MSCP Annual Report Workshop

2005 Overview

1. Preservation Highlights
2. Management & Monitoring Highlights
3. Status and Planning
4. Question and Answer
Preservation in 2005

- HabiTrak is used to track preservation

- 397.4 acres preserved in 2005
  - 303.4 acres were inside the planned preserve area
  - 94 acres were outside the planned preserve area

- Funding sources
  - Federal Transportation Enhancement Act
  - State Habitat Conservation Fund
  - State Environmental Enhancement and Mitigation
  - California State Coastal Conservancy
  - Wildlife Conservation Board
  - The Nature Conservancy

Cumulative Preservation
Goal: 172,000 acres preserved

- 118,157 acres
- 53,843 acres

Preserved    Remaining
2005 Acquisitions

Management and Monitoring Highlights

Clark Winchell, U.S. Fish and Wildlife Service, Carlsbad
Habitat Management Technical Committee (HMTC)

- Co-chaired by SD County Parks & USFWS Refuges
- Purpose: Land Managers implement and coordinate on-the-ground management efforts
- Committee efforts are focusing on three major topics:
  1. Creating a library of completed Management Plans
  2. Revise the draft "Inventory of Ongoing MSCP Management Activities"
  3. Investigate how much it costs to manage a set acreage of land

Habitat Management Plans

- Phase 1 of Mission Trails Regional Park NRMP, funded by CDFG Grant (City of SD, funded by CDFG)
- Draft Western Otay Valley Regional Park NRMP (City of SD, City of CV, County of SD)
- Revised DRAFT San Diego River NRMP (City of SD)
- Final Tecolote Canyon NRMP (City of SD)
- Draft Habitat Restoration Plan and Non-native Plant Removal Guidelines at Otay Valley Regional Park (County of SD)
- Preparation of Land Management Plans (CDFG)
  - Hollenbeck Canyon Wildlife Area
  - Rancho Jamul Ecological Reserve
  - Boden Canyon Ecological Reserve
Area Specific Management Directives (ASMD) & Fire Management Plan (FMP)

- ASMD for MSCP Preserve Lands (City of CV)
- Rolling Hills Ranch ASMD (City of CV)
- Bella Lago ASMD (City of CV)
- San Vicente Highlands ASMD/FMP (County of SD)
- Barnett Ranch ASMD/FMP (County of SD)
- Final Marron Valley FMP (City of SD, funded by CDFG)
- City of Poway FMP (City of Poway)

Habitat Management

- Quino Checkerspot butterfly habitat enhancement study in Marron Valley (funded by CDFG)
- Construction of artificial burrows for Burrowing Owl (funded by CDFG)
- Otay Ranch Preserve Owner Manager (City of CV, SD County)
- Implementation of *DRAFT Trails Master Plan* at Carmel Mountain (City of SD)
Habitat Management

- Coordination of City of SD staff and volunteer efforts at:
  - Tecolote Canyon
  - Rose Canyon
  - Crest Canyon
- Arundo and tamarisk removal within Rice Canyon (City of CV)
- Invasive weed control at Goodan Ranch/Sycamore Canyon Open Space Preserve (Friends of Los Peñasquitos Canyon Preserve and California Native Plant Society, County of San Diego)
- Invasive weed eradication throughout CDFG reserve areas (CDFG)

Post-Fire Management and Monitoring

- Post 2003 Fire Monitoring of Otay Mountain (BLM)
- Established photo points for habitat and post-fire recovery monitoring (County of SD)
- Post-fire erosion control at Black Mountain Open Space Park (City of SD)
- Post-burn monitoring of biodiversity (USGS)
- Post-fire monitoring plan for Blossom Valley Habitat Conservation Area (Center for Natural Lands Management)
Monitoring Working Group

- Chaired by U.S. Fish and Wildlife Service
- Purpose: Coordinate field monitoring efforts and plan future monitoring programs
- Monitoring Working Group has:
  - Directed and wrote grants to review and restructure MSCP monitoring program
  - Coordinated management objectives for burrowing owls in Otay Mesa
  - Finalized a project between USGS and SD County to enhance western pond turtle
  - Developed and tested standard field monitoring data forms

Review and Restructure of MSCP Monitoring

- San Diego MSCP Rare Plant Monitoring Program Review (Independent scientists, funded by CDFG)
- Investigation and design of methods to monitor changes in plant communities (SDSU)
- Animal monitoring protocols (City of SD, SDSU, funded by CDFG)
- Raptor monitoring report (WRI)
Habitat Monitoring

- Rapid Assessment Protocol surveys for vegetation and rare plants on Boulder Oaks Preserve (County of SD, California Native Plant Society)
- General habitat monitoring on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of SD)
- Wildlife movement studies:
  - Wildcat Canyon Road (County of SD)
  - Participation in San Diego Tracking Team (County of SD, City of SD)
- Roadkill Monitoring Report (City of SD)
- Vegetation map of the San Dieguito Watershed (CDFG)

Species Monitoring & Mgmt.

- Arroyo toad (*Bufo microscaphus californicus*)
  - surveys on San Diego National Wildlife Refuge (USFWS)
- California least tern (*Sternula antillarum browni*)
  - breeding colony management in Mission Bay and Batiquitos Lagoon (CDFG)
- Del Mar Sand Aster (*Corethrogyne filaginifolia var. linifolia*)
  - quantitative monitoring within City of SD preserves (City of SD)
- Encinitas Baccharis (*Baccharis vanessae*)
  - census of population on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of San Diego)
- Least Bell’s vireo (*Vireo bellii pusillus*)
  - surveys along Sweetwater River (USFWS and Sweetwater Authority)
- Light-footed clapper rail (*Rallus longirostris levipes*)
  - surveys (CDFG and USFWS)
- Mountain lion (*Puma concolor*)
  - radio telemetry monitoring at Rancho Jamul Ecological Reserve (UC Davis, funding by CDFG)
Species Monitoring & Mgmt.

- Nutall’s lotus (Lotus nuttallianus)
  - Management and monitoring on City of San Diego MSCP lands (California Native Plant Society)
  - quantitative monitoring within City of SD preserves (City of SD)
- Orcutt’s Bird’s Beak (Cordylanthus orcuttianus)
  - quantitative monitoring within City of SD preserves (City of SD)
- Orcutt’s brodiaea (Brodiaea orcuttii)
  - quantitative monitoring within City of SD preserves (City of SD)
- Otay tarplant (Deinandra conjugens)
  - mapped on Trimark and Jamacha Blvd parcels and monitored at San Miguel Ranch (USFWS)
  - quantitative monitoring within City of SD preserves (City of SD)
- San Diego ambrosia (Ambrosia pumila)
  - mapped on San Diego National Wildlife Refuge (USFWS)
- San Diego barrel cactus (Ferocactus viridescens)
  - monitoring on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of San Diego)
- San Diego goldenstar (Muilla clevelandii)
  - monitoring on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of San Diego)
  - quantitative monitoring within City of SD preserves (City of SD)
- San Diego thorn-mint (Acanthomintha ilicifolia)
  - surveys and photos plots established (USFWS and TNC)
  - annual monitoring and management at Los Peñasquitos Canyon Preserve (Friends of Los Peñasquitos Canyon Preserve)
  - annual monitoring at Goodan Ranch/Sycamore Canyon Open Space Preserve (Friends of Goodan Ranch/Sycamore Canyon Open Space)
  - quantitative monitoring within City of SD preserves (City of SD)
- Short-leaved dudleya (Dudleya blochmaniae brevifolia)
  - Quantitative monitoring within City of SD preserves (City of SD)
- Southern tarplant (Centromadia parryi ssp. australis)
  - surveys in San Pasqual (Friends of Los Peñasquitos Canyon Preserve and California Native Plant Society)
Species Monitoring & Mgmt.

- **Thread-leaved brodiaea** (*Brodiaea filifolia*)
  - monitoring on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of San Diego)
- **Variegated dudleya** (*Dudleya variegata*)
  - monitored and photo plots established (USFWS)
  - annual monitoring and management at Los Peñasquitos Canyon Preserve (Friends of Los Peñasquitos Canyon Preserve)
  - monitoring on preserved lands in Lusardi Creek Preserve, 4S Ranch, Santa Fe Valley (County of San Diego)
  - quantitative monitoring within City of SD preserves (City of SD)
- **Willowy monardella** (*Monardella linoides ssp. viminea*)
  - annual monitoring and management at Los Peñasquitos Canyon Preserve (Friends of Los Peñasquitos Canyon Preserve)
  - annual monitoring at Goodan Ranch/Sycamore Canyon Open Space Preserve (Friends of Goodan Ranch/Sycamore Canyon Open Space)
  - quantitative monitoring within City of SD preserves (City of SD)
- **Bird surveys**
  - Avian point counts at Crestridge Ecological Reserve and Batiquitos Lagoon (CDFG)

Training / Education

- Education on how to identify and survey endangered species (Friends of Los Peñasquitos Canyon Preserve)
- Aquatic stream survey Training Workshop (USGS)
- Raptor Survey and Monitoring Techniques Workshop (WRI, funded by CDFG)
- Publication of *Planning Guidebook for Canyon Enhancement Activities* (City of SD)
- Tadpole field guide (USGS)
- Data migration into BIOS (USGS)
Status and Planning

- Wildlife Agencies Issue Take Permit and Sign Implementing Agreement for City of Chula Vista (City of CV)
- Proposed Amendment to Habitat Loss and Incidental Take Ordinance (City of CV)
- Quino Checkerspot Butterfly Amendment (County of SD, SDGE)
- Initiating planning of Santee MSCP Subarea Plan (City of Santee)
- North County MSCP Plan (County of SD)
- East County MSCP Plan (County of SD)
Question and Answer