San Diego Management and Monitoring Program’s Management Strategic Plan
Interactive Map Viewer

Introduction

The San Diego Management and Monitoring Program (SDMMP) is a science-based group focused on coordinating biological stakeholders to efficiently and effectively maintain habitat for endangered and threatened species in San Diego County. SDMMP works across preserve boundaries to prioritize activities that benefit multiple species and maintain ecosystem function. The group provides a number of support services to land managers including scientific study design, habitat suitability modeling, data storage and organization, and GIS.

In 2012, SDMMP created the Management Strategic Plan (MSP) that identifies specific goals, objectives, and actions that are necessary for the long-term survival of threatened species. This document maps species locations, threats to species, and land characteristics important for species survival and reproduction. The document is intended to help managers prioritize actions by understanding the regional context of their preserve and unify data collection methods and storage.

The MSP, as a paper document, is well over 700 pages and it is difficult for land managers to locate important information. This online map distilled the information from this document into a single interactive site. It identifies and locates priority species with pop-up links to species objectives and actions that are a high priority for 2014-2016. This map provides unique links to MS Access report outputs, tailored for the species and location.

Map Methods

This map was created with ESRI’s Web AppBuilder. This allows for widget and layout customization beyond what is available in the web application templates. Layers are services hosted through U.S.G.S. Sciencebase and ArcGIS Server.

This map was created for a specific group of stakeholders. Projects to be completed by these users fell into 3 categories: preserve-level, regionally coordinated, and single species research. A list of desired tasks and products was created for project type to ensure that the map provided all the necessary functionality.

A list of recommended steps was created for each project type. Instructions with tips for users and screenshots is provided on the SDMMP website. Training sessions were also held in coordination with the SANDAG Transnet Grant submission process. An example of the steps recommended for a preserve-level grant project are provided to the right.

1. Turn on “Preserve Boundaries” layer and use the Query to search for Preserve Name

2. Turn on all species layers

3. Identify priority species on the preserve

4. Use the pop-up links to view species profiles and rationale for management strategy. Next, view the “Status of Management Objectives”

5. Use draw widget to create a polygon showing the proposed project boundary

6. Use the print widget to create a pdf for the proposed project species and study area to include with grant or project reports

Each objective includes detailed actions necessary to achieve the goal.

The status of each objective is tracked in MS Access. Reports are updated when new projects begin.

The map is hosted on the ArcGIS online USGS organizational account and can be accessed at:
SDMMP.com/ MSPPriorityObjectives.aspx

Map by Emily Perkins, SDMMP