

MSHCP Amendment: Conservation Focus Group Adaptive Management

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January 28, 2025



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desert conservation
PROGRAM



What is it?

- A tool for addressing uncertainty in the conservation and management of Covered Species and their habitat
- Identify problems, design and implement strategies, monitor and evaluate results, then adjust approach to achieve desired outcomes

Uncertainties: ecosystem functions, effectiveness of management actions, survey approaches or models, or changed climatic conditions

ADAPTIVE MANAGEMENT

Adaptive Management Evaluation

- Occurs every 10 years
- Evaluate species monitoring results against pre-defined triggers
- If a trigger is met, begin Adaptive Management Process
- Continues until actions are successful in resolving or improving upon an issue



TRIGGERS



Example Triggers

Monitoring Type	Species/Habitat Monitored	Trigger
Invasive Species Monitoring	Invasive Species	<ul style="list-style-type: none">• Newly established invasive plant species• Increasing cover of invasive plant species relative to baseline.
Habitat Quality	All Covered Species Habitat	<ul style="list-style-type: none">• Decreasing habitat quality across reserve lands during the assessment period
Species Monitoring	Desert Tortoise	<ul style="list-style-type: none">• Decreasing metric across desert upland reserve lands during the assessment period
Species Monitoring	Southwestern Willow Flycatcher	<ul style="list-style-type: none">• Decreasing detections during the breeding season across riparian reserve lands during the assessment period
Species Monitoring	Gila Monster	<ul style="list-style-type: none">• Decreasing suitable habitat across reserve lands during the assessment period
Species Monitoring	Las Vegas Bearpoppy	<ul style="list-style-type: none">• Non-federal development in areas of occupied and potentially suitable habitat has exceeded 9% of baseline within Plan Area

ADAPTIVE MANAGEMENT



- Revisions to monitoring protocols or ecosystem indicators can be made through the adaptive management process at any time
- Monitoring and Adaptive Management Plan is considered a “living document”
- Reviewed, revised, and updated at least every 10 years