TBD | TBD | City | None | None ₂ |

SSRP= Site-specific restoration plan
SSMP=Site-specific management plan or requirements

1= These sites may seek development entitlement in the future. During the development entitlement process, the City will ensure the project is consistent with the VPHCP, ESL, Biology Guidelines and required VPMMP Management Level.

2= As separate funding becomes available (e.g., grant funds) the City may work with the owner to implement additional recommended management as identified on the site specific VPMMP management sheet.

3= Restoration is currently in progress as part of a separate permit requirement (not required by the VPHCP). Following completion of restoration, the site will be managed at Level 1, consistent with the VPHCP.

4= If a Caltrans-owned complex is transferred to the City, CDFW, or USFWS, the site would be managed consistent with the VPHCP.

* = The City and Wildlife Agencies will determine if Stewardship (Level 1), Enhancement (Level 2), or Restoration (Level 3) is necessary to achieve the species-specific conservation objectives based on a project level evaluation of these sites.

Yellow

City, CDFW or USFWS owned. Subject management under VPHCP.

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. |
| <i>Pink</i> | 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

2021 Vernal Pool Qualitative Monitoring and Management Datasheets

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VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Mission Trails Regional Park (Q2)

Planning Unit: Central

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 2/11/2021 Start Time: 1:51 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, Regular patrols recommended, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some weeds coming up around edge of pools. Move fence out for years with high amounts of precipitation.

Visit Date: 4/1/2021 Start Time: 12:54 PM

Surveyors: Jason Allen, Mansour Habis

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, Sign install, Fence repair, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Grasses and erodium abundant around and in the pool.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Mission Trails Regional Park (Q2)

| Management Actions Completed |
|--|
| Visit Date: 4/29/2021 Start Time: 2:47 PM Surveyors: Jason Allen, Mansour Habis Action(s) Completed: Fence repair Notes: A portion of the fence was relocated today. |
| Visit Date: 4/29/2021 Start Time: 2:47 PM Surveyors: Jason Allen, Mansour Habis Action(s) Completed: Fence repair Notes: A portion of the fence was relocated today. |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 2/4/2021 Start Time: 8:05 AM

Surveyors: Katy Chappaz and Jonathan Mercado

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: 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, Sign replacement, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: One of the signs near 5369 needs to be replaced.

Visit Date: 4/7/2021 Start Time: 12:05 PM

Surveyors: Jonathan Mercado

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Montgomery Field (N5-6)

Visit Date: 4/27/2021 Start Time: 3:01 PM

Surveyors: JR Sundberg, Jonathan Mercado

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, Dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dry season this year which is not good for ponding and record vernal pool species.

Visit Date: 6/4/2021 Start Time: 8:07 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, Dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 7/16/2020 **Start Time:** 3:51 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥16

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended: Weed control soon.

Notes: Dittrichia graveolens and other summer weeds.

Visit Date: 9/11/2020 **Start Time:** 1:54 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, Restoration/Revegetation, Fence install, Sign install, Dump cleanup, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Pasatiempo (KK2)

Visit Date: 11/17/2020 Start Time: 1:05 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:

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: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 1/14/2021 Start Time: 10:47 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:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Pasatiempo (KK2)

Visit Date: 2/8/2021 Start Time: 12:41 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: Weed control, Restoration/Revegetation, Fence install, Sign install, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes: Pool near dirt road in southwest corner has canine tracks in the pool and bike tracks on the edges. Small amount of water in pool.

Visit Date: 3/18/2021 Start Time: 11:24 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Crown daisy coming up all over. Pool next to trail has water in it. Met to discuss fence install and get estimate.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Pasatiempo (KK2)

Visit Date: 4/22/2021 **Start Time:** 12:25 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, Restoration/Revegetation, Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Weeds dying from City and contractor weed control. Newly installed fence looks good. Lots of weeds in surrounding area.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Pasatiempo (KK2)

| Management Actions Completed | |
|---|----------------------|
| Visit Date: 7/21/2020 | Start Time: 12:07 PM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control | |
| Notes: Dittrichia graveolens and other weeds. | |
| Visit Date: 9/18/2020 | Start Time: 12:03 PM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Trash pickup | |
| Notes: | |
| Visit Date: 3/25/2021 | Start Time: 2:26 PM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Sign install | |
| Notes: Two signs installed by City staff. | |
| Visit Date: 4/6/2021 | Start Time: 7:48 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Fence install | |
| Notes: Contracted crew installing t-post and wire fence around outside of vernal pools to restrict access. | |
| Visit Date: 4/7/2021 | Start Time: 11:42 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Fence install | |
| Notes: Contracted crew installing t-post and wire fence around outside of vernal pools to restrict access. | |
| Visit Date: 4/8/2021 | Start Time: 11:00 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control | |
| Notes: City staff performed weed control around pools and trimmed weeds along the trails. | |
| Visit Date: 4/9/2021 | Start Time: 10:49 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control | |
| Notes: Contracted crew performing weed control. Crown daisy, tocolote thistle and fennel abundant in outer perimeter. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 7/16/2020 Start Time: 4:20 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, Trash pickup, Regular patrols recommended, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended: Weed management soon.

Notes: Dittrichia graveolens and other weeds.

Visit Date: 12/7/2020 Start Time: 11:42 AM

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, Restoration/Revegetation, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Serra Mesa Library (N7)

Visit Date: 2/3/2021 Start Time: 1:45 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Site needs a lot of weed control.

Visit Date: 2/17/2021 Start Time: 3:22 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Weeds growing fast. No Orcutt's Brodiaea seen yet. Euc branches to chip.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Serra Mesa Library (N7)

Visit Date: 3/15/2021 Start Time: 3:24 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 0

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Weeds sprayed during last visit are dying or dead. Site needs additional spraying or weed whacking weed management. Cut branches need to be removed.

Visit Date: 4/21/2021 Start Time: 2:55 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: 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, Regular patrols recommended, Fence repair, Restoration/Revegetation, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes: Fence damaged by transient activities. No encampments present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Serra Mesa Library (N7)

| Management Actions Completed | |
|--|-----------------------------|
| Visit Date: 12/15/2020 | Start Time: 8:13 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control | |
| Notes: Contracted crew weed whacking, trimming and cutting down invasive trees. | |
| Visit Date: 2/18/2021 | Start Time: 10:50 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Dethatching | |
| Notes: Contracted crew applying herbicide to invasive plants and weed whacking. | |
| Visit Date: 5/5/2021 | Start Time: 9:56 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control | |
| Notes: Contracted crew performing weed control. City staff performing weed control. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 3/17/2021 **Start Time:** 1:12 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: 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: Erodium and grasses around pools. Site looks good overall. A few pools have water and fairy shrimp. Button celery coming up in a few pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Carmel Mountain (H38)

| Management Actions Completed | |
|---|-------------|
| Visit Date: 9/26/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Fence install, Fence repair | |
| Notes: City staff performed fence repair and installation. | |
| Visit Date: 10/7/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Fence install, Fence repair | |
| Notes: City staff performed fence repair and installation. | |
| Visit Date: 10/8/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Fence install, Fence repair | |
| Notes: City staff performed fence repair and installation. | |
| Visit Date: 10/16/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 10/17/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 10/18/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 11/6/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Fence install, Fence repair, Trash pickup | |
| Notes: City staff performed fence repair, installation and trash pickup. | |
| Visit Date: 12/5/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Fence install, Fence repair | |
| Notes: City staff performed fence repair and installation. City staff patrolled vernal pool preserve. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Carmel Mountain (H38)

| | |
|---|--------------------|
| Visit Date: 2/5/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Trail maintenance | |
| Notes: City staff performed trail maintenance. | |
| Visit Date: 3/10/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 3/12/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 4/24/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 6/12/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Trash pickup, Trail maintenance | |
| Notes: City staff performed trail maintenance and trash pickup. City staff patrolled vernal pool preserve. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 8/19/2020 Start Time: 11:34 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, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Weed control

Notes: Stinkwort present.

Visit Date: 3/15/2021 Start Time: 2:48 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, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Button celery coming up. Some old trash present. Grasses and weeds coming up.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

Visit Date: 4/30/2021 **Start Time:** 11:32 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, Restoration/Revegetation, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Thatch cover. Mesa mint and button celery present.

Management Actions Completed

Visit Date: 5/5/2021 **Start Time:** 7:58 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Trash pickup

Notes: Contracted crew performing weed control and trash pickup.

Visit Date: 6/9/2021 **Start Time:** 8:41 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Dethatching, Trash pickup

Notes: Contracted crew picking up trash, dumps and weed whacking.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 8/10/2020 **Start Time:** 12:13 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, Restoration/Revegetation, Sign install, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Pulled one stinkwort plant

Notes:

Visit Date: 12/29/2020 **Start Time:** 1:03 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: 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: Trash pickup, Weed control, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Crescent Heights (B7-8)

Visit Date: 3/29/2021 **Start Time:** 12:09 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, Sign install, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: African daisy creeping in from edge of street. Pockets of tocolote thistle and grasses.

Management Actions Completed

Visit Date: 12/24/2020 **Start Time:** 10:28 AM

Surveyors: Jason Allen

Action(s) Completed: Erosion control to protect slope below complex

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 11/5/2020 Start Time: 11:38 AM

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:

Tresspass/Unauthorized Use:

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, Gaterepair, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 2/26/2021 Start Time: 11:45 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use: Ongoing

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool:

Damage from Edge Effects:

Invasive Species in Buffer:

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

Visit Date: 4/20/2021 Start Time: 10:30 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: 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, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Impacts from illegal trails in pools. Fence broken again. Light weed cover only in some areas. Two road pools are ponding.

Visit Date: 5/25/2021 Start Time: 1:11 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: Regular patrols recommended, Trash pickup, Weed control, Dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes: Visited Northern area today. Looks good besides invasive grasses surrounding the pools. A few unmapped pools were discovered and mapped. Very dry conditions.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

Visit Date: 5/26/2021 **Start Time:** 2:55 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:

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: Restoration/Revegetation, Fence repair, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes: Mountain bike trails through pools.

Visit Date: 5/27/2021 **Start Time:** 11:15 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use: Ongoing

Damage to Fences and/or Signs:

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:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

| Management Actions Completed | |
|--|-------------|
| Visit Date: 7/3/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff performed sign replacement and installation. | |
| Visit Date: 7/4/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 7/15/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 7/22/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff performed sign replacement and installation. | |
| Visit Date: 7/23/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Weed control | |
| Notes: City staff performed weed control. City staff patrolled vernal pool preserve. | |
| Visit Date: 7/28/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Trail maintenance | |
| Notes: City staff performed trail maintenance. | |
| Visit Date: 7/30/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff performed sign replacement and installation. | |
| Visit Date: 8/9/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff performed sign replacement and installation. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

| | |
|---|--------------------|
| Visit Date: 10/2/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff performed sign replacement and installation. | |
| Visit Date: 10/3/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install, Weed control | |
| Notes: City staff performed sign replacement, installation and weed control. | |
| Visit Date: 10/8/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install, Weed control | |
| Notes: City staff performed sign replacement, installation and weed control. | |
| Visit Date: 10/11/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff performed weed control. | |
| Visit Date: 10/18/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 10/24/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 10/28/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 10/29/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

| | |
|--|--------------------|
| Visit Date: 10/30/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 11/21/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Fence install, Fence repair | |
| Notes: City staff performed fence repair and installation. City staff patrolled vernal pool preserve. | |
| Visit Date: 12/17/2020 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 2/6/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Add replace lock | |
| Notes: City staff replaced lock. | |
| Visit Date: 2/12/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 2/27/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 3/20/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff performed sign replacement and installation. | |
| Visit Date: 4/2/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff performed sign replacement and installation. City staff patrolled vernal pool preserve. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

| | |
|--|--------------------|
| Visit Date: 4/3/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install, Fence repair | |
| Notes: City staff performed sign replacement and installation and fence repair. | |
| Visit Date: 4/9/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff performed sign replacement and installation. | |
| Visit Date: 4/10/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 4/15/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff performed sign replacement and installation. | |
| Visit Date: 4/18/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff patrolled vernal pool preserve. City staff performed sign replacement and installation. | |
| Visit Date: 4/22/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff performed sign replacement and installation. City staff patrolled vernal pool preserve. | |
| Visit Date: 4/30/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Fence install, Fence repair | |
| Notes: City staff performed fence repair and installation. | |
| Visit Date: 5/28/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

| | |
|--|--------------------|
| Visit Date: 5/31/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 6/2/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 6/3/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 6/5/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install, Fence repair | |
| Notes: City staff performed sign replacement and installation and fence repair. | |
| Visit Date: 6/10/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install, Fence repair | |
| Notes: City staff performed sign replacement and installation and fence repair. | |
| Visit Date: 6/12/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 6/17/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 6/18/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Sign install | |
| Notes: City staff performed sign replacement and installation. City staff patrolled vernal pool preserve. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

| | |
|---|--------------------|
| Visit Date: 6/20/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 6/24/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 6/26/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: | |
| Notes: City staff patrolled vernal pool preserve. | |
| Visit Date: 6/30/2021 | Start Time: |
| Surveyors: City staff | |
| Action(s) Completed: Fence install, Fence repair | |
| Notes: City staff performed fence repair and installation. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 7/15/2020 Start Time: 4:19 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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended: Weed management soon.

Notes: Dittrichia graveolens and other weeds present.

Visit Date: 2/4/2021 Start Time: 3:21 PM

Surveyors: MBerninger

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 6-15

Fairy Shrimp Visible: Present

Listed Plants Visible? Wrong_Time

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool:

Damage from Edge Effects:

Invasive Species in Buffer:

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: First check of the year, to determine if there are any pools with fairy shrimp and if they are holding water.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Greystone Torrey Highlands (H39)

Visit Date: 3/12/2021 Start Time: 12:41 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Erodium and curly dock need to be treated soon.

Visit Date: 4/9/2021 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:

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: Button celery and mesa mint present. Erodium, grasses and sonchus throughout. Dittrichia graveolens starting to emerge.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Greystone Torrey Highlands (H39)

Visit Date: 4/20/2021 **Start Time:** 7:18 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: Erodium, sonchus throughout. Grasses gone to seed. Some Dittrichia graveolens emerging.

Management Actions Completed

Visit Date: 4/20/2021 **Start Time:** 7:25 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: Contracted crew performing weed control.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 8/10/2020 **Start Time:** 12:50 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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stinkwort present.

Visit Date: 12/29/2020 **Start Time:** 1:28 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:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Lopez Ridge (B7-8)

Visit Date: 3/29/2021 **Start Time:** 11:51 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Mesa mint coming in. Some grasses already gone to seed and tocolote thistle and erodium rosettes.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Pueblo Lands (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: 3/1/2021 Start Time: 10:45 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 5/4/2021 Start Time: 11:45 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Pueblo Lands (South) (I12)

Visit Date: 6/18/2021 **Start Time:** 10:26 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥16

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Winterwood (C10-16)

Planning Unit: North

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 3/15/2021 Start Time: 1:53 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: 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, Fence install, Sign install, Regular patrols recommended, Grading/Recontouring, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trail cutting through a few pools. Grasses and annual weeds coming up. Install fence and signage to block access.

Visit Date: 6/9/2021 Start Time: 9:42 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: Ongoing

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trails through some pools. Trash and concrete in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 5/14/2021 Start Time: 1:03 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: Restoration/Revegetation, Weed control, Fence install, Sign install, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Not much signs of significant pooling from earlier in the season. Some Psilocarphus, Plantago, Plagiobothrys and Crassula found. Very dry year.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 9/24/2020 Start Time: 4:31 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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 1/5/2021 Start Time: 11:34 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: 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, Restoration/Revegetation, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

Visit Date: 1/26/2021 **Start Time:** 10:31 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 0

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Checked on work crew performed weed whacking Southern edge near road. Also checked northern section. Some trash present in both sites. Weeds starting to grow.

Visit Date: 2/3/2021 **Start Time:** 11:33 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: 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: Pool 492, 487, 533 ponding and have fairy shrimp present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

Visit Date: 3/4/2021 **Start Time:** 2:27 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, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Grasses ready to be treated in northern section. Fennel outside of complex needs to be controlled. Button celery coming up.

Visit Date: 3/17/2021 **Start Time:** 7:33 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: 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: Water in a pool. Lots of grasses coming up. Site looks good overall.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

Visit Date: 3/30/2021 **Start Time:** 1:07 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Checking on contractor past spray job. Some weeds dead, lots still alive.

Visit Date: 4/28/2021 **Start Time:** 1:49 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, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

Visit Date: 5/13/2021

Start Time: 3:25 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: Trash pickup, Weed control, Dethatching, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dense cover of invasive grasses throughout northern section.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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

| Management Actions Completed | |
|--|----------------------|
| Visit Date: 8/18/2020 | Start Time: 12:19 PM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Trash pickup | |
| Notes: City staff performed weed control. | |
| Visit Date: 1/19/2021 | Start Time: 8:14 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Trash pickup | |
| Notes: Contracted crew weed whacked dead weeds and picked up trash along southern end. | |
| Visit Date: 3/17/2021 | Start Time: 7:25 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Trash pickup | |
| Notes: Crew performing weed control today at northern section. | |
| Visit Date: 3/24/2021 | Start Time: 7:08 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control | |
| Notes: Crown daisy, mustard, erodium and tocolote thistle. | |
| Visit Date: 4/8/2021 | Start Time: 12:16 PM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control | |
| Notes: Contracted crew performed weed control. | |
| Visit Date: 4/8/2021 | Start Time: 9:19 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control | |
| Notes: Contracted crew performed weed control. | |
| Visit Date: 5/20/2021 | Start Time: 7:59 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Dethatching | |
| Notes: Contracted crew performing weed control and thatch removal. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 3/4/2021 **Start Time:** 9:52 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: 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: Weed control to focus on Eastern fence edge first. Daisy abundant. Trash pickup from bags being thrown over.

Visit Date: 5/3/2021 **Start Time:** 1:07 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: 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: Stinknet in small patch present. Stinkwort coming up. New trash from under fence and some thrown over. Otay Mesa Mint and Button celery throughout.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Cal Terraces (South) (J14)

Visit Date: 5/20/2021 **Start Time:** 11:08 AM

Surveyors: MBerninger

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: New

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

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Management Actions Completed

Visit Date: 1/26/2021 **Start Time:** 10:53 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Dethatching, Trash pickup

Notes: Trash picked up near entrance. Weed control along eastern fence line.

Visit Date: 3/23/2021 **Start Time:** 7:06 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Trash pickup

Notes: Contracted crew performing weed control and trash pickup.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 12/3/2020 Start Time: 12:22 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, Restoration/Revegetation, Dump cleanup, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: City staff installed interpretive Kiosk panel.

Visit Date: 1/5/2021 Start Time: 12:43 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, Restoration/Revegetation, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Burrowing owl seen in newly installed burrows.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Clayton Parcel (J2)

Visit Date: 2/3/2021 Start Time: 8:56 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: 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, Dump cleanup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 2/17/2021 Start Time: 12:38 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: 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, Sign install, Dump cleanup, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some restored pools holding water. Button celery coming up. Grasses and erodium need treatment. No burrowing owl noticed. Fence damaged from vehicle accident.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Clayton Parcel (J2)

Visit Date: 3/4/2021 Start Time: 11:18 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Absent

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trash along road from crash. Other old trash and dumps throughout. Grasses and erodium dominate.

Visit Date: 4/26/2021 Start Time: 1:24 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: 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, Dump cleanup, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Grasses and weeds mostly dead. Tarweed coming up. Trash still throughout, but less. Side being restored had recent weed control visit.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Clayton Parcel (J2)

Visit Date: 5/26/2021 **Start Time:** 9:25 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, Sign install, Trash pickup, Dump cleanup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Met with contractor to show where to pickup trash and dumps in coming weeks.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Clayton Parcel (J2)

Management Actions Completed

Visit Date: 7/22/2020 **Start Time:** 2:02 PM

Surveyors: Jason Allen

Action(s) Completed: Weed control, City staff picked up cut vegetation along access path.

Notes: Ditrichia graveolens, salsola tragus and others present.

Visit Date: 9/17/2020 **Start Time:** 11:49 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: City staff performed weed control of Dittrichia graveolens, Salsola tragus and other weeds.

Visit Date: 3/4/2021 **Start Time:** 6:50 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: Contractor applying herbicide to invasive plants.

Visit Date: 3/5/2021 **Start Time:** 11:00 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: Contracted crew performing weed control.

Visit Date: 6/4/2021 **Start Time:** 8:51 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Dethatching, Trash pickup

Notes: Contracted crew performing weed control and trash pickup.

Visit Date: 6/7/2021 **Start Time:** 11:21 AM

Surveyors: Jason Allen

Action(s) Completed: Dethatching, Weed control, Trash pickup, Dump cleanup

Notes: Contracted crew picking up trash and weed whacking.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 1/5/2021 Start Time:

Surveyors: Jason Allen

Site Conditions:

Ponded Water:

Days Since Last Rain:

Fairy Shrimp Visible:

Listed Plants Visible?

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool:

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: City staff performed Qualitative monitoring.

Visit Date: 1/15/2021 Start Time:

Surveyors: Jason Allen

Site Conditions:

Ponded Water:

Days Since Last Rain:

Fairy Shrimp Visible:

Listed Plants Visible?

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool:

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: City staff performed Qualitative monitoring.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Goat Mesa (J16-18)

Visit Date: 3/9/2021 Start Time: 10:15 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 4/22/2021 Start Time: 10:07 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥16

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Fence repair

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Goat Mesa (J16-18)

Visit Date: 4/23/2021 Start Time:

Surveyors: Jason Allen

Site Conditions:

Ponded Water:

Days Since Last Rain:

Fairy Shrimp Visible:

Listed Plants Visible?

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool:

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: City staff performed Qualitative monitoring.

Visit Date: 5/14/2021 Start Time:

Surveyors: Jason Allen

Site Conditions:

Ponded Water:

Days Since Last Rain:

Fairy Shrimp Visible:

Listed Plants Visible?

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool:

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: City staff performed Qualitative monitoring.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Goat Mesa (J16-18)

Visit Date: 6/8/2021 Start Time: 9:28 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥16

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Fence repair

Other Management Needs:

Additional Management Actions Recommended:

Notes: Plant monitoring done by contractor today.

Management Actions Completed

Visit Date: 3/24/2021 Start Time:

Surveyors: Jason Allen

Action(s) Completed: Weed control, Dethatching

Notes: City staff performed weed control and dethatching.

Visit Date: 5/18/2021 Start Time:

Surveyors: Jason Allen

Action(s) Completed: Weed control, Dethatching

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

Visit Date: 5/19/2021 Start Time:

Surveyors: Jason Allen

Action(s) Completed: Weed control, Dethatching

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

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 1/5/2021 Start Time: 1:04 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:

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:

Visit Date: 1/26/2021 Start Time: 10:08 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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Checking on work performed by contracted crew. Weed control buffers done around pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Hidden Trails (J31)

Visit Date: 2/19/2021 Start Time: 10:39 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:

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, Sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Invasive grasses, erodium, mustards, ice plant present.

Visit Date: 3/4/2021 Start Time: 7:58 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, Sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Road pools at far northwest are holding water. Other pools near houses are not.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Hidden Trails (J31)

Visit Date: 5/14/2021 **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: 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, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some pools densely covered with invasive grasses. Crystalline ice plant dense in some areas.

Management Actions Completed

Visit Date: 10/27/2020 **Start Time:** 9:53 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Trash pickup

Notes: Hand pulled Dittrichia graveolens.

Visit Date: 1/20/2021 **Start Time:** 8:00 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: Crew weed whacked around vernal pools.

Visit Date: 2/19/2021 **Start Time:** 10:28 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Dethatching

Notes: Button celery starting to emerge. Heavy weed cover. Contracted crew spraying today.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 2/25/2021 Start Time: 10:45 AM

Surveyors: Cheryl Jenkins, Travis Whitney

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Wrong_Time

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Fence repair, Fence install

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 5/3/2021 Start Time: 2:30 PM

Surveyors: Cheryl Jenkins, Travis Whitney

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: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Fence repair

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Marron Valley (MM1)

Visit Date: 6/16/2021 **Start Time:** 10:22 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥16

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Fence repair, Sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Nobel Drive (X5)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 3/17/2021 Start Time: 2:35 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

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: Grasses and erodium coming up. Lots of thatch from last year. Site looks good, but needs some weed control.

Visit Date: 5/28/2021 Start Time: 12:49 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, Sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dead grasses and biomass need to be weed whacked.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Nobel Drive (X5)

| Management Actions Completed |
|---|
| Visit Date: 4/9/2021 Start Time: 7:09 AM Surveyors: Jason Allen Action(s) Completed: Weed control Notes: Weed whack down grasses. |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 2/1/2021 Start Time: 10:15 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

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: 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, Sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 4/12/2021 Start Time: 11:04 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥16

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Otay Lakes (K5)

Visit Date: 6/10/2021 **Start Time:** 9:45 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: no

Days Since Last Rain: ≥16

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: Ongoing

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes: Rare plant data collected by contractor.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Proctor Valley (R1)

Planning Unit: South

City or Other? City

Managing Department: Public Utilities

VPHCP Required Management and Monitoring Level: Level 1

Qualitative Monitoring Data

Visit Date: 2/24/2021 Start Time: 8:30 AM

Surveyors: Cheryl Jenkins

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: 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, Gaterepair, Sign replacement, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 3/16/2021 Start Time: 10:45 AM

Surveyors: Cheryl Jenkins

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible: Present

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs: 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, Gaterepair, Sign replacement, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Proctor Valley (R1)

Visit Date: 5/25/2021 **Start Time:** 9:32 AM

Surveyors: Cheryl Jenkins

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: 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, Gate repair, Sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 10/7/2020 Start Time: 12:03 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, Dump cleanup, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 2/9/2021 Start Time: 2:31 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:

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, Dump cleanup, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Oncosiphon seedlings starting to come up.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: West Otay B (J32)

Visit Date: 3/30/2021 Start Time: 9:16 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, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stinknet present within fence and outside. Erodium and grasses present also.

Visit Date: 4/26/2021 Start Time: 12:32 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, Dump cleanup, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stinknet in pools area. Concrete piles and trash in surrounding area. Otay Mesa mint and button celery present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: West Otay B (J32)

Visit Date: 5/13/2021 Start Time: 12:52 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, Dump cleanup, Trash pickup, Sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stinknet throughout site has been treated.

Management Actions Completed

Visit Date: 3/30/2021 Start Time: 8:47 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Regular patrols recommended

Notes: Contracted crew applying herbicide to weeds. Stinknet present within fence and outside. Erodium and grasses present also.

Visit Date: 4/28/2021 Start Time: 12:35 PM

Surveyors: Jason Allen

Action(s) Completed: Fence install

Notes: City staff installed posts to direct vehicle traffic away from road vernal pools. Contracted staff and City staff performed weed control.

Visit Date: 4/28/2021 Start Time: 11:16 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: Contracted crew and City staff performing weed control. Stinknet was the main focus along with other annual weeds.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 10/7/2020 **Start Time:** 12:27 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:

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, Grading/Recontouring, Fence install, Sign install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dittrichia graveolens present.

Visit Date: 2/9/2021 **Start Time:** 2:16 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: 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: Restoration/Revegetation, Weed control, Fence install, Sign install, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Posts for blocking pools were driven around during dry season. Fences need to be installed.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: West Otay C (J32)

Visit Date: 3/30/2021 Start Time: 7:59 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Erodium and grasses around road pools. Stinknet getting closer to pools.

Visit Date: 4/26/2021 Start Time: 12:46 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: 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, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stinknet along dirt road areas. Otay mesa mint and button celery in pool behind fence. Road pools don't have any focal species.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: West Otay C (J32)

Visit Date: 5/13/2021 Start Time: 12:42 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, Restoration/Revegetation, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Stinknet treated in complex. Little mousetail discovered in pool outside fenced area.

Management Actions Completed

Visit Date: 3/30/2021 Start Time: 8:54 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Fence install

Notes: City staff added additional fence posts to direct traffic around or block access into vernal pools along the dirt road.
Performed weed control around vernal pools with string trimmer.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 12/14/2020 **Start Time:** 12:01 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 0

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 3/22/2021 **Start Time:** 11:39 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some erodium, grasses and weeds present. Overall weed cover is not bad.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Wruck Canyon (J16-18)

| Management Actions Completed |
|--|
| Visit Date: 8/13/2020 Start Time: 11:13 AM Surveyors: Jason Allen Action(s) Completed: Weed control Notes: City staff performed weed management. |
| Visit Date: 3/22/2021 Start Time: 12:30 PM Surveyors: Jason Allen Action(s) Completed: Sign install, Trash pickup Notes: One sign installed and one bag of trash picked up. More large trash items remain. |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 1/8/2021 Start Time: 11:03 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:

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, Grading/Recontouring, Sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes: Setup photo points for grant.

Visit Date: 1/26/2021 Start Time: 11:04 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:

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 2/10/2021 Start Time: 1:57 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: Weeds popping up. New beer cans and trash thrown over the fence.

Visit Date: 2/17/2021 Start Time: 11:16 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: 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, Sign install, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Fence was cut where it was previously repaired. Add section of chainlink to mend fence. Add sign to block access and plant cactus on inside of fence line. Button celery coming up.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 3/4/2021 Start Time: 3:37 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: 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, Fence repair, Regular patrols recommended, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Possible transient camp southeast of complex. Report to Get it Done.

Visit Date: 3/30/2021 Start Time: 12:33 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: West parcel has crown daisy and other weeds present. Pools have weeds present inside them and are dry. Site ready for weed control.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 3/30/2021 Start Time: 12:16 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Wards weed and others dying. Picked up some trash.

Visit Date: 4/26/2021 Start Time: 2:52 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: New

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup, Restoration/Revegetation

Other Management Needs:

Additional Management Actions Recommended:

Notes: Wards weed still present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

Visit Date: 6/23/2021 **Start Time:** 3:22 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: 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, Dethatching, Restoration/Revegetation, Trash pickup, Fence repair, Regular patrols recommended, Sign replacement

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

| Management Actions Completed | |
|--|-----------------------------|
| Visit Date: 7/1/2020 | Start Time: 3:37 PM |
| Surveyors: Jason Allen, Paula Birdwell, Erik Stamm | |
| Action(s) Completed: Weed control | |
| Notes: City staff performed weed control. 5 bags of Carrichtera annua removed. | |
| Visit Date: 8/18/2020 | Start Time: 2:03 PM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Trash pickup | |
| Notes: City staff performed weed control of Carrichtera annua and Dittrichia graveolens. | |
| Visit Date: 12/3/2020 | Start Time: 2:16 PM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Fence repair, Trash pickup | |
| Notes: | |
| Visit Date: 2/16/2021 | Start Time: 10:37 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Dethatching | |
| Notes: Contracted crew weed whacking and spraying around the pools. | |
| Visit Date: 2/17/2021 | Start Time: 11:11 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Dethatching | |
| Notes: Carrichtera annua Ward's Weed seedlings coming up and were sprayed today. | |
| Visit Date: 2/19/2021 | Start Time: 11:30 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Fence repair | |
| Notes: | |
| Visit Date: 3/26/2021 | Start Time: 10:15 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Fence repair, Sign install | |
| Notes: Repaired fence that keeps getting vandalized. Sign installed out by street. Branches piled to restrict access. | |
| Visit Date: 3/26/2021 | Start Time: 7:08 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control | |
| Notes: Contracted crew applies herbicide to invasive plants including Carrichtera annua Wards Weed. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

| | |
|---|-----------------------------|
| Visit Date: 4/2/2021 | Start Time: 7:06 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control | |
| Notes: Contracted crew performing weed control. Crown daisy, oxeye daisy, sow thistle, erodium abundant throughout. | |
| Visit Date: 5/3/2021 | Start Time: 10:23 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Dethatching | |
| Notes: Contracted crew performing weed control. Ward's weed present, mapped and controlled. Sowthistle, crown daisy and other weeds present. Grasses weed whacked. | |
| Visit Date: 5/7/2021 | Start Time: 9:46 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Dethatching, Trash pickup | |
| Notes: Contracted crew performing weed control. City staff picked up trash. | |
| Visit Date: 5/7/2021 | Start Time: 12:47 PM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control | |
| Notes: Continue weed control on Wards weed and others that were missed last visit. Weed whack slope and look for Wards weed on Southern slope of site. | |
| Visit Date: 5/19/2021 | Start Time: 12:52 PM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Dethatching, Weed control | |
| Notes: Contractor performing weed control and dethatching. | |
| Visit Date: 5/26/2021 | Start Time: 11:10 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Trash pickup | |
| Notes: Checked on and pulled Wards weed. Picked up some trash. | |
| Visit Date: 6/24/2021 | Start Time: 9:19 AM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Dethatching, Trash pickup | |
| Notes: Contracted crew performing weed control. City staff picked up trash. | |
| Visit Date: 6/25/2021 | Start Time: 12:09 PM |
| Surveyors: Jason Allen | |
| Action(s) Completed: Weed control, Dethatching | |
| Notes: Contracted crew performing weed control and dethatching. | |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 2/4/2021 Start Time: 12:10 PM

Surveyors: Katy Chappaz and Jonathan Mercado

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 1-5

Fairy Shrimp Visible: Absent

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Dethatching, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 4/7/2021 Start Time: 9:10 AM

Surveyors: Jonathan Mercado

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:

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:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Brown Field (J35)

Visit Date: 6/4/2021 **Start Time:** 8:13 AM

Surveyors: Jonathan Mercado

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, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Mammal burrows observed in pools and buffer.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: South Otay 1 acre (J13N)

Planning Unit: South

City or Other? City

Managing Department: Parks & Recreation

VPHCP Required Management and Monitoring Level: Level 3

Qualitative Monitoring Data

Visit Date: 3/22/2021 **Start Time:** 1:13 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: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Heavy grass and erodium cover. Some native plants peaking through. Some old remnant dump trash here and there.

Visit Date: 4/26/2021 **Start Time:** 11:38 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: 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, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Grasses abundant throughout. Tarweed coming up. Crystalline ice plant coming up in a few areas. Button celery present in northern pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: South Otay 1 acre (J13N)

Visit Date: 5/13/2021 Start Time: 11:11 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: 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, Dethatching, Sign install, Fence install, Dump cleanup, Trash pickup, Regular patrols recommended, Grading/Recontouring

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dense layer of invasive grass covers whole area. Pool edges are difficult to find. Area to be restored by City Public Works Department. Recent offroad activity.

Visit Date: 5/14/2021 Start Time: 2:44 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, Fence install, Trash pickup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Recent offroad access through site. Sign shot up. Invasive grasses cover entire area.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: South Otay 1 acre (J13N)

| Management Actions Completed |
|---|
| <p>Visit Date: 10/7/2020 Start Time: 8:54 AM</p> <p>Surveyors: Jason Allen</p> <p>Action(s) Completed: Weed control, Dethatching, Dump cleanup, Trash pickup</p> <p>Notes: Contracted crew picked up trash and weed whacked parcel.</p> |

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 9/16/2020 Start Time: 1:00 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, Restoration/Revegetation, Fence install, Sign install, Trash pickup, Dump cleanup, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 12/7/2020 Start Time: 1:10 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, Restoration/Revegetation, Fence install, Sign install, Trash pickup, Regular patrols recommended, Recontouring pools

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dittrichia graveolens went to seed.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Calle de Vida

Visit Date: 3/18/2021 Start Time: 2:42 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 1-5

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use: 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: Trash scattered throughout mostly cans. Crown daisy and grasses coming up. Button celery in large Southern pool. Trails cutting through a few pools.

Visit Date: 4/9/2021 Start Time: 12:30 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: Fence install, Sign install, Trash pickup, Weed control, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Button celery present. Checking on contracted crew completed work. Crown daisy, stinkwort, grasses and thistles present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Calle de Vida

Management Actions Completed

Visit Date: 4/6/2021 **Start Time:** 8:19 AM

Surveyors: Jason Allen

Action(s) Completed: Fence install, Trash pickup

Notes: Contracted crew installing t-post and wire fence around outside of vernal pools to restrict access.

Visit Date: 4/7/2021 **Start Time:** 12:25 PM

Surveyors: Jason Allen

Action(s) Completed: Fence install, Trash pickup

Notes: Contracted crew installing t-post and wire fence around outside of vernal pools to restrict access.

Visit Date: 5/4/2021 **Start Time:** 9:40 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Fence install, Sign install, Trash pickup

Notes: Contracted crew installing fence, weed whacking and trash pickup.

Visit Date: 5/5/2021 **Start Time:** 1:34 PM

Surveyors: Jason Allen

Action(s) Completed: Fence install, Sign install, Dump cleanup, Trash pickup, Weed control

Notes: Contracted crew installed fence around vernal pools. Crew performed weed control and trash and dump cleanup.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 3/23/2021 **Start Time:** 10:41 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: 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: Trail goes through pool. Pool low quality hard to determine it is a pool. Some weed and thatch cover.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Arjons

Planning Unit: North

City or Other? Other

Managing Department:

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 3/15/2021 Start Time: 12:13 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: 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, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Trash along fence edge. Eucs, pampas, acacia encroaching along eastern edge. Grass and weeds present in open areas. No signs of development. Signs of trespass through break in the fence along SE side of property.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 12/29/2020 Start Time: 2:18 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: 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, Fence repair, Add replace lock, Fence install, Sign install, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

Visit Date: 2/16/2021 Start Time: 12:34 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: 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, Sign install, Trash pickup, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some button celery just emerging.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Dormouse

Visit Date: 3/12/2021 Start Time: 11:47 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: Ongoing

Tresspass/Unauthorized Use:

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: 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, Add replace lock, Add replace chain, Sign install, Gate repair

Other Management Needs:

Additional Management Actions Recommended:

Notes: Button celery coming up in a few pools. Old trash and debris present.

Management Actions Completed

Visit Date: 3/12/2021 Start Time: 12:03 PM

Surveyors: Jason Allen

Action(s) Completed: Trash pickup, Sign install

Notes: Site needs to have both sides closed off on south and west access.

Visit Date: 4/21/2021 Start Time: 12:29 PM

Surveyors: Jason Allen

Action(s) Completed: Fence repair, Sign install, Trash pickup

Notes: City staff set new posts for fence repair, stretched and secured one fence section and installed signs.

Visit Date: 4/22/2021 Start Time: 3:18 PM

Surveyors: Jason Allen, Melanie Fontana

Action(s) Completed: Fence repair

Notes: Finished fence repair.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: East Ocean Air Drive

Planning Unit: North

City or Other? Other

Managing Department:

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 3/17/2021 Start Time: 1:54 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, Fence install, Sign install, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: One pool in old road next to a gate. Other pool mostly covered by Rhus integrifolia and other debris. Recent flagging marking edge of pools wetland perimeter. Outer buffer has been grubbed and weed whacked and debris thrown on larger pool.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Eastgate Miramar Associated

Planning Unit: North

City or Other? Other

Managing Department:

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 3/15/2021 Start Time: 11:26 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 0

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some weeds encroaching into pools. Pampas grass on West end. Trash along inside fence edge. No signs of disturbance or development.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Facilities Development (Eastgate Miramar Associates)

Planning Unit: North

City or Other? Other

Managing Department:

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 3/15/2021 **Start Time:** 11:36 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 0

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Fence install, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: No fences to prohibit anyone from just walking or driving in site. Trash present along road edge. Grasses and weeds throughout. No signs of disturbance or development.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 4/20/2021 Start Time: 8:13 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: 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, Trash pickup, Grading/Recontouring, Regular patrols recommended, Fence install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Heavily impacted site. No plant indicator species in pools. Fairy shrimp have been discovered and sampled in 2020 season and SDFS was identified. A lot of illegal access that has been slowed, but not stopped by installation of new fence sections.

Management Actions Completed

Visit Date: 2/22/2021 Start Time:

Surveyors: Jason Allen

Action(s) Completed: Fence install

Notes: Contracted crew install fence to stop illegal off-road activity.

Visit Date: 2/24/2021 Start Time:

Surveyors: Jason Allen

Action(s) Completed: Sign install

Notes: City staff installed signs on fence.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Fieldstone

Planning Unit: North

City or Other? Other

Managing Department:

VPHCP Required Management and Monitoring Level: None

Qualitative Monitoring Data

Visit Date: 3/15/2021

Start Time: 1:26 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: yes

Days Since Last Rain: 0

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash: Ongoing

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

Management Needs: Weed control, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Eucs encroaching at edges. Grasses and weeds present. One piece of trash along fenceline. No signs of disturbance or development.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 4/2/2021 Start Time: 9:59 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use: 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, Fence install, Sign install, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes:

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 3/23/2021 Start Time: 1:26 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: New

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, Sign install, Grading/Recontouring, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: New bmx jump in outer fenced area. Erodium, tocolote and other weeds present.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 1/26/2021 **Start Time:** 9:34 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:

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: Very overgrown pools not in VPHCP need maintenance.

Visit Date: 5/7/2021 **Start Time:** 11:17 AM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Absent

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Weeds dominate site. Small patch of Ambrosia pumila found nearby.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Ocean View Hills Parkway

Management Actions Completed

Visit Date: 2/3/2021 **Start Time:** 8:12 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Dethatching

Notes: Contracted crew started weed whacking around the vernal pools.

Visit Date: 2/9/2021 **Start Time:** 8:13 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Dethatching, Sign install, Trash pickup, Fence install

Notes:

Visit Date: 2/10/2021 **Start Time:** 11:17 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Dethatching, Fence install, Trash pickup

Notes: Weeds coming up in pools that have been covered in thatch for many years.

Visit Date: 2/16/2021 **Start Time:** 9:33 AM

Surveyors: Jason Allen

Action(s) Completed: Fence install, Trash pickup

Notes: Invasive grasses and other weeds coming up since the area was weed whacked.

Visit Date: 2/17/2021 **Start Time:** 1:58 PM

Surveyors: Jason Allen

Action(s) Completed: Dethatching, Weed control, Fence install

Notes: Contracted crew completed fence installation today.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 10/14/2020 Start Time: 11:21 AM

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:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Dittrichia graveolens present.

Visit Date: 3/4/2021 Start Time: 12:08 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, Fence install, Sign install, Regular patrols recommended, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: West side pools are filled. Button celery emerging. East side needs weed control. West side needs trash pickup. Fencing/signage TBD.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Seabird Way

Visit Date: 3/16/2021 Start Time: 7:14 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: 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, Fence install, Sign install, Regular patrols recommended

Other Management Needs:

Additional Management Actions Recommended:

Notes: Pools partially filled with water. West mesa looks great. Minimal weeds present. East mesa has lots of weeds present.

Visit Date: 3/30/2021 Start Time: 2:21 PM

Surveyors: Jason Allen

Site Conditions:

Ponded Water: no

Days Since Last Rain: 6-15

Fairy Shrimp Visible:

Listed Plants Visible? Present

New and Ongoing Issues Observed During Visit:

Trash:

Tresspass/Unauthorized Use:

Damage to Fences and/or Signs:

Fire or Damage from Fire Supression:

Invasive Species in Pool: Ongoing

Damage from Edge Effects:

Invasive Species in Buffer: Ongoing

Hydrological Impacts:

Other issues observed:

Are other issues new or ongoing?

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

Other Management Needs:

Additional Management Actions Recommended:

Notes: Checking on weed control by contracted crew. Lots of weeds dead, but still some alive. Stinkwort coming up in pools. Lots of weeds in pools on East mesa.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Seabird Way

Visit Date: 4/26/2021 Start Time: 2:15 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, Restoration/Revegetation, Regular patrols recommended, Sign install, Fence install

Other Management Needs:

Additional Management Actions Recommended:

Notes: Some weeds still present in and around pools. Weed whack stinkwort and other dry biomass.

Visit Date: 5/14/2021 Start Time: 3:25 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, Fence install, Sign install, Regular patrols recommended, Trash pickup

Other Management Needs:

Additional Management Actions Recommended:

Notes: Thick weed cover in some pools.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

Complex Name: Seabird Way

Visit Date: 6/4/2021 Start Time: 11:17 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: Checking up on site after last maintenance visit.

Management Actions Completed

Visit Date: 3/16/2021 Start Time: 7:22 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control, Dethatching

Notes: Crew spraying and weed whacking today around pools.

Visit Date: 5/21/2021 Start Time: 7:12 AM

Surveyors: Jason Allen

Action(s) Completed: Weed control

Notes: Contracted crew performing weed control.

VPHCP Qualitative Monitoring and Management Actions

Fiscal Year: 2021

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: 6/4/2021 Start Time: 9:31 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: Button celery and Otay Mesa Mint present in some pools. Invasive grasses and other weeds in around pools.

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Appendix B-2

2021 Vernal Pool Quantitative Monitoring Datasheets

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Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 01:38 PM

Survey End Time: 01:55 PM

Surveyors: J. R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i> - four-spot | <1% |
| <i>Crassula aquatica</i> - water pygmyweed | 10-25% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 5-10% |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant | <1% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower | <1% |
| <i>Pogogyne abramsii</i> - San Diego mesa mint | 5-10% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |
| <i>Psilocarphus tenellus</i> - slender woolly-marbles | <1% |

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

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 5-10% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | 1-5% |
| <i>Lythrum hyssopifolia</i> - grass poly | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | 1-5% |

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in 1-5%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 1-5

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 4256

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena</i> sp. |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i> - four-spot |
| <i>Croton setiger</i> - doveweed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Stipa pulchra</i> - purple needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 01:58 PM

Survey End Time: 02:21 PM

Surveyors: Jonathan Mercado

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 1-5%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Avena</i> sp. | <1% |
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | 1-5% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 10-25%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 1-5

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 4596

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acemison glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena</i> sp. |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bloomeria</i> sp. |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Dipterostemon capitatus</i> - blue dicks |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 01:34 PM

Survey End Time: 01:53 PM

Surveyors: Jonathan Mercado

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 1-5%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Crassula aquatica</i> - water pygmyweed | <1% |
| <i>Croton setiger</i> - doveweed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Avena</i> sp. | <1% |
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 5352

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena</i> sp. |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Selaginella cinerascens</i> - ashy spike-moss |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 01:15 PM

Survey End Time: 01:30 PM

Surveyors: J. R. Sundberg

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Crassula aquatica</i> - water pygmyweed | 5-10% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower | 1-5% |
| <i>Plantago elongata</i> - prairie plantain | 1-5% |
| <i>Plantago erecta</i> - dot-seed plantain | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |

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

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in 1-5%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 1-5

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 5355

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acacia</i> sp. |
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Croton setiger</i> - doveweed |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Galium angustifolium</i> ssp. <i>angustifolium</i> - narrow leaved bedstraw |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Selaginella cinerascens</i> - ashy spike-moss |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 10:47 AM

Survey End Time: 11:16 AM

Surveyors: J. R. Sundberg, Jonathan Mercado

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: <1%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Acmispon americanus</i> var. <i>americanus</i> - Spanish lotus | <1% |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Crassula aquatica</i> - water pygmyweed | 1-5% |
| <i>Croton setiger</i> - doveweed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|--------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 10-25% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | 5-10% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 1-5%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 1-5

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 5356

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Avena</i> sp. |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Croton setiger</i> - doveweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hirschfeldia incana</i> - short-pod mustard |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant |
| <i>Pogogyne abramsii</i> - San Diego mesa mint |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rumex crispus</i> - curly dock |
| <i>Uropappus lindleyi</i> - silver puffs |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 11:21 AM

Survey End Time: 11:45 AM

Surveyors: J. R. Sundberg, Jonathan Mercado

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 10-25%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Castilleja exserta</i> ssp. <i>exserta</i> - purple owl's clover | <1% |
| <i>Crassula aquatica</i> - water pygmyweed | 1-5% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Downingia cuspidata</i> - toothed downingia | 1-5% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Phalaris lemmonii</i> - Lemmon's canary grass | <1% |
| <i>Pilularia americana</i> - American pillwort | 5-10% |
| <i>Pogogyne abramsii</i> - San Diego mesa mint | 10-25% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |

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

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | 1-5% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 1-5%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: 1-5

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 5358

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acemispom glaber</i> var. <i>glaber</i> - deerweed |
| <i>Avena</i> sp. |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Castilleja exserta</i> ssp. <i>exserta</i> - purple owl's clover |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cyperus eragrostis</i> - tall flatsedge |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hirschfeldia incana</i> - short-pod mustard |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant |
| <i>Hordeum</i> sp. |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Pogogyne abramsii</i> - San Diego mesa mint |
| <i>Pseudognaphalium biolettii</i> - bicolor cudweed |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 09:37 AM

Survey End Time: 10:03 AM

Surveyors: JR Sundberg, Jonathan Mercado

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 1-5%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant | <1% |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower | <1% |
| <i>Plantago elongata</i> - prairie plantain | 5-10% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 5-10% |
| <i>Lythrum hyssopifolia</i> - grass poly | 1-5% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in

25-50%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 5363

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Croton setiger</i> - doveweed |
| <i>Daucus pusillus</i> - rattlesnake weed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Hirschfeldia incana</i> - short-pod mustard |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower |
| <i>Pogogyne abramsii</i> - San Diego mesa mint |
| <i>Pseudognaphalium californicum</i> - California everlasting |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 12:25 PM

Survey End Time: 12:44 PM

Surveyors: J. R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 10-25%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Crassula aquatica</i> - water pygmyweed | 5-10% |
| <i>Croton setiger</i> - doveweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant | <1% |
| <i>Microseris douglasii</i> ssp. <i>platycarpha</i> - small-flowered microseris | <1% |
| <i>Phalaris lemmonii</i> - Lemmon's canary grass | <1% |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower | <1% |
| <i>Pogogyne abramsii</i> - San Diego mesa mint | 10-25% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |
| <i>Psilocarphus tenellus</i> - slender woolly-marbles | 1-5% |

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

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Avena</i> sp. | <1% |
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | 1-5% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |
| <i>Spergularia bocconi</i> - Boccone's sand-spurrey | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

1-5%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 1-5

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 5369

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Avena</i> sp. |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bloomeria clevelandii</i> - San Diego goldenstar |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Gazania linearis</i> - treasure flower |
| <i>Hirschfeldia incana</i> - short-pod mustard |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant |
| <i>Pseudognaphalium biolettii</i> - bicolor cudweed |
| <i>Rumex crispus</i> - curly dock |
| <i>Stebbinsoseris heterocarpa</i> - grassland silverpuffs |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 12:18 PM

Survey End Time: 12:54 PM

Surveyors: Jonathan Mercado

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 1-5%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Castilleja exserta</i> ssp. <i>exserta</i> - purple owl's clover | <1% |
| <i>Cyperus eragrostis</i> - tall flatsedge | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower | <1% |
| <i>Plantago elongata</i> - prairie plantain | 1-5% |
| <i>Plantago erecta</i> - dot-seed plantain | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Avena</i> sp. | <1% |
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Gazania linearis</i> - treasure flower | <1% |
| <i>Lythrum hyssopifolia</i> - grass poly | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 5371

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Avena</i> sp. |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Gazania linearis</i> - treasure flower |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Marah macrocarpa</i> - chilicothe |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 02:01 PM

Survey End Time: 02:27 PM

Surveyors: J. R. Sundberg

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: <1%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Bloomeria clevelandii</i> - San Diego goldenstar | <1% |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | 1-5% |
| <i>Crassula aquatica</i> - water pygmyweed | 1-5% |
| <i>Crassula connata</i> - pygmy-weed | 1-5% |
| <i>Deschampsia danthonioides</i> - annual hair grass | 5-10% |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant | <1% |
| <i>Hooveria parviflora</i> | <1% |
| <i>Pilularia americana</i> - American pillwort | <1% |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower | <1% |
| <i>Pogogyne abramsii</i> - San Diego mesa mint | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |
| <i>Selaginella cinerascens</i> - ashy spike-moss | 1-5% |

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

Other Native Species Richness in Basin: 12

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Avena barbata</i> - slender wild oat | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in 1-5%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 1-5

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 5388

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Bloomeria clevelandii</i> - San Diego goldenstar |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Downingia cuspidata</i> - toothed downingia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Gastridium phleoides</i> - nit grass |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant |
| <i>Hooveria parviflora</i> |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Pilularia americana</i> - American pillwort |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower |
| <i>Pogogyne abramsii</i> - San Diego mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Selaginella cinerascens</i> - ashy spike-moss |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 02:26 PM

Survey End Time: 02:41 PM

Surveyors: JR Sundberg, Jonathan Mercado

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 1-5%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Crassula aquatica</i> - water pygmyweed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Downingia cuspidata</i> - toothed downingia | 1-5% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Osmadenia tenella</i> - osmadenia | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |
| <i>Stebbinsoseris heterocarpa</i> - grassland silverpuffs | <1% |

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

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in <1%

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: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 5423

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acemisson glaber</i> var. <i>glaber</i> - deerweed |
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bloomeria</i> sp. |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Erodium</i> sp. |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Hooveria parviflora</i> |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Selaginella cinerascens</i> - ashy spike-moss |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 01:09 PM

Survey End Time: 01:25 PM

Surveyors: 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:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Avena</i> sp. | <1% |
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Gastridium phleoides</i> - nit grass | 1-5% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 6351

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Avena</i> sp. |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Croton setiger</i> - doveweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Quercus berberidifolia</i> - scrub oak |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/27/2021

Survey Start Time: 10:21 AM

Survey End Time: 10:53 AM

Surveyors: JR Sundberg, Jonathan Mercado

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 25-50%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Croton setiger</i> - doveweed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Downingia cuspidata</i> - toothed downingia | 1-5% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Lysimachia minima</i> - chaffweed | <1% |
| <i>Phalaris lemmonii</i> - Lemmon's canary grass | <1% |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower | 25-50% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |
| <i>Zeltnera venusta</i> - California centaury | <1% |

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

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Lythrum hyssopifolia</i> - grass poly | <1% |
| <i>Polypogon interruptus</i> - ditch beard grass | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 10-25%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 1-5

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Montgomery Field (N5-6)

VP ID: 6384

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Avena</i> sp. |
| <i>Bloomeria</i> sp. |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Hirschfeldia incana</i> - short-pod mustard |
| <i>Holocarpha virgata</i> ssp. <i>elongata</i> - graceful tarplant |
| <i>Pseudognaphalium biolettii</i> - bicolor cudweed |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/4/2021

Survey Start Time: 10:58 AM

Survey End Time: 11:44 AM

Surveyors: Jason Allen, Sara Allen

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Cuscuta californica</i> - chaparral dodder | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |
| <i>Selaginella cinerascens</i> - ashy spike-moss | <1% |

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

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | 1-5% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

10-25%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Carroll Canyon (D5-8)

VP ID: 1077

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Agrostis microphylla</i> - small-leaf bent grass |
| <i>Apiastrum angustifolium</i> - mock-parsley |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cuscuta californica</i> - chaparral dodder |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Pogogyne abramsii</i> - San Diego mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes: Very dry this year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/4/2021

Survey Start Time: 12:54 PM

Survey End Time: 01:39 PM

Surveyors: Jason Allen, Sara Allen

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 10-25%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Agrostis microphylla</i> - small-leaf bent grass | <1% |
| <i>Cuscuta californica</i> - chaparral dodder | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in

10-25%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Carroll Canyon (D5-8)

VP ID: 1092

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Chorizanthe polygonoides</i> var. <i>longispina</i> - long-spined spineflower |
| <i>Cuscuta californica</i> - chaparral dodder |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hooveria parviflora</i> |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Juncus bufonius</i> - toad rush |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Pogogyne abramsii</i> - San Diego mesa mint |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Salvia mellifera</i> - black sage |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/4/2021

Survey Start Time: 02:07 PM

Survey End Time: 02:34 PM

Surveyors: Jason Allen, Sara Allen

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 1-5%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Agrostis microphylla</i> - small-leaf bent grass | <1% |
| <i>Cuscuta californica</i> - chaparral dodder | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in

25-50%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Carroll Canyon (D5-8)

VP ID: 1096

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Agrostis microphylla</i> - small-leaf bent grass |
| <i>Apiastrum angustifolium</i> - mock-parsley |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cuscuta californica</i> - chaparral dodder |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Diplacus aurantiacus</i> - orange bush monkeyflower |
| <i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hooveria parviflora</i> |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Juncus dubius</i> - mariposa rush |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/5/2021

Survey Start Time: 09:52 AM

Survey End Time: 10:19 AM

Surveyors: Sara Allen

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 1-5%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Cuscuta californica</i> - chaparral dodder | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Juncus dubius</i> - mariposa rush | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

10-25%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Carroll Canyon (D5-8)

VP ID: 1109

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Juncus bufonius</i> - toad rush |
| <i>Juncus dubius</i> - mariposa rush |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Pogogyne abramsii</i> - San Diego mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Selaginella cinerascens</i> - ashy spike-moss |

Notes: Very dry year. Grasses are already brown and setting seed.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/5/2021

Survey Start Time: 10:41 AM

Survey End Time: 10:57 AM

Surveyors: Sara Allen

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 1-5%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Cuscuta californica</i> - chaparral dodder | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Juncus dubius</i> - mariposa rush | 1-5% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | 1-5% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 1-5%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Carroll Canyon (D5-8)

VP ID: 1740

2021 Quantitative Monitoring Data continued

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Baccharis pilularis</i> - coyote brush |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Diplacus aurantiacus</i> - orange bush monkeyflower |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Pseudognaphalium californicum</i> - California everlasting |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes: Very dry year. Grasses are already brown and dry.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/5/2021

Survey Start Time: 11:12 AM

Survey End Time: 11:20 AM

Surveyors: 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:

Other Native Species in Pool:

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

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

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

10-25%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Carroll Canyon (D5-8)

VP ID: 1743

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crocanthemum scoparium</i> - peak rush-rose |
| <i>Cuscuta californica</i> - chaparral dodder |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hirschfeldia incana</i> - short-pod mustard |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Juncus dubius</i> - mariposa rush |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Marah macrocarpa</i> - chilicothe |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes: Very dry year. Grasses are already dry and brown.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/4/2021

Survey Start Time: 02:44 PM

Survey End Time: 03:17 PM

Surveyors: Jason Allen, Sara Allen

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: <1%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Cuscuta californica</i> - chaparral dodder | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Juncus dubius</i> - mariposa rush | 1-5% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | 1-5% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

10-25%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Carroll Canyon (D5-8)

VP ID: 1746

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Baccharis pilularis</i> - coyote brush |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Gastridium phleoides</i> - nit grass |
| <i>Juncus dubius</i> - mariposa rush |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Pseudognaphalium californicum</i> - California everlasting |
| <i>Pseudognaphalium stramineum</i> - cotton-batting plant |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Solanum</i> sp. |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Very dry year. Pool is mapped as one, but might be two separate pools.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 1255

2003 Baseline Survey Data

Baseline Cover of ERAR: 25.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/26/2021

Survey Start Time: 01:05 PM

Survey End Time: 01:42 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |
| <i>Psilocarphus tenellus</i> - slender woolly-marbles | <1% |
| <i>Selaginella cinerascens</i> - ashy spike-moss | 1-5% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |
| <i>Stipa lepida</i> - foothill needle grass | <1% |
| <i>Zeltnera venusta</i> - California centaury | <1% |

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

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Gastridium phleoides</i> - nit grass | <1% |

Cover of Nonnative Species in Basin: <1%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 5-10%

Cover of Litter in Basin: 25-50%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 1255

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Heteromeles arbutifolia</i> - toyon |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Quercus dumosa</i> - Nuttall's scrub oak |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salvia mellifera</i> - black sage |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Stipa lepida</i> - foothill needle grass |

Notes: Very dry.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 1260

2003 Baseline Survey Data

Baseline Cover of ERAR: 30.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/26/2021

Survey Start Time: 01:47 PM

Survey End Time: 02:33 PM

Surveyors: Jason Allen

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:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | 5-10% |
| <i>Deschampsia danthonioides</i> - annual hair grass | 1-5% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Plantago elongata</i> - prairie plantain | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |
| <i>Stipa lepida</i> - foothill needle grass | <1% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Gastridium phleoides</i> - nit grass | <1% |
| <i>Sonchus oleraceus</i> - common sow thistle | <1% |

Cover of Nonnative Species in Basin: <1%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in 10-25%

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: 2021

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

VP ID: 1260

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Heteromeles arbutifolia</i> - toyon |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Plantago elongata</i> - prairie plantain |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Quercus dumosa</i> - Nuttall's scrub oak |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salvia mellifera</i> - black sage |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Very dry.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 1264

2003 Baseline Survey Data

Baseline Cover of ERAR: 15.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/25/2021

Survey Start Time: 12:17 PM

Survey End Time: 12:31 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Crassula connata</i> - pygmy-weed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |
| <i>Selaginella cinerascens</i> - ashy spike-moss | 1-5% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

50-75%

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: 2021

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

VP ID: 1264

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Baccharis pilularis</i> - coyote brush |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Pseudognaphalium californicum</i> - California everlasting |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Quercus dumosa</i> - Nuttall's scrub oak |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Stipa lepida</i> - foothill needle grass |

Notes: Surrounded by invasive grasses.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 1272

2003 Baseline Survey Data

Baseline Cover of ERAR: 10.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/25/2021

Survey Start Time: 01:28 PM

Survey End Time: 02:18 PM

Surveyors: Jason 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:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Crassula connata</i> - pygmy-weed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Juncus dubius</i> - mariposa rush | 5-10% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |
| <i>Psilocarphus tenellus</i> - slender woolly-marbles | <1% |
| <i>Selaginella cinerascens</i> - ashy spike-moss | 1-5% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |

Cover of Nonnative Species in Basin: <1%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

50-75%

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: 2021

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

VP ID: 1272

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Avena barbata</i> - slender wild oat |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Juncus dubius</i> - mariposa rush |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Pseudognaphalium biolettii</i> - bicolor cudweed |
| <i>Pseudognaphalium californicum</i> - California everlasting |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Quercus dumosa</i> - Nuttall's scrub oak |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |
| <i>Zeltnera venusta</i> - California centaury |

Notes: Lots of invasive grass thatch surrounds area.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 1842

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 15.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/26/2021

Survey Start Time: 02:58 PM

Survey End Time: 03:32 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: POAB, ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: <1%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Lasthenia coronaria</i> - royal goldfields | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |
| <i>Selaginella cinerascens</i> - ashy spike-moss | 1-5% |

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Gastridium phleoides</i> - nit grass | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 75-100

Cover of Rocks/Cobble in

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: 2021

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

VP ID: 1842

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Avena barbata</i> - slender wild oat |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cneoridium dumosum</i> - bushrue |
| <i>Cuscuta californica</i> - chaparral dodder |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Gastridium phleoides</i> - nit grass |
| <i>Lasthenia coronaria</i> - royal goldfields |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Marah macrocarpa</i> - chilicothe |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Pogogyne abramsii</i> - San Diego mesa mint |
| <i>Salvia mellifera</i> - black sage |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stephanomeria</i> sp. |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Xylococcus bicolor</i> - mission manzanita |

Notes: Very dry.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 2468

2004 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/25/2021

Survey Start Time: 10:47 AM

Survey End Time: 11:07 AM

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:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Adenostoma fasciculatum</i> - chamise | <1% |
| <i>Selaginella cinerascens</i> - ashy spike-moss | 1-5% |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

Cover of Nonnative Species in Basin: 0%

Nonnative Species Richness in Basin: 0

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in

50-75%

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: 2021

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

VP ID: 2468

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Cneoridium dumosum</i> - bushrue |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Quercus dumosa</i> - Nuttall's scrub oak |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Selaginella cinerascens</i> - ashy spike-moss |

Notes: Dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/11/2021

Survey Start Time: 09:41 AM

Survey End Time: 09:49 AM

Surveyors: Sara Allen

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: 10-25%

Cover of PONU in Basin:

Other Native Species in Pool:

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

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | 5-10% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Greystone Torrey Highlands (H39)

VP ID: 1177

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis pilularis</i> - coyote brush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Geranium californicum</i> - California geranium |
| <i>Heteromeles arbutifolia</i> - toyon |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Pogogyne abramsii</i> - San Diego mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/29/2021

Survey Start Time: 10:40 AM

Survey End Time: 11:23 AM

Surveyors: Sara 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: 5-10%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Allium haematochiton</i> - red-skin onion | <1% |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | 5-10% |
| <i>Hordeum intercedens</i> - bobtail barley | 1-5% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Muilla maritima</i> - common muilla | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Opuntia littoralis</i> - coast prickly-pear | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |
| <i>Selaginella cinerascens</i> - ashy spike-moss | <1% |
| <i>Zeltnera venusta</i> - California centaury | <1% |

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

Other Native Species Richness in Basin: 12

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

25-50%

Cover of Litter in Basin: 1-5%

Days Since Last Rain: 1-5

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Lopez Ridge (B7-8)

VP ID: 706

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Allium haematochiton</i> - red-skin onion |
| <i>Apiastrum angustifolium</i> - mock-parsley |
| <i>Avena barbata</i> - slender wild oat |
| <i>Bloomeria clevelandii</i> - San Diego goldenstar |
| <i>Brodiaea Orcuttii</i> - Orcutt's brodiaea |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i> - four-spot |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Crocanthemum scoparium</i> - peak rush-rose |
| <i>Daucus pusillus</i> - rattlesnake weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dipterostemon capitatus</i> - blue dicks |
| <i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Galium angustifolium</i> ssp. <i>angustifolium</i> - narrow leaved bedstraw |
| <i>Hedypnois rhagadioloides</i> - crete weed |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Microseris douglasii</i> ssp. <i>platycarpha</i> - small-flowered microseris |
| <i>Muilla maritima</i> - common muilla |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Osmadenia tenella</i> - osmadenia |
| <i>Pentachaeta aurea</i> ssp. <i>aurea</i> - golden-rayed pentachaeta |
| <i>Pogogyne abramsii</i> - San Diego mesa mint |
| <i>Primula clevelandii</i> - padre's shooting star |
| <i>Pseudognaphalium californicum</i> - California everlasting |
| <i>Selaginella cinerascens</i> - ashy spike-moss |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Lopez Ridge (B7-8)

VP ID: 706

| |
|---|
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Zeltnera venusta</i> - California centaury |

Notes: Not much rainfall this year. Grasses are already brown. Rain event 3 days ago was less than 0.10 inches.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 4/29/2021

Survey Start Time: 12:51 PM

Survey End Time: 01:23 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: POAB

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: 5-10%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Crassula aquatica</i> - water pygmyweed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | 1-5% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Osmadenia tenella</i> - osmadenia | <1% |
| <i>Pentachaeta aurea</i> ssp. <i>aurea</i> - golden-rayed pentachaeta | <1% |
| <i>Phalaris lemmonii</i> - Lemmon's canary grass | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |
| <i>Selaginella cinerascens</i> - ashy spike-moss | <1% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |
| <i>Zeltnera venusta</i> - California centaury | <1% |

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

Other Native Species Richness in Basin: 12

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Lopez Ridge (B7-8)

VP ID: 712

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Avena barbata</i> - slender wild oat |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Ceanothus tomentosus</i> - Ramona-lilac |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Clarkia purpurea</i> ssp. <i>quadrivulnera</i> - four-spot |
| <i>Crocianthemum scoparium</i> - peak rush-rose |
| <i>Daucus pusillus</i> - rattlesnake weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i> - long-stem golden-yarrow |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Galium aparine</i> - goose grass |
| <i>Hedynois rhagadioloides</i> - crete weed |
| <i>Hooveria parviflora</i> |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Osmadenia tenella</i> - osmadenia |
| <i>Pentachaeta aurea</i> ssp. <i>aurea</i> - golden-rayed pentachaeta |
| <i>Pseudognaphalium californicum</i> - California everlasting |
| <i>Sisymbrium irio</i> - London rocket |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Zeltnera venusta</i> - California centaury |

Notes: Very dry year - grasses are already brown. Rainfall 3 days ago was less than 0.10 inch.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 03:35 PM

Survey End Time: 03:43 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

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

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in

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: 2021

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

VP ID: 42

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bloomeria crocea</i> - common goldenstar |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cryptantha</i> sp. |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dipterostemon capitatus</i> - blue dicks |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 04:07 PM

Survey End Time: 04:18 PM

Surveyors: Brenda Bennett, Ryan Meszaros

VPHCP Covered Species Present: PONU, NAFO, ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin: <1%

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 5-10%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Baccharis sarothroides</i> - broom baccharis | 1-5% |
| <i>Crassula connata</i> - pygmy-weed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Epilobium campestre</i> - smooth boisduvalia | 50_75 |
| <i>Laennecia coulteri</i> - Coulter's horseweed | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | 1-5% |
| <i>Erigeron sumatrensis</i> - tropical horseweed | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | 5-10% |
| <i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |
| <i>Sonchus oleraceus</i> - common sow thistle | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

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

VP ID: 51

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Epilobium campestre</i> - smooth boisduvalia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hedypnois rhagadioloides</i> - crete weed |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Phalaris minor</i> - little-seeded canary grass |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Ricinus communis</i> - castor bean |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Zeltnera venusta</i> - California centaury |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/11/2021

Survey Start Time: 12:29 PM

Survey End Time:

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: 5-10%

Other Native Species in Pool:

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

Cover of Other Native Species in Basin: 5_10%

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Gastridium phleoides</i> - nit grass | 1-5% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | 1-5% |
| <i>Medicago polymorpha</i> - California burclover | <1% |
| <i>Phalaris minor</i> - little-seeded canary grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 10

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

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

VP ID: 67

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Brassica nigra</i> - black mustard |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Daucus pusillus</i> - rattlesnake weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Gastridium phleoides</i> - nit grass |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Muhlenbergia rigens</i> - deer grass |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Phalaris minor</i> - little-seeded canary grass |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower |
| <i>Pseudognaphalium biolettii</i> - bicolor cudweed |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Silene gallica</i> - windmill pink |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Zeltnera venusta</i> - California centaury |

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/11/2021

Survey Start Time: 02:12 PM

Survey End Time: 02:28 PM

Surveyors: Jason Allen

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%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Baccharis sarothroides</i> - broom baccharis | <1% |
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | 1-5% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 10-25% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Avena barbata</i> - slender wild oat | <1% |
| <i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet | 5-10% |
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Phalaris minor</i> - little-seeded canary grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 11

Bare Ground Cover in

25-50%

Cover of Rocks/Cobble in

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: 2021

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

VP ID: 78

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Amsinckia intermedia</i> - common fiddleneck |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Brachypodium distachyon</i> - purple false brome |
| <i>Brassica nigra</i> - black mustard |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Distichlis spicata</i> - salt grass |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Phalaris minor</i> - little-seeded canary grass |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Rosa minutifolia</i> - small-leaved rose |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Stipa lepida</i> - foothill needle grass |

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/13/2021

Survey Start Time: 02:33 PM

Survey End Time: 03:00 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: 5-10%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Artemisia californica</i> - California sagebrush | <1% |
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eriogonum fasciculatum</i> - California buckwheat | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |
| <i>Stipa lepida</i> - foothill needle grass | <1% |

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | 1-5% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |
| <i>Sonchus oleraceus</i> - common sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in

5-10%

Cover of Rocks/Cobble in

25-50%

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: 2021

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

VP ID: 89

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex pacifica</i> - south coast saltscale |
| <i>Avena barbata</i> - slender wild oat |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rosa minutifolia</i> - small-leaved rose |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Dense invasive grasses surround pool. Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/11/2021

Survey Start Time: 04:31 PM

Survey End Time: 04:43 PM

Surveyors: Jason 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:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Amsinckia intermedia</i> - common fiddleneck | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 5-10% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |

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

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Gastridium phleoides</i> - nit grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Salsola tragus</i> - Russian thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

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

VP ID: 96

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|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Distichlis spicata</i> - salt grass |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Mesembryanthemum crystallinum</i> - crystalline iceplant |
| <i>Rosa minutifolia</i> - small-leaved rose |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/13/2021

Survey Start Time: 03:03 PM

Survey End Time: 03:41 PM

Surveyors: Jason 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:

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 10-25% |
| <i>Epilobium campestre</i> - smooth boisduvalia | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 10-25% |

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

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

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

VP ID: 100

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Mesembryanthemum crystallinum</i> - crystalline iceplant |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes: Dense invasive grasses surround the pool. Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/13/2021

Survey Start Time: 01:35 PM

Survey End Time: 02:25 PM

Surveyors: Jason 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:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Baccharis sarothroides</i> - broom baccharis | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 5-10% |
| <i>Epilobium campestre</i> - smooth boisduvalia | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |

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

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Festuca perennis</i> - rye grass | 1-5% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |
| <i>Sonchus oleraceus</i> - common sow thistle | 5-10% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

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

VP ID: 295

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Brassica nigra</i> - black mustard |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Distichlis spicata</i> - salt grass |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Mesembryanthemum crystallinum</i> - crystalline iceplant |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Pool filled with *Sonchus asper*. Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 09:17 AM

Survey End Time: 09:56 AM

Surveyors: Brenda Bennett, Sara Allen, Jason Allen, Ryan Meszaros

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 25-50%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | 1-5% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Erigeron canadensis</i> - horseweed | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Plantago elongata</i> - prairie plantain | <1% |
| <i>Plantago erecta</i> - dot-seed plantain | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 10-25% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Gastridium phleoides</i> - nit grass | 1-5% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | 1-5% |
| <i>Sonchus oleraceus</i> - common sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in

5-10%

Cover of Rocks/Cobble in

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: 2021

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

VP ID: 301

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex canescens</i> - four-wing saltbush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Brachypodium distachyon</i> - purple false brome |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla |
| <i>Daucus pusillus</i> - rattlesnake weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Erodium moschatum</i> - greenstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Mesembryanthemum crystallinum</i> - crystalline iceplant |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Plagiobothrys collinus</i> - Cooper's popcornflower |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Pseudognaphalium stramineum</i> - cotton-batting plant |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 301

Notes: Very dry year

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 10:25 AM

Survey End Time: 10:59 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 25-50%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 25-50% |

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Gastridium phleoides</i> - nit grass | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | 1-5% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |
| <i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |
| <i>Sonchus oleraceus</i> - common sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 13

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

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

VP ID: 445

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Erodium moschatum</i> - greenstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Gastridium phleoides</i> - nit grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Rosa minutifolia</i> - small-leaved rose |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |
| <i>Zeltnera venusta</i> - California centaury |

Notes: Very dry year

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 10:30 AM

Survey End Time: 10:39 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Epilobium campestre</i> - smooth boisduvalia | 10-25% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | 1-5% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 10-25%

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: 2021

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

VP ID: 447

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|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Distichlis spicata</i> - salt grass |
| <i>Encelia californica</i> - California encelia |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Laennecia coulteri</i> - Coulter's horseweed |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Verbena menthifolia</i> - mint-leaf vervain |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 10:36 AM

Survey End Time: 11:08 AM

Surveyors: Sara Allen

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 5-10%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Grindelia camporum</i> - gumplant | <1% |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower | <1% |
| <i>Plantago elongata</i> - prairie plantain | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 25-50% |

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

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in

5-10%

Cover of Rocks/Cobble in

25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 449

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Calochortus splendens</i> - splendid mariposa lily |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Daucus pusillus</i> - rattlesnake weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Grindelia camporum</i> - gumplant |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lepidium nitidum</i> - shining peppergrass |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Plantago erecta</i> - dot-seed plantain |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 11:28 AM

Survey End Time: 11:52 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Baccharis sarothroides</i> - broom baccharis | <1% |
| <i>Crassula connata</i> - pygmy-weed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | 1-5% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower | 1-5% |
| <i>Plantago elongata</i> - prairie plantain | 1-5% |
| <i>Plantago erecta</i> - dot-seed plantain | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 25-50% |

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

Other Native Species Richness in Basin: 9

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Logfia gallica</i> - daggerleaf cottonrose | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 450

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|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex pacifica</i> - south coast saltscale |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Brassica nigra</i> - black mustard |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Erodium moschatum</i> - greenstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hedypnois rhagadioloides</i> - crete weed |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Logfia arizonica</i> - Arizona cottonrose |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Phacelia cicutaria</i> - caterpillar phacelia |
| <i>Plagiobothrys acanthocarpus</i> - adobe popcornflower |
| <i>Plagiobothrys collinus</i> - Cooper's popcornflower |
| <i>Plantago elongata</i> - prairie plantain |
| <i>Plantago erecta</i> - dot-seed plantain |
| <i>Silene gallica</i> - windmill pink |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 450

| |
|---|
| <i>Zeltnera venusta</i> - California centaury |
|---|

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 11:55 AM

Survey End Time: 12:05 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Grindelia camporum</i> - gumplant | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Erodium moschatum</i> - greenstem filaree | 1-5% |
| <i>Phalaris minor</i> - little-seeded canary grass | <1% |
| <i>Schismus barbatus</i> - Mediterranean schismus | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in 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: 2021

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

VP ID: 451

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Erodium moschatum</i> - greenstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Grindelia camporum</i> - gumplant |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Phalaris minor</i> - little-seeded canary grass |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Pseudognaphalium californicum</i> - California everlasting |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes: Milk snails and Italian white snails present.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 11:11 AM

Survey End Time: 11:43 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |

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

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Gastridium phleoides</i> - nit grass | <1% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Logfia gallica</i> - daggerleaf cottonrose | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 452

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|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Brachypodium distachyon</i> - purple false brome |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Convolvulus simulans</i> - small-flowered morning-glory |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Erodium moschatum</i> - greenstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Gastridium phleoides</i> - nit grass |
| <i>Hedypnois rhagadioloides</i> - crete weed |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Plantago erecta</i> - dot-seed plantain |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Very dry year

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 12:02 PM

Survey End Time: 12:46 PM

Surveyors: Ryan Meszaros

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: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Apiastrum angustifolium</i> - mock-parsley | <1% |
| <i>Deinandra conjugens</i> - Otay tarplant | 1-5% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |
| <i>Stephanomeria</i> sp. | <1% |

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in

25-50%

Cover of Rocks/Cobble in

25-50%

Cover of Litter in Basin: <1%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 459

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Apiastrum angustifolium</i> - mock-parsley |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bergerocactus emoryi</i> - golden-spined cereus |
| <i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet |
| <i>Brachypodium distachyon</i> - purple false brome |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Deinandra conjugens</i> - Otay tarplant |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Erodium moschatum</i> - greenstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Hedypnois rhagadioloides</i> - crete weed |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Zeltnera venusta</i> - California centaury |

Notes: Very dry year

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 01:24 PM

Survey End Time: 01:45 PM

Surveyors: Jason Allen

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%

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Baccharis pilularis</i> - coyote brush | <1% |
| <i>Baccharis sarothroides</i> - broom baccharis | <1% |
| <i>Convolvulus simulans</i> - small-flowered morning-glory | 1-5% |
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 5-10% |
| <i>Epilobium campestre</i> - smooth boisduvalia | <1% |
| <i>Erigeron canadensis</i> - horseweed | <1% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Avena barbata</i> - slender wild oat | <1% |
| <i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet | <1% |
| <i>Brassica nigra</i> - black mustard | <1% |
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 13

Bare Ground Cover in

50-75%

Cover of Rocks/Cobble in

25-50%

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: 2021

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

VP ID: 464

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena fatua</i> - wild oat |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Convolvulus simulans</i> - small-flowered morning-glory |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Grindelia camporum</i> - gumplant |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Stipa lepida</i> - foothill needle grass |

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 12:37 PM

Survey End Time: 01:24 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Baccharis sarothroides</i> - broom baccharis | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Epilobium campestre</i> - smooth boisduvalia | 5-10% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Erodium moschatum</i> - greenstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in

25-50%

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: 2021

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

VP ID: 471

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Erodium moschatum</i> - greenstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hooveria parviflora</i> |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 01:09 PM

Survey End Time: 01:20 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 10-25%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Artemisia californica</i> - California sagebrush | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Pseudognaphalium stramineum</i> - cotton-batting plant | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 10-25% |

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

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Logfia gallica</i> - daggerleaf cottonrose | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

25-50%

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: 2021

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

VP ID: 473

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bergerocactus emoryi</i> - golden-spined cereus |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Logfia arizonica</i> - Arizona cottonrose |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |
| <i>Zeltnera venusta</i> - California centaury |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 02:09 PM

Survey End Time: 02:19 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Epilobium campestre</i> - smooth boisduvalia | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 50_75 |

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

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

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

VP ID: 483

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Allium</i> sp. |
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bergerocactus emoryi</i> - golden-spined cereus |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Grindelia camporum</i> - gumplant |
| <i>Hainardia cylindrica</i> - barb grass |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Lycium californicum</i> - California box-thorn |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Plantago erecta</i> - dot-seed plantain |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Pseudognaphalium stramineum</i> - cotton-batting plant |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 483

| |
|---|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rosa minutifolia</i> - small-leaved rose |
| <i>Silene gallica</i> - windmill pink |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Spergularia</i> sp. |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Zeltnera venusta</i> - California centaury |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 01:00 PM

Survey End Time: 01:31 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra conjugens</i> - Otay tarplant | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Plagiobothrys</i> sp. | <1% |
| <i>Pseudognaphalium stramineum</i> - cotton-batting plant | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |
| <i>Rhus integrifolia</i> - lemonade berry | <1% |
| <i>Simmondsia chinensis</i> - jojoba | <1% |

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

Other Native Species Richness in Basin: 11

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in

50-75%

Cover of Rocks/Cobble in

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: 2021

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

VP ID: 484

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bergerocactus emoryi</i> - golden-spined cereus |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra conjugens</i> - Otay tarplant |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Encelia californica</i> - California encelia |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Laennecia coulteri</i> - Coulter's horseweed |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 484

| |
|---|
| <i>Zeltnera venusta</i> - California centaury |
|---|

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 02:06 PM

Survey End Time: 02:15 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Deinandra conjugens</i> - Otay tarplant | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 5-10% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 10-25% |

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Gastridium phleoides</i> - nit grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

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

VP ID: 490

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra conjugens</i> - Otay tarplant |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Erodium moschatum</i> - greenstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Gastridium phleoides</i> - nit grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Mammillaria dioica</i> - fish-hook cactus |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Pseudognaphalium biolettii</i> - bicolor cudweed |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rosa minutifolia</i> - small-leaved rose |
| <i>Silene gallica</i> - windmill pink |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 490

| |
|---|
| <i>Zeltnera venusta</i> - California centaury |
|---|

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 01:45 PM

Survey End Time: 02:16 PM

Surveyors: Ryan Meszaros

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: <1%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Amblyopappus pusillus</i> - pineapple-weed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Gastridium phleoides</i> - nit grass | <1% |
| <i>Oncosiphon pilulifer</i> - stinknet | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in

50-75%

Cover of Rocks/Cobble in

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: 2021

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

VP ID: 502

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena fatua</i> - wild oat |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Gastridium phleoides</i> - nit grass |
| <i>Grindelia camporum</i> - gumplant |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |
| <i>Zeltnera venusta</i> - California centaury |

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 02:29 PM

Survey End Time: 02:44 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: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 25-50% |
| <i>Simmondsia chinensis</i> - jojoba | <1% |

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

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Oncosiphon pilulifer</i> - stinknet | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

25-50%

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: 2021

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

VP ID: 509

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Apiastrum angustifolium</i> - mock-parsley |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex pacifica</i> - south coast saltscale |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bergerocactus emoryi</i> - golden-spined cereus |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Daucus pusillus</i> - rattlesnake weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 03:01 PM

Survey End Time: 03:09 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Apiastrum angustifolium</i> - mock-parsley | <1% |
| <i>Deinandra conjugens</i> - Otay tarplant | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 10-25% |

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Logfia gallica</i> - daggerleaf cottonrose | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in

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: 2021

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

VP ID: 591

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Ambrosia pumila</i> - San Diego ambrosia |
| <i>Apiastrum angustifolium</i> - mock-parsley |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bergerocactus emoryi</i> - golden-spined cereus |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Daucus pusillus</i> - rattlesnake weed |
| <i>Deinandra conjugens</i> - Otay tarplant |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Grindelia camporum</i> - gumplant |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Pseudognaphalium luteoalbum</i> - fragrant everlasting cudweed |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rosa minutifolia</i> - small-leaved rose |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 591

| |
|---|
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |
| <i>Zeltnera venusta</i> - California centaury |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 02:30 PM

Survey End Time: 03:08 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 5-10%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Deinandra conjugens</i> - Otay tarplant | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | 1-5% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Osmadenia tenella</i> - osmadenia | <1% |
| <i>Plantago erecta</i> - dot-seed plantain | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 10-25% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Logfia gallica</i> - daggerleaf cottonrose | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 10

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in 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: 2021

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

VP ID: 1310

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra conjugens</i> - Otay tarplant |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Osmadenia tenella</i> - osmadenia |
| <i>Plantago elongata</i> - prairie plantain |
| <i>Plantago erecta</i> - dot-seed plantain |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rosa minutifolia</i> - small-leaved rose |
| <i>Salvia mellifera</i> - black sage |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 03:20 PM

Survey End Time: 03:58 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 10-25%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Baccharis sarothroides</i> - broom baccharis | 1-5% |
| <i>Deinandra conjugens</i> - Otay tarplant | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Epilobium campestre</i> - smooth boisduvalia | 1-5% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Plantago erecta</i> - dot-seed plantain | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erigeron sumatrensis</i> - tropical horseweed | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | 1-5% |
| <i>Phalaris paradoxa</i> - hood canary grass | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 10

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

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

VP ID: 1321

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|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Amsinckia</i> sp. |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Daucus pusillus</i> - rattlesnake weed |
| <i>Deinandra conjugens</i> - Otay tarplant |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Phalaris minor</i> - little-seeded canary grass |
| <i>Phalaris paradoxa</i> - hood canary grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Rosa minutifolia</i> - small-leaved rose |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 03:49 PM

Survey End Time: 04:30 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: <1%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 10-25% |

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

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Avena barbata</i> - slender wild oat | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Phalaris minor</i> - little-seeded canary grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

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

VP ID: 1713

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Amsinckia intermedia</i> - common fiddleneck |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Daucus pusillus</i> - rattlesnake weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lepidium nitidum</i> - shining peppergrass |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Phalaris minor</i> - little-seeded canary grass |
| <i>Plantago erecta</i> - dot-seed plantain |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 1713

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|--|
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/10/2021

Survey Start Time: 03:28 PM

Survey End Time: 03:42 PM

Surveyors: Jason 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:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Baccharis sarothroides</i> - broom baccharis | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Epilobium campestre</i> - smooth boisduvalia | 5-10% |

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

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Festuca perennis</i> - rye grass | 1-5% |
| <i>Glebionis coronaria</i> - crown daisy | <1% |
| <i>Lythrum hyssopifolia</i> - grass poly | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 5-10%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

VP ID: 1724

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Amaranthus albus</i> - tumbleweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis pilularis</i> - coyote brush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet |
| <i>Brachypodium distachyon</i> - purple false brome |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Epilobium campestre</i> - smooth boisduvalia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia</i> sp. |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Heteromeles arbutifolia</i> - toyon |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salvia mellifera</i> - black sage |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Tamarix</i> sp. |

Notes: Very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 03:26 PM

Survey End Time: 03:34 PM

Surveyors: Sara Allen, Sarah McCutcheon

VPHCP Covered Species Present: ERAR, ORCA

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin: <1%

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|--------|
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 25-50% |
| <i>Epilobium campestre</i> - smooth boisduvalia | <1% |
| <i>Lysimachia minima</i> - chaffweed | <1% |

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

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Lythrum hyssopifolia</i> - grass poly | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Cal Terraces (South) (J14)

VP ID: 2022

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Antirrhinum nuttallianum</i> - Nuttall's Snapdragon |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Calochortus splendens</i> - splendid mariposa lily |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cerastium glomeratum</i> - sticky mouse-ear chickweed |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Daucus pusillus</i> - rattlesnake weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Helminthotheca echioides</i> - bristly ox-tongue |
| <i>Hirschfeldia incana</i> - short-pod mustard |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Lythrum hyssopifolia</i> - grass poly |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Matricaria discoidea</i> - pineapple weed |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Phacelia cicutaria</i> - caterpillar phacelia |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Rosa minutifolia</i> - small-leaved rose |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Solanum americanum</i> - white nightshade |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Zeltnera venusta</i> - California centaury |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/12/2021

Survey Start Time: 03:19 PM

Survey End Time: 03:57 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 10-25%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Amblyopappus pusillus</i> - pineapple-weed | <1% |
| <i>Astragalus trichopodus</i> - Santa Barbara milk vetch | <1% |
| <i>Cryptantha</i> sp. | <1% |
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Epilobium campestre</i> - smooth boisduvalia | 1-5% |
| <i>Frankenia salina</i> - alkali heath | <1% |
| <i>Lepidium nitidum</i> - shining peppergrass | <1% |
| <i>Matricaria discoidea</i> - pineapple weed | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |
| <i>Stephanomeria diegensis</i> - San Diego wreath-plant | <1% |

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

Other Native Species Richness in Basin: 13

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Glebionis coronaria</i> - crown daisy | <1% |
| <i>Helminthotheca echinoides</i> - bristly ox-tongue | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Oncosiphon pilulifer</i> - stinknet | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Cal Terraces (South) (J14)

VP ID: 2025

| | |
|------------------------|-----|
| <i>Unknown mustard</i> | <1% |
|------------------------|-----|

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 12

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Cal Terraces (South) (J14)

VP ID: 2025

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Amaranthus albus</i> - tumbleweed |
| <i>Amblyopappus pusillus</i> - pineapple-weed |
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Astragalus trichopodus</i> - Santa Barbara milk vetch |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bergerocactus emoryi</i> - golden-spined cereus |
| <i>Bergia texana</i> - Texas bergia |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cryptantha</i> sp. |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Dudleya edulis</i> - ladies' fingers |
| <i>Dudleya pulverulenta</i> - chalk dudleya |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Epilobium campestre</i> - smooth boisduvalia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Frankenia salina</i> - alkali heath |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Juncus bufonius</i> - toad rush |
| <i>Lepidium nitidum</i> - shining peppergrass |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lycium californicum</i> - California box-thorn |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Cal Terraces (South) (J14)

VP ID: 2025

| |
|---|
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Matricaria discoidea</i> - pineapple weed |
| <i>Mesembryanthemum crystallinum</i> - crystalline iceplant |
| <i>Muhlenbergia rigens</i> - deer grass |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 01:52 PM

Survey End Time: 02:38 PM

Surveyors: Sara Allen, Sarah McCutcheon

VPHCP Covered Species Present: NAFO, ERAR, PONU

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: 10-25%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Plagiobothrys</i> sp. | <1% |
| <i>Plantago elongata</i> - prairie plantain | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Logfia gallica</i> - daggerleaf cottonrose | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Cal Terraces (South) (J14)

VP ID: 2039

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Apiastrum angustifolium</i> - mock-parsley |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Gastridium phleoides</i> - nit grass |
| <i>Hainardia cylindrica</i> - barb grass |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 11:15 AM

Survey End Time: 11:27 AM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Amblyopappus pusillus</i> - pineapple-weed | <1% |
| <i>Crassula aquatica</i> - water pygmyweed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Epilobium campestre</i> - smooth boisduvalia | 1-5% |
| <i>Heliotropium curassavicum</i> var. <i>oculatum</i> - seaside heliotrope | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |
| <i>Zeltnera venusta</i> - California centaury | <1% |

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

Other Native Species Richness in Basin: 8

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: <1%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in 50-75%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Cal Terraces (South) (J14)

VP ID: 2043

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Amblyopappus pusillus</i> - pineapple-weed |
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Astragalus trichopodus</i> - Santa Barbara milk vetch |
| <i>Baccharis pilularis</i> - coyote brush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bergerocactus emoryi</i> - golden-spined cereus |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra conjugens</i> - Otay tarplant |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Dicranostegia orcuttiana</i> - Orcutt's bird's-beak |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Dudleya edulis</i> - ladies' fingers |
| <i>Dudleya pulverulenta</i> - chalk dudleya |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Heliotropium curassavicum</i> var. <i>oculatum</i> - seaside heliotrope |
| <i>Hooveria parviflora</i> |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Mammillaria dioica</i> - fish-hook cactus |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Cal Terraces (South) (J14)

VP ID: 2043

| |
|---|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Stephanomeria diegensis</i> - San Diego wreath-plant |
| <i>Yucca schidigera</i> - Mojave yucca |
| <i>Zeltnera venusta</i> - California centaury |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 01:27 PM

Survey End Time: 04:09 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR, POAB

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin: <1%

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: <1%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Cal Terraces (South) (J14)

VP ID: 2044

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lycium andersonii</i> - Anderson's desert thorn |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/12/2021

Survey Start Time: 02:09 PM

Survey End Time: 02:18 PM

Surveyors: Sara Allen

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: 25-50%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Cylindropuntia californica</i> var. <i>californica</i> - snake cholla | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Epilobium campestre</i> - smooth boisduvalia | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Erigeron sumatrensis</i> - tropical horseweed | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |
| <i>Unknown mustard</i> | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Cal Terraces (South) (J14)

VP ID: 2185

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Amblyopappus pusillus</i> - pineapple-weed |
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Amsinckia intermedia</i> - common fiddleneck |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Cryptantha intermedia</i> var. <i>intermedia</i> - common cryptantha |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Grindelia camporum</i> - gumplant |
| <i>Iva hayesiana</i> - San Diego marsh-elder |
| <i>Lepidium nitidum</i> - shining peppergrass |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Plantago erecta</i> - dot-seed plantain |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Salvia apiana</i> - white sage |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/12/2021

Survey Start Time: 02:26 PM

Survey End Time: 03:02 PM

Surveyors: Sara Allen

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%

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Crassula aquatica</i> - water pygmyweed | <1% |
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Epilobium campestre</i> - smooth boisduvalia | 10-25% |
| <i>Eriogonum fasciculatum</i> - California buckwheat | <1% |
| <i>Frankenia salina</i> - alkali heath | <1% |
| <i>Navarretia hamata</i> - hooked skunkweed | <1% |
| <i>Plantago elongata</i> - prairie plantain | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |

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

Other Native Species Richness in Basin: 10

Nonnative Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |
| <i>Unknown mustard</i> | 25-50% |

Cover of Nonnative Species in Basin: 25-50%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Cal Terraces (South) (J14)

VP ID: 2189

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Amblyopappus pusillus</i> - pineapple-weed |
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Brachypodium distachyon</i> - purple false brome |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Encelia californica</i> - California encelia |
| <i>Epilobium campestre</i> - smooth boisduvalia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Frankenia salina</i> - alkali heath |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Iva hayesiana</i> - San Diego marsh-elder |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/7/2021

Survey Start Time: 02:38 PM

Survey End Time:

Surveyors: Jason Allen

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%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed | <1% |
| <i>Callitriche marginata</i> - winged water-starwort | 1-5% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Juncus bufonius</i> - toad rush | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |

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

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Festuca perennis</i> - rye grass | 5-10% |
| <i>Hordeum marinum</i> ssp. <i>gussoneanum</i> - Mediterranean barley | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Lythrum hyssopifolia</i> - grass poly | 10-25% |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant | <1% |
| <i>Salsola tragus</i> - Russian thistle | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |
| <i>Sonchus oleraceus</i> - common sow thistle | <1% |

Cover of Nonnative Species in Basin: 25-50%

Nonnative Species Richness in Basin: 14

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in 5-10%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Clayton Parcel (J2)

VP ID: 876

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex semibaccata</i> - Australian saltbush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Dudleya pulverulenta</i> - chalk dudleya |
| <i>Encelia californica</i> - California encelia |
| <i>Erigeron canadensis</i> - horseweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca perennis</i> - rye grass |
| <i>Grindelia camporum</i> - gumplant |
| <i>Hordeum marinum</i> ssp. <i>gussoneanum</i> - Mediterranean barley |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Lythrum hyssopifolia</i> - grass poly |
| <i>Medicago polymorpha</i> - California burclover |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Salvia apiana</i> - white sage |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Yucca schidigera</i> - Mojave yucca |

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 6/8/2021

Survey Start Time: 10:27 AM

Survey End Time: 10:32 AM

Surveyors: Jonathan Mercado, Brian Parker, Cheryl Jenkins

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in 50-75%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Goat Mesa (J16-18)

VP ID: 1141

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Simmondsia chinensis</i> - jojoba |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 6/8/2021

Survey Start Time: 10:19 AM

Survey End Time: 10:25 AM

Surveyors: Brian Parker, Jonathan Mercado, Cheryl Jenkins

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in <1%

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: 2021

Complex Name: Goat Mesa (J16-18)

VP ID: 1142

2021 Quantitative Monitoring Data continued

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

| Species Name |
|---|
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Simmondsia chinensis</i> - jojoba |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 6/8/2021

Survey Start Time: 10:56 AM

Survey End Time: 11:07 AM

Surveyors: Jonathan Mercado, Brian Parker, Cheryl Jenkins

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 50_75 |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Logfia gallica</i> - daggerleaf cottonrose | <1% |

Cover of Nonnative Species in Basin: <1%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Goat Mesa (J16-18)

VP ID: 1189

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 6/8/2021

Survey Start Time: 10:43 AM

Survey End Time: 10:54 AM

Surveyors: Jonathan Mercado, Brian Parker, Cheryl Jenkins

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Plagiobothrys</i> sp. | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 50_75 |

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

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Salsola tragus</i> - Russian thistle | <1% |
| <i>Spergularia</i> sp. | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Goat Mesa (J16-18)

VP ID: 1775

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Lasthenia californica</i> - California goldfields |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Plagiobothrys</i> sp. |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Simmondsia chinensis</i> - jojoba |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 6/8/2021

Survey Start Time: 10:34 AM

Survey End Time: 10:42 AM

Surveyors: Jonathan Mercado, Brian Parker, Cheryl Jenkins

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Plagiobothrys</i> sp. | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 10-25% |

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

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lamarckia aurea</i> - golden-top | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in

5-10%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Goat Mesa (J16-18)

VP ID: 1920

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Plagiobothrys</i> sp. |
| <i>Simmondsia chinensis</i> - jojoba |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 6/8/2021

Survey Start Time: 10:01 AM

Survey End Time: 10:17 AM

Surveyors: Jonathan Mercado, Brian Parker, Cheryl Jenkins

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Plagiobothrys</i> sp. | <1% |
| <i>Simmondsia chinensis</i> - jojoba | <1% |

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

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: <1%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Goat Mesa (J16-18)

VP ID: 2642

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/5/2021

Survey Start Time: 01:58 PM

Survey End Time: 02:14 PM

Surveyors: Sara Allen

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Crassula aquatica</i> - water pygmyweed | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | 1-5% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Plagiobothrys</i> sp. | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Cotula coronopifolia</i> - brass-buttons | <1% |
| <i>Dittrichia graveolens</i> - stinkwort | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |
| <i>Spergularia villosa</i> - hairy sand-spurrey | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

10-25%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Nobel Drive (X5)

VP ID: 666

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Baccharis pilularis</i> - coyote brush |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Crassula connata</i> - pygmy-weed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Dittrichia graveolens</i> - stinkwort |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Festuca myuros</i> - rattle sixweeks grass |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Malosma laurina</i> - laurel sumac |
| <i>Navarretia hamata</i> - hooked skunkweed |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Silene gallica</i> - windmill pink |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stephanomeria diegensis</i> - San Diego wreath-plant |
| <i>Stephanomeria exigua</i> - small wreath-plant |

Notes: Very dry year. Grasses are already brown and setting seed.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 6/10/2021

Survey Start Time: 11:25 AM

Survey End Time: 11:36 AM

Surveyors: Jonathan Mercado, Brian Parker

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Avena fatua</i> - wild oat | <1% |
| <i>Bromus hordeaceus</i> - soft chess | 5-10% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca perennis</i> - rye grass | <1% |

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Otay Lakes (K5)

VP ID: 208

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Avena fatua</i> - wild oat |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |

Notes: Lots of rodent activity churning up soil.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 6/10/2021

Survey Start Time: 10:56 AM

Survey End Time: 11:09 AM

Surveyors: Jonathan Mercado, Brian Parker

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | 1-5% |
| <i>Isocoma menziesii</i> - coastal goldenbush | 1-5% |
| <i>Lysimachia minima</i> - chaffweed | <1% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |

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

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Avena fatua</i> - wild oat | <1% |
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in

25-50%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Otay Lakes (K5)

VP ID: 656

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |

Notes: Very dry. Most of ERY ARI is located in micro depressions within pool.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 6/10/2021

Survey Start Time: 09:41 AM

Survey End Time: 10:04 AM

Surveyors: Jonathan Mercado, Brian Parker, Cheryl Jenkins

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 5-10%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Cryptantha</i> sp. | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | 1-5% |
| <i>Plantago erecta</i> - dot-seed plantain | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |
| <i>Selaginella cinerascens</i> - ashy spike-moss | <1% |

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

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Phalaris minor</i> - little-seeded canary grass | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Otay Lakes (K5)

VP ID: 891

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Croton setiger</i> - doveweed |
| <i>Cryptantha</i> sp. |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lepidium nitidum</i> - shining peppergrass |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Selaginella cinerascens</i> - ashy spike-moss |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 6/10/2021

Survey Start Time: 10:06 AM

Survey End Time: 10:34 AM

Surveyors: Jonathan Mercado, Brian Parker

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Deschampsia danthonioides</i> - annual hair grass | 1-5% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Lasthenia californica</i> - California goldfields | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 25-50% |
| <i>Trichostema lanatum</i> - woolly blue curls | <1% |

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

Other Native Species Richness in Basin: 6

Nonnative Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Phalaris minor</i> - little-seeded canary grass | <1% |
| <i>Spergularia bocconi</i> - Boccone's sand-spurrey | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in

5-10%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Otay Lakes (K5)

VP ID: 892

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acemison glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena fatua</i> - wild oat |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Selaginella cinerascens</i> - ashy spike-moss |

Notes: Abundant jackrabbit scat.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 6/10/2021

Survey Start Time: 11:37 AM

Survey End Time: 12:07 PM

Surveyors: Jonathan Mercado, Brian Parker

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Marsilea vestita</i> - hairy waterclover | <1% |
| <i>Phalaris lemmonii</i> - Lemmon's canary grass | <1% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Avena fatua</i> - wild oat | <1% |
| <i>Bromus hordeaceus</i> - soft chess | 5-10% |
| <i>Bromus madritensis</i> - foxtail chess | 5-10% |
| <i>Erodium cicutarium</i> - redstem filaree | 5-10% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Hypochaeris glabra</i> - smooth cat's-ear | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

5-10%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Otay Lakes (K5)

VP ID: 1801

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Adenostoma fasciculatum</i> - chamise |
| <i>Avena fatua</i> - wild oat |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Croton setiger</i> - doveweed |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/13/2021

Survey Start Time: 12:05 PM

Survey End Time: 12:37 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 1-5%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Baccharis sarothroides</i> - broom baccharis | <1% |
| <i>Cryptantha</i> sp. | <1% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | 5-10% |
| <i>Erigeron canadensis</i> - horseweed | <1% |
| <i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail | <1% |
| <i>Plantago elongata</i> - prairie plantain | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 50_75 |

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

Other Native Species Richness in Basin: 7

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Logfia gallica</i> - daggerleaf cottonrose | <1% |
| <i>Lythrum hyssopifolia</i> - grass poly | <1% |
| <i>Sonchus oleraceus</i> - common sow thistle | <1% |
| <i>Spergularia</i> sp. | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 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: 2021

Complex Name: West Olay C (J32)

VP ID: 1545

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex semibaccata</i> - Australian saltbush |
| <i>Baccharis pilularis</i> - coyote brush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Logfia gallica</i> - daggerleaf cottonrose |
| <i>Myosurus minimus</i> ssp. <i>apus</i> - little mouse tail |
| <i>Oncosiphon pilulifer</i> - stinknet |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Plantago elongata</i> - prairie plantain |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Spergularia bocconi</i> - Boccone's sand-spurrey |
| <i>Uropappus lindleyi</i> - silver puffs |

Notes: Stinknet near pool and in surrounding area. Pool looks good and received sufficient precipitation this season.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1577

2003 Baseline Survey Data

Baseline Cover of ERAR: 20.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/7/2021

Survey Start Time: 07:35 AM

Survey End Time: 08:04 AM

Surveyors: Jason Allen

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|--------|
| <i>Brassica nigra</i> - black mustard | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Glebionis coronaria</i> - crown daisy | 1-5% |
| <i>Helminthotheca echinoides</i> - bristly ox-tongue | 25-50% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 25-50%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in 1-5%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1577

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena fatua</i> - wild oat |
| <i>Brassica nigra</i> - black mustard |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Helminthotheca echioides</i> - bristly ox-tongue |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Matricaria discoidea</i> - pineapple weed |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes: Very dry year. No focal species observed in pool.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/7/2021

Survey Start Time: 09:10 AM

Survey End Time: 09:34 AM

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:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Matricaria discoidea</i> - pineapple weed | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |

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

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Brassica nigra</i> - black mustard | <1% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Gastridium phleoides</i> - nit grass | 1-5% |
| <i>Glebionis coronaria</i> - crown daisy | <1% |
| <i>Helminthotheca echinoides</i> - bristly ox-tongue | 1-5% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | 5-10% |
| <i>Sonchus oleraceus</i> - common sow thistle | <1% |

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 16

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in <1%

Cover of Litter in Basin: 50-75%

Days Since Last Rain: 6-15

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1580

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia misera</i> - cliff spurge |
| <i>Euphorbia peplus</i> - petty spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Helminthotheca echioides</i> - bristly ox-tongue |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |

Notes: Very dry year. Button celery abundant in drainage leading into pool.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1595

2003 Baseline Survey Data

Baseline Cover of ERAR: 50.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 12:36 PM

Survey End Time: 01:08 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1595

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia serpens</i> - matted sandmat |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes: Dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1596

2003 Baseline Survey Data

Baseline Cover of ERAR: 75.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 12:00 PM

Survey End Time: 12:34 PM

Surveyors: Jason 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:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |

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

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |

Cover of Nonnative Species in Basin: <1%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1596

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 11:23 AM

Survey End Time: 11:51 AM

Surveyors: Jason 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:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Helminthotheca echioides</i> - bristly ox-tongue | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Phalaris paradoxa</i> - hood canary grass | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in

25-50%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1598

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Helminthotheca echioides</i> - bristly ox-tongue |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Very dry.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1599

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 10:55 AM

Survey End Time: 11:20 AM

Surveyors: Jason 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:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |

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

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in

25-50%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1599

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Helminthotheca echioides</i> - bristly ox-tongue |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Zeltnera venusta</i> - California centaury |

Notes: Dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1600

2003 Baseline Survey Data

Baseline Cover of ERAR: 55.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 10:16 AM

Survey End Time: 10:52 AM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Festuca perennis</i> - rye grass | <1% |

Cover of Nonnative Species in Basin: <1%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1600

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Pseudognaphalium biolettii</i> - bicolor cudweed |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1601

2003 Baseline Survey Data

Baseline Cover of ERAR: 70.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 09:44 AM

Survey End Time: 10:12 AM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |
| <i>Selaginella cinerascens</i> - ashy spike-moss | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1601

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia serpens</i> - matted sandmat |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1602

2003 Baseline Survey Data

Baseline Cover of ERAR: 90.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.5

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 09:30 AM

Survey End Time: 09:40 AM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1602

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia serpens</i> - matted sandmat |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Pseudognaphalium biolettii</i> - bicolor cudweed |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1603

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/20/2021

Survey Start Time: 08:30 AM

Survey End Time: 08:59 AM

Surveyors: Jason 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:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | 1-5% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |
| <i>Sonchus oleraceus</i> - common sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1603

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Helminthotheca echioides</i> - bristly ox-tongue |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Invasive grasses surrounding pool.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1604

2003 Baseline Survey Data

Baseline Cover of ERAR: 20.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/19/2021

Survey Start Time: 11:53 PM

Survey End Time: 12:38 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Baccharis sarothroides</i> - broom baccharis | <1% |
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |
| <i>Stipa lepida</i> - foothill needle grass | <1% |

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

Other Native Species Richness in Basin: 5

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1604

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex pacifica</i> - south coast saltscale |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Button celery doing good.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1606

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/19/2021

Survey Start Time: 11:36 AM

Survey End Time: 11:46 AM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1606

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Pseudognaphalium biolettii</i> - bicolor cudweed |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |
| <i>Zeltnera venusta</i> - California centaury |

Notes: Pool looks good for a dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1607

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2021 Quantitative Monitoring Data

Survey Date: 5/19/2021

Survey Start Time: 10:32 AM

Survey End Time: 11:10 AM

Surveyors: Jason Allen

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1607

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |

Notes: Pool looks good overall for a very dry year.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1608

2003 Baseline Survey Data

Baseline Cover of ERAR: 20.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 03:38 PM

Survey End Time: 04:03 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1608

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1609

2003 Baseline Survey Data

Baseline Cover of ERAR: 40.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 03:39 PM

Survey End Time: 04:04 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |

Cover of Nonnative Species in Basin: <1%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1609

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Acacia</i> sp. |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1666

2003 Baseline Survey Data

Baseline Cover of ERAR: 60.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 03:30 PM

Survey End Time: 03:47 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |

Cover of Nonnative Species in Basin: <1%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in

25-50%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1666

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Baccharis salicifolia</i> - mule fat |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium brachycarpum</i> - short-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Erodium moschatum</i> - greenstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1667

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 09:33 AM

Survey End Time: 09:42 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1667

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena fatua</i> - wild oat |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium brachycarpum</i> - short-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia minima</i> - chaffweed |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 01:37 PM

Survey End Time: 01:44 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: PONU, ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Deschampsia danthonioides</i> - annual hair grass | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 5-10% |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | 1-5% |
| <i>Lythrum hyssopifolia</i> - grass poly | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 8

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1668

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex pacifica</i> - south coast saltscale |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia serpens</i> - matted sandmat |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Hainardia cylindrica</i> - barb grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Salvia mellifera</i> - black sage |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1669

2003 Baseline Survey Data

Baseline Cover of ERAR: 45.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 01:10 PM

Survey End Time: 01:40 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1669

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deschampsia danthonioides</i> - annual hair grass |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia</i> sp. |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Pogogyne abramsii</i> - San Diego mesa mint |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Salvia mellifera</i> - black sage |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1670

2003 Baseline Survey Data

Baseline Cover of ERAR: 5.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 01:10 PM

Survey End Time: 01:42 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1670

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Gastridium phleoides</i> - nit grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Pseudognaphalium biolettii</i> - bicolor cudweed |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Salvia mellifera</i> - black sage |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1671

2003 Baseline Survey Data

Baseline Cover of ERAR: 85.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 03:14 PM

Survey End Time: 03:30 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Isocoma menziesii</i> - coastal goldenbush | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1671

2021 Quantitative Monitoring Data continued

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

| Species Name |
|--|
| <i>Acacia</i> sp. |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1672

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 11:58 AM

Survey End Time: 12:13 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattle sixweeks grass | 1-5% |
| <i>Festuca perennis</i> - rye grass | 5-10% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in

10-25%

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1672

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Stipa diegoensis</i> - San Diego needle grass |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1673

2003 Baseline Survey Data

Baseline Cover of ERAR: 80.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 11:55 AM

Survey End Time: 12:10 PM

Surveyors: 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:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

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

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

5-10%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1673

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex pacifica</i> - south coast saltscall |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium brachycarpum</i> - short-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1675

2003 Baseline Survey Data

Baseline Cover of ERAR: 80.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 09:13 AM

Survey End Time: 09:43 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus diandrus</i> - ripgut grass | <1% |
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Schismus barbatus</i> - Mediterranean schismus | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1675

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1676

2003 Baseline Survey Data

Baseline Cover of ERAR: 10.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 03:10 PM

Survey End Time: 03:30 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 5-10% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Schismus barbatus</i> - Mediterranean schismus | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1676

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia serpens</i> - matted sandmat |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Isocoma menziesii</i> - coastal goldenbush |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Phalaris minor</i> - little-seeded canary grass |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1677

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 10:15 AM

Survey End Time: 10:20 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | 1-5% |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass | <1% |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 5-10%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1677

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia serpens</i> - matted sandmat |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Yucca schidigera</i> - Mojave yucca |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1678

2003 Baseline Survey Data

Baseline Cover of ERAR: 80.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 09:58 AM

Survey End Time: 10:28 AM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Euphorbia serpens</i> - matted sandmat | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1678

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia serpens</i> - matted sandmat |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mesembryanthemum crystallinum</i> - crystalline iceplant |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1679

2003 Baseline Survey Data

Baseline Cover of ERAR: 5.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 09:46 AM

Survey End Time: 10:33 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|--------|
| <i>Eleocharis macrostachya</i> - pale spike-rush | 25-50% |
| <i>Juncus bufonius</i> - toad rush | <1% |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Lythrum hyssopifolia</i> - grass poly | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1679

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Beta vulgaris</i> ssp. <i>maritima</i> - sea beet |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Euphorbia</i> sp. |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Pseudognaphalium stramineum</i> - cotton-batting plant |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sisyrinchium bellum</i> - western blue-eyed-grass |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 10:36 AM

Survey End Time: 10:59 AM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1684

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex pacifica</i> - south coast saltscale |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mirabilis laevis</i> var. <i>crassifolia</i> - wishbone bush |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1685

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 10:34 AM

Survey End Time: 11:02 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Bahiopsis laciniata</i> - San Diego viguiera | 1-5% |
| <i>Encelia californica</i> - California encelia | 1-5% |

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

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|--------|
| <i>Bromus hordeaceus</i> - soft chess | 25-50% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 5-10% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |

Cover of Nonnative Species in Basin: 25-50%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 1-5%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1685

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Acmispon glaber</i> var. <i>glaber</i> - deerweed |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Helminthotheca echioides</i> - bristly ox-tongue |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus oleraceus</i> - common sow thistle |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1688

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 10.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 11:05 AM

Survey End Time: 11:24 AM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Eleocharis macrostachya</i> - pale spike-rush | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Festuca perennis</i> - rye grass | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1688

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Simmondsia chinensis</i> - jojoba |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1689

2003 Baseline Survey Data

Baseline Cover of ERAR: 85.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 10:40 AM

Survey End Time: 10:56 AM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

| Species Name | Cover |
|---------------------------------------|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Festuca perennis</i> - rye grass | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 2

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

5-10%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1689

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1691

2003 Baseline Survey Data

Baseline Cover of ERAR: 50.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 11:07 AM

Survey End Time: 11:29 AM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Festuca perennis</i> - rye grass | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1691

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex pacifica</i> - south coast saltscale |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Encelia californica</i> - California encelia |
| <i>Erodium brachycarpum</i> - short-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1692

2003 Baseline Survey Data

Baseline Cover of ERAR: 95.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 11:57 AM

Survey End Time: 12:09 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Eleocharis macrostachya</i> - pale spike-rush | 10-25% |
| <i>Juncus bufonius</i> - toad rush | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |

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

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Lythrum hyssopifolia</i> - grass poly | 1-5% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 1-5%

Cover of Litter in Basin: 10-25%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1692

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex pacifica</i> - south coast saltscale |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Croton setiger</i> - doveweed |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia serpens</i> - matted sandmat |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Heteromeles arbutifolia</i> - toyon |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1693

2003 Baseline Survey Data

Baseline Cover of ERAR: 10.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 02:59 PM

Survey End Time: 03:14 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 25-50%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Lamarckia aurea</i> - golden-top | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1693

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia</i> sp. |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Heteromeles arbutifolia</i> - toyon |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1694

2003 Baseline Survey Data

Baseline Cover of ERAR: 2.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 02:32 PM

Survey End Time: 02:38 PM

Surveyors: Jason Allen

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

| Species Name | Cover |
|--|--------|
| <i>Bromus madritensis</i> - foxtail chess | 10-25% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1694

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex pacifica</i> - south coast saltscall |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Heteromeles arbutifolia</i> - toyon |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes: Very small pool. No natives.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1696

2003 Baseline Survey Data

Baseline Cover of ERAR: 15.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 10.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 01:56 PM

Survey End Time: 02:16 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | 1-5% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 7

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1696

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia</i> sp. |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salvia mellifera</i> - black sage |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus oleraceus</i> - common sow thistle |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1697

2003 Baseline Survey Data

Baseline Cover of ERAR: 1.0

Baseline Cover of NAFO: 0.5

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 2.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 01:55 PM

Survey End Time: 02:18 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1697

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia serpens</i> - matted sandmat |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Festuca perennis</i> - rye grass |
| <i>Heteromeles arbutifolia</i> - toyon |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salvia mellifera</i> - black sage |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1698

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 03:12 PM

Survey End Time: 03:23 PM

Surveyors: Jason 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:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | 1-5% |

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

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lamarckia aurea</i> - golden-top | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Phalaris minor</i> - little-seeded canary grass | <1% |
| <i>Phalaris paradoxa</i> - hood canary grass | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 9

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1698

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Heteromeles arbutifolia</i> - toyon |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |
| <i>Stipa pulchra</i> - purple needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1699

2003 Baseline Survey Data

Baseline Cover of ERAR: 5.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 2.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 01:55 PM

Survey End Time: 02:19 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

| Species Name | Cover |
|--|--------|
| <i>Bromus hordeaceus</i> - soft chess | 10-25% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 10-25% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |

Cover of Nonnative Species in Basin: 25-50%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 10-25%

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1699

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Heteromeles arbutifolia</i> - toyon |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salvia mellifera</i> - black sage |
| <i>Simmondsia chinensis</i> - jojoba |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1700

2003 Baseline Survey Data

Baseline Cover of ERAR: 75.0

Baseline Cover of NAFO: 2.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 5.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 02:27 PM

Survey End Time: 02:43 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR, PONU

Cover of ERAR in Basin: 10-25%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | 1-5% |

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

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|---|--------|
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Mesembryanthemum crystallinum</i> - crystalline iceplant | 10-25% |
| <i>Salsola tragus</i> - Russian thistle | <1% |

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1700

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Heterotheca grandiflora</i> - telegraph weed |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Stipa lepida</i> - foothill needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1701

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 02:48 PM

Survey End Time: 03:02 PM

Surveyors: Sara Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | 1-5% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lamarckia aurea</i> - golden-top | <1% |

Cover of Nonnative Species in Basin: 1-5%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1701

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hainardia cylindrica</i> - barb grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lamarckia aurea</i> - golden-top |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Phalaris paradoxa</i> - hood canary grass |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salvia mellifera</i> - black sage |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Stipa pulchra</i> - purple needle grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1702

2003 Baseline Survey Data

Baseline Cover of ERAR: 10.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 1.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 02:33 PM

Survey End Time: 03:01 PM

Surveyors: Brenda Bennett

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: 50-75%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

| Species Name | Cover |
|--|--------|
| <i>Bromus hordeaceus</i> - soft chess | 10-25% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 4

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1702

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Phalaris paradoxa</i> - hood canary grass |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salvia mellifera</i> - black sage |
| <i>Simmondsia chinensis</i> - jojoba |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1703

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.5

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 02:35 PM

Survey End Time: 02:48 PM

Surveyors: Ryan Meszaros

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 2

Nonnative Species in Pool:

| Species Name | Cover |
|--|--------|
| <i>Bromus hordeaceus</i> - soft chess | 10-25% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium</i> sp. | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 5-10% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 25-50%

Cover of Rocks/Cobble in

10-25%

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1703

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Erodium</i> sp. |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Hordeum murinum</i> - wall barley |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Peritoma arborea</i> - bladderpod |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Stipa miliacea</i> var. <i>miliacea</i> - smilo grass |

Notes:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1705

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.5

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 01:47 PM

Survey End Time: 01:58 PM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Euphorbia serpens</i> - matted sandmat | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 1-5% |
| <i>Festuca perennis</i> - rye grass | <1% |
| <i>Glebionis coronaria</i> - crown daisy | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | 1-5% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | 5-10% |
| <i>Phalaris minor</i> - little-seeded canary grass | <1% |
| <i>Polypogon monspeliensis</i> - rabbitfoot grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 11

Bare Ground Cover in 10-25%

Cover of Rocks/Cobble in

10-25%

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1705

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Euphorbia serpens</i> - matted sandmat |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Heteromeles arbutifolia</i> - toyon |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salvia mellifera</i> - black sage |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Simmondsia chinensis</i> - jojoba |

Notes: Thick Eleocharis thatch.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1706

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.0

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 10.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 09:09 AM

Survey End Time: 10:06 AM

Surveyors: Jason Allen

VPHCP Covered Species Present: PONU

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin: 1-5%

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Baccharis sarothroides</i> - broom baccharis | 5-10% |
| <i>Deinandra fasciculata</i> - fascicled tarweed | <1% |
| <i>Erigeron canadensis</i> - horseweed | <1% |
| <i>Matricaria discoidea</i> - pineapple weed | <1% |

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

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Brassica nigra</i> - black mustard | <1% |
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Centaurea melitensis</i> - tocalote | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Glebionis coronaria</i> - crown daisy | 5-10% |
| <i>Hainardia cylindrica</i> - barb grass | <1% |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant | <1% |
| <i>Salsola tragus</i> - Russian thistle | <1% |
| <i>Schismus barbatus</i> - Mediterranean schismus | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 12

Bare Ground Cover in

50-75%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1706

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Ambrosia chenopodiifolia</i> - San Diego bur-sage |
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Encelia californica</i> - California encelia |
| <i>Erigeron canadensis</i> - horseweed |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Euphorbia maculata</i> - spotted spurge |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Helminthotheca echioides</i> - bristly ox-tongue |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Matricaria discoidea</i> - pineapple weed |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Pogogyne nudiuscula</i> - Otay mesa mint |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |

Notes: Weedy yet barren pool needs restoration.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1708

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 3.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 10:40 AM

Survey End Time: 10:56 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%

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Erigeron canadensis</i> - horseweed | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Bromus hordeaceus</i> - soft chess | <1% |
| <i>Bromus madritensis</i> - foxtail chess | 1-5% |
| <i>Carrichtera annua</i> - Ward's weed | <1% |
| <i>Erodium cicutarium</i> - redstem filaree | 1-5% |
| <i>Festuca myuros</i> - rattle sixweeks grass | 1-5% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | 1-5% |
| <i>Phalaris minor</i> - little-seeded canary grass | 1-5% |
| <i>Schismus barbatus</i> - Mediterranean schismus | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 5-10%

Nonnative Species Richness in Basin: 10

Bare Ground Cover in

10-25%

Cover of Rocks/Cobble in

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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1708

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Baccharis pilularis</i> - coyote brush |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Carrichtera annua</i> - Ward's weed |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Euphorbia maculata</i> - spotted spurge |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Salvia mellifera</i> - black sage |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |
| <i>Sonchus oleraceus</i> - common sow thistle |
| <i>Stipa lepida</i> - foothill needle grass |

Notes: Carrichtera annua in and around pool. Not much native diversity in pool.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1709

2003 Baseline Survey Data

Baseline Cover of ERAR: 0.5

Baseline Cover of NAFO: 0.0

Baseline Cover of ORCA: 0.0

Baseline Cover of POAB: 0.0

Baseline Cover of PONU: 0.0

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 11:00 AM

Survey End Time: 11:36 AM

Surveyors: Jason Allen

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

Cover of Other Native Species in Basin: 0%

Other Native Species Richness in Basin: 0

Nonnative Species in Pool:

| Species Name | Cover |
|--|--------|
| <i>Avena barbata</i> - slender wild oat | <1% |
| <i>Bromus hordeaceus</i> - soft chess | 25-50% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Erodium botrys</i> - long-beak filaree/storksbill | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | 5-10% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |

Cover of Nonnative Species in Basin: 25-50%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in 5-10%

Cover of Litter in Basin: 5-10%

Days Since Last Rain: >16

Ponded Water Present: no

Dead Species Present in Pool:

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1709

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex semibaccata</i> - Australian saltbush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Avena fatua</i> - wild oat |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Carrichtera annua</i> - Ward's weed |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Glebionis coronaria</i> - crown daisy |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Phalaris minor</i> - little-seeded canary grass |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Salvia mellifera</i> - black sage |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes: No native plants. Thick thatch layer of grasses.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/17/2021

Survey Start Time: 11:41 PM

Survey End Time: 12:15 PM

Surveyors: Jason 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:

Other Native Species in Pool:

| Species Name | Cover |
|--|-------|
| <i>Cylindropuntia prolifera</i> - coast cholla | <1% |

Cover of Other Native Species in Basin: <1%

Other Native Species Richness in Basin: 1

Nonnative Species in Pool:

| Species Name | Cover |
|--|--------|
| <i>Bromus hordeaceus</i> - soft chess | 10-25% |
| <i>Bromus madritensis</i> - foxtail chess | <1% |
| <i>Festuca myuros</i> - rattail sixweeks grass | <1% |
| <i>Lactuca serriola</i> - prickly lettuce | <1% |
| <i>Lysimachia arvensis</i> - scarlet pimpernel | <1% |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant | <1% |

Cover of Nonnative Species in Basin: 10-25%

Nonnative Species Richness in Basin: 6

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in 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: 2021

Complex Name: Robinhood Ridge (J4-5)

VP ID: 1710

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Artemisia californica</i> - California sagebrush |
| <i>Atriplex semibaccata</i> - Australian saltbush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Baccharis sarothroides</i> - broom baccharis |
| <i>Bahiopsis laciniata</i> - San Diego viguiera |
| <i>Bromus hordeaceus</i> - soft chess |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Calystegia macrostegia</i> - island morning glory |
| <i>Carrichtera annua</i> - Ward's weed |
| <i>Centaurea melitensis</i> - tocalote |
| <i>Cylindropuntia prolifera</i> - coast cholla |
| <i>Encelia californica</i> - California encelia |
| <i>Eriogonum fasciculatum</i> - California buckwheat |
| <i>Erodium botrys</i> - long-beak filaree/storksbill |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Ferocactus viridescens</i> - San Diego barrel cactus |
| <i>Festuca myuros</i> - rattail sixweeks grass |
| <i>Lactuca serriola</i> - prickly lettuce |
| <i>Lysimachia arvensis</i> - scarlet pimpernel |
| <i>Mesembryanthemum nodiflorum</i> - slender-leaved iceplant |
| <i>Opuntia littoralis</i> - coast prickly-pear |
| <i>Rhus integrifolia</i> - lemonade berry |
| <i>Salsola tragus</i> - Russian thistle |
| <i>Salvia mellifera</i> - black sage |
| <i>Schismus barbatus</i> - Mediterranean schismus |
| <i>Selaginella cinerascens</i> - ashy spike-moss |
| <i>Simmondsia chinensis</i> - jojoba |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle |

Notes: Lots of grass cover.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/13/2021

Survey Start Time: 10:39 AM

Survey End Time: 11:25 AM

Surveyors: Jason Allen

VPHCP Covered Species Present:

Cover of ERAR in Basin:

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Eleocharis macrostachya</i> - pale spike-rush | 1-5% |
| <i>Malvella leprosa</i> - alkali-mallow | 1-5% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 3

Nonnative Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Avena barbata</i> - slender wild oat | <1% |
| <i>Festuca perennis</i> - rye grass | 50_75 |
| <i>Hordeum marinum</i> ssp. <i>gussoneanum</i> - Mediterranean barley | <1% |
| <i>Phalaris minor</i> - little-seeded canary grass | <1% |
| <i>Sonchus asper</i> ssp. <i>asper</i> - prickly sow thistle | <1% |

Cover of Nonnative Species in Basin: 50-75%

Nonnative Species Richness in Basin: 5

Bare Ground Cover in 5-10%

Cover of Rocks/Cobble in <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: 2021

Complex Name: South Otay 1 acre (J13N)

VP ID: 1235

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|---|
| <i>Atriplex semibaccata</i> - Australian saltbush |
| <i>Avena barbata</i> - slender wild oat |
| <i>Bromus diandrus</i> - ripgut grass |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Deinandra fasciculata</i> - fascicled tarweed |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Erodium cicutarium</i> - redstem filaree |
| <i>Hordeum marinum</i> ssp. <i>gussoneanum</i> - Mediterranean barley |
| <i>Hypochaeris glabra</i> - smooth cat's-ear |
| <i>Lepidium nitidum</i> - shining peppergrass |
| <i>Malvella leprosa</i> - alkali-mallow |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads |

Notes: Dense layer of grass thatch covers pool. Plywood boards cover some of the pool. Very dry year. Edge of pools difficult to determine.

Annual VPHCP Covered Plant Monitoring

Fiscal Year: 2021

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

2021 Quantitative Monitoring Data

Survey Date: 5/13/2021

Survey Start Time: 09:33 AM

Survey End Time: 10:35 AM

Surveyors: Jason Allen

VPHCP Covered Species Present: ERAR

Cover of ERAR in Basin: <1%

Cover of NAFO in Basin:

Cover of ORCA in Basin:

Cover of POAB in Basin:

Cover of PONU in Basin:

Other Native Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Cressa truxillensis</i> - alkali weed | <1% |
| <i>Eleocharis macrostachya</i> - pale spike-rush | 5-10% |
| <i>Malvella leprosa</i> - alkali-mallow | 5-10% |
| <i>Psilocarphus brevissimus</i> var. <i>brevissimus</i> - dwarf woollyheads | 1-5% |

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

Other Native Species Richness in Basin: 4

Nonnative Species in Pool:

| Species Name | Cover |
|---|-------|
| <i>Erodium cicutarium</i> - redstem filaree | <1% |
| <i>Festuca perennis</i> - rye grass | 50_75 |
| <i>Hordeum marinum</i> ssp. <i>gussoneanum</i> - Mediterranean barley | 1-5% |

Cover of Nonnative Species in Basin: 50-75%

Nonnative Species Richness in Basin: 3

Bare Ground Cover in 1-5%

Cover of Rocks/Cobble in <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: 2021

Complex Name: South Otay 1 acre (J13N)

VP ID: 2339

| |
|--|
| 2021 Quantitative Monitoring Data continued |
|--|

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

| Species Name |
|--|
| <i>Avena barbata</i> - slender wild oat |
| <i>Bromus madritensis</i> - foxtail chess |
| <i>Cressa truxillensis</i> - alkali weed |
| <i>Eleocharis macrostachya</i> - pale spike-rush |
| <i>Eryngium aristulatum</i> var. <i>parishii</i> - San Diego button-celery |
| <i>Festuca perennis</i> - rye grass |
| <i>Hordeum marinum</i> ssp. <i>gussoneanum</i> - Mediterranean barley |
| <i>Malvella leprosa</i> - alkali-mallow |

Notes: Dense layer of invasive grass thatch covers entire area. Recent offroad activity. Very dry year.

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Appendix C-1

2021 Vernal Pool Management Photolog

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Photo 1. Trash picked up from inside complex.



Photo 2. Contracted crew removing dumped material within vernal pool complex.



Photo 3. Mountain Bike tracks through vernal pools.



Photo 4. Inundated vernal pool.



Photo 5. Contracted crew performing weed control.



Photo 6. Trash picked up from inside and outside complex.



Photo 7. Trash picked up from inside complex.



Photo 8. Contracted crew performing weed control.



Photo 9. Trash picked up from inside complex.



Photo 10. Contracted crew performing weed control.



Photo 11. Contracted crew performing weed control.



Photo 12. Contracted crew removing trash and performing weed control.



Photo 13. Contracted crew removing trash.



Photo 14. Sign installation and fence repair.



Photo 15. Contracted crew performing weed control.



Photo 16. Contracted crew performing weed control.



Photo 17. Contracted crew performing weed control.



Photo 18. Trash discovered inside complex.



Photo 19. City staff performing weed control.



Photo 20. Contracted crew performing habitat restoration site maintenance.



Photo 21. Contracted crew performing weed control in habitat restoration site.



Photo 22. Contracted crew performing weed control in habitat restoration site.



Photo 23. Dry vernal pool.



Photo 24. Dry vernal pool.



Photo 25. Burrowing owl burrow in complex.



Photo 26. Dry vernal pool.



Photo 27. Flags marking focal plant species in vernal pool.



Photo 28. Weeds growing in vernal pool.



Photo 29. Dry vernal pool with focal species.



Photo 30. Contracted crew performing weed control.



Photo 31. Contracted crew performing weed control.



Photo 32. City staff installed temporary fence posts to restrict access to vernal pools.



Photo 33. City staff installed sign and fence posts to restrict access to vernal pools.



Photo 34. View of San Diego button-celery among weeds.



Photo 35. City Ecological Preserve sign in need of replacement.



Photo 36. Dry vernal pool.



Photo 37. Close-up view of *Eryngium aristulatum* var. *parishii* (San Diego button-celery).



Photo 38. Regulatory sign installation in vernal pool complex.



Photo 39. Contracted crew installing fence around perimeter of vernal pools to restrict access.



Photo 40. Fence installed to restrict access to vernal pools.



Photo 41. Contracted crew performing weed control.



Photo 42. Fence to restrict access from vernal pools.



Photo 43. Dry vernal pool with vegetation.



Photo 44. Dry vernal pool.



Photo 45. Invasive trees surrounding vernal pool complex removed.



Photo 46. Contracted crew performing weed control.



Photo 47. Contracted crew performing weed control.



Photo 48. City staff performing fence removal and installation.



Photo 49. City staff performing fence removal and installation.



Photo 50. Vernal pool with ponded water.



Photo 51. Dry vernal pool with vegetation.



Photo 52. Vernal pool with ponded water.



Photo 53. Habitat restoration around vernal pools.



Photo 54. Habitat restoration around vernal pools.



Photo 55. Vernal pool with ponded water.



Photo 56. Habitat restoration around vernal pools.



Photo 57. Vernal pool with ponded water.



Photo 58. New burrowing owl burrows installed in complex.



Photo 59. Regulatory signage and ponded pools.



Photo 60. Contracted crew performing weed control.



Photo 61. Regulatory sign installed to restrict access to vernal pools. Fence needs repair.



Photo 62. City staff performing fence installation to restrict access to vernal pools.



Photo 63. City staff performing fence installation to restrict access to vernal pools.



Photo 64. Fence installed to restrict access to vernal pools.



Photo 65. Fence and sign installed to restrict access to vernal pools.



Photo 66. Contracted crew performing fence installation to restrict access to vernal pools.



Photo 67. Regulatory sign installed to restrict access to vernal pools.



Photo 68. Fence and regulatory sign installed to restrict access to vernal pools.



Photo 69. Dry vernal pool with vegetation.



Photo 70. Dry vernal pool with vegetation.



Photo 71. Contracted crew performing fence installation to restrict access to vernal pools.



Photo 72. Contracted crew performing fence installation to restrict access to vernal pools.



Photo 73. Contracted crew performing fence installation to restrict access to vernal pools.



Photo 74. Trash discovered inside complex.

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Appendix C-2

2021 Vernal Pool Monitoring Photolog

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Photo 1. Pool 706



Photo 2. Pool 712



Photo 3. Pool 1077



Photo 4. Pool 1092



Photo 5. Pool 1096



Photo 6. Pool 1109



Photo 7. Pool 1740



Photo 8. Pool 1743



Photo 9. Pool 1746



Photo 10. Pool 1255



Photo 11. Pool 1264



Photo 12. Pool 1272



Photo 13. Pool 1842



Photo 14. Pool 1937



Photo 15. Pool 2468



Photo 16. Pool 1177



Photo 17. Pool 100



Photo 18. Pool 1310



Photo 19. Pool 1321



Photo 20. Pool 1713



Photo 21. Pool 1724



Photo 22. Pool 295



Photo 23. Pool 301



Photo 24. Pool 42



Photo 25. Pool 445



Photo 26. Pool 447



Photo 27. Pool 449



Photo 28. Pool 450



Photo 29. Pool 451



Photo 30. Pool 452



Photo 31. Pool 459



Photo 32. Pool 464



Photo 33. Pool 471



Photo 34. Pool 473



Photo 35. Pool 483



Photo 36. Pool 484



Photo 37. Pool 490



Photo 38. Pool 502



Photo 39. Pool 509



Photo 40. Pool 51



Photo 41. Pool 591



Photo 42. Pool 67



Photo 43. Pool 78



Photo 44. Pool 89



Photo 45. Pool 96



Photo 46. Pool 876



Photo 47. Pool 1577



Photo 48. Pool 1580



Photo 49. Pool 1595



Photo 50. Pool 1596



Photo 51. Pool 1598



Photo 52. Pool 1599



Photo 53. Pool 1600



Photo 54. Pool 1601



Photo 55. Pool 1602



Photo 56. Pool 1603



Photo 57. Pool 1604



Photo 58. Pool 1606



Photo 59. Pool 1607



Photo 60. Pool 1608



Photo 61. Pool 1609



Photo 62. Pool 1666



Photo 63. Pool 1667



Photo 64. Pool 1668



Photo 65. Pool 1669



Photo 66. Pool 1670



Photo 67. Pool 1671



Photo 68. Pool 1672



Photo 69. Pool 1673



Photo 70. Pool 1675



Photo 71. Pool 1676



Photo 72. Pool 1677



Photo 73. Pool 1678



Photo 74. Pool 1679



Photo 75. Pool 1684



Photo 76. Pool 1685



Photo 77. Pool 1688



Photo 78. Pool 1689



Photo 79. Pool 1691



Photo 80. Pool 1692



Photo 81. Pool 1693



Photo 82. Pool 1694



Photo 83. Pool 1696



Photo 84. Pool 1697



Photo 85. Pool 1698



Photo 86. Pool 1699



Photo 87. Pool 1700



Photo 88. Pool 1701



Photo 89. Pool 1702



Photo 90. Pool 1703



Photo 91. Pool 1705



Photo 92. Pool 1706



Photo 93. Pool 1708



Photo 94. Pool 1709



Photo 95. Pool 1710



Photo 96. Pool 1235



Photo 97. Pool 2339



Photo 98. Pool 2642



Photo 99. Pool 1141



Photo 100. Pool 1142



Photo 101. Pool 1189



Photo 102. Pool 1775



Photo 103. Pool 1920



Photo 104. Pool 1235



Photo 105. Pool 892



Photo 106. Pool 1801



Photo 107. Pool 208



Photo 108. Pool 656



Photo 109. Pool 891



Photo 110. Pool 666

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Appendix D

Private Property Compliance Tracking

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APPENDIX D: Private Property Compliance Tracking

| Project | Associated Plan | Maintenance Requirements | Monitoring Requirements | Success Criteria | Reporting Requirements ¹ | 2021 Status |
|-----------------|--|---|---|--|---|---|
| Handler | Mitigated Negative Declaration (Section V.9 Vernal Pool Management Plan) | <ul style="list-style-type: none"> • Weed control (see success standards) • Fence and sign repair • Trash and debris removal • Remedial measures (invasive plant control, erosion control, additional fencing and vehicle barriers, seeding) • 2 general maintenance visits per year • Monthly weed control visits from January through May each year | <ul style="list-style-type: none"> • Monitoring visits 4 times per year (fall, January, March, May) • Photographs at established photo points taken at each visit • Species cover and richness taken in pool and upland areas • Detailed status notes on maintenance needs | <ul style="list-style-type: none"> • Bent grass (<i>Agrostis</i> sp.) and Italian ryegrass (<i>Lolium multiflorum</i>) ≤1% cover • Total nonnative weed cover within pools ≤5% • Total nonnative weed cover in upland area ≤5% • Total nonnative grass cover in upland area ≤25% | <ul style="list-style-type: none"> • Following the final monitoring visit each year, the VP monitor shall prepare a letter evaluating the state of the preserved vernal pool habitat to date, along with any recommended remedial measures. • Copies of the letter will be submitted to the MSCP, EAS, MMC, and other City staff, as appropriate. <p><i>MMRP</i></p> | Grading permits issued 2019-2020; No reports 2020; Status report vernal pool restoration/ mitigation submitted January 15, 2022 |
| Mesa Norte | Mesa Norte Vernal Pool Mitigation Plan (1998) | <ul style="list-style-type: none"> • Fence and sign repair will be conducted in perpetuity • Trash and debris removal • Remedial measures (invasive eradication, erosion control, additional fencing and vehicle barriers, fire suppression/damage repair, trampling repair) • 2 weed control visits during spring (general and vernal pool basin) | <ul style="list-style-type: none"> • No monitoring requirements outlined in the VPHCP for this complex. | <ul style="list-style-type: none"> • Maintain existing habitat conditions consistent with the Mesa Norte Vernal Pool Mitigation Plan | <ul style="list-style-type: none"> • City to work with property owner to assess implementation of the Mesa Norte Vernal Pool Mitigation Plan and provide annual reporting. <p><i>MP</i></p> | Closed out; No further action; No VPHCP monitoring requirement |
| Rhodes Crossing | Rhodes Crossing Habitat Management Plan (2010) | <ul style="list-style-type: none"> • 2 weed control visits during (once in January/February and again in April/May) • Fence and sign repair, as-needed and informed by general quarterly surveys | <ul style="list-style-type: none"> • Created and preserved vernal pools within the preserve areas will be visited twice during the rainy season (Feb-April) each year for 10 years to assess their condition. After 10 years they will be visited once per year. • Each pool will be monitored and a species list will be created, including presence of exotics and cover estimates for each species • Quarterly general surveys to document condition and extent of VPs • The baseline vegetation/sensitive resources map will be updated every 5 years and submitted to the agencies | <ul style="list-style-type: none"> • 'Zero Tolerance Species' to be removed within 2 weeks of discovery • 'Moderate Tolerance Species' to be removed when cover increases 15% over baseline | <ul style="list-style-type: none"> • A report summarizing the status of the preserve, the results of the surveys, and all major actions taken since the last assessment will be provided to the USFWS, CDFG, and City each year by January 15. • Report will include information on extent and overall health of habitats present within, changes to health or distribution of sensitive plant and animal species observed (provided on digital map), observed changes resulting from natural or man-made causes, management issues/tasks addressed during the last year, and tasks identified for the next year. • Report will also compare most recent data with previous 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. <p><i>HMP</i></p> | Alden to submit vernal pool restoration/mitigation report end of 2022 |

| | | | | | | |
|----------------|--|--|---|---|--|---|
| Salk Institute | Habitat Management Plan (2008) | <ul style="list-style-type: none"> • 2 weed control visits annually in the spring • Trash removal visits every other month • Ongoing maintenance of barrier along Torrey Pines Scenic Drive | <ul style="list-style-type: none"> • Baseline inventory of quality and quantity of vernal pools (2008) • 2 monitoring visits per year during the rainy season (Feb-April); create species list with cover estimates | <ul style="list-style-type: none"> • Maintain existing habitat conditions consistent with the Salk Institute Master Plan Habitat Management Plan • 'Zero Tolerance Species' to be removed within 2 weeks of discovery • 'Moderate Tolerance Species' to be removed when cover increases 15% over baseline | <ul style="list-style-type: none"> • Reports due every other year by the 15th of January following the end of the preceding calendar year • Copies provided to Salk Institute, USFWS, CDFW, and the City. • The report will document: existing conditions in the preserve, wildlife use of the preserve, significant changes within the preserve, and recommended remedial measures. • Report will include: summary of management actions; summary of results of annual 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. <p><i>HMP</i></p> | 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) | <ul style="list-style-type: none"> • All weeding within and adjacent to pools will be performed by hand; no herbicide use • Weeding to occur twice per year, generally in Spring • Removal of trash, regularly or at intervals • Installation and repair of protective fencing, signage, direct-light shields, drainage ditches and 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) | <ul style="list-style-type: none"> • Annual quantitative monitoring (species richness and vegetative cover) for CSS restoration; stratified random sampling with maps provided | <ul style="list-style-type: none"> • 5 years of success criteria for upland restoration/enhancement areas will include: the appropriate species richness and cover criteria for all five years of monitoring; 0% weed cover for Cal-IPC High or Moderate and <5% relative cover of all other exotic weed species. • Container plant survival >80% of the initial plantings for the first five years. At the end of Years 1 and 2, all dead plants will be replaced unless their function has been replaced by natural recruitment | <ul style="list-style-type: none"> • Annual reports will be submitted to the Service by Sept. 1 of each year of the 5-year monitoring program. • Reports will assess both the attainment of yearly success criteria and progress toward the final success criteria. • The reports will summarize the project's compliance with all Service biological opinion conservation measures and terms and conditions. <p><i>BO</i></p> | Grading complete: project closed out. Versatel fair shrimp issue; RECON working with USFWS. Follow up to be provided 2022 |

¹Reporting requirements are derived from associated plans; plan type acronyms listed for each set of requirements are defined as follows: *BO* = Biological Opinion; *HMP* = Habitat Management Plan; *MP* = Mitigation Plan; *MMRP* = Mitigation Monitoring

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