

HMP Preserve Site Inspection Program

City of Carlsbad HMP Annual Meeting

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Carlsbad's HMP Preserve Overview

~6,195 acres within the HMP Preserve

Has Long-Term Management

- City of Carlsbad: 12%
- CDFW: 25%
- Land managers (e.g., CNLM, SDHC, Urban Corps, etc.): 33%

Has Minimal or No Management

- HOAs & BOAs: 23%
- Public & quasi-public agencies: 7%



Site Inspection Program Purpose

- Evaluate the condition of preserves
- Identify potential threats
- Determine adaptive management urgency
- Recommend potential adaptive management strategies
- Identify potential restoration opportunities
- Identify potential implementation resources



Scoring Table for Priority Criteria

| Priorities | Poi | Comments | | |
|---|--------------------|----------|------------|--|
| Thornes | Ttl Possible | Score | connicitty | |
| Unmanaged/underfunded preserve | 1 | | | |
| High priority plant/animal population | 1/pop ¹ | | | |
| Priority habitat 1 | 2 | | | |
| Priority habitat 2 | 1 | | | |
| Potential or confirmed wildlife movement corridor | 1/per | | | |
| Adjacent to development | 1 | | | |
| Unauthorized access into preserve ² | 1 | | | |
| Trail | 1 | | | |
| Other threats - specify | 1/threat | | | |
| Sites for which access has been granted | 1 | | | |
| TOTAL SCORE | | | | |

¹ One point given for each species or distinct population/occurrence. For very large preserves such as Rancho Carrillo, each distinct area can be scored separately.

² If more than one significant unauthorized access issue, give 1 point per (i.e., encampments, known off-leash dog issues, and mtn bikers)

Field Inspection: Survey123 Field Form



ESA

Field Inspection: ArcGIS Collector Map



ESA



| Preserve Name | Mngmt Type 2 | Total Preserve Acres | Date of Site Visit | Inspector & (Association) | Adaptive Management Potential | AM Potential Notes/Justification | Adaptive Management Urgency | AM Urgency Notes/Justification | Restoration Potential | Restoration Potential Notes/Justification | Grant Opportunity | Grant Opportunity Notes/Justification | Volunteer Opportunity | Volunteer Opportunity Notes/Justification | Additional Site Visit Needed? | Additional Comments |
|-----------------|-----------------|----------------------------|--------------------------|---|--|--|-----------------------------------|--|--|--|--|--|--|---|---------------------------------------|---|
| Villagio | HOA | 22.32 | | | | | | | | | | | | | | |
| Brehm-Aviara | HOA | 3.41 | | | | | | | | | | | | | | |
| Alga Hills | HOA | 5.36 | | | | | | | | | | | | | | |
| Santa Fe Trails | HOA | 28.88 | 10/26/2021 | Brenda McMillan & Rachel Le (ESA) | 3 | several non-hative species (Cal-IPC) are found throughout the preserve: Pampas grass, artichocke thistie and icc plant (taking over open soils in chaparral reducing seedling recruitment of native species) | | In areas adjacent to Del Mar manzanita and Nuttall's scrub oak ice plant should be removed w/spot treating after removal to prevent re-Infestation. Artichocke thistle alters suitable habitat for BRFI and native grasslands | BRFI and ACIL soils were observed; species are historically known from the area and extant populations are known to occur in the vicinity | BRFI and ACIL soils were observed; tocolote, black mustard and non-native grass and thatch removal will increase resource potential for native species. Seeding for ACIL and bulb transplanting for BRFI | з | Restoration for ACIL and BRFi with weed eradication would help increase value of Preserve. Chaparral with Del Mar manzanita and Nuttall's scrub oak habitat enhancement through weed eradication and native understory replacement | 3 | easy access to areas with trash, trail damage, areas that need fencing and signage. Non-native species found along trails for removal and trail maintenance | Yes | Unauthorized bike trails, recommended removal of non-native Artichoke thistle, Pampas grass, and iceplant. Possible volunteer opportunity |
| Thompson Corp | BA | 46.09 | | | | | | | | | | | | | | |
| La Costa Valley | ЮА | 81.73 | 11/9/2021; 11/16/2021 | Brenda McMillan & Rachel Le (ESA) | Parcel A - 3 Parcel B - 2 Parcel C - 3 Parcel D - 2 Parcel E - 2 | A: unauthorized trail repair, breakdown illegal blier amps and removal of Pampas Grass. B: Removal of pampas grass and tamarisk in drainages. C: erosion control, repair and remove unauthorized trails and blier ramps, non-native species control. D: control invasive Enharta longflora and iceplant. 2: control invasive Enharta longflora and iceplant. trail repair and maintenance | | D: Ehrharta longiflora was observed as understory in Nuttall'S crub Oak habitat. Ehrharta grasses are considered highly invasive | Removal of Ehrharta longflora in Nuttall's scrub oak habitat. Replace with native understory species. | Ehrharta longifiora is considered a highly invasive species in mesic areas where it forms large stands. | Parcel A - 2 Parcel B - 1 Parcel C - 3 Parcel C - 1 Parcel E - 2 | The entire Preseve would benefit from invasive species control and public education of trail use | Parcel A - 3 Parcel B - 0 Parcel C - 3 Parcel D - 0 Parcel E - 2 | A, C : good access for volunteers for trash removal and trail maintenance and bike ramp removal, non-native species removal and disposal | Yes due to revegetation mapping | unauthorized trails and bike trails/ramps Parcel 8 - Overall very well-managed, fencing is effective. Only recommendation is removal of Pampas grass. Acacia, and tamarisk Parcel C - Recommended removal of Russian and Artichoke thistal, management of unauthorized trails and bike trails/ramps, erosion control Parcel D - A lot of Nuttail's Scruboak observed. Recommended control of Ehrharta |

Status & Next Steps

- Desktop analysis completed for **105** preserves
- Field inspection completed for **13** preserves
- Updating monitoring protocol, Survey123 form, and Collector map
- Field inspections to continue in 2022





Questions/comments may be submitted to: Rosanne.Humphrey@carlsbadca.govor ALee@esassoc.com

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