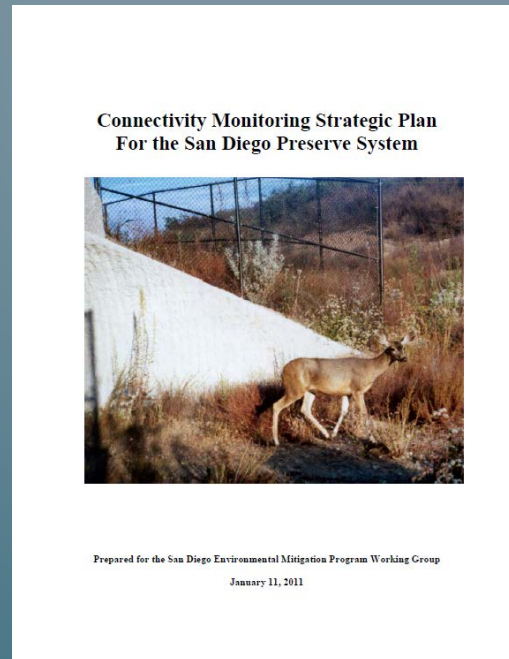


STRATEGIC HABITAT CONSERVATION ROADMAP CONNECTIVITY ELEMENT

Updating the
Connectivity
Strategic
Plan



Science
Session

Hosted by the SDMMP at USGS on July 1, 2014

Ron Rempel, Administrator
Yvonne Moore, Coordinator
Kris Preston, Ecologist



Emily Perkins, GIS Manager
Sharon Coe, Data Manager

Purpose & Goals

To review connectivity project results and gather scientific input for use in updating the Connectivity Strategic Plan (CSP)

The CSP will help plan participants understand the performance of the preserve system in meeting identified connectivity goals and make decisions regarding where and what management actions could be implemented to improve and/or maintain preserve system connectivity

Format of Meeting

- *Morning group session with informal presentations and roundtable discussion*
- *Working lunch and afternoon small group breakout sessions*
- *Follow-up group session to share results*
- *Groups*
 - *Large Animals and Landscape Connectivity (Ron – green dot)*
 - *Small animals (Yvonne – red dot)*
 - *Pollinators (Kris – blue dot)*



Role of Participants

- **SDMMP**
 - *Facilitate meeting and breakout groups*
 - *Update Connectivity Strategic Plan*
 - *Oversee connectivity studies*
 - *Assist with sampling design & statistical analysis, if needed*
- **Invitees**
 - *Present connectivity project results*
 - *Provide input on scientific direction*
- **SANDAG**
 - *Integrates results into the EMP funding strategy*



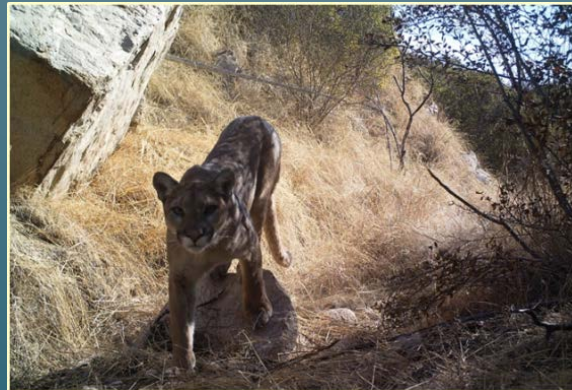
Basic Questions



- *Is it working? [i.e. core areas, linkages]*
- *Are the animals getting across?*
- *Are they re-populating or just commuting?*
- *Are they exchanging genetic material?*
- *Is the use of the linkage changing through time?*
- *Specific Questions provided by group facilitator*

Small Group Rules

- *Stay focused and on topic - MSPA connectivity*
- *Use MSP species whenever possible*
- *Assign a recorder and a presenter*
- *Report back on priority species, questions, and methods for updating objectives in CSP*
- *Be constructive, not critical*



Connectivity Strategic Plan Background

- *San Diego Conservation Plans' conservation goals*
 - *Conservation of functionally linked cores*
 - *Persistence of conserved species - connected preserve system*
- *Connectivity monitoring*
 - *Key element of the MHCP and MHCP monitoring programs*

Connectivity Strategic Plan Background

Connectivity – Why?

- *Access to resources via within-home-range movements, migration, etc.*
- *Demographic exchange (dispersal, recolonization, demographic rescue, etc.).*
- *Gene flow (including potential for adaptation and evolution).*
- *Maintenance of ecological function including food web dynamics and trophic interactions.*
- *Species movement among core areas and habitat patches.*
- *Shifts in species geographic ranges in response to environmental change such as wildfire and climate change.*

Status of Projects

- *Large Animals*
 - *Mountain Lion*
 - *Badger*
 - *Deer*
 - *Bobcat*
 - *Roadrunner*
- *Birds*
 - *Cactus wren*
 - *Gnatcatcher*
 - *Southwestern willow flycatcher*
 - *Least Bell's vireo*
- *Small Animals*
- *Plants*