FY 14/15, 15/16 Strategic Plan Priorities

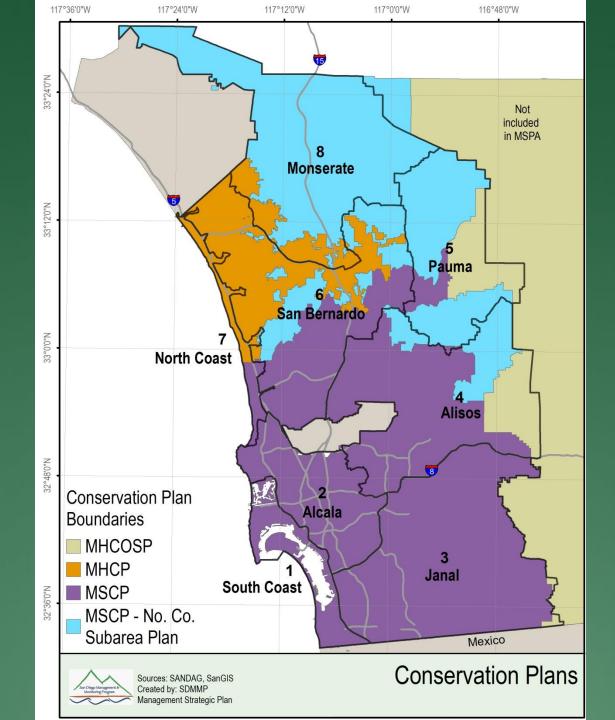
Background

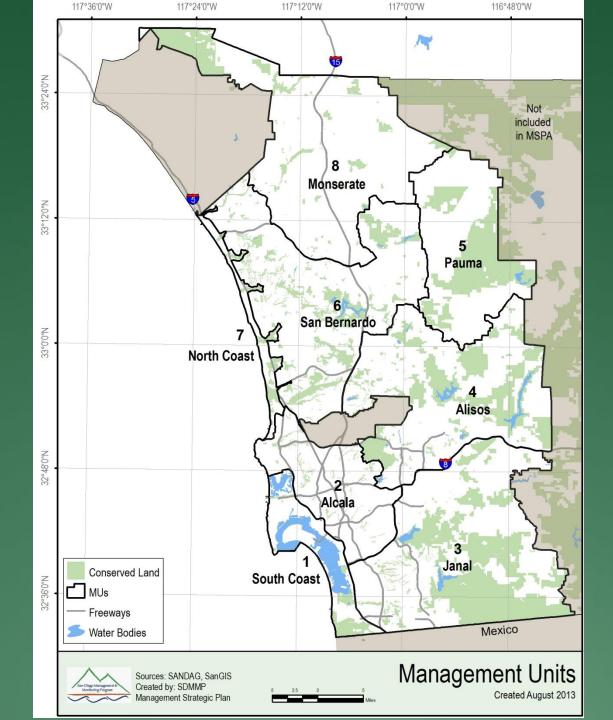
Needs Assessment

ITOC audit report

- Program headed in the right direction
- A "road map" with measurable objectives to guide future expenditures efficiently is needed
- Future budgets should be based on the "road map"

Strategic Plans serve as the "road map"





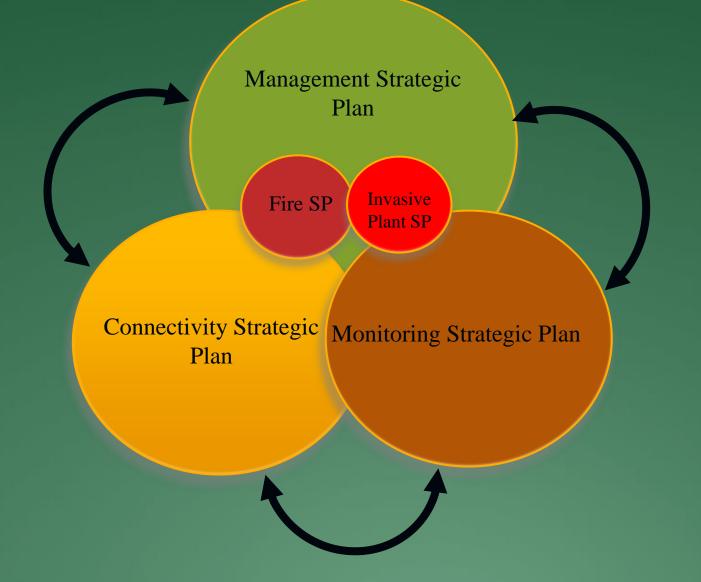
FY 14/15, 15/16 Strategic Plan Priorities

- Management Strategic Plan
 - Species
 - Vegetation Communities
 - Threats/Stressors
 - Fire Planning
 - Invasive Plant Strategic Plan
- Connectivity Strategic Plan
- Monitoring Strategic Plan

Purpose of the Strategic Plans

Identify Actions that are needed to: ensure the persistence of identified species; maintain ecosystem process; and maintain healthy natural communities in an efficient and integrated manner across the MSPA preserve system

FY 14/15, 15/16 Priorities



Implementing the Strategic Plans

- Funding Implementation of Strategic Plans
 - Preserve entity management funding
 - Transnet
 - State and Federal funds
 - Grants
 - Mitigation funds

Improving Conservation Outcomes Through Collaboration and Coordinated Management and Monitoring

Management Strategic Plan FY 14/15, 15/16 Priorities

Management Strategic Plan

Fire SP Plant SP





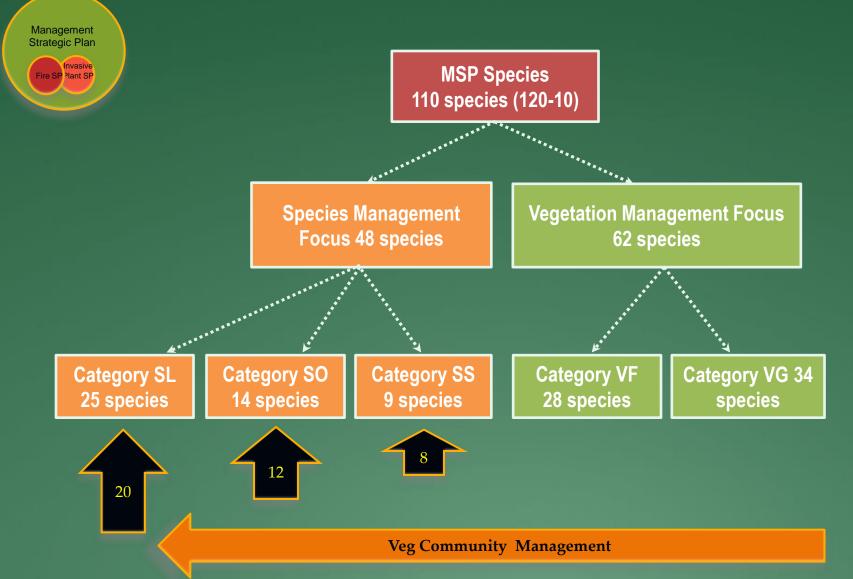
Species

Threats/Stressors



Vegetation communities

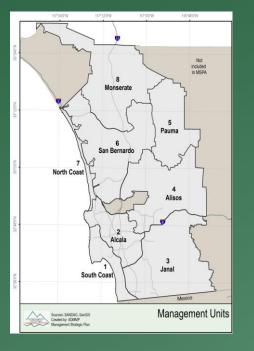
FY 14/15, 15/16 Species Priorities



FY 14/15, 15/16 Priorities - Species • Plants

• IMG - SL, SO, SS

- Increased resilience is needed
 - Shaw's agave 1 & 7
 - Aphanisma 1
 - Salt marsh bird's beak 1
 - Orcutt's spineflower 1& 7
 - San Miguel savory 3, 4 & 8
 - Orcutt's birdsbeak 3
 - Short-leaved dudleya 6 & 7
 - Coast wallflower 1,6, & 7
 - Willowy monardella 4 & 6
 - Heart-leaved pitcher sage 4 & 8
 - Chaparral nolina 4, 5 & 8
 - Mexican flannelbush 3
 - Orcutt's hazardia 6 & 7



Management Strategic Plan

Invasive Fire SP Plant SP

FY 14/15, 15/16 Priorities - Species

Management Strategic Plan

> Invasive Fire SP Plant SF

Animals – SL and SO

- Willow flycatcher
- Hermes copper
- Burrowing owl
- Quino checketspot
- Western pond turtle (multiple genetic groups)
- Pallid bat
- Cactus wren (Otay River genetic cluster)
- Townsend's big-eared bat
- Golden eagle pairs (territories)
- American badger
- Arroyo toad

FY 14/15, 15/16 Priorities Vegetation Communities

Management Strategic Plan Fire SP Plant SP

- MUs 3, 4, 5, 6 & 8
 - Non-native grasslands
 - Coastal Sage Scrub

Goal: Improve the native grass, forb, and bare ground component (diversity and areal extent) and reduce fire spread rate and ignition potential)

MSP FY 14/15, 15/16 Priorities –

Threats/Stressors

Management Strategic Plan

- Connectivity
- Argentine Ants
- Urban drool
- Fire
- Human activity on preserves
- Native and non-native animal species
- Invasive plants- Level 2 and Level 4



Willowy monardella Status and trend- few and declining Threats/stressors

- Fire
- Invasive plants
- Low genetic diversity within occurrences?
- Altered hydrology Goals
- Maintain- 2015-2018
- Expand 2016-2018
- New occurrences 2019-2023





Willowy monardella

Actions to achieve goals:

- Inspect and manage 2014-2018
- Genetics
 - Genetic Analyses 2014-2015
 - See bulking 2015-2016
 - Corrective actions 2016-2018
- Altered hydrology
 - Hydrologic studies
 - Corrective actions 2016- 2018
- Fire
 - Identify specific actions 2014-2015
 - Implement actions 2016-2018
- 2018- reevaluate status and trend of occurrence
- ? Establish New occurrences 2019-2023





Willowy monardella

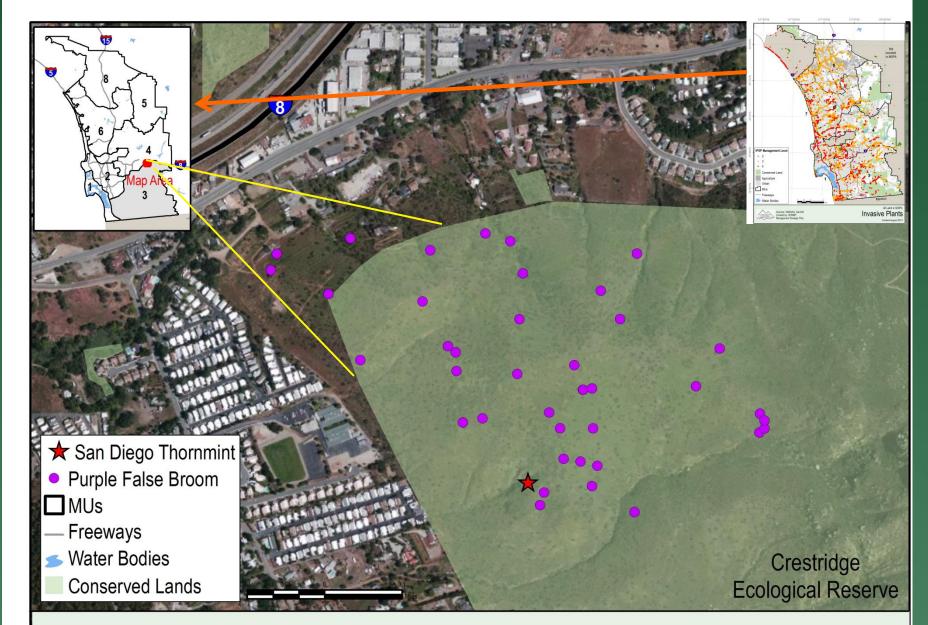


2018- reevaluate status and trend of species

Occurrences maintained and some expanded?

- Reduced impact of invasive plants
- Stabilized hydrology
- Reduced threat from fire
- Improved genetic diversity

? Establish New occurrences to improve long-term resilience – 2019-2023





Sources: SANDAG, SanGIS, see table in text Created by: SDMMP Management Strategic Plan

San Diego Thornmint with Invasives

FY 14/15, 15/16 Monitoring Priorities- Plants

SLSOSS

Monitoring Strategic Plan

Scientific Name:	re Plant Occurr				Occurrence ID:					
Common Name:					CNDDB EO#		Translo	cated?		
Preserve:					0.100020#		Managemer			-
Land Owner:				7	and Manager:		managemen	ic one		
Occurrence Name:					ano manager.		Sample F	Coint #		
Survevors & Affiliation:							Sampler	Ount#.		
Surveyors & Aminauon: Date:					Time Start		Time	Finish:		
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# Plants/Sampling Area		Exact	Пе	stimate (ex	trapolate parti	al count)	Uncertainty?			
# Plants/Current Mapped Extent:										
Area of Current Mapped Extent:					_units 🛛				imato	
Phenology in Current Mapped Extent	(Categories 1.5): V/c									
Evidence in Current Mapped Extent (UIS	ease	siun	ieu Growini		-	
s Sampling Area within Current Mapp			111111							
Species Found in Maximum Extent?	🗌 Yes 🗌 No	·		March 107	(if reason known (10			
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FY 14/15, 15/16 Monitoring Priorities-Animals

Monitoring Strategic Plan

- Gnatcatcher
- Cactus wren
- American badger
- Willow flycatcher
- Golden eagle
- Arroyo toad
- Quino checkerspot butterfly
- Hermes copper
- Herpitofuana diversity
- Bats (Townsend's and Pallid)

Connectivity Strategic Plan

Connectivity Strategic Plan FY 14/15, 15/16 Priorities

- SR 94 Wildlife Infrastructure Plan (in prep.)
- SR 67 Wildlife Infrastructure Plan
- Connectivity studies- mtn. lion and badger
- Small animals, invertebrates, plants (Connectivity SP 2014)
- Wildlife infrastructure improvements





Species in near-term trouble

Species likely to disappear from the MSPA unless actions are taken

- Willow flycatcher
- Hermes copper
- American badger
- Burrowing owl
- Pallid bat
- Townsend's big-eared bat
- Mtn. lion
- Cactus wren (Otay River genetic cluster)
- Western pond turtle (multiple genetic groups)
- Golden eagle pairs (territories)

Potential Funding Buckets

Management Strategic Plan

ConnectivityMonitoringStrategic PlanStrategic Plan

http://sdmmp.com Volume 2 Sections 2, 3, and 4 Volume 2 Appendix 2 A & B

More Information

Management Strategic Plan

April 16th 9:30 – 12:30 Carlsbad April 23rd 12:00 – 3:00 USGS San Diego

http://sdmmp.com Volume 2 Sections 2, 3, and 4 Volume 2 Appendix 2 A & B