

# First .... A Couple Reminders



## Quoted from CEQ

**“...agencies shall integrate the NEPA process  
with other planning  
at the earliest possible time  
to ensure that planning and decisions  
reflect environmental values,  
to avoid delays  
later in the process ...”**

Council on Environmental Quality Regulations

(1978)

40 CFR 1501.2

# Quoted from NEPA

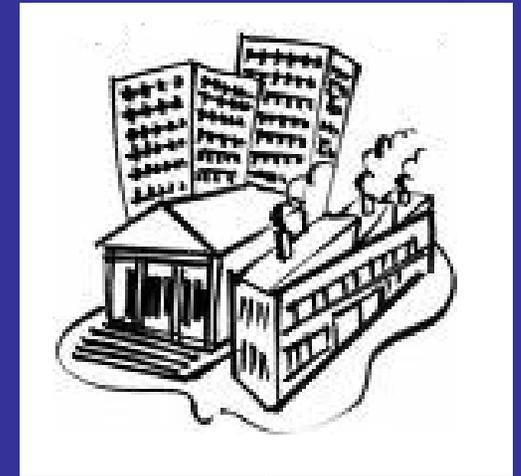
**“...agencies shall utilize a systematic,  
interdisciplinary approach  
which will insure  
the integrated use of natural and social  
sciences...  
in planning and decision making...”**

National Environmental Policy Act

(NEPA, **1969**)

42 USC 4332

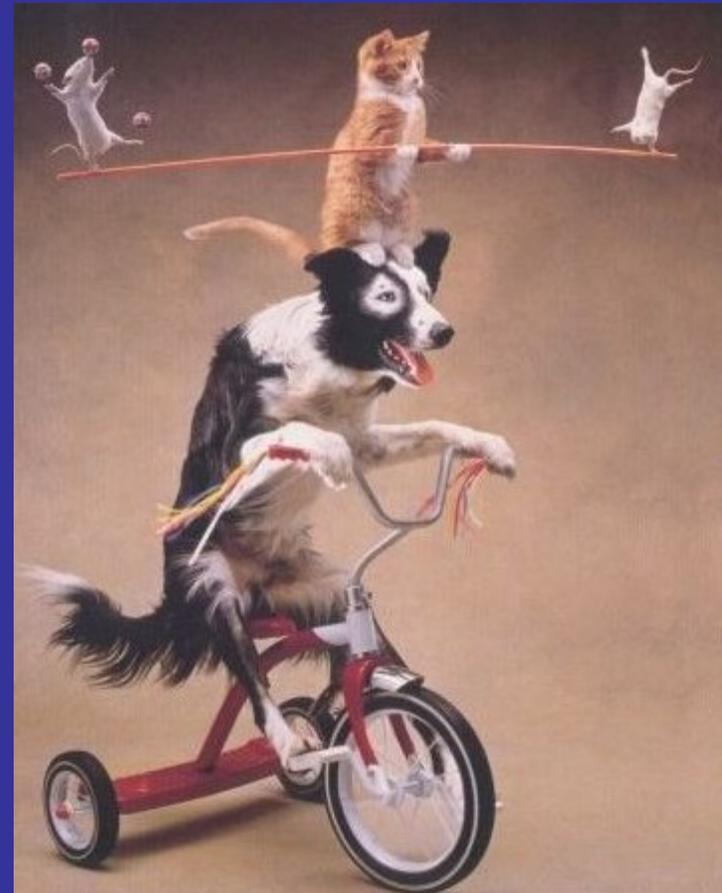
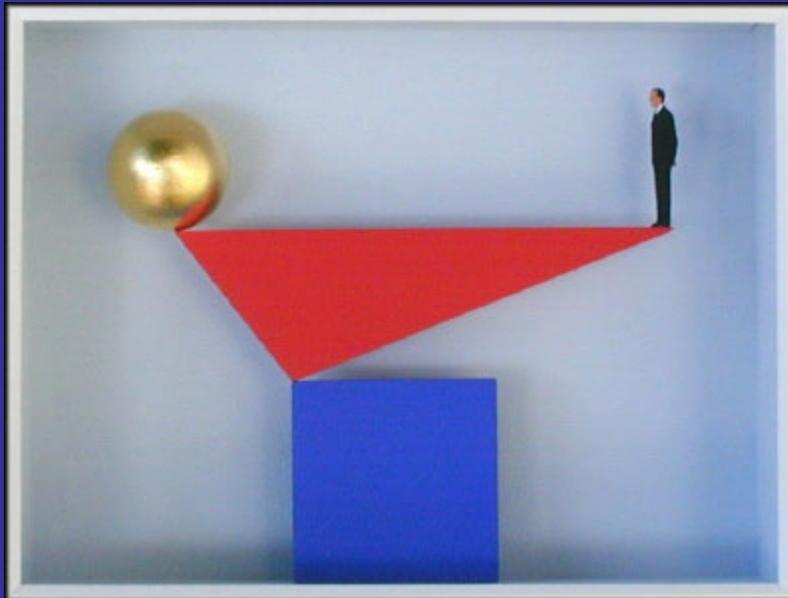
# What is Advance Mitigation



In Advance



# Balancing



# Mitigation

- **Avoid**
- **Minimize**
- **Repair, Rehabilitate, Restore**
- **Preserve**
- **Compensate**

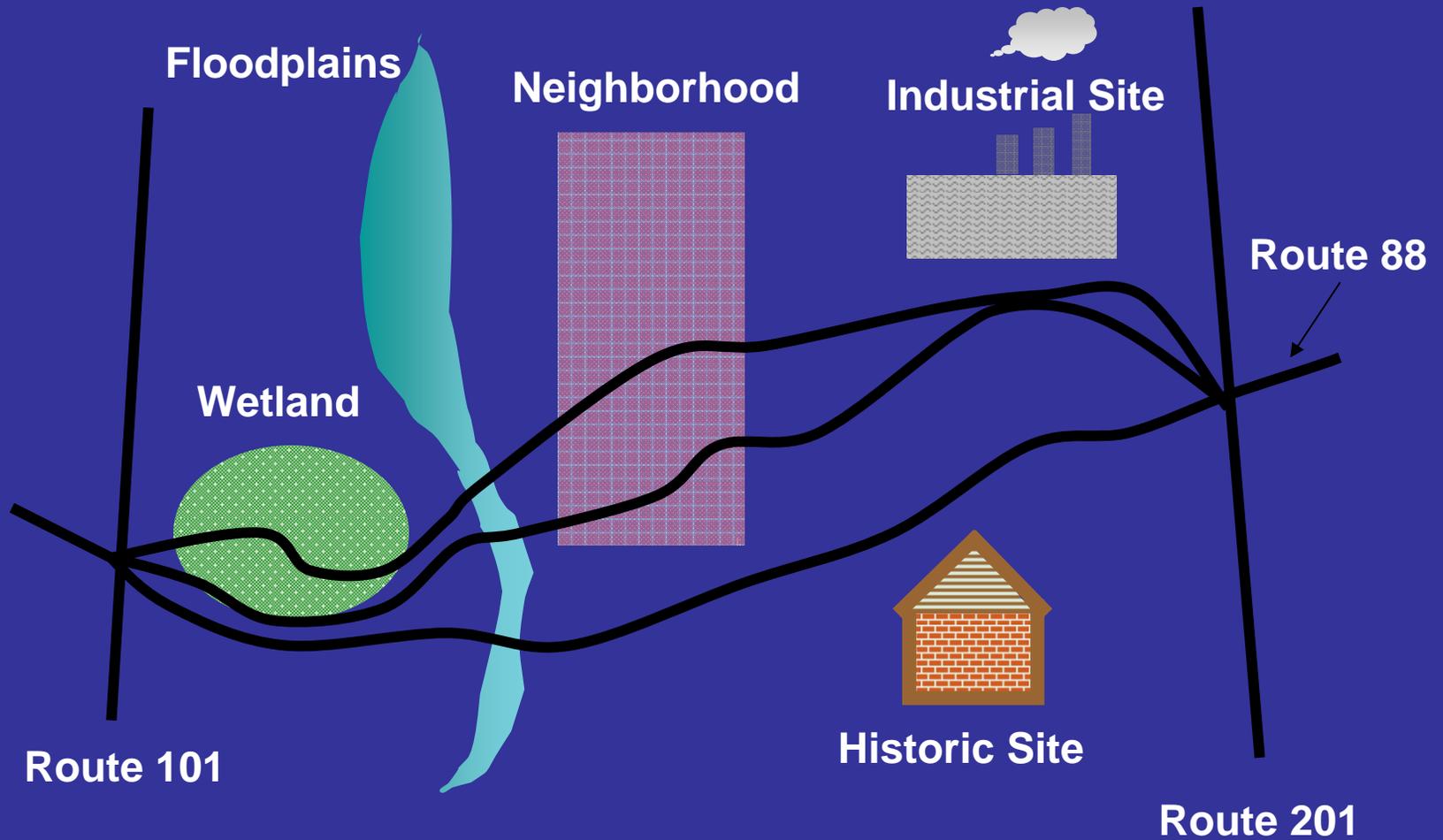


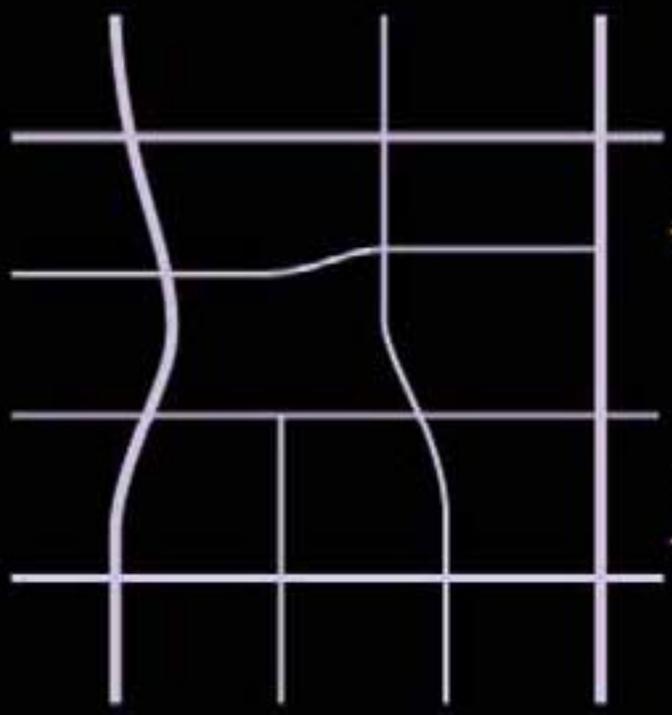
# Advanced Environmental Mitigation Requirements

*Environmental mitigation activities* means strategies, policies, programs, actions, and activities that, over time, will serve to avoid, minimize, or compensate for (by replacing or providing substitute resources) the impacts to or disruption of elements of the human and natural environment associated with the implementation of a long-range statewide transportation plan or metropolitan transportation plan.



# Avoidance and Minimization



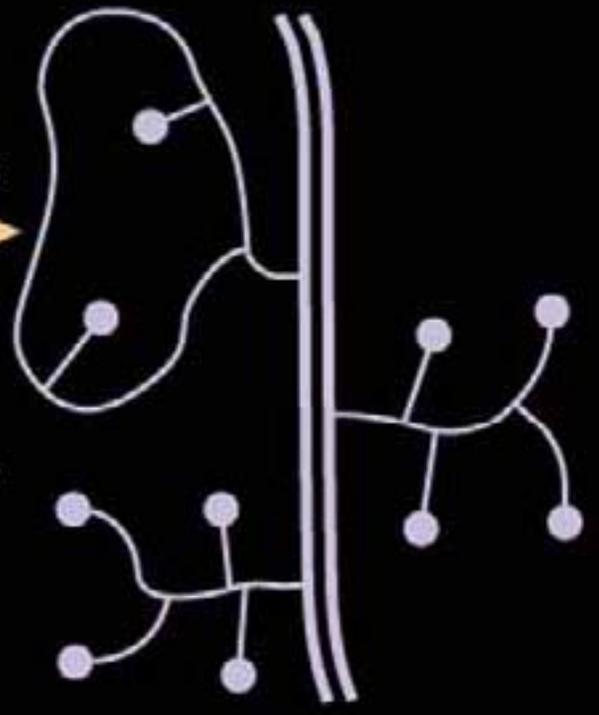


**Network**

**Same Lane-Miles**



**Greater Capacity**

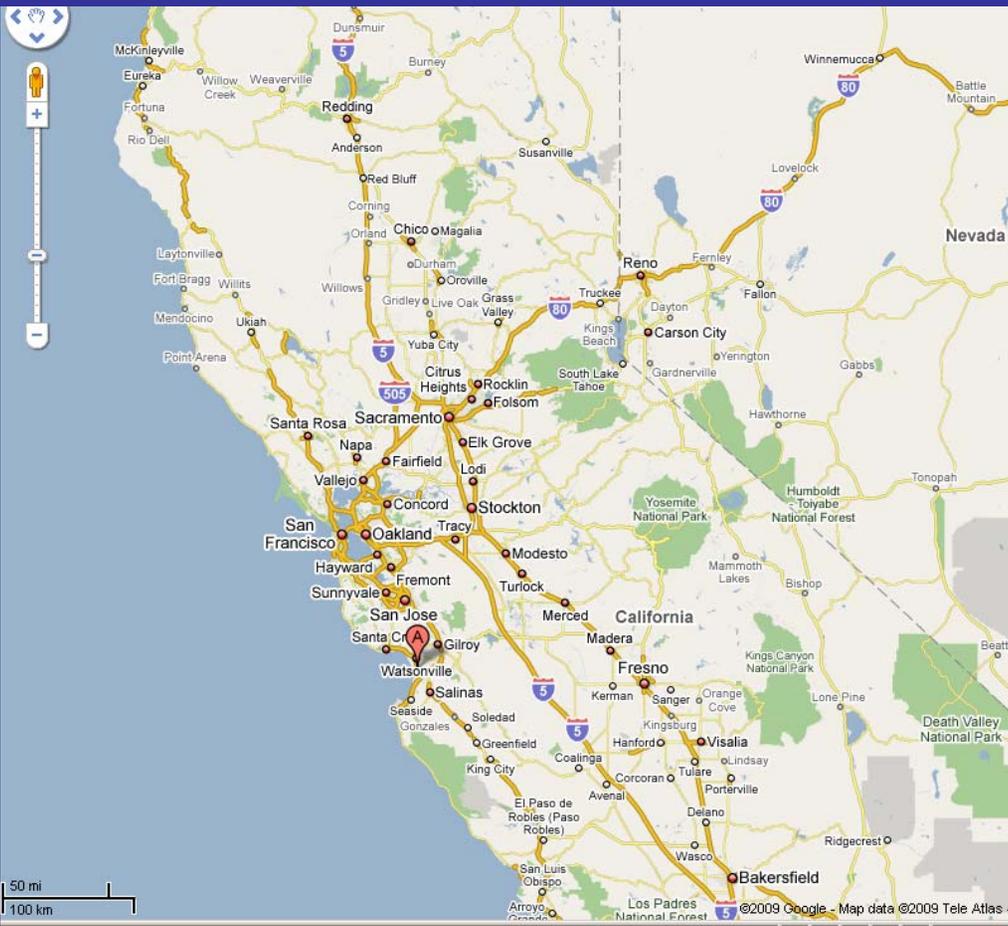


**Sparse Hierarchy**

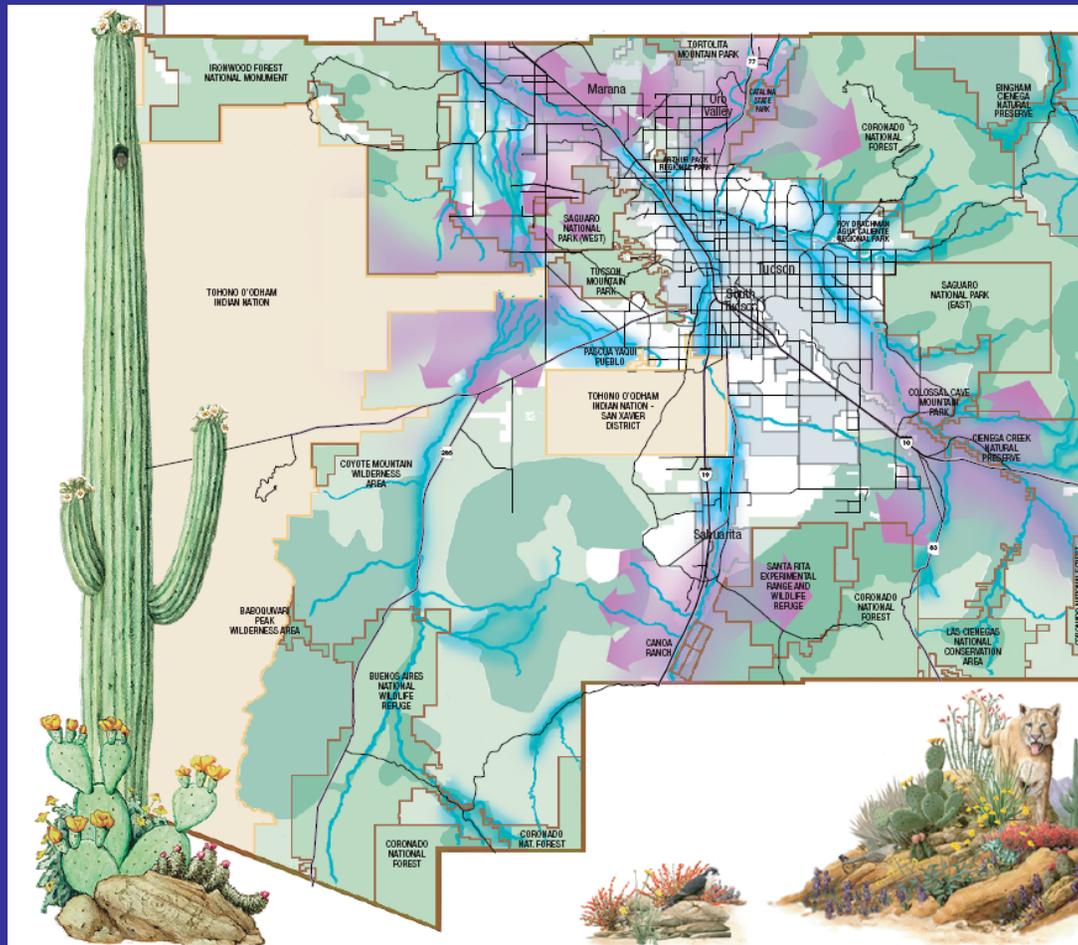
# Advance Mitigation



# Elkhorn Slough



# Sonoran Desert Conservation Plan – Pima County, AZ



## SONORAN DESERT CONSERVATION PLAN

### BIOLOGICAL CORRIDORS AND CRITICAL HABITAT

The work on the biological corridors and critical habitat element of the Sonoran Desert Conservation Plan revealed that biology is the basis for all other elements. The strong interconnections of all five elements is critical in forming a viable land management plan that ensures continuing biodiversity for Pima County.

#### LEGEND

-  Important Riparian Areas
-  Biological Core Areas
-  Multiple Use Areas
-  Wildlife Corridors



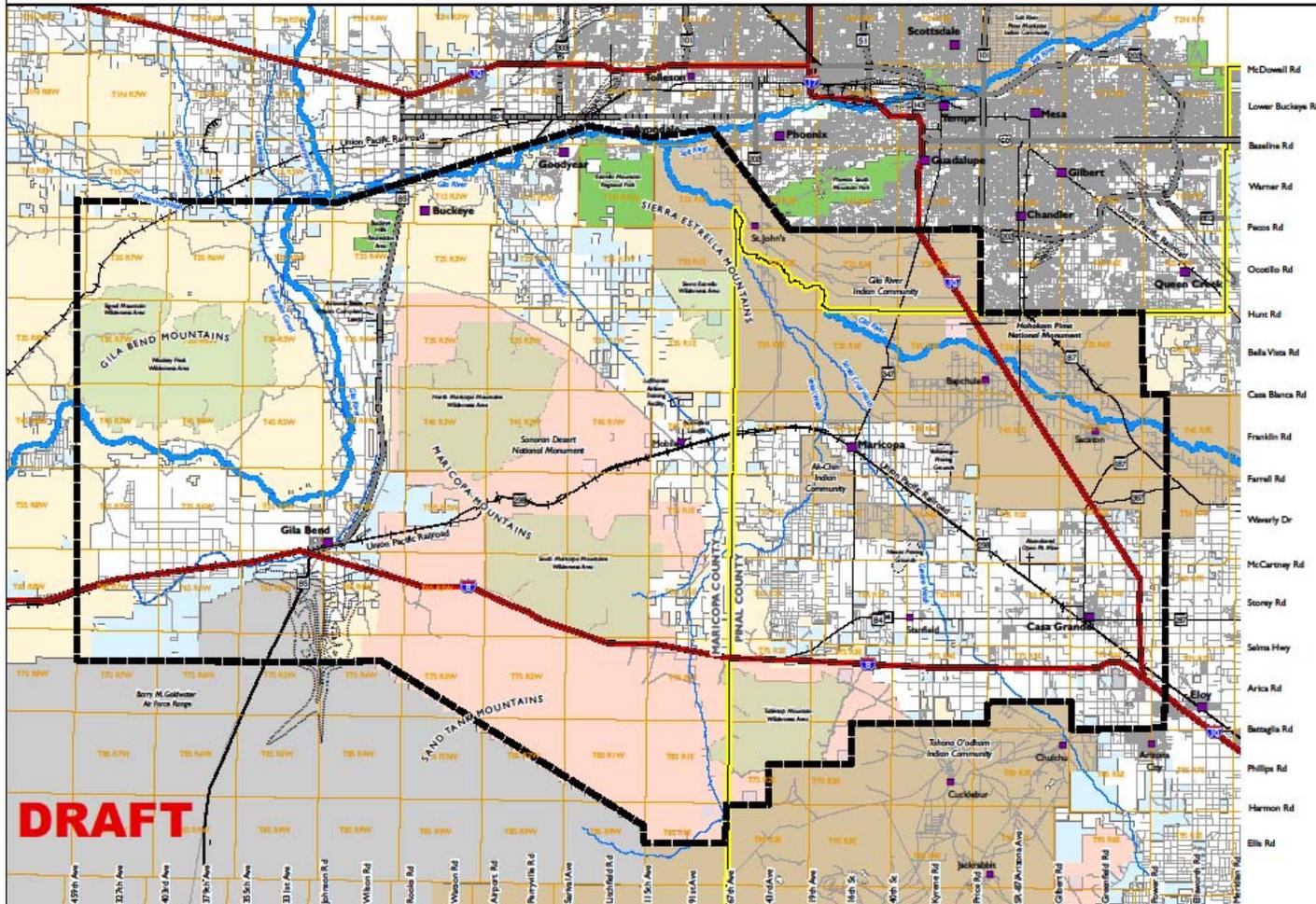
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Visit the Sonoran Desert Conservation Plan Web site  
[www.pima.gov/sdcp](http://www.pima.gov/sdcp)

Sonoran Desert Conservation Plan  
 County Administrator's Office  
 130 West Congress, 10th Floor  
 Tucson, AZ 85701  
 520-740-8162



# I-8/I-10 Hidden Valley Roadway Framework Study



## Land Ownership

### Legend

- Cities/Towns
- Unincorporated Communities
- Railroads
- Roads
- Highways
- Metro Phoenix Freeway System
- Proposed Freeways
- Interstates
- Rivers/Washes
- Canals
- Township/Range
- County Boundary
- Wilderness Area
- National Monument
- Noise Contours
- Study Area Boundary

### Land Ownership

- BLM
- Indian Communities
- Local or State Parks
- Military
- State Land
- Private



Sources: MAG GIS 2007, ALRIS 2006

June 6, 2007

# South Carolina DOT – Carolina Bays Ecosystem Initiative



# Mississippi DOT – Deaton Ecological Preserve



# SANDAG Multi-species Conservation Plan/ Transnet Environmental Mitigation Project

- Transnet (1/2 cent sales tax) funds transportation projects including Mitigation Project:
- ✓ Funding to acquire and manage habitat lands.
- ✓ Buy land early and bank for future mitigation needs.
- ✓ Up to \$200 million in savings.



# Conservation Banking



# Wetland banking



# Recognize the Issues



## During and After this Workshop:

### Momentum toward Opportunities





Never doubt that a small group of thoughtful  
committed citizens can change the world.  
Indeed, it's the only thing that ever has.

*Margaret Mead*

View from Rocky Fork, TN  
Photo © David Ramsey