SECTION VII  POTENTIAL LINKAGE ZONES

Linkage 1
Beaver Dam Slope – Virgin Slope
Mohave Desert Ecoregion

County: Mohave
ADOT Engineering District: Flagstaff and Kingman
ADOT Maintenance: Fredonia and Kingman
ADOT Natural Resources Management Section: Flagstaff
AGFD: Region II
BLM: Arizona Strip District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A2 and A4
Legislative District: 3

Biotic Communities (Vegetation Types):
Mohave Desertscrub 100%

Land Ownership:
Bureau of Land Management 59%
Private 27%
State Trust Land 14%

Identified Species:
Allen’s Big-eared Bat Idiorycteris phyllotis
Arizona Toad Bufo microscaphus
Banded Gila Monster Heloderma suspectum cinctum
Bighorn Sheep Ovis canadensis
California Leaf-nosed Bat Macrotus californicus
Common Black-hawk Buteogallus anthracinus
Desert Sucker Catostomus "Pantosteus" clarki
Flannelmouth Sucker Catostomus "Pantosteus" discobolus

(Identification continues)
Kit Fox Vulpes macrotis
Mohave Desert Tortoise Gopherus agassizii
Mountain Lion Felis concolor
Mule Deer Odocoileus hemionus
Speckled Dace Rhinichthys osculus
Spotted Bat Euderma maculatum
Virgin Chub Gila seminuda
Virgin Spinedace Lepidomeda mollispinis mollispinis
Woundfin Plagopterus argentissimus

Threats:
Highway (I 15)
Urbanization

Hydrology:
Big Bend Wash
Coon Creek
Virgin River

Linkage 2
Beaver Dam – Virgin Mountains
Mohave Desert Ecoregion

County: Mohave
ADOT Engineering District: Flagstaff
ADOT Maintenance: Fredonia
ADOT Natural Resources Management Section: Flagstaff
AGFD: Region II
BLM: Arizona Strip District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A2
Legislative District: 3

Biotic Communities (Vegetation Types):
Mohave Desertscrub 100%

Land Ownership:
Bureau of Land Management 93%
Private Land 2%
State Trust Land 5%

Identified Species:
American Peregrine Falcon Falco peregrinus anatum
Arizona Toad Bufo microscaphus
Bighorn Sheep Ovis canadensis
Bobcat Lynx rufus
Chiseled-Tooth Kangaroo Rat Dipodomys microps leucotis
Flannelmouth Sucker Catostomus "Pantosteus" discobolus
Hoary Bat Lasiurus cinereus
Kit Fox Vulpes macrotis
(Linkage 2: Identified Species continued)

- Mohave Desert Tortoise Gopherus agassizii
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Relict Leopard Frog Rana onca
- Silver-haired Bat Lasionycteris noctivagans
- Spotted Bat Euderma maculatum
- Utah Mountain Kingsnake Lampropeltis pyromelana
- Woundfin Plagopterus argentissimus
- Virgin Spinedace Lepidomeda mollispinis
- Virgin River

Threats:
- Grazing
- Highway (I 15)

Hydrology:
- Black Rock Gulch
- Cedar Pockets Wash
- Mountain Sheep Wash
- Sullivans Canyon
- Virgin River

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Linkage 3
Cedar Rim/Fredonia Pronghorn Crossing
Colorado Plateau Ecoregion

County: Mohave and Coconino
ADOT Engineering District: Flagstaff
ADOT Maintenance: Fredonia
ADOT Natural Resources Management Section: Flagstaff
AGFD: Region II
BLM: Arizona Strip District
Congressional District: 1 and 2
Council of Government: Northern Arizona Council of Governments and Western Arizona Council of Governments
FHWA Engineering: A2
Legislative District: 3

Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland 6%
- Great Basin Desertscrub 57%
- Plains & Great Basin Grassland 37%

Land Ownership:
- Bureau of Land Management 9%
- Tribal Land (Kaibab) 20%
- Private Land 43.5%
- State Trust Land 27.5%

Identified Species:
- Allen’s Big-eared Bat Idiobatrachus phyllotis
- Fringed Myotis Myotis thysanodes
- Grand Canyon Rattlesnake Crotalus oreganos abyssus
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pronghorn Antilocapra americana

(Linkage 3: continued)
Threats:
- Highway (SR 389)
- Urbanization

Hydrology:
- Big Sand Wash
- Cottonwood Creek
- Johnson Run
- Johnson Wash
- Kanab Creek
- Lost Spring Wash
- Pipe Valley Wash
- Sand Wash
- Sand Ridge Wash
- Sandy Canyon Wash
- Short Creek
- South Moccasin Wash
- Twomile Creek

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**Linkage 4**  
**Kaibab – Paunsaugunt Plateau**  
Colorado Plateau Ecoregion

- **County:** Coconino  
- **ADOT Engineering District:** Flagstaff  
- **ADOT Maintenance:** Fredonia  
- **ADOT Natural Resources Management Section:** Flagstaff  
- **AGFD:** Region II  
- **BLM:** Arizona Strip District  
- **Congressional District:** 1  
- **Council of Government:** Northern Arizona Council of Governments  
- **FHWA Engineering:** A2  
- **Legislative District:** 3

**Biotic Communities (Vegetation Types):**  
- Great Basin Conifer Woodland: 42%  
- Great Basin Desertscrub: 20%  
- Plains & Great Basin Grassland: 1%  
  
*Note: Linkage extends into Utah*

**Land Ownership:**  
- Bureau of Land Management: 51%  
- State Trust Land: 12%  
  
*Note: Linkage extends into Utah*

**Identified Species:**  
- Mule Deer *Odocoileus hemionus*  
- Mountain Lion *Felis concolor*

**Threats:**  
- Highway (US 89, US 89A)

**Hydrology:**  
- None identified at this time

**Linkage 5**  
**Kaibab Plateau North Rim**  
Colorado Plateau Ecoregion

- **County:** Coconino  
- **ADOT Engineering District:** Flagstaff  
- **ADOT Maintenance:** Fredonia  
- **ADOT Natural Resources Management Section:** Flagstaff  
- **AGFD:** Region II  
- **BLM:** Arizona Strip District  
- **Congressional District:** 1  
- **Council of Government:** Northern Arizona Council of Governments  
- **FHWA Engineering:** A2  
- **Legislative District:** 2 and 3

**Biotic Communities (Vegetation Types):**  
- Great Basin Conifer Woodland: 28%  
- Petran Montane Conifer Forest: 64%  
- Plains & Great Basin Grassland: 1%  
- Subalpine Grassland: 7%  

**Land Ownership:**  
- Bureau of Land Management: < 0.1%  
- USDA Forest Service (Kaibab): 99.7%  
- National Park Service (Grand Canyon): < 0.1%  
- Private Land: < 0.1%

**Identified Species:**  
- American Peregrine Falcon *Falco peregrinus anatum*  
- Big Free-tailed Bat *Nyctinomops macrotus*  
- Greater Western Mastiff Bat *Eumops perotis californicus*  
- Long-eared Myotis *Myotis evotis*  
- Mountain Lion *Felis concolor*  
- Mule Deer *Odocoileus hemionus*  
- Northern Goshawk *Accipiter gentilis*  
- Pine Grosbeak *Pinicola enucleator*  

*(Linkage 5: Identified Species continued)*  
- Spotted Bat *Euderma maculatum*  
- Western Small-footed Myotis *Myotis ciliolabrum*  
- Wild Turkey *Meleagris gallopavo*  

**Threats:**  
- Highway (SR 67)

**Hydrology:**  
- Jacob Canyon  
- Kane Canyon  
- Pleasant Valley Outlet  
- Rock Canyon  
- Warm Springs Canyon  
- Wildcat Canyon
**Linkage 6**
**Paria Plateau – Kaibab Plateau**
Colorado Plateau Ecoregion

**County:** Coconino County

**ADOT Engineering District:** Flagstaff
**ADOT Maintenance:** Fredonia and Page
**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region I and Region II

**BLM:** Arizona Strip District and Phoenix District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A2

**Legislative District:** 2 and 3

**Biotic Communities (Vegetation Types):**
- Great Basin Desertscrub 67%
- Plains & Great Basin Grassland 33%

**Land Ownership:**
- Bureau of Land Management 96%
- National Park Service (Glen Canyon, Grand Canyon) 1%
- Private Land 2%
- State Trust Land 1%
- Tribal Land (Navajo) < 0.1%
- USDA Forest Service (Kaibab) 1%

**Identified Species:**
- American Peregrine Falcon *Falco peregrinus anatum*
- Bighorn Sheep *Ovis canadensis*
- Chiselled-toothed Kangaroo Rat *Dipodomys microps leucotis*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Pronghorn Antilocapra americana
- Western Burrowing Owl *Athene cunicularia hypugaea*

(Continued)

**Threats:**
- Highway (SR 89A, BLM Road 1065)
- Recreational Traffic (vehicular, pedestrian)

**Hydrology:**
- Badger Creek
- Colorado River
- Emmett Wash
- House Rock Wash
- Soap Creek
- South Fork Soap Creek

**Linkage 7**
**Skeleton Mesa – Black Mesa**
Colorado Plateau Ecoregion

**County:** Navajo

**ADOT Engineering District:** Holbrook
**ADOT Maintenance:** Kayenta
**ADOT Natural Resources Management Section:** Flagstaff

**AGFD:** Region I

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 2

**Biotic Communities (Vegetation Types):**
- Great Basin Conifer Woodland 62%
- Great Basin Desertscrub 19%
- Plains & Great Basin Grassland 19%
- Tribal Land (Navajo) 100%

**Land Ownership:**
- Tribal Land (Navajo) 100%

**Identified Species:**
- Black Bear *Ursus americanus*
- Hopi Rattlesnake *Crotalus viridus nuntius*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Navajo Mexican Vole *Microtus mexicanus navaho*

**Threats:**
- Highway (US 160)
- Ranching

**Hydrology:**
- Laguna Creek
- Shonto Wash
- Tsegi Canyon
**Linkage 8**
Chinle Valley – Chuska Mountains
Colorado Plateau Ecoregion

- County: Apache
- ADOT Engineering District: Holbrook
- ADOT Maintenance: Kayenta and Page
- ADOT Natural Resources Management Section: Flagstaff
- AGFD: Region I
- BLM: Phoenix District
- Congressional District: 1
- Council of Government: Northern Arizona Council of Governments
- FHWA Engineering: A4
- Legislative District: 2

**Biotic Communities (Vegetation Types):**
- Great Basin Desertsrub: 73%
- Plains & Great Basin Grassland: 27%

**Land Ownership:**
- Tribal Land (Navajo): 100%

**Identified Species:**
- Black Bear *Ursus americanus*
- Black-Billed Magpie *Pica hudsonia*
- Hopi Rattlesnake *Crotalus viridis nuntius*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Leopard Frog *Rana pipiens*
- Western Burrowing Owl *Athene cunicularia hypugaea*

**Threats:**
- Highway Threat (US 191)

**Hydrology:**
- Agua Sal Creek

*(Linkage 8: Hydrology continued)*
- Black Mountain Wash
- Chinle Wash Cottonwood Wash
- Hsibiito Wash
- Lukachukai Wash
- Nazlini Wash
- Red Wash
- Sheep Dip Wash
- Trading Post Wash

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**Linkage 9**
Chusa Mountains – New Mexico
Arizona/New Mexico Mountains Ecoregion

- County: Apache
- ADOT Engineering District: Holbrook
- ADOT Maintenance: Kayenta and Page
- ADOT Natural Resources Management Section: Flagstaff
- AGFD: Region I
- BLM: Phoenix District
- Congressional District: 1
- Council of Government: Northern Arizona Council of Governments
- FHWA Engineering: A4
- Legislative District: 2

**Biotic Communities (Vegetation Types):**
- Great Basin Conifer Woodland: 8%
- Great Basin Desertsrub: 5%
- Petran Montane Conifer Forest: 22%
- Petran Subalpine Conifer Forest: 5%
- Plains & Great Basin Grassland: 7%
- Subalpine Grassland: 1%

*Note: Half of Linkage is in New Mexico*

**Land Ownership:**
- Tribal Land (Navajo): 48%

*Note: Half of Linkage is in New Mexico*

**Identified Species:**
- Elk *Cervus elaphus*
- Hopi Rattlesnake *Crotalus viridis nuntius*
- Mule Deer *Odocoileus hemionus*
- Riparian Obligates
- Wild Turkey *Meleagris gallopavo*
Linkage 10
Mount Tipton - Mount Perkins
Mohave Desert Ecoregion

County: Mohave
ADOT Engineering District: Kingman
ADOT Maintenance: Kingman
ADOT Natural Resources Management Section: Prescott
AGFD: Region III
BLM: Colorado River District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3

Biotic Communities (Vegetation Types):
Mohave Desertscrub 100%

Land Ownership:
Bureau of Land Management 12.5%
National Parks Service (Lake Mead) 86.5%
State Trust Land 1%

Identified Species:
American Peregrine Falcon *Falco peregrinus anatum*
Arizona Chuckwalla *Sauromalus ater*
Banded Gila Monster *Heloderma suspectum cinctum*
Bighorn Sheep *Ovis canadensis*
Bobcat *Lynx rufus*
Desert Rosy Boa *Charina trivirgata gracia*
Greater Western Mastiff Bat *Eumops perotis californicus*
Kit Fox *Vulpes macrotis*
Mohave Desert Tortoise *Gopherus agassizii*
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus hemionus*
Pale Townsend’s Big-eared Bat *Corynorhinus townsendii pallescens*
Razorback Sucker *Xyrauchen texanus*

(LinkId 9: continued)
Threats:
Highway (SR 504)
Urbanization

Hydrology:
Black Creek
Blackhorse Creek
Blackrock Wash
Bonita Creek
Buell Wash
Coyote Wash
Horse Mesa Wash
Pine Wash
Red Wash
Sanostee Wash
Standing Redrock Creek
Twin Buttes Wash
Wheatfields Creek
Whiskey Creek
White Spring Wash

(LinkId 10: Identified Species continued)
Relict Leopard Frog *Rana onca*
Speckled Rattlesnake *Crotalus mitchelli*

Threats:
Highway (US 93)
Border Security Threat
Burros

Hydrology:
Colorado River
Linkage 11
Grand Canyon – Prescott National Forest
Apache Highlands Ecoregion
Colorado Plateau Ecoregion

County: Coconino and Yavapai

ADOT Engineering District: Flagstaff and Kingman
ADOT Maintenance: Fredonia, Kingman, Seligman and Williams
ADOT Natural Resources Management Section: Flagstaff and Prescott

AGFD: Region II and Region III

BLM: Colorado River District and Phoenix District

Congressional District: 1 and 2

Council of Government: Northern Arizona Council of Governments and Western Arizona Council of Governments

FHWA Engineering: A2 and A4

Legislative District: 1, 2, 3 and 4

Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland 34%
- Great Basin Desertscrub 2%
- Plains & Great Basin Grassland 64%

Land Ownership:
- Private Land 67%
- State Trust Land 33%
- Tribal Land (Havasupai; Hualapai) < 0.1%
- USDA Forest Service (Kaibab; Prescott) < 0.1%

Identified Species:
- American Kestrel Falco sparverius
- Bald Eagle Haliaeetus leucocephalus
- Barn Owl Tyto alba
- Black Footed Ferret Mustela nigripes
- Elk Cervus elaphus
- Ferruginous Hawk Buteo regalis
- Golden Eagle Aquila chrysaetos
- Great Horned Owl Bubo virginianus
- Gunnison’s Prairie Dog Cynomys gunnisoni
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Prairie Falcon Falco mexicanus
- Pronghorn Antilocapra americana
- Rough-legged Hawk Buteo lagopus
- Short-eared Owl Asio flammeus
- Spotted Owl Strix occidentalis
- Swainson’s Hawk Buteo swainsoni
- Western Burrowing Owl Athene cunicularia hypugaea
- Western Meadowlark Sturnella neglecta

Threats:
- Highway (I-40)
- Railroad
- Urbanization

Hydrology:
- Ash Fork Draw
- Big Chino Wash
- Black Tank Wash
- Chino Wash
- Eightmile Creek
- Havasu Creek
- Johnson Creek
- Little Canyon Creek
- Markham Wash
- Meath Wash
- Monument Wash
- Partridge Creek
- Pineveta Creek
- Sandstone Wash
- Truxton Wash
- Turkey Canyon

Linkage 12
Coconino Plateau – Kaibab National Forest
Apache Highlands Ecoregion
Arizona/New Mexico Mountains Ecoregion
Colorado Plateau Ecoregion

County: Coconino

ADOT Engineering District: Flagstaff
ADOT Maintenance: Williams
ADOT Natural Resources Management Section: Flagstaff

AGFD: Region II and Region III

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A2

Legislative District: 1

Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland 59%
- Petran Montane Conifer Forest 3%
- Plains & Great Basin Grassland 38%

Land Ownership:
- National Parks Service (Grand Canyon) 0.5%
- Private Land 61.5%
- State Trust Land 35%
- USDA Forest Service (Kaibab) 9%

Identified Species:
- Elk Cervus elaphus
- Mule Deer Odocoileus hemionus
- Mountain Lion Felis concolor
- Northern Goshawk Accipiter gentilis
- Pronghorn Antilocapra americana
Linkage 13
South Rim Grand Canyon
Colorado Plateau Ecoregion

County: Coconino
ADOT Engineering District: Flagstaff
ADOT Maintenance: Gray Mountain
ADOT Natural Resources Management Section: Flagstaff

Hydrology:
Deer Tank Wash
Lee Canyon
Little Colorado River

Threats:
Hydrology (Linkage 13: continued)
Highway (SR 64)
Urbanization

Cataract Creek
Coconino Creek
Little Red Horse Wash
Martin Dam Draw
Miller Wash
Monument Wash
Pine Creek Wash
Rain Tank Wash
Red Horse Wash
Red Lake Wash
Spring Valley Wash

(Linkage 13: continued)

Biotic Communities (Vegetation Types):
Great Basin Conifer Woodland 97%
Great Basin Desertscrub 3%

Land Ownership:
Private Land 2%
Tribal Land (Navajo) 52%
USDA Forest Service (Kaibab) 46%

Identified Species:
American Peregrine Falcon Falco peregrinus anatum
Bighorn Sheep Ovis canadensis
Elk Cervus elaphus
Mountain Lion Felis concolor
Mule Deer Odocoileus hemionus

Threats:
Highway (SR 64)
Urbanization
Linkage 14
Valle - Bellemont
Arizona/New Mexico Mountains Ecoregion

County: Coconino
ADOT Engineering District: Flagstaff
ADOT Maintenance: Flagstaff and Williams
AGFD: Region II
BLM: Phoenix District
Council of Government: Flagstaff Metropolitan Planning Organization and Northern Arizona Council of Governments
FHWA Engineering: A2
Legislative District: 1 and 2
Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland 31%
- Petran Montane Conifer Forest 61%
- Plains & Great Basin Grassland 8%

Land Ownership:
- Private Land 18%
- State Trust Land 5%
- USDA Forest Service (Coconino; Kaibab) 77%

Identified Species:
- Allen’s Big-eared Bat Idionycteris phyllotis
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Myotis Myotis occultus
- Black Bear Ursus americanus
- Elk Cervus elaphus
- Fringed Myotis Myotis thysanodes
- Long-eared Myotis Myotis evotis
- Long-legged Myotis Myotis volans
- Mexican Spotted Owl Strix occidentalis lucida
- Mountain Lion Felis concolor

(Continued)
- Mule Deer Odocoileus hemionus
- Navajo Mexican Vole Microtus mexicanus navaho
- Northern Leopard Frog Rana pipiens
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallidus
- Pronghorn Antilocapra americana

Threats:
- Highway (US 180)
- Urbanization

Hydrology:
- Rio de Flag
- Schultz Creek

Linkage 15
Garland – Arizona Divide
Arizona/New Mexico Mountains Ecoregion

County: Coconino
ADOT Engineering District: Flagstaff
ADOT Maintenance: Flagstaff, Little Antelope and Williams
AGFD: Region II
BLM: Phoenix District
Council of Government: Flagstaff Metropolitan Planning Organization and Northern Arizona Council of Governments
FHWA Engineering: A2
Legislative District: 1 and 2
Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland 8%
- Petran Montane Conifer Forest 84%
- Plains & Great Basin Grassland 8%

Land Ownership:
- Military Land (Navajo Army Depot) 8%
- Private Land 26%
- State Trust Land 20%
- USDA Forest Service (Coconino; Kaibab) 46%

Identified Species:
- Arizona Myotis Myotis occultus
- Elk Cervus elaphus
- Fringed Myotis Myotis thysanodes
- Little Colorado Spinedace Lepidomeda vittata
- Long-eared Myotis Myotis evotis
- Long-legged Myotis Myotis volans
- Mexican Spotted Owl Strix occidentalis lucida
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Northern Goshawk Accipiter gentilis
- Northern Leopard Frog Rana pipiens
- Pronghorn Antilocapra americana
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallidus
- Pronghorn Antilocapra americana
- Rio de Flag
- Schultz Creek

(Continued)
Linkage 16
Flagstaff
Arizona/New Mexico Mountains Ecoregion

County: Coconino
ADOT Engineering District: Flagstaff
ADOT Maintenance: Flagstaff and Little Antelope
ADOT Natural Resources Management Section: Flagstaff
AGFD: Region II
BLM: Phoenix District
Congressional District: 1
Council of Government: Flagstaff Metropolitan Planning Organization
FHWA Engineering: A2
Legislative District: 1 and 2

Biotic Communities (Vegetation Types):
Petran Montane Conifer Forest 100%

Land Ownership:
Game and Fish Land 1%
Private Land 85%
State Trust Land 13%
USDA Forest Service (Coconino) 2%

Identified Species:
Allen’s Big-eared Bat Idionycteris phyllotis
Arizona Myotis Myotis occultus
Black Bear Ursus americanus
Elk Cervus elaphus
Fringed Myotis Myotis thysanodes
Gray Fox Urocyon cinereargenteus
Mexican Spotted Owl Strix occidentalis lucida
Northern Goshawk Accipiter gentilis
Riparian Obligates

(Continued)
Linkage 17
Deadman Mesa – Gray Mountain
Arizona/New Mexico Mountains Ecoregion
Colorado Plateau Ecoregion

County: Coconino
ADOT Engineering District: Flagstaff
ADOT Maintenance: Flagstaff and Gray Mountain
ADOT Natural Resources Management Section: Flagstaff
AGFD: Region I and Region II
BLM: Phoenix District
Congressional District: 1
Council of Government: Flagstaff Metropolitan Planning Organization and Northern Arizona Council of Governments
FHWA Engineering: A2

Legislative District: 1 and 2

Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland 16%
- Great Basin Desertsrurb 9%
- Petran Montane Conifer Forest 41%
- Plains & Great Basin Grassland 34%

Land Ownership:
- National Parks Service (Wupatki) 3%
- Private Land 41%
- State Trust Land 15%
- Tribal Land (Navajo) 9%
- USDA Forest Service (Coconino) 32%

Identified Species:
- Black Bear Ursus americanus
- Elk Cervus elaphus
- Mexican Spotted Owl Strix occidentalis lucida
- Mule Deer Odocoileus hemionus
- Northern Goshawk Accipiter gentilis
- Pronghorn Antilocapra americana
- Riparian Obligates

(Identified Species continued)
- Wild Turkey Meleagris gallopavo
- Wupatki Arizona Pocket Mouse Perognathus amplus cineris

Threats:
- Agriculture
- Highway (SR 89)
- Urbanization

Hydrology:
- Deadman Wash
- Hulls Wash
- Rio de Flag

Linkage 18
Black Mountains – Cerbat Mountains
Mohave Desert Ecoregion

County: Mohave
ADOT Engineering District: Kingman
ADOT Maintenance: Kingman
ADOT Natural Resources Management Section: Prescott
AGFD: Region III
BLM: Colorado River District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4

Legislative District: 3

Biotic Communities (Vegetation Types):
- Mohave Desertscrub 58%
- Semidesert Grassland 42%

Land Ownership:
- Bureau of Land Management 37%
- Private Land 46%
- State Trust Land 17%

Identified Species:
- Allen’s Big-eared Bat Idionycteris phyllotis
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Bobcat Lynx rufus
- Desert Rosy Boa Charina trivirgata gracilis
- Greater Western Mastiff Bat Eumops perotis californicus
- Kit Fox Vulpes macrotis
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallezens
- Speckled Rattlesnake Crotalus mitchelli

Mule Deer Odocoileus hemionus
- Northern Goshawk Accipiter gentilis
- Pronghorn Antilocapra americana
- Riparian Obligates
Linkage 19
Mount Perkins – Warm Springs
Mohave Desert Ecoregion

County: Mohave
ADOT Engineering District: Kingman
ADOT Maintenance: Kingman
ADOT Natural Resources Management Section: Prescott
AGFD: Region III
BLM: Colorado River District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3

Biotic Communities (Vegetation Types):
Great Basin Conifer Woodland 5%
Mohave Desertscrub 95%

Land Ownership:
Bureau of Land Management 82%
Private Land 11%
State Trust Land 7%

Identified Species:
Allen’s Big-eared Bat Idionycteris phyllotis
American Peregrine Falcon Falco peregrinus anatum
Arizona Chuckwalla Sauromalus ater
Banded Gila Monster Heloderma suspectum cinctum
Bighorn Sheep Ovis canadensis
Bobcat Lynx rufus
Desert Rosy Boa Charina trivirgata gracilis
Greater Western Mastiff Bat Eumops perotis californicus
Kit Fox Vulpes macrotis
Mountain Lion Felis concolor
Mohave Desert Tortoise Gopherus agassizii
Mule Deer Odocoileus hemionus

Photo by George Jameson

Threats:
Highway (SR 93)
Urbanization

Hydrology:
Big Wash
Sacramento Wash
Tennessee Wash

(Linkage 18: Identified Species continued)
Swainson’s Hawk Buteo swainsoni
Western Burrowing Owl Athene cunicularia hypugaea

Threats:
Highway (SR 93)
Urbanization

Hydrology:
Big Wash
Sacramento Wash
Tennessee Wash

(Linkage 19: Identified Species continued)
Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallecens
Speckled Rattlesnake Crotalus mitchelli
Swainson’s Hawk Buteo swainsoni
Western Burrowing Owl Athene cunicularia hypugaea

Threats:
Burros
Highway (SR 68)
Urbanization

Hydrology:
None Identified

Photo by Mark Freitag
Linkage 20
Hualapai Mountains – Cerbat Mountains
Apache Highlands Ecoregion
Mohave Desert Ecoregion

County: Mohave
ADOT Engineering District: Kingman
ADOT Maintenance: Kingman
ADOT Natural Resources Management Section: Prescott
AGFD: Region III
BLM: Colorado River District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3

Biotic Communities (Vegetation Types):  
- Mohave Desertsclab 24%
- Semidesert Grassland 76%

Land Ownership:  
- Bureau of Land Management 4%
- Game and Fish Land < 1%
- Private Land 86%
- State Trust Land 11%

Identified Species:  
- Allen's Big-eared Bat Idionycteris phyllotis
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Bobcat Lynx rufus
- Desert Rosy Boa Charina trivirgata gracilis
- Golden Eagle Aquila chrysaetos
- Greater Western Mastiff Bat Eumops perotis californicus
- Kit Fox Vulpes macrotis
- Mohave Desert Tortoise Gopherus agassizii
- Mountain Lion Felis concolor

(Linkage 5: Identified Species continued)
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Speckled Rattlesnake Crotalus mitchelli
- Swainson’s Hawk Buteo swainsoni
- Western Burrowing Owl Athene cunicularia hypugaea

Threats:
- Highway (I-40)
- Railroad
- Urbanization

Hydrology:
- None Identified

Photo by Ron Horloff

Linkage 21
I-40 and US 93 – Kingman
Apache Highlands Ecoregion
Sonoran Desert Ecoregion

County: Mohave
ADOT Engineering District: Kingman
ADOT Maintenance: Kingman, Seligman and Wikieup
ADOT Natural Resources Management Section: Prescott
AGFD: Region III
BLM: Colorado River District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3

Biotic Communities (Vegetation Types):  
- AZ Upland Sonoran Desertsclab 10%
- Great Basin Conifer Woodland 41%
- Interior Chaparral 15%
- Semidesert Grassland 34%

Land Ownership:  
- Bureau of Land Management 4%
- Private Land 54%
- State Trust Land 42%
- Tribal Land (Hualapai; Allotments) <1%

Identified Species:  
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Chuckwalla Sauromalus ater
- Arizona Toad Bufo microscaphus
- Banded Gila Monster Heloderma suspectum cinctum
- Chiracahua Leopard Frog Rana chiricahuensis
- Desert Rosy Boa Charina trivirgata gracilis
- Desert Sucker Catostomus clarki
- Elk Cervus elaphus
Section VII Potential Linkage Zones

(Identified Species continued)

- Fringed Myotis Myotis thysanodes
- Gambel’s Quail Callipepla gambelii
- Greater Western Mastiff Bat Eumops perotis californicus
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis
- Longfin Dace Agosia chrysogaster
- Long-legged Myotis Myotis volans
- Lowland Leopard Frog Rana yavapaiensis
- Mohave Desert Tortoise Gopherus agassizii
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Pronghorn Antilocapra americana
- Roundtail Chub Gila robusta
- Sonora Sucker Catostomus insignis
- Swainson’s Hawk Buteo swainsoni
- Western Burrowing Owl Athene cunicularia hypugaeae

Threats:
- Highway (I 40; US 93)
- Urbanization

Hydrology:
- Antelope Wash
- Ash Creek
- Big Sandy River
- Bottleneck Wash
- Cane Springs Wash
- Cottonwood Creek
- East Ash Creek
- Francis Creek
- Frees Wash
- Gonzales Wash
- Hackberry Wash
- Kabba Wash
- Knight Creek
- Lookout Wash
- McGarrys Wash
- McGee Wash
- Moss Wash
- Peacock Wash
- Pearson Falls Wash
- Pilgrim Wash
- Trout Creek
- Truxton Wash
- Tuckaway Wash
- Wheeler Wash
- Willow Creek
- Wright Canyon

(Identified Species continued)

- Black Bear Ursus americanus
- Bobcat Lynx rufus
- Elk Cervus elaphus
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pronghorn Antilocapra americana

Threats:
- Highway (SR 89)
- Railroad
- Urbanization

County: Yavapai

ADOT Engineering District: Kingman and Prescott
ADOT Maintenance: Prescott and Seligman
ADOT Natural Resources Management Section: Prescott

AGFD: Region II and Region III

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 1

Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland 93%
- Plains & Great Basin Grassland 7%

Land Ownership:
- Private Land <1%
- State Trust Land <1%
- USDA Forest Service Land (Kaibab; Prescott) 100%

Identified Species:
- Black Bear Ursus americanus
- Bobcat Lynx rufus
- Elk Cervus elaphus
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pronghorn Antilocapra americana

Threats:
- Highway (SR 89)
- Railroad
- Urbanization

Linkage 22
Big Black Mesa – Hell Canyon
Apache Highlands Ecoregion
Linkage 23
Oak Creek Canyon – Munds Park
Arizona/New Mexico Mountains Ecoregion

County: Mohave and Coconino
ADOT Engineering District: Flagstaff
ADOT Maintenance: Little Antelope
ADOT Natural Resources Management Section: Flagstaff and Prescott
AGFD: Region II
BLM: Phoenix District
Congressional District: 1
Council of Government: Flagstaff Metropolitan Planning Organization and Northern Arizona Council of Governments
FHWA Engineering: A2
Legislative District: 1 and 2

Biotic Communities (Vegetation Types):  
- Great Basin Conifer Woodland: 5%
- Interior Chaparral: 22%
- Petran Montane Conifer Forest: 73%

Land Ownership:  
- Private Land: 12%
- State Trust Land: 3%
- USDA Forest Service (Coconino): 85%

Hydrology:
- Oak Creek
- Pumphouse Wash
- Schoolhouse Draw
- Sinclair Wash
- West Fork Oak Creek
- Woody Wash

Threats:  
- Agriculture
- Highway (I 17)
- Urbanization

Identified Species:  
- Allen’s Big-eared Bat: Idionycteris phyllotis
- American Peregrine Falcon: Falco peregrinus anatum
- Arizona Myotis: Myotis occultus
- Elk: Cervus elaphus
- Black Bear: Ursus americanus
- Gray Fox: Urocyon cinereoargenteus
- Fringed Myotis: Myotis thysanodes
- Long-eared Myotis: Myotis evotis
- Lowland Leopard Frog: Rana yavapaiensis
- Mexican Spotted Owl: Strix occidentalis lucida

Mountain Lion: Felis concolor
Mule Deer: Odocoileus hemionus
Narrow-headed Gartersnake: Thamnophis rufipunctatus
Northern Goshawk: Accipiter gentilis
Northern Leopard Frog: Rana pipiens
Northern Mexican Gartersnake: Thamnophis eques megalops
Pine Grosbeak: Pinicola enucleator
Pronghorn: Antilocapra americana
Speckled Dace: Rhinichthys osculus
Western Small-footed Myotis: Myotis ciliatilabrum
Wild Turkey: Meleagris gallopavo
**Linkage 24**

**Cottonwood - Sedona**
Apache Highlands Ecoregion
Arizona/New Mexico Mountains Ecoregion

County: Yavapai

ADOT Engineering District: Flagstaff and Prescott
ADOT Maintenance: Cordes Junction and Little Antelope
ADOT Natural Resources Management Section: Flagstaff and Prescott

AGFD: Region II and Region III

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A2 and A4

Legislative District: 1

Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland: 43%
- Interior Chaparral: 1%
- Semidesert Grassland: 56%

Land Ownership:
- Game and Fish Land: <1%
- Private Land: 37%
- State Trust Land: 23.5%
- USDA Forest Service (Coconino): 39.5%

Identified Species:
- Arizona Toad *Bufo microscaphus*
- Bald Eagle *Haliaeetus leucocephalus*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Sucker *Catostomus clarkii*
- Gila Chub *Gila robusta*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Longfin Dace *Aogia chrysogaster*
- Mountain Lion *Felis concolor*

**Linkage 25**

**State Route 179**
Apache Highlands Ecoregion
Arizona/New Mexico Mountains Ecoregion

County: Coconino and Yavapai

ADOT Engineering District: Flagstaff and Prescott
ADOT Maintenance: Cordes Junction and Little Antelope
ADOT Natural Resources Management Section: Prescott

AGFD: Region II

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A2 and A4

Legislative District: 1

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub: 9%
- Great Basin Conifer Woodland: 91%

Land Ownership:
- Private Land: 22%
- USDA Forest Service (Coconino): 78%

Identified Species:
- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Toad *Bufo microscaphus*
- Common Black-hawk *Buteogallus anthracinus*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Narrow-headed Gartersnake *Thamnophis rufipunctatus*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Pronghorn Antilocapra americana*
- Roundtail Chub *Gila robusta*
- Sonora Sucker *Catostomus insignis*
- Speckled Dace *Rhinichthys osculus*
(Linkage 25: Identified Species continued)
Terrestrial and Riparian Obligates
Western Yellow-billed Cuckoo Coccyzus americanus occidentalis

Threats:
Highway (SR 179)
Urbanization

Hydrology:
Dry Beaver Creek
Jacks Canyon
Oak Creek

(Linkage 26: Identified Species continued)
Gray Fox Urocyon cinereoargenteus
Fringed Myotis Myotis n Rufinoides
Black Bear Ursus americanus
Long-eared Myotis Myotis evotis
Northern Goshawk Accipiter gentilis
Northern Leopard Frog Rana pipiens
Palo Verde’s Big-eared Bat Myotis californicus
Apache Highlands Ecotone
Arizona/New Mexico Mountain Ecoregions

County: Coconino and Yavapai
ADOT Engineering District: Flagstaff and Prescott
ADOT Maintenance: Cordes Junction and Little Antelope
ADOT Natural Resources Management Section: Flagstaff and Prescott
AGFD: Region II and Region III
BLM: Phoenix District
Congressional District: 1
Council of Government: Northern Arizona Council of Governments
FHWA Engineering: A2 and A4
Legislative District: 1
Biotic Communities (Vegetation Types):
AZ Upland Sonoran Deserts Crub 31%
Great Basin Conifer woodland 51%
Petraon Montane Conifer Forest 14%
Semidesert Grassland 4%
Land Ownership:
National Parks Service (Montezuma Castle) 1%
Private Land 21%
Tribal Land (Yavapai Apache) <1%
USDA Forest Service (Coconino) 78%
Identified Species:
Allen’s Big-eared Bat Idionycteris phyllotis
Arizona Myotis Myotis occidentalis
Black Bear Ursus americanus
Cave Myotis Myotis velifer
Chiracahuana Leopard Frog Rana chiricahuensis
Desert Sucker Catostomus clarki
Elk Cervus elaphus

Threats:
Agriculture
Highway (I 17)
Urbanization

Hydrology:
Beaver Creek
Dry Beaver Creek
Rattlesnake Canyon
Russell Wash
Verde River
Wet Beaver Creek
Linkage 27
Mogollon Rim - Navajo Nation
Arizona/New Mexico Mountains Ecoregion
Colorado Plateau Ecoregion

County: Apache, Coconino and Navajo

ADOT Engineering District: Holbrook, Flagstaff and Globe
ADOT Maintenance: Chambers, Flagstaff, Holbrook, Keams Canyon, Show Low, Springerville, St. Johns and Winslow
ADOT Natural Resources Management Section: Flagstaff

AGFD: Region I and Region II

BLM: Phoenix District and Gila District

Congressional District: 1

Council of Government: Flagstaff Metropolitan Planning Organization and Northern Arizona Council of Governments

FHWA Engineering: A2 and A4

Legislative District: 1, 2 and 5

Biotic Communities (Vegetation Types):
Great Basin Conifer Woodland 21.5%
Great Basin Desertscrub 10%
Petran Montane Conifer Forest 1%
Plains & Great Basin Grassland 67.5%

Land Ownership:
Bureau of Land Management 5%
County Land <1%
Game and Fish Land <1%
Private Land 60%
State Trust Land 34%
Tribal Land (Navajo; Navajo Reservation Trust; Zuni; Indian Allotments) 0.5%
USDA Forest Service (Apache-Sitgreaves; Coconino) 0.5%

Identified Species:
American Peregrine Falcon *Falco peregrinus anatum*
Bald Eagle *Haliaeetus leucocephalus*
Bobcat *Lynx rufus*
Elk *Cervus elaphus*
Gray Catbird *Dumetella carolinensis*
Gray Fox *Urocyon cinereoargenteus*
Gunnison’s Prairie Dog *Cynomys gunnisoni*
Little Colorado Spinedace *Lepidomeda vittata*
Little Colorado Sucker *Catostomus sp.*
Mexican Spotted Owl *Strix occidentalis lucida*
Mountain Plover *Charadrius montanus*
Mule Deer *Odocoileus hemionus*
Navajo Mexican Vole *Microtus mexicanus navaho*
Northern Goshawk *Accipiter gentilis*
Pronghorn *Antilocapra americana*
Roundtail Chub *Gila robusta*
Speckled Dace *Rhinichthys oseulus*
Springerville Pocket Mouse *Perognathus flavus goodpasteri*
Western Yellow-billed Cuckoo *Coccyzus americana*
occidentalis
White-tailed Deer *Odocoileus virginianus*
Wild Turkey *Meleagris gallopavo*

Threats:
Agriculture
Highway (I 40; SR 61; SR 77; SR 87; SR 99; SR 260; SR 277; SR 377; US 180; US 191)
Railroad
Urbanization
Wind Power Generation Proposals

Hydrology:
Alamo Wash
Amity Ditch
Anderson Canyon
Babbitt Wash
Beaver Dam Wash
Big Ditch
Big Hollow Wash

(Continued)

American Peregrine Falcon *Falco peregrinus anatum*
Bald Eagle *Haliaeetus leucocephalus*
Bobcat *Lynx rufus*
Elk *Cervus elaphus*
Gray Catbird *Dumetella carolinensis*
Gray Fox *Urocyon cinereoargenteus*
Gunnison’s Prairie Dog *Cynomys gunnisoni*
Little Colorado Spinedace *Lepidomeda vittata*
Little Colorado Sucker *Catostomus sp.*
Mexican Spotted Owl *Strix occidentalis lucida*
Mountain Plover *Charadrius montanus*
Mule Deer *Odocoileus hemionus*
Navajo Mexican Vole *Microtus mexicanus navaho*
Northern Goshawk *Accipiter gentilis*
Pronghorn *Antilocapra americana*
Roundtail Chub *Gila robusta*
Speckled Dace *Rhinichthys oseulus*
Springerville Pocket Mouse *Perognathus flavus goodpasteri*
Western Yellow-billed Cuckoo *Coccyzus americana*
occidentalis
White-tailed Deer *Odocoileus virginianus*
Wild Turkey *Meleagris gallopavo*

Threats:
Agriculture
Highway (I 40; SR 61; SR 77; SR 87; SR 99; SR 260; SR 277; SR 377; US 180; US 191)
Railroad
Urbanization
Wind Power Generation Proposals

Hydrology:
Alamo Wash
Amity Ditch
Anderson Canyon
Babbitt Wash
Beaver Dam Wash
Big Ditch
Big Hollow Wash

(Continued)
Section VII Potential Linkage Zones

Linkage 27: Hydrology continued

Little Milky Wash
Lyman Ditch
Manila Wash
Mcdonalds Canyon
Mesa Wash
Mexican Hollow Wash
Middle Lyman Ditch
Milky Wash
Mineral Creek
Mineral Ditch
Ninemile Wash
Nutrioso Creek
Oso Draw
Padre Canyon
Phoenix Park Wash
Picnic Creek
Pierce Wash
Pine Springs Wash
Porter Tank Draw
Pueblo Colorado Wash
Puercro River
Pulcifer Creek
Rock Creek
Rocky Arroyo
San Francisco Wash
Sand Draw
Scott Wash
Sears Wash
Sepulveda Creek
Seven Springs Water
Sevenmile Draw
Show Low Creek
Silver Creek
South Fork Little Colorado River
Squaw Wash
Surprise Creek
Tanner Wash
Teds Wash
The Canal
Tucker Flat Wash
Upper Lyman Ditch
Wild Cow Wash
Wildhorse Wash
Wildcat Creek
Yaeger Canyon
Yellow Jacket Canyon
Youngs Canyon
Zuni River

Linkage 28
North – South Petrified Forest
Colorado Plateau Ecoregion

County: Apache
ADOT Engineering District: Holbrook
ADOT Maintenance: Chambers and Holbrook
ADOT Natural Resources Management Section: Flagstaff
AGFD: Region I
BLM: Gila District
Congressional District: 1
Council of Government: Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 2 and 5

Biotic Communities (Vegetation Types):
- Plains & Great Basin Grassland: 100%

Land Ownership:
- Bureau of Land Management: 3%
- National Parks Service (Petrified Forest): 65%
- Private Land: 31%
- State Trust Land: 0.5%
- Tribal Land (Navajo): 0.5%

Identified Species:
- Gunnison’s Prairie Dog Cynomys gunnisoni
- Pronghorn Antilocapra americana

Threats:
- Highway (I 40)
- Railroad
- Urbanization

Hydrology:
- Dead Wash
Linkage 29
Warm Springs – Hualapai Mountains
Mohave Desert Ecoregion

County: Mohave
ADOT Engineering District: Kingman
ADOT Maintenance: Needle Mountain
ADOT Natural Resources Management Section: Prescott
AGFD: Region III
BLM: Colorado River District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3

Biotic Communities (Vegetation Types):
- Mohave Desertscrub: 100%

Land Ownership:
- Bureau of Land Management: 43%
- Private Land: 57%
- State Trust Land: <1%

Identified Species:
- Allen’s Big-eared Bat Idionycteris phyllotis
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracilis
- Greater Western Mastiff Bat Eumops perotis californicus
- Kit Fox Vulpes macrotis
- Mohave Desert Tortoise Gopherus agassizii
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-Eared Bat Corynorhinus townsendii pallescens
- Speckled Rattlesnake Crotalus mitchelli

(Continued)

Threats:
- Highway (I 40)
- Industry
- Urbanization

Hydrology:
- Sacramento Wash
- Walnut Creek

Linkage 30
Warm Springs – Aubrey Peak
Mohave Desert Ecoregion

County: Mohave
ADOT Engineering District: Kingman
ADOT Maintenance: Needle Mountain
ADOT Natural Resources Management Section: Prescott
AGFD: Region III
BLM: Colorado River District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3

Biotic Communities (Vegetation Types):
- Mohave Desertscrub: 100%

Land Ownership:
- Bureau of Land Management: 42%
- Private Land: 58%

Identified Species:
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Bighorn Sheep Ovis canadensis
- Bobcat Lynx rufus
- Desert Rosy Boa Charina trivirgata gracilis
- Greater Western Mastiff Bat Eumops perotis californicus
- Kit Fox Vulpes macrotis
- Mohave Desert Tortoise Gopherus agassizii
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-Eared Bat Corynorhinus townsendii pallescens
- Speckled Rattlesnake Crotalus mitchelli
Linkage 31
The Needles – Mohave Mountains
Arizona/New Mexico Mountains Ecoregion
Mohave Desert Ecoregion

County: Mohave
ADOT Engineering District: Kingman
ADOT Maintenance: Needle Mountain
ADOT Natural Resources Management Section: Prescott
AGFD: Region III and IV
BLM: Colorado River District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3
Biotic Communities (Vegetation Types):
  Lower Colorado River Sonoran Deserts  scrub  100%
Land Ownership:
  Bureau of Land Management  39%
  Private Land  15%
  State Trust Land  45%
  Wildlife Refuge (Havasu)  1%
Identified Species:
  American Peregrine Falcon Falco peregrinus anatum
  Arizona Chuckwalla Sauromalus ater
  Banded Gila Monster Heloderma suspectum cinctum
  Big Free-tailed Bat Nyctinomops macrotus
  Bighorn Sheep Ovis canadensis
  Bobcat Lynx rufus
  California Leaf-Nosed Bat Macrotus californicus
  Cave Myotis Myotis velifer
  Desert Rosy Boa Charina trivirgata gracilis
  Flannelmouth Sucker Catostomus latipinnis
  Fringed Myotis Myotis thysanodes
  Greater Western Mastiff Bat Eumops perotis californicus

Threats:
  Burros
  Highway (I 40)
  Railroad
  Urbanization

Hydrology:
  Buck Mountain Wash
  Franconia Wash
  Sacramento Wash

Photo by Peter LaTourrette

Linkage 31: Identified Species continued
Kit Fox Vulpes macrotis
Long-legged Myotis Myotis volans
Mohave Desert Tortoise Gopherus agassizii
Mountain Lion Felis concolor
Mule Deer Odocoleus hemionus
Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallidus
Pocketed Free-tailed Bat Nyctinomops femorosacculus
Sonoran Desert Tortoise Gopherus agassizii
Speckled Rattlesnake Crotalus mitchelli
Swainson’s Hawk Buteo swainsoni
Western Burrowing Owl Athene cunicularia hypugaea
Yuma Clapper Rail Rallus longirostris yumanensis
Yuma Myotis Myotis yumanensis

Threats:
  Highway (SR 95)
  Urbanization

Hydrology:
  Falls Springs Wash
  Neptune Wash

Photo by Dr. J. Scott Altenbach
Linkage 32
Bill Williams – Aubrey Hills
Sonoran Desert Ecoregion

County: Mohave
ADOT Engineering District: Kingman
ADOT Maintenance: Needle Mountain
ADOT Natural Resources Management Section: Prescott
AGFD: Region III and Region IV
BLM: Colorado River District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3

Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertsrub 100%

Land Ownership:
- Bureau of Land Management 91%
- Private Land 1%
- State Trust Land 8%

Identified Species:
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- Bobcat Lynx rufus
- California Leaf-Nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracia
- Fringed Myotis Myotis thysanodes
- Greater Western Mastiff Bat Eumops perotis californicus
- Kit Fox Vulpes macrotis
- Long-legged Myotis Myotis volans
- Mohave Desert Tortoise Gopherus agassizii

(Continued)
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallidus
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Speckled Rattlesnake Crotalus mitchelli
- Swainson’s Hawk Buteo swainsoni
- Western Burrowing Owl Athene cunicularia hypugaea
- Yuma Myotis Myotis yumanensis

Threats:
- Highway (SR 95)
- Urbanization
- River Trail System

Hydrology:
- Standard Wash

Photo by Ron Horloff

Linkage 33
Hualapai Mountains - Bagdad
Apache Highlands Ecoregion
Sonoran Desert Ecoregion

County: Mohave and Yavapai
ADOT Engineering District: Kingman
ADOT Maintenance: Wikieup
ADOT Natural Resources Management Section: Prescott
AGFD: Region III
BLM: Colorado River District
Congressional District: 1and 2
Council of Government: Northern Arizona Council of Governments and Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3 and 4

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub 95.5%
- Great Basin Conifer Woodland 4%
- Semidesert Grassland 0.5%

Land Ownership:
- Bureau of Land Management 63%
- Private Land 37%

Identified Species:
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Chuckwalla Sauromalus ater
- Arizona Toad Bufo microscaphus
- Banded Gila Monster Heloderma suspectum cinctum
- Bobcat Lynx rufus
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Common Black-hawk Buteogallus anthracinus
- Desert Rosy Boa Charina trivirgata gracia
Linkage 34
Tres Alamos Wilderness – Prescott National Forest
Apache Highlands Ecoregion
Sonoran Desert Ecoregion

County: Yavapai
ADOT Engineering District: Prescott and Kingman
ADOT Maintenance: Prescott, Wickenburg and Wikieup
ADOT Natural Resources Management Section: Prescott
AGFD: Region III, Region IV and Region VI
BLM: Colorado River District and Phoenix District
Congressional District: 1
Council of Government: Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 1 and 4

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub: 25%
- Interior Chaparral: 53%
- Mohave Desertscrub: 7%
- Semidesert Grassland: 15%

Land Ownership:
- Bureau of Land Management: 4%
- Private Land: 23%
- State Trust Land: 73%

Identified Species:
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Chuckwalla Sauromalus ater
- Arizona Myotis Myotis occultus
- Arizona Night Lizard Xantusia arizonae
- Arizona Toad Bufo microscaphus
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotis

Threats:
- Highway (US 93)
- Urbanization

Hydrology:
- Big Sandy River
- Bitter Creek
- Black Canyon
- Box Canyon Wash
- Bronco Creek
- Burro Creek
- Gray Wash
- Kaiser Spring Canyon
- Natural Corrals Wash
- Placitas Creek

(Continued)

Threats:
- Highway (SR 97; SR 96; US 93)
- Railroad
- Urbanization
(Linkage 34: Hydrology continued)

Alkali Wash
Ally Wash
Antelope Creek
Arrastre Creek
Ash Creek
Big Shipp Wash
Black Canyon Wash
Blackwater Creek
Bland Creek
Blind Indian Creek
Bridle Creek
Copper Basin Wash
Cottonwood Canyon
Cottonwood Creek
Date Creek
East Antelope Creek
Eastwood Creek
Finch Wash
Hassayampa River
Iron Spring Wash
Kirkland Creek
Lawler Creek
Little Shipp Wash
Little Sycamore Creek
Loco Creek
Logan Wash
Martinez Wash
Mescal Creek
Milk Creek
Miller Creek
Minnehaha Creek
Model Creek
Moonville Creek
North Fork Date Creek
Placeritas Creek
Poplar Wash
Quail Spring Wash
Ritter Creek
Santa Maria River
Sheppard Wash
Skull Valley Wash

(Linkage 35: East – West Prescott National Forest)

County: Yavapai
ADOT Engineering District: Prescott
ADOT Maintenance: Cordes Junction
ADOT Natural Resources Management Section: Prescott
AGFD: Region II and Region III
BLM: Phoenix District
Congressional District: 1
Council of Government: Central Yavapai Metropolitan planning Organization and Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 1 and 4

Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland: 31%
- Interior Chaparral: 10%
- Petran Montane Conifer Forest: 3%
- Plains & Great Basin Grassland: 49%
- Semidesert Grassland: 7%

Land Ownership:
- Bureau of Land Management: 3%
- Private Land: 67%
- State Land Trust: 30%

Identified Species:
- American Peregrine Falcon Falco peregrinus anatum
- American Redstart Setophaga ruticilla
- Arizona Toad Bufo microscaphus
- Bald Eagle Haliaeetus leucocephalus
- Desert Sucker Catostomus clarki
- Elk Cervus elaphus
- Fringed Myotis Myotis thysanodes
- Gambel’s Quail Callipepla gambelii
(Linkage 35: Identified Species continued)
Javelina *Tayassu tajacu*
Longfin Dace *Agosia chrysogaster*
Lowland Leopard Frog *Rana yavapaiensis*
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus hemionus*
Northern Goshawk *Accipiter gentilis*
Pronghorn Antilocapra americana
Razorback Sucker *Xyrauchen texanus*
Roundtail Chub *Gila robusta*
Sonora Sucker *Catostomus insignis*
Western Yellow-billed Cuckoo *Coccyzus americanus*
*Occidentalis*

Threats:
- Highway (SR 69; SR 89; SR 89A)
- Urbanization

Hydrology:
- Aquafria River
- Aspen Creek
- Bannon Creek
- Big Bug Creek
- Big Chino Wash
- Bottleneck Wash
- Brushy Wash
- Butte Creek
- Butte Wash
- Chaparral Gulch Arroyo
- Clipper Wash
- Cooper Wash
- Coyote Spring
- Coyote Wash
- Dillon Wash
- Granite Creek
- Hackberry Creek
- Hitt Wash
- Horse Wash
- Little Chino Wash
- Lynx Creek
- Manzanita Creek
- Martin Canyon

(Export 35: Hydrology continued)
- Miller Creek
- Mint Wash
- Mud Tank Wash
- Spence Creek
- Strickland Wash
- Verde River
- Williamson Valley Wash
- Willow Creek
- Yarber Wash

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**Linkage 36**

**Yeager Canyon – Camp Verde**

*Apache Highlands Ecoregion*

**County:** Yavapai

**ADOT Engineering District:** Prescott and Flagstaff

**ADOT Maintenance:** Cordes Junction, Little Antelope and Prescott

**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region II and Region III

**BLM:** Phoenix District

**Congressional District:** 1

**Council of Government:** Central Yavapai Metropolitan Planning Organization and Northern Arizona Council of Governments

**FHWA Engineering:** A2 and A4

**Legislative District:** 1

**Biotic Communities (Vegetation Types):**
- Great Basin Conifer Woodland 0.2%
- Interior Chaparral 18.7%
- Petran Montane Conifer Forest 6.7%
- Plains & Great Basin Grassland 3.1%
- Semidesert Grassland 71.3%

**Land Ownership:**
- Private Land 65%
- State Trust Land 6%
- Tribal Land (Yavapai) 1%
- USDA Forest Service (Coconino, Prescott) 28%

**Identified Species:**
- Arizona Myotis *Myotis occultus*
- Bald Eagle *Haliaeetus leucocephalus*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Sucker *Catostomus clarki*
- Elk *Cervus elaphus*
- Fringed Myotis *Myotis thysanodes*
- Gambel’s Quail *Callipepla gambelii*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
Section VII Potential Linkage Zones

(Identification 36: Identified Species continued)
Javelina Tayassu tajacu
Longfin Dace Agosia chrysogaster
Lowland Leopard Frog Rana yavapaiensis
Mule Deer Odocoileus hemionus
Northern Goshawk Accipiter gentilis
Northern Mexican Gartersnake Thamnophis eques megalops
Pronghorn Antilocapra americana
Ringtail Bassariscus astutus
Riparian Obligates
Roundtail Chub Gila robusta
Sonora Sucker Catostomus insignis
Southwestern Willow Flycatcher Empidonax traillii extimus
Western Yellow-billed Cuckoo Coccyzus americanus occidentalis

Threats:
- Highway (SR 89A)
- Railroad
- Urbanization

Hydrology:
- Bitter Creek
- Blowout Creek
- Cherry Creek
- Grandpa Wash
- Grief Hill Wash
- Martin Canyon
- Oak Wash
- Verde River
- Walnut Creek

(Identification 37: Identified Species continued)
Western Yellow-billed Cuckoo Coccyzus americanus occidentalis

Threats:
- Highway (I 17)
- Urbanization

Hydrology:
- Ash Creek
- Ciencemila Creek
- Dry Creek
- Osborne Spring Wash

County: Yavapai
ADOT Engineering District: Prescott
ADOT Maintenance: Cordes Junction
ADOT Natural Resources Management Section: Prescott
AGFD: Region III and Region VI
BLM: Phoenix District
Congressional District: 1
Council of Government: Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 1 and 4
Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland: 21%
- Semidesert Grassland: 79%
Land Ownership:
- Private Land: 12%
- State Trust Land: 2%
- USDA Forest Service (Prescott): 88%
Identified Species:
- Bobcat Lynx rufus
- Desert Sucker Catostomus clarki
- Elk Cervus elaphus
- Gambel’s Quail Callipepla gambelii
- Gila Topminnow Poeciliopsis occidentalis occidentalis
- Javelina Tayassu tajacu
- Longfin Dace Agosia chrysogaster
- Lowland Leopard Frog Rana yavapaiensis
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pronghorn Antilocapra americana
- Speckled Dace Rhinichthys osculus

Linkage 37
North - South Black Hills
Apache Highlands Ecoregion
Linkage 38
Bradshaw Mountains – Agua Fria National Monument
Apache Highlands Ecoregion
Sonoran Desert Ecoregion

County: Yavapai

ADOT Engineering District: Prescott
ADOT Maintenance: Cordes Junction
ADOT Natural Resources Management Section: Prescott

AGFD: Region III and Region VI

BLM: Phoenix District

Congressional District: 1

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 4

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 47%
- Semidesert Grassland 53%

Land Ownership:
- Bureau of Land Management 100%

Identified Species:
- Arizona Toad *Bufo microscaphus*
- Bobcat *Lynx rufus*
- Desert Sucker *Catostomus clarki*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Javelina *Tayassu tajacu*
- Longfin Dace *Agosia chrysogaster*
- Lowland Leopard Frog *Rana yavapaiensis*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Pronghorn *Antilocapra americana*

(Linkage 38: continued)

Threats:
- Highway (I 17)
- Urbanization

Hydrology:
- Badger Spring Wash
- Bumble Bee Creek

Linkage 39
SR 260 West from I-17 to SR 87
Apache Highlands Ecoregion
Arizona/New Mexico Mountains Ecoregion

County: Coconino, Gila and Yavapai

ADOT Engineering District: Prescott
ADOT Maintenance: Cordes Junction and Payson
ADOT Natural Resources Management Section: Prescott

AGFD: Region II, Region III and Region VI

BLM: Gila District and Phoenix District

Congressional District: 1

Council of Government: Central Arizona Council of Governments and Northern Arizona Council of Governments

FHWA Engineering: A4

Legislative District: 1 and 5

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 5.5%
- Great Basin Conifer Woodland 25.6%
- Interior Chaparral 25%
- Petran Montane Conifer Forest 23.7%
- Semidesert Grassland 20.2%

Land Ownership:
- Private Land 20%
- State Trust Land <1%
- USDA Forest Service (Coconino, Prescott, Tonto) 80%

Identified Species:
- American Peregrine Falcon *Falco peregrinus anatum*
- Arizona Toad *Bufo microscaphus*
- Bald Eagle *Haliaeetus leucocephalus*
- Black Bear *Ursus americanus*
- Chiracahua Leopard Frog *Rana chiricahuensis*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Sucker *Catostomus clarki*
- Elk *Cervus elaphus*
Linkage 40
East – West Mogollon Plateau
Arizona/New Mexico Mountains Ecoregion

County: Coconino
ADOT Engineering District: Holbrook and Prescott
ADOT Maintenance: Payson and Winslow
ADOT Natural Resources Management Section: Flagstaff and Prescott
AGFD: Region II
BLM: Phoenix District
Congressional District: 1
Council of Government: Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 1
Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland: 14%
- Petran Montane Conifer Forest: 85%
- Plains & Great Basin Grassland: 1%
Land Ownership:
- Private Land: 92%
- USDA Forest Service (Coconino): 8%
Identified Species:
- American Peregrine Falcon Falco peregrinus anatum
- Black Bear Ursus americanus
- Elk Cervus elaphus
- Little Colorado Spinedace Lepidomeda vittata
- Little Colorado Sucker Catostomus sp. 3
- Mexican Spotted Owl Strix occidentalis lucida
- Mule Deer Odocoleus hemionus
- Northern Goshawk Accipiter gentilis
- Northern Leopard Frog Rana yavapaiensis
- Pronghorn Antilocapra americana
- Speckled Dace Rhinichthys osculus

Threats:
- Highway (SR 260; SR 87)
- Urbanization

Hydrology:
- Beaver Creek
- Cherry Creek
- Corduroy Wash
- Fossil Creek
- Gaddis Wash
- Horse Tank Wash
- Pine Creek
- Strawberry Creek
- Sycamore Creek
- Verde River
- West Clear Creek
- Wickiup Creek

(Links 39: Identified Species continued)
- Longfin Dace Agosia chrysogaster
- Lowland Leopard Frog Rana yavapaiensis
- Mountain Lion Felis concolor
- Mule Deer Odocoleus hemionus
- Mexican Spotted Owl Strix occidentalis lucida
- Northern Goshawk Accipiter gentilis
- Northern Mexican Gartersnake Thamnophis eques megalops
- Pronghorn Antilocapra americana
- Roundtail Chub Gila robusta
- Sonora Sucker Catostomus insignis
- Southwestern Willow Flycatcher Empidonax traillii extimus
- Speckled Dace Rhinichthys osculus
- Spikedace Meda fulgida
- Western Yellow-billed Cuckoo Coccynus americanus occidentalis

(Links 40: Identified Species continued)
- Mexican Spotted Owl Strix occidentalis lucida
- Northern Mule Deer Cervus elaphus
- Roundtail Curlew Numenius dominicus
- Southwestern Willow Flycatcher Empidonax traillii extimus
- Speckled Dace Rhinichthys osculus

- Wild Turkey Meleagris gallopavo

Threats:
- Highway (SR 87)
- Recreation
- Urbanization

Hydrology:
- Clear Creek
- Clover Creek
- Jacks Canyon
- Pine Valley Road
Section VII Potential Linkage Zones

Linkage 41
SR 260 Payson – Heber
Apache Highlands Ecoregion
Arizona/New Mexico Mountains Ecoregion

County: Coconino, Gila and Navajo
ADOT Engineering District: Prescott
ADOT Maintenance: Payson
ADOT Natural Resources Management Section: Phoenix
AGFD: Region I and Region VI
BLM: Gila District and Phoenix District
Congressional District: 1
Council of Government: Central Arizona Council of Governments and Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 1 and 5
Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland 5%
- Interior Chaparral 19%
- Petran Montane Conifer Forest 76%
Land Ownership:
- Private Land 8%
- USDA Forest Service (Apache-Sitgreaves; Tonto) 92%
Identified Species:
- Allen’s Big-eared Bat Idionycteris phyllotis
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Myotis Myotis occultus
- Arizona Toad Bufo microscaphus
- Bighorn Sheep Ovis canadensis
- Black Bear Ursus americanus
- Common Black-hawk Buteogallus anthracinus
- Desert Sucker Catoctomus clarki
- Elk Cervus elaphus
- Fringed Myotis Myotis thysanodes

(Linked 41: Identified Species continued)
- Javelina Tayassu tajacu
- Long-eared Myotis Myotis evotis
- Longfin Dace Agosia chrysogaster
- Mexican Spotted Owl Strix occidentalis lucida
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Narrow-headed Gartersnake Thamnophis rufipunctatus
- Northern Goshawk Accipiter gentilis
- Northern Leopard Frog Rana yavapaiensis
- Speckled Dace Rhinichthys osculus
- Tassel-eared Squirrel Sciurus aberti
- White-tailed Deer Odocoileus virginianus
- Wild Turkey Meleagris gallopavo

Threats:
- Highway (SR 260)
- Urbanization

Hydrology:
- Brookbank Canyon
- Canyon Creek
- Chevelon Canyon
- Christopher Creek
- East Fork Canyon Creek
- Green Valley Creek
- Horton Creek
- Houston Creek
- Hunter Creek
- Mule Creek
- Sharp Creek
- Spring creek
- Stewart Creek
- Tonto Creek
- Wildcat Canyon

Linkage 42
Aripine – Cibecue
Arizona/New Mexico Mountains Ecoregion

County: Navajo
ADOT Engineering District: Globe
ADOT Maintenance: Show Low
ADOT Natural Resources Management Section: Flagstaff
AGFD: Region I
BLM: Gila District
Congressional District: 1
Council of Government: Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 5
Biotic Communities (Vegetation Types):
- Great Basin Conifer Woodland 66%
- Petran Montane Conifer Forest 34%
Land Ownership:
- Private Land 15%
- USDA Forest Service (Apache-Sitgreaves) 85%
Identified Species:
- Black Bear Ursus americanus
- Bobcat Lynx rufus
- Elk Cervus elaphus
- Javelina Tayassu tajacu
- Mule Deer Odocoileus hemionus
- Northern Goshawk Accipiter gentilis
- Tassel-eared Squirrel Sciurus aberti
- White-tailed Deer Odocoileus virginianus
- Wild Turkey Meleagris gallopavo

Threats:
- Grazing
Linkage 43  
**Parker Valley – Cactus Plain**  
Sonoran Desert Ecoregion

County: La Paz  
ADOT Engineering District: Yuma  
ADOT Maintenance: Quartzsite  
ADOT Natural Resources Management Section: Prescott  
AGFD: Region IV  
BLM: Colorado River District  
Congressional District: 7  
Council of Government: Western Arizona Council of Governments  
FHWA Engineering: A3  
Legislative District: 3 and 24  

**Biotic Communities (Vegetation Types):**  
- Lower Colorado River Sonoran Desertscrub: 100%  

**Land Ownership:**  
- Bureau of Land Management: 18%  
- Private Land: 3%  
- State Trust Land: 15%  
- Tribal Land (Colorado River Indian): 64%  

**Identified Species:**  
- Arizona Chuckwalla Sauromalus ater  
- Banded Gila Monster Heloderma suspectum cinctum  
- Bald Eagle Haliaeetus leucocephalus  
- Big Free-tailed Bat Nyctinomops macrotis  
- Bighorn Sheep Ovis canadensis  
- California Leaf-nosed Bat Eumops perotis californicus  
- Cave Myotis Myotis velifer  
- Greater Western Mastiff Bat Eumops perotis californicus  
- Long-legged Myotis Myotis volans  
- Mojave Fringe-toed Lizard Uma scoparia  
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens  
- Pocketed Free-tailed Bat Nyctinomops femorosaccus

**Threats:**  
- Burros  
- Highway (SR 95) Railroad  
- Urbanization

**Hydrology:**  
- Bouse Wash
### Linkage 44

**Cactus Plain – Plomosa Mountains**  
Sonoran Desert Ecoregion

| County: | La Paz |
| ADOT Engineering District: | Yuma |
| ADOT Maintenance: | Quartzsite |
| ADOT Natural Resources Management Section: | Prescott |
| AGFD: | Region IV |
| BLM: | Colorado River District |
| Congressional District: | 7 |
| Council of Government: | Western Arizona Council of Governments |
| FHWA Engineering: | A3 |
| Legislative District: | 3 |

#### Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertsrub: 100%

#### Land Ownership:
- Bureau of Land Management: 100%

#### Identified Species:
- Arizona Chuckwalla: *Sauromalus ater*
- Bald Eagle: *Haliaeetus leucocephalus*
- Banded Gila Monster: *Heloderma suspectum cinctum*
- Big Free-tailed Bat: *Nyctinomops macrotis*
- Big Horn Sheep: *Ovis canadensis*
- California Leaf-nosed Bat: *Macrotus californicus*
- Cave Myotis: *Myotis velifer*
- Greater Western Mastiff: *Eumops perotis californicus*
- Greater Banded Gila Monster: *Heloderma suspectum cinctum*
- Long-legged Myotis: *Myotis volans*
- Mojave Fringe-toed Lizard: *Uma scoparia*
- Mountain Lion: *Felis concolor*
- Pale Townsend’s Big-eared Bat: *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat: *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise: *Gopherus agassizii*
- Southwest Willow Flycatcher: *Empidonax traillii extimus*

#### Threats:
- Highway (SR 72)
- Railroad
- Urbanization

#### Hydrology:
- Bouse Wash

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### Linkage 45

**La Posa Plain**  
Sonoran Desert Ecoregion

| County: | La Paz |
| ADOT Engineering District: | Yuma |
| ADOT Maintenance: | Quartzsite |
| ADOT Natural Resources Management Section: | Prescott |
| AGFD: | Region IV |
| BLM: | Colorado River District |
| Congressional District: | 7 |
| Council of Government: | Western Arizona Council of Governments |
| FHWA Engineering: | A3 |
| Legislative District: | 3 |

#### Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertsrub: 100%

#### Land Ownership:
- Bureau of Land Management: 50%
- State Trust Land: 50%

#### Identified Species:
- Arizona Chuckwalla: *Sauromalus ater*
- Banded Gila Monster: *Heloderma suspectum cinctum*
- Big Free-tailed Bat: *Nyctinomops macrotis*
- Big Horn Sheep: *Ovis canadensis*
- California Leaf-nosed Bat: *Macrotus californicus*
- Cave Myotis: *Myotis velifer*
- Greater Western Mastiff: *Eumops perotis californicus*
- Long-legged Myotis: *Myotis volans*
- Mojave Fringe-toed Lizard: *Uma scoparia*
- Pale Townsend’s Big-eared Bat: *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat: *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise: *Gopherus agassizii*
- Yuma Myotis: *Myotis yumanensis*
Linkage 46
Buckskin Mountains – Harcuvar Mountains
Sonoran Desert EcoRegion

County: La Paz
ADOT Engineering District: Kingman
ADOT Maintenance: Wikieup
ADOT Natural Resources Management Section: Prescott
AGFD: Region IV
BLM: Colorado River District
Congressional District: 2 and 7
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub 1%
- Lower Colorado River Sonoran Desertscrub 99%

Land Ownership:
- Bureau of Land Management 99%
- State Trust Land 1%

Identified Species:
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotis
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracilis
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallidus
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii

Threats:
- Border Security
- Hydrology: None identified
- Roadway (Alamo Road)
- Urbanization
- Cunningham Wash

(Linkage 46: Identified Species continued)

Yuma Myotis Myotis yumanensis
**Linkage 47**  
**Dome Rock Mountains**  
Sonoran Desert Ecoregion

**County:** La Paz  
**ADOT Engineering District:** Yuma  
**ADOT Maintenance:** Quartzsite  
**ADOT Natural Resources Management Section:** Phoenix and Prescott  
**AGFD:** Region IV  
**BLM:** Colorado River District  
**Congressional District:** 7  
**Council of Government:** Western Arizona Council of Governments  
**FHWA Engineering:** A3  
**Legislative District:** 3 and 24  

**Biotic Communities (Vegetation Types):**  
Lower Colorado River Sonoran Desertsrub 100%  

**Land Ownership:**  
- Bureau of Land Management 88%  
- State Trust Land 12%  

**Identified Species:**  
- Arizona Chuckwalla *Sauromalus ater*  
- Banded Gila Monster *Heloderma suspectum cinctum*  
- Big Free-tailed Bat *Nyctinomops macrotis*  
- Bighorn Sheep *Ovis canadensis*  
- California Leaf-nosed Bat *Macrotus californicus*  
- Cave Myotis *Myotis velifer*  
- Greater Western Mastiff Bat *Eumops perotis californicus*  
- Long-legged Myotis *Myotis volans*  
- Pale Townsend’s Big-eared Bat *Corynorhinus townsendii pallescens*  
- Pocketed Free-tailed Bat *Nyctinomops femosoraccus*  
- Sonoran Desert Tortoise *Gopherus agassizii*  
- Yuma Myotis *Myotis yumanensis*  

**(Linkage 47: continued)**  
**Threats:**  
- Border Security  
- Highway (I 10)  
- Urbanization  

**Hydrology:**  
None identified

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**Photo by Dr. J. Scott Altenbach**

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**Linkage 48**  
**Ranegras Plain**  
Sonoran Desert Ecoregion

**County:** La Paz  
**ADOT Engineering District:** Yuma  
**ADOT Maintenance:** Quartzsite  
**ADOT Natural Resources Management Section:** Prescott  
**AGFD:** Region IV  
**BLM:** Colorado River District  
**Congressional District:** 7  
**Council of Government:** Western Arizona Council of Governments  
**FHWA Engineering:** A3  
**Legislative District:** 3 and 24  

**Biotic Communities (Vegetation Types):**  
- AZ Upland Sonoran Desertsrub 34%  
- Lower Colorado River Sonoran Desertsrub 66%  

**Land Ownership:**  
- Bureau of Land Management 97%  
- Private Land 3%  

**Identified Species:**  
- Arizona Chuckwalla *Sauromalus ater*  
- Banded Gila Monster *Heloderma suspectum cinctum*  
- Big Free-tailed Bat *Nyctinomops macrotis*  
- Bighorn Sheep *Ovis canadensis*  
- California Leaf-nosed Bat *Macrotus californicus*  
- Cave Myotis *Myotis velifer*  
- Greater Western Mastiff Bat *Eumops perotis californicus*  
- Javelina *Tayassu tajacu*  
- Long-legged Myotis *Myotis volans*  
- Mountain Lion *Felis concolor*  
- Pale Townsend’s Big-eared Bat *Corynorhinus townsendii pallescens*  
- Pocketed Free-tailed Bat *Nyctinomops femosoraccus*  
- Sonoran Desert Tortoise *Gopherus agassizii*
Linkage 49
Granite Wash – Little Harquahala Mountains
Sonoran Desert Ecotone

County: La Paz
ADOT Engineering District: Prescott and Yuma
ADOT Maintenance: Quartzsite and Wickenburg
ADOT Natural Resources Management Section: Prescott

AGFD: Region IV
BLM: Colorado River District
Congressional District: 7
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A3 and A4
Legislative District: 3 and 24

Biotic Communities (Vegetation Types):
AZ Upland Sonoran Desertscrub 45%
Lower Colorado River Sonoran Desertscrub 55%

Land Ownership:
Bureau of Land Management 72%
Private Land 20%
State Trust Land 8%

Identified Species:
Arizona Chuckwalla Sauromalus ater
Banded Gila Monster Heloderma suspectum cinctum
Big Free-tailed Bat Nyctinomops macrotus
Bighorn Sheep Ovis canadensis
California Leaf-nosed Bat Macrotaus Californicus
Cave Myotis Myotis velifer
Desert Rosy Boa Charina trivirgata gracil
Greater Western Mastiff Bat Eumops perotis californicus
Long-legged Myotis Myotis volans
Mountain Lion Felis concolor
Mule Deer Odocoileus hemionus
Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens

Photo by Bill & Shirley Freeman

Threats:
Border Security
Highway (I 10; US 60)
Urbanization

Hydrology:
None Identified

(Linkage 49: Identified Species continued)
Pocketed Free-tailed Bat Nyctinomops femorosaccus
Sonoran Desert Tortoise Gopherus agassizii
Yuma Myotis Myotis yumanensis

Threats:
Highway (SR 72; US 60)
Railroad
Urbanization

Hydrology:
None Identified
Section VII Potential Linkage Zones

Linkage 50
Harquvar Mountains – Harquahala Mountains
Sonoran Desert Ecoregion

County: La Paz, Maricopa and Yavapai
ADOT Engineering District: Prescott
ADOT Maintenance: Wickenburg
ADOT Natural Resources Management Section: Prescott
AGFD: Region IV
BLM: Colorado River District and Phoenix District
Congressional District: 1, 2 and 7
Council of Government: Maricopa Association of Governments, Northern Arizona Council of Governments and Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3, 4 and 24

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub: 5%
- Lower Colorado River Sonoran Desertscrub: 95%

Land Ownership:
- Bureau of Land Management: 17%
- Private Land: 19%
- State Trust Land: 64%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Lowland Leopard Frog Rana yavapaiensis
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii palleoscent
- Pocketed Free-tailed Bat Nyctinomops femorosaccus

(Deer Species continued)
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Myotis Myotis yumanensis

Threats:
- Highway (US 60)
- Railroad
- Urbanization

Hydrology:
- Centennial Wash

Linkage 51
Wickenburg
Sonoran Desert Ecoregion

County: Maricopa and Yavapai
ADOT Engineering District: Prescott
ADOT Maintenance: Wickenburg
ADOT Natural Resources Management Section: Prescott
AGFD: Region IV and Region VI
BLM: Phoenix District
Congressional District: 1 and 2
Council of Government: Maricopa Association of Governments and Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 4

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub: 94.5%
- Lower Colorado River Sonoran Desertscrub: 5%
- Semidesert Grassland: 0.5%

Land Ownership:
- Bureau of Land Management: 4%
- Private Land: 38%
- State Trust Land: 58%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Arizona Skink Eumeceus gilberti arizonensis
- Arizona Toad Bufo microscaphus
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotis
- Bighorn Sheep Ovis canadensis
- Bobcat Lynx rufus
- Bonytail Gila elegans
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
Section VII Potential Linkage Zones

Identified Species (continued)

Common Black-hawk *Buteogallus anthracinus*
Greater Western Mastiff Bat *Eumops perotis californicus*
Desert Pupfish *Cyprinodon macularius*
Gila Topminnow *Poeciliopsis occidentalis occidentalis*
Javelina *Tayassu tajacu*
Longfin Dace *Agosia chrysogaster*
Lowland Leopard Frog *Rana yavapaiensis*
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus hemionus*

Pale Townsend’s Big-eared Bat *Corynorhinus townsendii pallecosens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Snowy Egret *Egretta thula*
Sonoran Desert Tortoise *Gopherus agassizii*
Southwestern Willow Flycatcher *Empidona texanii extimus*
Razorback Sucker *Xyrauchen texanus*
Western Red Bat *Lasiurus blossevillii*
Western Yellow Bat *Lasiurus xanthinus*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
Yuma Myotis *Myotis yumanensis*

Threats:
Highway (SR 89; US 60; US 93)
Railroad
Urbanization

Hydrology:
Antelope Creek
Blue Tank Wash
Box Wash
Calamity Wash
Cemetery Wash
Daggs Wash
Flying E Wash
Hartman Wash
Hassayampa River
Jimmie Wash
Little San Domingo Wash
Martinez Wash

Hydrology (continued)

Mill Wash
Mockingbird Wash
Monarch Wash
Ox Wash
San Domingo Wash
Sols Wash
Star Wash
Syndicate Wash
Triby Wash
Turtleback Wash

Linkage 52
Hassayampa River – Red Picacho
Sonoran Desert Ecoregion

County: Maricopa and Yavapai
ADOT Engineering District: Prescott
ADOT Maintenance: Wickenburg
ADOT Natural Resources Management Section: Phoenix and Prescott
AGFD: Region VI
BLM: Phoenix District
Congressional District: 1 and 2
Council of Government: Maricopa Association of Governments and Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 4

Biological Communities (Vegetation Types):
AZ Upland Sonoran Desertscrib 100%

Land Ownership:
Private Land 4%
State Trust Land 96%

Identified Species:
Arizona Chuckwalla *Sauromalus ater*
Banded Gila Monster *Heloderma suspectum cinctum*
Big Free-tailed Bat *Nyctinomops femorosaccus*
Bighorn Sheep *Ovis canadensis*
California Leaf-nosed Bat *Macrotus californicus*
Cave Myotis *Myotis velifer*
Greater Western Mastiff Bat *Eumops perotis californicus*
Long-legged Myotis *Myotis volans*
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus hemionus*
Pale Townsend’s Big-eared Bat *Corynorhinus townsendii pallecosens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Linkage 53
North – South Mazatzal Mountains
Apache Highlands Ecoregion

County: Gila and Maricopa
ADOT Engineering District: Phoenix Maintenance and Prescott
ADOT Maintenance: Mesa and Payson
ADOT Natural Resources Management Section: Phoenix
AGFD: Region VI
BLM: Gila District and Phoenix District
Congressional District: 1 and 5
Council of Government: Central Arizona Council of Governments and Maricopa Association of Governments
FHWA Engineering: A1 and A4
Legislative District: 5 and 23
Biotic Communities (Vegetation Types):
- Interior Chaparral: 76%
- Semidesert Grassland: 24%

Land Ownership:
- Private Land: 4%
- USDA Forest Service (Tonto): 96%

Identified Species:
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- Black Bear Ursus americanus
- Bobcat Lynx rufus
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Gila Topminnow Poeciliopsis occidentalis occidentalis
- Longfin Dace Agosia chrysogaster
- Long-legged Myotis Myotis volans
- Lowland Leopard Frog Rana yavapaiensis
- Mountain Lion Felis concolor

Photo by James Gallagher

Threats:
- Border Security
- Highway (Constellation Road)
- Urbanization

Hydrology:
- Blue Tank Wash
- Calamity Wash
- Hamlin Wash
- Mockingbird Wash

Linkage 52: Identified Species continued
Sonoran Desert Tortoise Gopherus agassizii
Western Yellow Bat Lasiurus xanthinus
Western Yellow-billed Cuckoo Coccyzus americanus occidentalis
Yuma Clapper Rail Rallus longirostris yumanensis
Yuma Myotis Myotis yumanensis

Threats:
- Highway (SR 87)
- Urbanization

Hydrology:
- Corral Creek
- Cottonwood Creek
- East Fork Sycamore Creek
- Gold Creek
- Slate Creek
- Sycamore Creek
- West Fork Sycamore Creek

Photo by James Gallagher
Linkage 54
Sierra Ancha – Superstition Mountains
Apache Highlands Ecoregion
Sonoran Desert Ecoregion

County: Gila and Maricopa
ADOT Engineering District: Globe
ADOT Maintenance: Globe and Roosevelt
ADOT Natural Resources Management Section: Phoenix
AGFD: Region VI
BLM: Gila District and Phoenix District
Council of Government: Central Arizona council of Governments and Maricopa Association of Governments
FHWA Engineering: A4
Legislative District: 5 and 23
Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 85%
- Interior Chaparral 15%
Land Ownership:
- National Park Service (Tonto National Monument) 2%
- Private Land 1%
- USDA Forest Service (Tonto) 97%
Identified Species:
- Bald Eagle Haliaeetus leucocephalus
- Bighorn Sheep Ovis canadensis
- Black Bear Ursus americanus
- Bobcat Lynx rufus
- California Leaf-nosed Bat Macrotes californicus
- Cave Myotis Myotis velifer
- Common Black-hawk Buteo galus anthracinus
- Gila Topminnow Poeciliopsis occidentalis occidentalis
- Gray Fox Urocyon cinereoargenteus
- Javelina Tayassu tajacu
- Longfin Dace Agosia chrysogaster

(Linkage 54: Identified Species continued)
- Lowland Leopard Frog Rana yavapaiensis
- Mountain Lion Felis concolor
- Northern Gray Hawk Astutina nitida maxima
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Southwestern Willow Flycatcher Empidonax trailli extimus
- Western Yellow-billed Cuckoo Coccyzus americanus occidentalis
- White-tailed Deer Odocoileus virginianus

Threats:
- Highway (SR 188)
- Urbanization

Hydrology:
- Blevens Wash
- Bumblebee Creek
- Campaign Creek
- Devore Wash
- Eads Wash
- Hicks Wash
- Horseshoe Bend Wash
- H-Z Wash
- Murray Wash
- Pinal Creek
- Pinto Creek
- Poison Springs Wash
- Quail Springs Wash
- Rock Creek
- Salt River
- Schoolhouse Wash
- Spring Creek
- Tonto Creek
- Wildcat Creek

Linkage 55
East – West Sierra Ancha SR 288
Apache Highlands Ecoregion
Arizona/New Mexico Mountains Ecoregion
Sonoran Desert Ecoregion

County: Gila and Coconino
ADOT Engineering District: Globe and Prescott
ADOT Maintenance: Payson and Roosevelt
ADOT Natural Resources Management Section: Phoenix
AGFD: Region I and Region VI
BLM: Gila District and Phoenix District
Council of Government: Central Arizona Council of Governments and Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 1 and 5
Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 22%
- Great Basin Conifer Woodland 17%
- Interior Chaparral 12%
- Madrean Evergreen Woodland < 0.5%
- Petran Montane Conifer Forest 33%
- Semidesert Grassland 16%
Land Ownership:
- Private Land 10%
- USDA Forest Service (Apache-Sitgreaves, Tonto) 90%
Identified Species:
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Myotis Myotis occultus
- Arizona Toad Bufo microscaphus
- Bald Eagle Haliaeetus leucocephalus
- Bighorn Sheep Ovis canadensis
- Black Bear Ursus americanus
(Linkage 55: Identified Species continued)

- Bobcat Lynx rufus
- Cave Myotis Myotis velifer
- Chiracahua Leopard Frog Rana chiricahuensis
- Common Black-hawk Buteogallus anthracinus
- Elk Cervus elaphus
- Fringed Myotis Myotis thysanodes
- Gila Topminnow Poeciliopsis occidentalis occidentalis
- Javelina Tayassu tajacu
- Longfin Dace Agosia chrysogaster
- Long-legged Myotis Myotis volans
- Lowland Leopard Frog Rana yavapaiensis
- Mexican Spotted Owl Strix occidentalis lucida
- Mountain Lion Felis concolor
- Northern Goshawk Accipiter gentilis
- Northern Gray Hawk Buteogallus anthracinus
- Pale Townsend's Big-eared Bat Corynorhinus townsendii pallidus
- Roundtail Chub Gila robusta
- Southwestern Willow Flycatcher Empidonax traillii extimus
- Western Red Bat Lasiusus trossovius
- Western Yellow-billed Cuckoo Coccyzus americanus occidentalis
- White-tailed Deer Odocoileus virginianus
- Yuma Myotis Myotis yumanensis

Threats:
- Grazing
- Highway (SR 288)
- Urbanization

Hydrology:
- Ash Creek
- Cherry Creek
- Connor Wash
- Dinner Creek
- Eads Wash
- Griffin Wash
- Haigler Creek
- Honey Creek
- H-Z Wash
- McFadden Creek

(new page)

(Linked 55: Hydrology continued)

- Meddler Wash
- North Fork Parker Creek
- P. B. Creek
- Parker Creek
- Pinal Creek
- Pocket Creek
- Reynolds Creek
- Salt River
- Shute Springs Creek
- South Fork Parker Creek
- Turkey Creek
- Walnut Creek
- Warm Creek
- Workman Creek

(Linkage 56:

Sevenmile – Sevenmile East US 60
Apache Highlands Ecoregion

County: Gila and Navajo
ADOT Engineering District: Globe
ADOT Maintenance: Globe, Indian Pine and Show Low
ADOT Natural Resources Management Section: Flagstaff and Phoenix
AGFD: Region I and Region VI
BLM: Gila District and Phoenix District
Congressional District: 1
Council of Government: Central Arizona Council of Governments and Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 5

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 0.2%
- Great Basin Conifer Woodland 51.6%
- Interior Chaparral 30.7%
- Petran Montane Conifer Forest 17%
- Semidesert Grassland 0.5%

Land Ownership:
- Private Land 4%
- Tribal Land (San Carlos, White Mountain Apache) 62%
- USDA Forest Service (Tonto) 34%

Identified Species:
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Toad Bufo microscaphus
- Bald Eagle Haliaeetus leucocephalus
- Black Bear Ursus americanus
- Cave Myotis Myotis velifer
- Chiracahua Leopard Frog Rana chiricahuensis
- Common Black-hawk Buteogallus anthracinus
- Elk Cervus elaphus
Linkage 57
Faught Ridge - Baldy SR 73
Apache Highlands Ecoregion
Arizona/New Mexico Mountains Ecoregion

County: Navajo

ADOT Engineering District: Globe
ADOT Maintenance: Indian Pine
ADOT Natural Resources Management Section: Flagstaff

AGFD: Region I
BLM: Gila District
Congressional District: 1
Council of Government: Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 5

Biotic Communities (Vegetation Types):
Great Basin Conifer Woodland  13%
Petran Montane Conifer Forest  87%

Land Ownership:
Tribal Land (White Mountain Apache)  100%

Identified Species:
Elk Cervus elaphus
Gray Wolf Canis lupus
Javelina Tayassu tajacu
Mearns' Quail Cryt e
Mule Deer Odocoileus hemionus
Mountain Lion Felis concolor
Narrow-headed Gartersnake Thamnophis rufipunctatus
Pale Townsend’s Big-eared Bat Corynorhinus townsendii
Roundtail Chub Gila robusta
White-nosed Coati Nasua narica

Threats:
Highway (US 60)

Hydrology:
Ash Creek
Cammerman Wash
Carrizo Creek
Champion Creek
Cienega Creek
Corduroy Creek
Corral Creek
Forestdale Creek
Ramboz Wash
Salt River
Sevenmile Wash

(Linkage 56: Identified Species continued)
Gila Topminnow Poeciliopsis occidentalis occidentalis
Javelina Tayassu tajacu
Lowland Tayassu tajacu
Mexican Spotted Owl Strix occidentalis lucida
Mule Deer Odocoileus hemionus
Mountain Lion Felis concolor
Narrow-headed Gartersnake Thamnophis rufipunctatus
Pale Townsend’s Big-eared Bat Corynorhinus townsendii
Roundtail Chub Gila robusta
White-tailed Deer Odocoileus virginianus

(Linkage 57: continued)
Highway (SR 73)
Urbanization

Bull Creek
Corduroy Creek
Cottonwood Wash
Diamond Creek
North Fork White River
Linkage 58
State Route 260 East
Apache Highlands Ecoregion
Arizona/New Mexico Mountains Ecoregion

County: Apache and Navajo
ADOT Engineering District: Globe
ADOT Maintenance: Indian Pine and Springerville
ADOT Natural Resources Management Section: Flagstaff
AGFD: Region I
BLM: Gila District
Congressional District: 1
Council of Government: Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 5
Biotic Communities (Vegetation Types):
- Petran Montane Conifer Forest 85%
- Subalpine Grassland 15%
Land Ownership:
- Private Land 1%
- Tribal Land (White Mountain Apache) 81%
- USDA Forest Service (Apache-Sitgreaves) 18%
Identified Species:
- Apache (Arizona) Trout Oncorhynchus apache
- Black Bear Ursus americanus
- Chiracahua Leopard Frog Rana chiricahuensis
- Elk Cervus elaphus
- Gray Wolf Canis lupus
- Gunnison’s Prairie Dog Cynomys gunnisoni
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Narrow-headed Gartersnake Thamnophis rufipunctatus
- Northern Leopard Frog Rana pipiens
- Osprey Pandion haliaetus

(Continued)

Hydrology:
- Bar H Creek
- Black Bear Cienega Creek
- Bog Creek
- Corduny Creek
- Fish Creek
- Gomez Creek
- Gooseberry Creek
- Horseshoe Creek
- Little Bog Creek
- McNary Ditch
- North Fork White River
- Paradise Creek
- Soldier Creek

Threats:
- Highway (SR 260; SR 273; SR 373)
- Railroad
- Urbanization

Linkage 59
Correjo Crossing – Clifton US 191
Apache Highlands Ecoregion
Arizona/New Mexico Mountains Ecoregion
Sky Island Ecoregion

County: Apache, Graham and Greenlee
ADOT Engineering District: Globe and Safford
ADOT Maintenance: Safford, Springerville and Three Way
ADOT Natural Resources Management Section: Flagstaff and Tucson
AGFD: Region I, Region V and Region VI
BLM: Gila District
Congressional District: 1
Council of Government: Northern Arizona Council of Governments and South Eastern Arizona Governments Organization
FHWA Engineering: A4
Legislative District: 5
Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub 3%
- Chihuahuan Desertscrub 3%
- Great Basin Conifer Woodland 11%
- Interior Chaparral 3%
- Madrean Evergreen Woodland 4%
- Petran Montane Conifer Forest 45%
- Petran Subalpine Conifer Forest < 0.5%
- Plains & Great Basin Grassland 8%
- Semidesert Grassland 23%
Land Ownership:
- Bureau of Land Management 4%
- Private Land 34%
- State Trust Land 5%
- USDA Forest Service (Apache-Sitgreaves) 57%
Identified Species:
- Allen’s Big-eared Bat Idionycteris phyllotis

Pronghorn Antilocapra americana
Riparian Obligates
Tassel-eared Squirrel Sciurus aberti
White Mountains Ground Squirrel Spermophilus tridecemlineatus monticola
White-tailed Deer Odocoileus virginianus
Wild Turkey Meleagris gallopavo
(Linkage 59: Identified Species continued)
- American Peregrine Falcon Falco peregrinus anatum
- Apache (Arizona) Trout Oncorhynchus apache
- Arizona Myotis Myotis occultus
- Bighorn Sheep Ovis canadensis
- Black Bear Ursus americanus
- Chiracahua Leopard Frog Rana chiricahuensis
- Common Black-hawk Buteogallus anthracinus
- Desert Sucker Catostomus clarki
- Elk Cervus elaphus
- Gila Trout Oncorhynchus gilae
- Gray Wolf Canis lupus
- Greater Western Mastiff Bat Eumops perotis californicus
- Little Colorado Spinedace Lepidomeda vittata
- Little Colorado Sucker Catostomus sp. 3
- Loach Minnow Tiaroga cobitis
- Longfin Dace Agosia chrysogaster
- Long-legged Myotis Myotis volans
- Lowland Leopard Frog Rana yavapaiensis
- Mexican Spotted Owl Strix occidentalis lucida
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Narrow Headed Gartersnake Thamnophis rufipunctatus
- Northern Goshawk Accipiter gentilis
- Northern Leopard Frog Rana pipiens
- Pronghorn Antilocapra americana
- Sonora Sucker Catostomus insignis
- Southwestern Willow Flycatcher Empidonax traillii extimus
- Speckled Dace Rhinichthys osculus
- Tassel-eared Squirrel Sciurus aberti
- White-nosed Coati Nasua narica
- White-tailed Deer Odocoileus virginianus
- Wild Turkey Meleagris gallopavo

Threats:
- Grazing
- Highway (US 191)
- Mining
- Railroad
- Urbanization

(Linkage 59: continued)
Hydrology:
- Auger Creek
- Beaver Creek
- Castle Creek
- Chase Creek
- Cienega Creek
- Coleman Creek
- Colter Creek
- Corduroy Creek
- Davis Creek
- Eagle Creek
- Fish Creek
- Foote Creek
- Gila River
- Grant Creek
- Hannagan Creek
- Hulsey Creek
- Juan Miller Creek
- K. P. Creek
- Limestone Gulch
- Milk Creek
- North Corral Creek
- North Fork Black Wallow Creek
- Nutrioso Creek
- Paddy Creek
- Picnic Creek
- Pigeon Creek
- Pipestem Creek
- Raspberry creek
- Riggs Creek
- Right Fork Foote Creek
- Rousensock Creek
- Rudd Creek
- Salt House Creek
- San Francisco River
- Sardine Creek
- Sheep Wash
- Silver Basin Creek
- Squaw Creek
- Stray Horse Creek

(USFWS, Jim Rorabaugh)

(Notes: Thomas Creek)
### Linkage 60  
**Black Hills – Tollgate Canyon**  
Sky Island Ecoregion

**County:** Graham and Greenlee  
**ADOT Engineering District:** Safford  
**ADOT Maintenance:** Safford and Three Way  
**ADOT Natural Resources Management Section:** Tucson  
**AGFD:** Region V  
**BLM:** Gila District  
**Congressional District:** 1  
**Council of Government:** South Eastern Arizona Governments Organization  
**FHWA Engineering:** A2  
**Legislative District:** 5

<table>
<thead>
<tr>
<th>Biotic Communities (Vegetation Types):</th>
</tr>
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</table>
| AZ Upland Sonoran Desertsclerb | 5%  
| Semidesert Grassland | 95%  

**Land Ownership:**  
- Bureau of Land Management: 98%  
- Private Land: 2%

**Identified Species:**  
- Bighorn Sheep *Ovis canadensis*  
- Javelina *Tayassu tajacu*  
- Mountain Lion *Felis concolor*  
- Mule Deer *Odocoileus hemionus*

**Threats:**  
- Highway (US 191)  
- Urbanization

**Hydrology:**  
- Tollgate Wash

### Linkage 61  
**Black Hills – Peloncillo Mountains**  
Sky Island Ecoregion

**County:** Graham and Greenlee  
**ADOT Engineering District:** Safford  
**ADOT Maintenance:** Safford and Three Way  
**ADOT Natural Resources Management Section:** Tucson  
**AGFD:** Region V  
**BLM:** Gila District  
**Congressional District:** 1  
**Council of Government:** South Eastern Arizona Governments Organization  
**FHWA Engineering:** A2  
**Legislative District:** 5

<table>
<thead>
<tr>
<th>Biotic Communities (Vegetation Types):</th>
</tr>
</thead>
</table>
| AZ Upland Sonoran Desertsclerb | 5%  
| Chihuahuan Desertscrub | 59%  
| Madrean Evergreen Woodland | 9%  
| Semidesert Grassland | 32%  

**Land Ownership:**  
- Bureau of Land Management: 2%  
- Private Land: 19%  
- State Trust Land: 79%

**Identified Species:**  
- Black Bear *Ursus americana*  
- Common Black-hawk *Buteogallus anthracinus*  
- Javelina *Tayassu tajacu*  
- Mule Deer *Odocoileus hemionus*  
- Small Mammals

**Threats:**  
- Highway (SR 75)  
- Railroad  
- Urbanization

**Hydrology:**  
- Shoat Tank Wash  
- Slick Rock Wash

### Linkage 62  
**State Route 75**  
Apache Highlands Ecoregion

**County:** Greenlee  
**ADOT Engineering District:** Safford  
**ADOT Maintenance:** Three Way  
**ADOT Natural Resources Management Section:** Tucson  
**AGFD:** Region V  
**BLM:** Gila District  
**Congressional District:** 1  
**Council of Government:** South Eastern Arizona Governments Organization  
**FHWA Engineering:** A2  
**Legislative District:** 5

<table>
<thead>
<tr>
<th>Biotic Communities (Vegetation Types):</th>
</tr>
</thead>
</table>
| AZ Upland Sonoran Desertsclerb | 5%  
| Chihuahuan Desertscrub | 59%  
| Madrean Evergreen Woodland | 9%  
| Semidesert Grassland | 32%  

**Land Ownership:**  
- Bureau of Land Management: 2%  
- Private Land: 19%  
- State Trust Land: 79%

**Identified Species:**  
- Black Bear *Ursus americana*  
- Common Black-hawk *Buteogallus anthracinus*  
- Javelina *Tayassu tajacu*  
- Mule Deer *Odocoileus hemionus*  
- Small Mammals

**Threats:**  
- Highway (SR 75)  
- Railroad  
- Urbanization
Linkage 63
Trigo Mountains – Kofa Mountains
Sonoran Desert Ecoregion

County: La Paz and Yuma

ADOT Engineering District: Yuma
ADOT Maintenance: Quartzsite
ADOT Natural Resources Management Section: Phoenix

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Western Arizona Council of Governments and Yuma Metropolitan Planning Organization

FHWA Engineering: A3

Legislative District: 24

Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertsrub 100%

Land Ownership:
- Bureau of Land Management 92%
- Department of Defense (Yuma Test Range) 2.5%
- National Wildlife Refuge (Kofa) 3.5%
- Private Land 2%

Identified Species:
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii

(Identified Species continued)

Yuma Myotis Myotis yumanensis

Threats:
- Border Security Highway (US 95)
- Urbanization

Hydrology:
- French Creek
- Indian Wash
- Tyson Wash

Image: Photo © Jason Passey
Linkage 64
Bighorn Belmont – Saddle Mountain
Sonoran Desert EcoRegion

County: Maricopa
ADOT Engineering District: Yuma
ADOT Maintenance: Gila Bend
ADOT Natural Resources Management Section: Prescott
AGFD: Region IV
BLM: Phoenix District
Congressional District: 2 and 7
Council of Government: Maricopa Association of Governments
FHWA Engineering: A3
Legislative District: 25

Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertscrub 100%

Land Ownership:
- Bureau of Land Management 1%
- Private Land 72%
- State Trust Land 27%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- Bobcat Lynx rufus
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii

(Linkage 64: Identified Species continued)
- Yuma Myotis Myotis yumanensis

Threats:
- Border Security
- Central Arizona Project Canal Highway (I 10)
- Urbanization

Hydrology:
- Delaney Wash
- Old Camp Wash

Photo by Doug Duncan

Linkage 65
White Tanks – Hassayampa River
Sonoran Desert Ecoregion

County: Maricopa
ADOT Engineering District: Phoenix Maintenance and Yuma
ADOT Maintenance: Avondale and Gila Bend
ADOT Natural Resources Management Section: Phoenix and Prescott
AGFD: Region VI
BLM: Phoenix District
Congressional District: 2
Council of Government: Maricopa Association of Governments
FHWA Engineering: A3
Legislative District: 4

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub 11%
- Lower Colorado River Sonoran Desertscrub 89%

Land Ownership:
- Private Land 81%
- State Trust Land 19%

Identified Species:
- Bighorn Sheep Ovis canadensis
- Bobcat Lynx rufus
- Javelina Tayassu tajacu
- Mule Deer Odocoileus hemionus
- Mountain Lion Felis concolor
- Sonoran Desert Tortoise Gopherus agassizii

Threats:
- Border Security
- Highway Threat (Sun Valley Parkway)
- Urbanization
### Linkage 66

#### Superior - Miami

**US 60**

Apache Highlands Ecoregion
Sonoran Desert Ecoregion

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**County:** Gila and Pinal

**ADOT Engineering District:** Globe

**ADOT Maintenance:** Globe and Superior

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 5 and Region 6

**BLM:** Gila District and Phoenix District

**Congressional District:** 1

**Council of Government:** Central Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 5 and 23

**Biotic Communities (Vegetation Types):**
- AZ Upland Sonoran Desertsrub: 45%
- Interior Chaparral: 37%
- Madrean Evergreen Woodland: 10%
- Semidesert Grassland: 8%

**Land Ownership:**
- Bureau of Land Management: 2%
- Private Land: 36.5%
- State Trust Land: 12.5%
- USDA Forest Service: 49%

**Identified Species:**
- Black Bear *Ursus americanus*
- Bighorn Sheep *Ovis canadensis*
- Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Pupfish *Cyprinodon macularius*
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Lowland Leopard Frog *Rana yavapaiensis*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Spotted Owl *Strix occidentalis lucida*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Northern Mexican Gartersnake *Thamnophis eques megalops*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Tucson Shovel-nosed Snake *Chionactis occipitalis klauberi*
- Western Red Bat *Lasiusus blossevillii*
- Western Small-footed Myotis *Myotis ciliolabrum*
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
- White-nosed Coati *Nasua narica*
- Yuma Myotis *Myotis yumanensis*

**Threats:**
- Highway (US 60)
- Mining
- Railroad
- Urbanization

**Hydrology:**
- Arnett Creek
- Bloody Tanks Wash
- Pinto Creek
- Queen Creek
- Reyment Wash
- Russell Gulch

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*Photo by Eric Vondy*
Linkage 67
Gila River - El Capitan
Sky Island Ecoregion
Sonoran Desert Ecoregion

County: Gila and Pinal
ADOT Engineering District: Globe
ADOT Maintenance: Globe and Superior
ADOT Natural Resources Management Section: Phoenix and Tucson
AGFD: Region 5 and Region 6
BLM: Gila District
Congressional District: 1
Council of Government: Central Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 5 and 23

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub: 99.8%
- Semidesert Grassland: 0.2%

Land Ownership:
- Bureau of Land Management: 20%
- Bureau of Reclamation: 1%
- Private Land: 68%
- State Trust Land: 11%

Identified Species:
- Bald Eagle: Haliaeetus leucocephalus
- California Leaf-nosed Bat: Macrotus californicus
- Cactus Ferruginous Pygmy-owl: Glaucomys fuliginosus cactorum
- Common Black-hawk: Buteo livingstonii
- Desert Sucker: Catostomus clarki
- Loach Minnow: Notemichthys cinctus
- Longfin Dace: Agosia chrysogaster
- Mississippi Kite: Ictinia mississippiensis
- Mountain Lion: Felis concolor

(Continued)

Mule Deer: Odocoileus hemionus
Northern Gray Hawk: Accipiter gentilis
Pale Townsend’s Big-eared Bat: Corynorhinus townsendii pallidus
Pocketed Free-tailed Bat: Nyctinomops femorosaccus
Sonoran Desert Tortoise: Gopherus agassizi
Sonora Sucker: Catostomus clarki
Southwestern Willow Flycatcher: Empidonax traillii extimus
Western Yellow-billed Cuckoo: Coccyzus americanus

Threats:
- De-watering of rivers
- Highway (SR 77)
- Mining
- Railroad
- Urbanization

Hydrology:
- Ash Creek
- Gila River
- Hackberry Wash
- Indian Camp Wash
- Romero Wash
- San Pedro River
- Smith Wash
- Steamboat Wash

Linkage 68
Saddle Mountain - Gila Bend Mountains
Sonoran Desert Ecoregion

County: Maricopa
ADOT Engineering District: Yuma
ADOT Maintenance: Gila Bend
ADOT Natural Resources Management Section: Phoenix
AGFD: Region 4
BLM: Phoenix District
Congressional District: 7
Council of Government: Maricopa Association of Governments
FHWA Engineering: A3
Legislative District: 25

Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertscrub: 100%

Land Ownership:
- Bureau of Land Management: 14%
- Private Land: 75%
- State Trust Land: 11%

Identified Species:
- Arizona Chuckwalla: Sauromalus ater
- Banded Gila Monster: Heloderma suspectum
- Cave Myotis: Myotis velifer
- Greater Western Mastiff Bat: Eumops perotis californicus
- LeConte’s Thrasher: Toxostoma lecontei
- Mountain Lion: Felis concolor
- Pale Townsend’s Big-eared Bat: Corynorhinus townsendii pallidus
- Pocketed Free-tailed Bat: Nyctinomops femorosaccus
Linkage 69
Laguna Mountains – Muggins Mountains
Sonoran Desert Ecoregion

County: Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Yuma
ADOT Natural Resources Management Section: Phoenix
AGFD: Region 4
BLM: Colorado River District
Congressional District: 7
Council of Government: Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24
Biotic Communities (Vegetation Types):
Lower Colorado River Deserts (100)

Land Ownership:
Bureau of Land Management 26\%
Department of Defense (Yuma Test Range) 24\%
Bureau of Reclamation 4\%
Private Land 34\%
State Trust Land 12\%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracia
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor

Threats:
Border Security
Canal
Highway (US 95)
Railroad
Urbanization

Hydrology:
- Castle Dome Wash
- Dome Canal
- Dome Protective Channel
- Gila Gravity Main Canal
- Gila River
- Wellton Mohawk Canal

(Identified Species continued)
- Pale Townsend’s Big-eared Bat Corynorhinus townsendi paleacens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Pronghorn Antilocapra americana
- Sonoran Desert Tortoise Gopherus agassizii
- Spotted Bat Euderma maculatum
- Western Burrowing Owl Athene cunicularia hypugaea
- Western Yellow-billed Cuckoo Cuculus occidentalis
- Yuma Clapper Rail Rallus longirostris yumanensis
- Yuma Myotis Myotis yumanensis

Threats:
Agriculture
Border Security
Highway (Agua Caliente)
Railroad
Urbanization

Hydrology:
Centennial Wash

Photo by Fred Labounty
Linkage 70
Arizona Service Highway (ASH)
Sonoran Desert Ecoregion

County: Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Yuma
ADOT Natural Resources Management Section: Phoenix
AGFD: Region IV
BLM: Colorado River District
Congressional District: 7
Council of Government: Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24

Biotic Communities (Vegetation Types):
Lower Colorado River Sonoran Deserts 100%

Land Ownership:
- Bureau of Land Management 14%
- Department of Defense (Barry Goldwater Air Force Range) 26%
- Bureau of Reclamation 20%
- Private Land 28%
- State Trust Land 12%

Identified Species:
- Big Free-tailed Bat Nyctinomops macrotus
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Flat-tailed Horned Lizard Phrynosoma mcallii
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallecsens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Western Burrowing Owl Athene cunicularia hypugaea

(Identified Species continued)
- Yuma Hispid Cotton Rat Sigmodon hispidus eremicus
- Yuma Myotis Myotis yumanensis
- Yuman Desert Fringe-toed Lizard Uma notata rufopunctata

Threats:
- Canal Highway (SR 195)
- Railroad Urbanization

Hydrology:
- A Canal
- B Canal
- E Main Canal
- Main Drain
- South Drain
- South Gila Valley Main Canal
- W Main Canal

Linkage 71
North - South Gila Mountains
Sonoran Desert Ecoregion

County: Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Yuma
ADOT Natural Resources Management Section: Phoenix
AGFD: Region IV
BLM: Colorado River District
Congressional District: 7
Council of Government: Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24

Biotic Communities (Vegetation Types):
Lower Colorado River Sonoran Deserts 100%

Land Ownership:
- Bureau of Land Management 92%
- Private Land 2%
- State Trust Land 6%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracilis
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallecsens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
Linkage 72
Sentinel Plain
Sonoran Desert Ecoregion

County: Maricopa and Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Gila Bend and Yuma
ADOT Natural Resources Management Section: Phoenix

AGFD: Region IV
BLM: Colorado River District and Phoenix District
Congressional District: 7
Council of Government: Maricopa Association of Governments and Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24 and 25

Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertscrub 100%

Land Ownership:
- Bureau of Land Management: 13%
- Bureau of Reclamation: 2%
- Department of Defense (Barry Goldwater Air Force Range): 2%
- Private Land: 46%
- State Trust Land: 37%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotes californicus
- Cave Myotis Myotis velifer
- Flat-tailed Horned Lizard Phrynosoma mcallii
- Great Egret Ardea alba
- Greater Western Mastiff Bat Eumops perotis californicus
- Least Bittern Ixobrychus exilis

Hydrology:
- None Identified

Threats:
- Highway (I 8)
- Urbanization

(Linkage 72: Identified Species continued)
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallidus
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Sonoran Pronghorn Antilocapra americana sonoriensis
- Southwestern Willow Flycatcher Empidonax trailli extimus
- Snowy Egret Egretta thula
- Spotted Bat Euderma maculatum
- Western Burrowing Owl Athene cunicularia hypugaea
- Western Yellow-billed Cuckoo Cuculus mexicanus occidentalis
- White-faced Ibis Plegadis chihi
- Yuma Clapper Rail Rallus longirostris yumanensis
- Yuman Desert Fringe-toed Lizard Uma rufopunctata

County: Maricopa and Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Gila Bend and Yuma
ADOT Natural Resources Management Section: Phoenix

AGFD: Region IV
BLM: Colorado River District and Phoenix District
Congressional District: 7
Council of Government: Maricopa Association of Governments and Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24 and 25

Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertscrub 100%

Land Ownership:
- Bureau of Land Management: 13%
- Bureau of Reclamation: 2%
- Department of Defense (Barry Goldwater Air Force Range): 2%
- Private Land: 46%
- State Trust Land: 37%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotes californicus
- Cave Myotis Myotis velifer
- Flat-tailed Horned Lizard Phrynosoma mcallii
- Great Egret Ardea alba
- Greater Western Mastiff Bat Eumops perotis californicus
- Least Bittern Ixobrychus exilis

Hydrology:
- None Identified

Threats:
- Highway (I 8)
- Urbanization

(Linkage 72: Identified Species continued)
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallidus
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Sonoran Pronghorn Antilocapra americana sonoriensis
- Southwestern Willow Flycatcher Empidonax trailli extimus
- Snowy Egret Egretta thula
- Spotted Bat Euderma maculatum
- Western Burrowing Owl Athene cunicularia hypugaea
- Western Yellow-billed Cuckoo Cuculus mexicanus occidentalis
- White-faced Ibis Plegadis chihi
- Yuma Clapper Rail Rallus longirostris yumanensis
- Yuman Desert Fringe-toed Lizard Uma rufopunctata

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Linkage 73
Gila Bend Mountains - North Maricopa Mountains
Sonoran Desert Ecoregion

County: Maricopa
ADOT Engineering District: Yuma
ADOT Maintenance: Gila Bend
ADOT Natural Resources Management Section: Phoenix
AGFD: Region IV and Region VI
BLM: Phoenix District
Congressional District: 7
Council of Government: Maricopa Association of Governments
FHWA Engineering: A3
Legislative District: 25

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub: 0.3%
- Lower Colorado River Sonoran Desertsrub: 99.7%

Land Ownership:
- Bureau of Land Management: 1%
- Private Land: 76%
- State Trust Land: 23%

Identified Species:
- Arizona Chuckwalla Saurotus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracia
- Greater Western Mastiff Bat Eumops perotis californicus
- Javelina Tayassu tajacu
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor

Threats:
- Border Security
- Canal
- Highway (SR 85)
- Urbanization

Hydrology:
- Arlington Canal
- Enterprise Canal
- Gila River
- Rainbow Wash

(Linkage 72: Hydrology continued)
The Lagoon
Wellton Mohawk Main Channel
Yaqui Wash

(Linkage 73: Identified Species continued)
Mule Deer Odocoileus hemionus
Pale Townsend's Big-eared Bat Corynorhinus townsendii pallescens
Pocketed Free-tailed Bat Nyctinomops femorosaccus
Sonoran Desert Tortoise Gopherus agassizii
Yuma Clapper Rail Rallus longirostris yumanensis
Yuma Myotis Myotis yumanensis
Linkage 74
North Maricopa Mountains – Sierra Estrella Mountains
Sonoran Desert Ecoregion

County: Maricopa
ADOT Engineering District: Phoenix Maintenance, Tucson and Yuma
ADOT Maintenance: Avondale, Casa Grande and Gila Bend
ADOT Natural Resources Management Section: Phoenix
AGFD: Region IV and Region VI
BLM: Phoenix District
Congressional District: 2 and 7
Council of Government: Maricopa Association of Governments
FHWA Engineering: A2 and A3
Legislative District: 12 and 25

Biotic Communities (Vegetation Types):
Lower Colorado River Sonoran Desertscrub 100%

Land Ownership:
- Bureau of Land Management 3%
- Private Land 56%
- State Trust Land 41%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- Bobcat Lynx rufus
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Javelina Tayassu tajacu
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor

(Linkage 74: Identified Species continued)
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallidus
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Myotis Myotis yumanensis

Threats:
- Agriculture
- Border Security
- Highway (Rainbow Valley)
- Urbanization

Hydrology:
- Waterman Wash
- West Prong Waterman Wash

Linkage 75
State Route 85
Sonoran Desert Ecoregion

County: Maricopa and Pima
ADOT Engineering District: Tucson and Yuma
ADOT Maintenance: Gila Bend and Three Points
ADOT Natural Resources Management Section: Phoenix and Tucson
AGFD: Region IV and Region V
BLM: Phoenix District
Congressional District: 7
Council of Government: Maricopa Association of Governments and Pima Association of Governments
FHWA Engineering: A2 and A3
Legislative District: 25

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub 38%
- Lower Colorado River Sonoran Desertscrub 62%

Land Ownership:
- Bureau of Land Management 21%
- Department of Defense (Barry Goldwater Air Force Range) 33%
- National Park Service (Organ Pipe) 32%
- Private Land 13%
- State Trust Land 1%

Identified Species:
- Ajo Mountain Whipsnake Masticophis bilineatus lineolatus
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- Bobcat Lynx rufus
- Cactus Ferruginous Pygmy-owl Glaucidium brasilianum cadorum
Linkage 75: Identified Species continued

- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracilis*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Rosy Boa *Charina trivirgata trivirgata*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarosiris organica*
- Pale Townsend’s Big-eared Bat *Corynorhinus townsendii pallescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Tiger Rattlesnake *Crotalus tigris*
- Underwood’s Bonneted Bat *Eumops underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- Yuma Myotis *Myotis yumanensis*

Threats:
- Agriculture
- Border Security
- Highway (SR 85)
- Urbanization

Hydrology:
- Alamo Wash
- Cherioni Wash
- Cuerda de Lena
- Darby Arroyo
- Gibson Arroyo
- Gunsight Wash
- Kuakatch Wash

Linkage 75: Hydrology continued

- Midway Wash
- Rio Cornez
- Tenmile Wash

Linkage 76
South Maricopa Mountains– Sand Tanks
Sonoran Desert Ecoregion

**County:** Maricopa

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Gila Bend

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region IV

**BLM:** Phoenix District

**Congressional District:** 7

**Council of Government:** Maricopa Association of Governments

**FHWA Engineering:** A3

**Legislative District:** 25

**Biotic Communities (Vegetation Types):**
- AZ Upland Sonoran Desertscrub 71%
- Lower Colorado River Sonoran Desertscrub 29%

**Land Ownership:**
- Bureau of Land Management 100%

**Identified Species:**
- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Big Free-tailed Bat *Nyctinomops macrotis*
- Bighorn Sheep *Ovis canadensis*
- Bobcat *Lynx rufus*
- Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-Nosed Bat *Leptonycteris curasoae yerbabuenae*
- Long-legged Myotis *Myotis volans*
Linkage 77
Quijotoa Valley
Sonoran Desert Ecoregion

County: Pima

ADOT Engineering District: Tucson
ADOT Maintenance: Three Points
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Phoenix District
Congressional District: 7
Council of Government: Pima Association of Governments
FHWA Engineering: A2
Legislative District: 25

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub: 18%
- Lower Colorado River Sonoran Desertscrub: 82%

Land Ownership:
- Private Land: 1%
- Tribal Land (Tohono O’odham): 99%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Arizona Mud Turtle Kinosternon arizonense
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotis
- Bighorn Sheep Ovis canadensis
- Bobcat Lynx rufus
- Cactus Ferruginous Pygmy-owl Glaucidium brasilianum cactorum
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Great Plains Narrow-mouthed Toad Gastrophryne olivacea
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis

Hydrology:
- Bender Wash

Threats:
- Agriculture
- Border Security
- Highway (I-8)
- Urbanization

(Identified Species continued)
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii palleceans
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Myotis Myotis yumanensis

(Identified Species continued)
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Myotis Myotis yumanensis

Hydrology:
- Gunsight Wash
- Hickiwan Wash
- San Simon Wash
- Sikort Chuapo Wash

Threats:
- Border Security
- Highway (SR 86)
- Urbanization
Section VII Potential Linkage Zones

**Linkage 78**

**State Route 79**

Sonoran Desert Ecoregion

- **County:** Pinal
- **ADOT Engineering District:** Tucson
- **ADOT Maintenance:** Oracle
- **ADOT Natural Resources Management Section:** Tucson
- **AGFD:** Region V
- **BLM:** Gila District
- **Congressional District:** 1
- **Council of Government:** Central Arizona Council of Governments
- **FHWA Engineering:** A2
- **Legislative District:** 23
- **Biotic Communities (Vegetation Types):**
  - AZ Upland Sonoran Desertsrub 100%
- **Land Ownership:**
  - Private Land 4%
  - State Trust Land 96%
- **Identified Species:**
  - Bighorn Sheep *Ovis canadensis*
  - Bobcat *Lynx rufus*
  - Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*
  - Javelina *Tayassu tajacu*
  - Kit Fox *Vulpes macrotis*
  - Mountain Lion *Felis concolor*
  - Mule Deer *Odocoileus hemionus*
  - Sonoran Desert Tortoise *Gopherus agassizii*
  - Tiger Rattlesnake *Crotalus tigris*
  - Tucson Shovel-nosed Snake *Chionactis occipitalis klauberi*
- **Threats:** Border Security

*(Linkage 78: Threats continued)*

Highway (SR 79)

Urbanization

**Hydrology:**

Tom Mix Wash

**Photo by Erik F. Enderson**

**Linkage 79**

**Ironwood – Tortolita**

Sonoran Desert Ecoregion

- **County:** Pima and Pinal
- **ADOT Engineering District:** Tucson
- **ADOT Maintenance:** Oracle, Three Points and Tucson North
- **ADOT Natural Resources Management Section:** Tucson
- **AGFD:** Region V
- **BLM:** Gila District
- **Congressional District:** 1 and 7
- **Council of Government:** Central Arizona Council of Governments and Pima Association of Governments
- **FHWA Engineering:** A2
- **Legislative District:** 23 and 25
- **Biotic Communities (Vegetation Types):**
  - AZ Upland Sonoran Desertsrub 29%
  - Lower Colorado River Sonoran Desertsrub 71%
- **Land Ownership:**
  - Bureau of Land Management 4.5%
  - Bureau of Reclamation 1.5%
  - Private Land 43%
  - State Trust Land 51%
- **Identified Species:**
  - Bighorn Sheep *Ovis canadensis*
  - Bobcat *Lynx rufus*
  - Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*
  - Cave Myotis *Myotis velifer*
  - Javelina *Tayassu tajacu*
  - Kit Fox *Vulpes macrotis*
  - Mountain Lion *Felis concolor*
  - Mule Deer *Odocoileus hemionus*
  - Sonoran Desert Tortoise *Gopherus agassizii*
  - Western Burrowing Owl *Athene cunicularia hypugaea*
Linkage 80
Saguaro – Tortolita
Sky Island Ecoregion
Sonoran Desert Ecoregion

County: Pima and Pinal
ADOT Engineering District: Tucson
ADOT Maintenance: Oracle, Tucson North and Tucson South
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 1, 7 and 8
Council of Government: Central Arizona Council of Governments and Pima Association of Governments
FHWA Engineering: A2
Legislative District: 23, 25, 26 and 27

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub 92%
- Lower Colorado River Sonoran Desertscrub 3%
- Semidesert Grassland 5%

Land Ownership:
- Bureau of Land Management 1%
- Private Land 68%
- State Trust Land 31%

Identified Species:
- Bobcat Lynx rufus
- Cactus Ferruginous Pygmy-owl Glaucidium brasilianum
- Cave Myotis Myotis velifer
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii

Hydrology:
- Blanco Wash
- Cocio Wash
- Los Robles Wash
- Santa Cruz River

Threats:
- Agriculture
- Border Security
- Canal (Central Arizona Project)
- Highway (I 10; Avra Valley)
- Railroad
- Urbanization

Photo by John Hoffman
Linkage 81
Santa Catalina - Tortolita
Sky Island Ecoregion
Sonoran Desert Ecoregion

County: Pima and Pinal
ADOT Engineering District: Tucson
ADOT Maintenance: Oracle and Tucson South
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 1 and 8
Council of Government: Central Arizona Council of Governments and Pima Association of Governments
FHWA Engineering: A2
Legislative District: 23 and 26

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub: 4%
- Interior Chaparral: 3%
- Semidesert Grassland: 93%

Land Ownership:
- Private Land: 34%
- State Trust Land: 66%

Identified Species:
- Bobcat Lynx rufus
- California Leaf-nosed Bat Macroctus californicus
- Giant Spotted Whiptail Aspidoscelis burti stictogrammus
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Sonoran Desert Tortoise Gopherus agassizi
- Tiger Rattlesnake Crotalus tigris

(Linkage 81: continued)

Threats:
- Agriculture
- Highway (SR 77; Tangerine Road)
- Urbanization

Hydrology:
- Bataanote Wash
- Big Wash
- Canada del Oro
- Carpas Wash
- Chalk Wash
- Chirreon wash
- Copper Wash
- Dodge Tank Wash
- Faraway Wash
- Honey Bee Canyon Wash
- Indian Town Wash
- Sahuarita Wash
- Sausalito Creek
- Sutherland Wash
- Twenty nine Wash
- Twenty seven Wash

Linkage 82
Santa Catalina - Galliuro
Sky Island Ecoregion

County: Cochise, Graham, Pima and Pinal
ADOT Engineering District: Safford and Tucson
ADOT Maintenance: Oracle, Safford, St. David and Tucson South
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 1 and 8
Council of Government: Central Arizona Council of Governments, Pima Association of Governments and South Eastern Governments Organization
FHWA Engineering: A2
Legislative District: 5, 23, 25, 26 and 30

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub: 56%
- Chihuahuan Desertscrub: 1%
- Interior Chaparral: 1%
- Madrean Evergreen Woodland: 2%
- Semidesert Grassland: 40%

Land Ownership:
- Bureau of Land Management: 2%
- Private Land: 25%
- State Trust Land: 73%

Identified Species:
- Black Bear Ursus americanus
- Bighorn Sheep Ovis canadensis
- Mexican Spotted Owl Strix occidentalis lucida
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Southwestern Willow Flycatcher Empidonax traillii extimus
- Native Fishes
- White-tailed Deer Odocoileus virginianus
Linkage 83
Galliuro - Pinaleno
Sky Island Ecoregion

County: Cochise and Graham

ADOT Engineering District: Safford and Tucson
ADOT Maintenance: Oracle and Safford
ADOT Natural Resources Management Section: Tucson

AGFD: Region V and Region VI

BLM: Gila District

Congressional District: 1 and 8

Council of Government: Central Arizona Council of Governments and South Eastern Arizona Governments Organization

FHWA Engineering: A2

Legislative District: 5, 23 and 26

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub <1%
- Great Basin Conifer Woodland 3%
- Interior Chaparral 5%
- Madrean Evergreen Woodland 3%
- Plains & Great Basin Grassland <1%
- Semidesert Grassland 89%

Land Ownership:
- Private Land 37%
- State Trust Land 63%

Identified Species:
- American Peregrine Falcon Falco peregrinus anatum
- Apache (Arizona) Trout Oncorhynchus apache
- Black Bear Ursus americanus
- Cave Myotis Myotis velifer
- Javelina Tayassu tajacu
- Mexican Spotted Owl Strix occidentalis lucida
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Northern Goshawk Accipiter gentilis
- Pronghorn Antilocapra americana
- Western Red Bat Lasiurus blossevillii
- White-bellied Long-tailed Vole Microtus longicaudus leucophaeus
- White-tailed Deer Odocoileus virginianus

Threats:
- Highway (SR 266; Small Roads)
- Urbanization

Hydrology:
- Aravaipa Creek
- Ash Creek
- Bar-X Wash
- Big Creek
- Crazy Horse Wash
- Deer Creek
- Fourmile Creek
- Fresnal Wash
- Gardner Creek
- Goudy Canyon Wash
- Grant Creek
- Grapevine Canyon Wash
- High Creek
- Hog Canyon Wash
- Horton Creek
- Jesus Canyon Wash
- Kennedy Falls Wash
- Klondyke Wash
- Left Branch Long Hollow
- Long Hollow
- Low Creek
- Martin Wash
- Mud Springs Wash
- North Oak Creek
- Oak Creek
- Paddys River
- Pitchfork Canyon Wash
- Rattlesnake Creek
- Reiley Creek
Linkage 84
Pinaleno – San Simon Valley
Sky Island Ecoregion

County: Graham

ADOT Engineering District: Safford
ADOT Maintenance: Safford
ADOT Natural Resources Management Section: Tucson

AGFD: Region V
BLM: Gila District
Congressional District: 1

Council of Government: South Eastern Arizona Governments Organization

FHWA Engineering: A2
Legislative District: 5

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Deserts 14%
- Chihuahuan Deserts 0.5%
- Semidesert Grassland 85.5%

Land Ownership:
- Bureau of Land Management 13%
- Private Land 12%
- State Trust Land 75%

Identified Species:
- Bobcat Lynx rufus
- Javelina Tayassu tajacu
- Lesser Long-nosed Bat Leptonycteris curasaoe yerbabuenae
- Mexican Long-tongued Bat Choeronycteris mexicana
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus

Threats:
- Highway (US 191)
- Urbanization

Hydrology:
- Dial Wash
- Gold Gulch
- Jacobson Creek
- Marijilda Wash
- Oak Draw
- Owl Wash
- Stockton Wash
- WA Wash
- Willow Spring Wash

(Proposed Usage of Linkage: Sonoita)
Section VII Potential Linkage Zones

Linkage 85
Avra Valley
Sonoran Desert Ecoregion

County: Pima
ADOT Engineering District: Tucson
ADOT Maintenance: Three Points and Tucson South
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District and Phoenix District
Congressional District: 7
Council of Government: Pima Association of Governments
FHWA Engineering: A2
Legislative District: 25 and 27

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 34%
- Lower Colorado River Sonoran Desertsrub 66%

Land Ownership:
- Bureau of Land Management 1%
- Private Land 77%
- State Trust Land 22%

Identified Species:
- Bobcat Lynx rufus
- Cactus Ferruginous Pygmy-owl Glaucidium brasilianum cactorum
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis
- Mountain Lion Felis concolor
- Sonoran Desert Tortoise Gopherus agassizii

Threats:
- Agriculture
- Canal (Central Arizona Project)
- Highway (Sandario Road)
- Urbanization

Hydrology:
- Brawley Wash

(Continued)

Linkage 86
Kitt Peak
Sky Island Ecoregion
Sonoran Desert Ecoregion

County: Pima
ADOT Engineering District: Tucson
ADOT Maintenance: Three Points
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Phoenix District
Congressional District: 7
Council of Government: Pima Association of Governments
FHWA Engineering: A2
Legislative District: 25

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 9%
- Madrean Evergreen Woodland 28%
- Semidesert Grassland 63%

Land Ownership:
- Private Land 1%
- Tribal Land (Tohono O’dham) 99%

Identified Species:
- Cactus Ferruginous Pygmy-owl Glaucidium brasilianum cactorum
- Giant Spotted Whiptail Aspidoscelis burti stictogrammus
- Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus
- Mule Deer Odocoileus hemionus
- Sonoran Desert Tortoise Gopherus agassizii

Threats:
- Border Security
- Highway (SR 86; SR 386)
- Urbanization
Linkage 87
Tucson Mountains – San Xavier
(San Robles Pass)
Sonoran Desert Ecoregion

County: Pima
ADOT Engineering District: Tucson
ADOT Maintenance: Tucson South
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 7
Council of Government: Pima Association of Governments
FHWA Engineering: A2
Legislative District: 25 and 27

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 100%

Land Ownership:
- Bureau of Land Management 4%
- Private Land 88%
- State Trust Land 5%
- Tribal Land (Pascau Yaqui; San Xavier) 3%

Identified Species:
- Bobcat Lynx rufus
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Giant Spotted Whiptail Aspidoscelis burti stictogrammus
- Greater Western Mastiff Bat Eumops perotis californicus
- Mountain Lion Felis concolor
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Western Burrowing Owl Athene cunicularia hypugaea

Hydrology:
- Santa Cruz River
- West Branch Santa Cruz River

Threats:
- Border Security
- Highway (SR 86)
- Urbanization

Tucson Mountains – San Xavier (San Robles Pass)
Linkage 88
Galluro – Winchester - Dragoons
Sky Island Ecoregion

County: Cochise and Graham
ADOT Engineering District: Safford
ADOT Maintenance: Safford, St. David and Willcox
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 1 and 8
Council of Government: South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 5 and 25

Biotic Communities (Vegetation Types):
- Chihuahuan Desertscrub: <1%
- Madrean Evergreen Woodland: 29%
- Plains & Great Basin Woodland: 4%
- Semidesert Grassland: 67%

Land Ownership:
- Bureau of Land Management: 2%
- Private Land: 24%
- State Trust Land: 74%

Identified Species:
- Black Bear Ursus americanus
- Chiricahua Leopard Frog Rana chiricahuensis
- Grassland Birds
- Javelina Tayassu tajacu
- Mexican Long-tongued Bat Choeronycteris mexicana
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Ornate Box Turtle Terrapene ornata
- Plains Leopard Frog Rana blairi
- Texas Horned Lizard Phrynosoma cornutum
- White-nosed Coati Nasua narica
- White-tailed Deer Odocoileus virginianus

Threats:
- Highway (I 10)
- Railroad
- Urbanization

Hydrology:
- Ash Creek Canyon
- Dragoon Wash
- Hot Springs Canyon
- South Fork Canyon
- Teran Wash
- Tres Alamos Wash
- Walnut Wash

Linkage 89
Willcox Playa – Winchester – Pinaleno – Dos Cabezas
Sky Island Ecoregion

County: Cochise and Graham
ADOT Engineering District: Safford
ADOT Maintenance: Safford, St. David and Willcox
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 1 and 8
Council of Government: South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 5 and 25

Biotic Communities (Vegetation Types):
- Madrean Evergreen Woodland: 6%
- Semidesert Grassland: 94%

Land Ownership:
- Private Land: 57%
- State Trust Land: 43%

Identified Species:
- Bobcat Lynx rufus
- Chiricahua Leopard Frog Rana chiricahuensis
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis
- Mexican Spotted Owl Strix occidentalis lucida
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Ornate Box Turtle Terrapene ornata
- Plains Leopard Frog Rana blairi
- Pronghorn Antilocapra americana
- Texas Horned Lizard Phrynosoma cornutum
- Western Burrowing Owl Athene cunicularia hypugaea
Linkage 90
Pinaleno – Dos Cabezas – San Simon Valley
Sky Island Ecoregion

County: Cochise and Graham
ADOT Engineering District: Safford
ADOT Maintenance: Safford and Willcox
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 1 and 8
Council of Government: South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 5 and 25

Biotic Communities (Vegetation Types):
- Chihuahuan Desertscape: 70%
- Madrean Evergreen Woodland: 3%
- Semidesert Grassland: 27%

Land Ownership:
- Bureau of Land Management: 6%
- Private Land: 37%
- State Trust Land: 57%

Identified Species:
- California Leaf-nosed Bat Macrotus californicus
- Fringed Myotis Myotis thysanodes
- Jaguar Panthera onca
- Javelina Tayassu tajacu
- Long-legged Myotis Myotis volans
- Mexican Spotted Owl Strix occidentalis lucida
- Mule Deer Odocoileus hemionus
- Ornate Box Turtle Terrapene ornata
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Texas Horned Lizard Phrynosoma cornutum

(Identified Species continued)
- White-nosed Coati Nasua narica
- Yellow-nosed Cotton Rat Sigmodon ochrognathus

Threats:
- Highway (I 10; US 191)
- Railroad
- Urbanization

Hydrology:
- Dial Wash
- East Whitetail Creek
- Gold Gulch
- Happy Camp Wash
- Sacaton Wash
- San Simon Wash
- Vanar Wash
- Wood Canyon Stream
Linkage 91
Baboquivari - San Luis Mountains
Sky Island Ecoregion

County: Pima
ADOT Engineering District: Tucson
ADOT Maintenance: Three Points
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District and Phoenix District
Congressional District: 7
Council of Government: Pima Association of Governments

FHWA Engineering: A2
Legislative District: 25

Biotic Communities (Vegetation Types):
- Madrean Evergreen Woodland: 11%
- Semidesert Grassland: 89%

Land Ownership:
- National Wildlife Refuge Area (Buenos Aires): 27%
- Private Land: 13%
- State Trust Land: 60%

Identified Species:
- Arizona Mud Turtle Kinosternon arizonense
- Baird’s Sparrow Ammodramus bairdii
- Cactus Ferruginous Pygmy-owl Glaucidium brasilianum cactorum
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Gila Topminnow Poeciliopsis occidentalis occidentalis
- Jaguar Panthera onca
- Javelina Tayassu tajacu
- Masked Bobwhite Colinus virginianus ridgwayi
- Mule Deer Odocoileus hemionus
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Pronghorn Antilocapra americana

(8 Linkage 91: Identified Species continued)
- Underwood’s Bonneted Bat Eumops underwoodii
- Western Red Bat Lasiurus borealis
- Western Yellow Bat Lasiurus xanthurus
- Western Yellow-billed Cuckoo Coccyzus americanus occidentalis

Threats:
- Agriculture
- Border Security
- Highway (SR 286)
- Urbanization

Hydrology:
- Aros Wash
- Arroyo del Compartadero
- Asolido Wash
- Bailey Wash
- Chihpine Wash
- Cuadro Wash
- La Osa Wash
- Las Moras Wash
- Legunita Wash
- Little Thomas Wash
- Los Encinos Wash
- Placiertos Wash
- Santa Margarita Wash
- Thomas Canyon Wash

Linkage 92
San Xavier – Sierrita – Santa Rita
Sky Island Ecoregion
Sonoran Desert Ecoregion

County: Pima
ADOT Engineering District: Tucson
ADOT Maintenance: Nogales, Three Points and Tucson South
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 7 and 8
Council of Government: Pima Association of Governments

FHWA Engineering: A2
Legislative District: 25 and 30

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub: 23%
- Semidesert Grassland: 77%

Land Ownership:
- Bureau of Land Management: 2%
- Private Land: 48%
- State Trust Land: 50%

Identified Species:
- Black Bear Ursus americanus
- Cave Myotis Myotis velifer
- Giant Spotted Whiptail Aspidoscelis burti stictogrammus
- Gila Topminnow Poeciliopsis occidentalis occidentalis
- Jaguar Panthera onca
- Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae
- Lowland Leopard Frog Rana yavapaiensis
- Mountain Lion Felis concolor
- Yellow-nosed Cotton Rat Sigmodon ochrognathus
- Western Yellow-billed Cuckoo Coccyzus americanus occidentalis
Linkage 93
Tumacacori – Santa Rita
Sky Island Ecoregion

County: Pima and Santa Cruz
ADOT Engineering District: Tucson
ADOT Maintenance: Nogales, Three Points and Tucson South
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 7 and 8
Council of Government: Pima Association of Governments and South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 25 and 30
Biotic Communities (Vegetation Types):
Madrean Evergreen Woodland 3%
Semidesert Grassland 97%
Land Ownership:
Private Land 69%
State Trust Land 31%
Identified Species:
Gila Topminnow Poeciliopsis occidentalis occidentalis
Jaguar Panthera onca
Javelina Tayassu tajacu
Longfin Dace Agosia chrysogaster
Mexican Spotted Owl Strix occidentalis lucida
Mountain Lion Felis concolor
Mule Deer Odocoileus hemionus
Northern Gray Hawk Asturina nitida maxima
Northern Mexican Gartersnake Thamnophis eques megalops
Southwestern Willow Flycatcher Empidonax traillii extimus
Thick-billed Kingbird Tyrannus crassirostris
Western Yellow-billed Cuckoo Coccyzus americanus occidentalis

(Continued)
Threats:
Border Security
Canal (Central Arizona Project)
Highway (I 19)
Railroad
Urbanization

Hydrology:
Box Canyon Wash
Demetrie Wash
Esperanza Wash
Santa Cruz River

(Linkage 93: Identified Species continued)
White-tailed Deer Odocoileus virginianus

Threats:
Border Security
Highway (US 19)
Railroad
Urbanization

Hydrology:
Diablo Wash
Josephine Canyon
Santa Cruz River
Tubac Creek
Linkage 94
Rincon – Whetstone – Santa Rita
Sky Island Ecoregion

County: Cochise and Pima

ADOT Engineering District: Safford and Tucson
ADOT Maintenance: Nogales, St. David, Tucson North and Tucson South
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District

Congressional District: 8
Council of Government: Pima Association of Governments and South Eastern Arizona Governments Organization
FHWA Engineering: A2

Legislative District: 25 and 30

Biotic Communities (Vegetation Types):
- Chihuahuan Desertscrub: 19.5%
- Madrean Evergreen Woodland: 2%
- Semidesert Grassland: 78.5%

Land Ownership:
- Bureau of Land Management: 3%
- Private Land: 29%
- State Trust Land: 68%

Identified Species:
- Black Bear Ursus americanus
- Chiracahua Leopard Frog Rana chiricahuensis
- Giant Spotted Whiptail Aspidoscelis burti stictogrammus
- Gila Chub Gila intermedia
- Gila Topminnow Poeciliopsis occidentalis occidentalis
- Javelina Tayassu tajacu
- Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae
- Longfin Dace Agosia chrysogaster
- Lowland Leopard Frog Rana yavapaiensis
- Mexican Long-tongued Bat Choeronycteris mexicana

(Continued)
- Mountain Lion Felis concolor
- Northern Gray Hawk Asturina nitida maxima
- Ornate Box Turtle Terrapene ornata
- Sonoran Desert Tortoise Gopherus agassizii
- Western Red Bat Lasiurus blossevillii
- Western Yellow-billed Cuckoo Cocyzus americana occidentalis
- White-tailed Deer Odocoileus virginianus

Threats:
- Border Security
- highway (I 10; SR 83)
- Railroad
- Urbanization

Hydrology:
- Agua Verde Creek
- Apache Canyon Stream
- Ash Creek
- Cienega Creek
- Cumaro Wash
- FortyNine Wash
- Martinez Wash
- Mescal Arroyo
- Montosa Canyon Stream
- Pantano Wash

Linkage 95
Santa Rita – Empire Complex
Sky Island Ecoregion

County: Pima and Santa Cruz

ADOT Engineering District: Tucson
ADOT Maintenance: Nogales
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District

Congressional District: 8
Council of Government: Pima Association of Governments and South Eastern Arizona Governments Organization
FHWA Engineering: A2

Legislative District: 30

Biotic Communities (Vegetation Types):
- Madrean Evergreen Woodland: 44%
- Plains & Great Basin Grassland: 16%
- Semidesert Grassland: 40%

Land Ownership:
- Bureau of Land Management: 15%
- Private Land: 51%
- State Trust Land: 3%
- USDA Forest Service (Coronado): 31%

Identified Species:
- Black Bear Ursus americanus
- Giant Spotted Whiptail Aspidoscelis burti stictogrammus
- Jaguar Panthera onca
- Javelina Tayassu tajacu
- Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae
- Longfin Dace Agosia chrysogaster
- Mountain Lion Felis concolor
- Northern Gray Hawk Asturina nitida maxima
- Mexican Spotted Owl Strix occidentalis lucida
- Pronghorn Antilocapra americana
Linkage 96
Patagonia – Santa Rita
Sky Island Ecoregion

County: Santa Cruz
ADOT Engineering District: Tucson
ADOT Maintenance: Nogales
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 7 and 8
Council of Government: South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 25 and 30

Biotic Communities (Vegetation Types):
- Madrean Evergreen woodland: 10%
- Semidesert Grassland: 90%

Land Ownership:
- Private Land: 96%
- State Trust Land: 4%

Identified Species:
- Black-bellied Whistling Duck Dendrocygna autumnalis
- Cactus Ferruginous Pygmy-owl Glaucidium brasilianum cactorum
- Cave Myotis Myotis velifer
- Chiracahua Leopard Frog Rana chiricahuensis
- Common Black Hawk Buteogallus anthracinus
- Desert Sucker Catostomus clarki
- Giant Spotted Whiptail Aspidoscelis burti stictogrammus
- Gila Topminnow Poeciliopsis occidentalis occidentalis
- Lesser Long-nosed Bat Leptonycteris curasoe yerbabuenae
- Longfin Dace Agosia chrysogaster
- Mexican Long-tongued Bat Choeronycteris mexicana

Threats:
- Border Security
- Highway (SR 82)
- Urbanization

Hydrology:
- Harshaw Creek
- Sonoita Creek

(Lineage 95: Identified Species continued)
Western Black Kingsnake Lampropeltis getula nigrita
Western Red Bat Lasiusurus closilevilli
White-tailed Deer Odocoileus virginianus
Yellow-nosed Cotton Rat Sigmodon ochrognathus

Threats:
- Border Security
- Highway (SR 83)
- Urbanization

Hydrology:
- Fortynine Wash
- Gardner Canyon Stream

(Lineage 96: Identified Species continued)
Mexican Spotted Owl Strix occidentalis lucida
Mule Deer Odocoileus hemionus
Northern Gray Hawk Asturina nichita maxima
Northern Mexican Gartersnake Thamnophis eques megalops
Rose-throated Becard Pachyramphus aglae
Speckled Dace Rhinichthys osculus
Thick-billed Kingbird Tyrannus crassirostris
Violet-crowned Hummingbird Amazilia violiceps
Western Yellow-billed Cuckoo Coccyzus americanus occidentalis
White-tailed Deer Odocoileus virginianus
Yellow-nosed Cotton Rat Sigmodon ochrognathus
Linkage 97
Whetstone – San Pedro River
Sky Island Ecoregion

County: Cochise
ADOT Engineering District: Safford
ADOT Maintenance: St. David
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 8
Council of Government: South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 25

Biotic Communities (Vegetation Types):
- Chihuahuan Desertsrub 27%
- Semidesert Grassland 73%

Land Ownership:
- Private Land 29%
- State Trust Land 71%

Identified Species:
- Arizona Ridge-nosed Rattlesnake Crotalus willardi willardi
- Cave Myotis Myotis velifer
- Giant Spotted Whiptail Aspidoscelis burti stictogrammus
- Javelina Tayassu tajacu
- Lesser Long-nosed Bat Leptonycteris curasoea yerbabuenae
- Mexican Long-tongued Bat Choeronycteris mexicana
- Mexican Spotted Owl Strix occidentalis lucida
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Northern Gray Hawk Asturina nitida maxima
- Texas Horned Lizard Phrynosoma cornutum
- Western Yellow-billed Cuckoo Coccyzus americanus occidentalis
- White-tailed Deer Odocoileus virginianus

Threats:
- Border Security
- Railroad
- Urbanization

Hydrology:
- California Wash
- Middle Canyon Wash

Linkage 98
Las Cienegas – Huachuca
Sky Island Ecoregion

County: Cochise and Santa Cruz
ADOT Engineering District: Safford and Tucson
ADOT Maintenance: Nogales and St. David
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 8
Council of Government: Pima Association of Governments and South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 25 and 30

Biotic Communities (Vegetation Types):
- Madrean Evergreen Woodland 7%
- Plains & Great Basin Grassland 87%
- Semidesert Grassland 6%

Land Ownership:
- Bureau of Land Management 2%
- Private Land 89.5%
- State Trust Land 8.5%

Identified Species:
- Baird's Sparrow Ammodramus bairdii
- Black Bear Ursus americanus
- Cave Myotis Myotis velifer
- Chiracahua Leopard Frog Rana chiricahuensis
- Mexican Spotted Owl Strix occidentalis lucida
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pronghorn Antilocapra Americana
- Ridge-nosed Rattlesnake Crotalus willardi willardi
- Sprague's Pipit Anthus spraguei
- Western Red Bat Lasiurus babesci
Linkage 99
Dragoon – San Pedro River
Sky Island Ecoregion

County: Cochise

ADOT Engineering District: Safford
ADOT Maintenance: Douglas and St. David
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 8
Council of Government: South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 25

Biotic Communities (Vegetation Types):
- Chihuahuan Desertsrub: 77%
- Madrean Evergreen Woodland: 4%
- Semidesert Grassland: 19%

Land Ownership:
- Bureau of Land Management: 7%
- Private Land: 19%
- State Trust Land: 74%

Identified Species:
- Javelina Tayassu tajacu
- Longfin Dace Agosia chrysogaster
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Northern Gray Hawk Asturina nitida maxima
- Northern Mexican Gartersnake Thamnophis eques megalops
- Ornate Box Turtle Terrapene ornata
- Texas Horned Lizard Phrynosoma cornutum
- Western Yellow-billed Cuckoo Coccyzus americanus occidentalis
- White-tailed Deer Odocoileus virginianus

Threats:
- Border Security
- Fences
- Highway (SR 80)
- Urbanization

Hydrology:
- Clifford Wash
- Haberstock Wash
- Walnut Gulch
- Willow Wash
Linkage 100
Fort Huachuca - San Pedro River
Sky Island Ecoregion

County: Cochise
ADOT Engineering District: Safford
ADOT Maintenance: St. David
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 8
Council of Government: South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 25 and 30

Biotic Communities (Vegetation Types):
- Semidesert Grassland 100%

Land Ownership:
- Department of Defense (Fort Huachuca) 55%
- Private Land 38%
- State Trust Land 7%

Identified Species:
- Black Bear Ursus americanus
- Cave Myotis Myotis velifer
- Javelina Tayassu tajacu
- Mountain Lion Felis concolor
- Ornate Box Turtle Terrapene ornata
- White-nosed Coati Nasua narica
- White-tailed Deer Odocoileus virginianus
- Wild Turkey Meleagris gallopavo

Threats:
- Border Security
- Highway (SR 90)
- Military Usage

Hydrology:
- Soldier Creek

(Continued)

Linkage 101
Chiricahuas - Peloncillos
Sky Island Ecoregion

County: Cochise
ADOT Engineering District: Safford
ADOT Maintenance: Douglas
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 8
Council of Government: South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 25

Biotic Communities (Vegetation Types):
- Chihuahuan Desertscrub 12%
- Madrean Evergreen Woodland 3%
- Semidesert Grassland 85%

Land Ownership:
- Private Land 35%
- State Trust Land 65%

Identified Species:
- Baird’s Sparrow Ammodramus bairdii
- Black Bear Ursus americanus
- Cave Myotis Myotis velifer
- Chiricahua Leopard Frog Rana chiricahuensis
- Desert Massasauga Sistrurus catenatus edwardsii
- Greater Western Mastiff Bat Eumops perotis californicus
- Jaguar Panthera onca
- Mexican Long-tongued Bat Choeronycteris mexicana
- Mountain Lion Felis concolor
- Ornate Box Turtle Terrapene ornata
- Texas Horned Lizard Phrynosoma cornutum
- White-nosed Coati Nasua narica
Linkage 102
Western International Border
Sky Island Ecoregion
Sonoran Desert Ecoregion

County: Pima, Santa Cruz and Yuma
ADOT Engineering District: Tucson and Yuma
ADOT Maintenance: Three Points and Yuma
ADOT Natural Resources Management Section: Phoenix and Tucson
AGFD: Region IV and Region V
BLM: Colorado River District, Gila District and Phoenix District
Congressional District: 7
Council of Government: Pima Association of Governments and Yuma Metropolitan Planning Organization
FHWA Engineering: A2 and A3
Legislative District: 24 and 25

Biotic Communities (Vegetation Types):
AZ Upland Sonoran Desertscrub
Lower Colorado River Sonoran Desertscrub
Semi-desert Grassland

*Note: Linkage extends into Mexico

Land Ownership:
Bureau of Land Management
National Parks
Tribal Land (Tohono O’odham)
State Trust Land

*Note: Linkage extends into Mexico

Identified Species:
Arizona Chuckwalla Sauromalus ater
Arizona Mud Turtle Kinosternon arizonense
Banded Gila Monster Heloderma suspectum cinctum
Bighorn Sheep Ovis canadensis
California Leaf-nosed Bat Macrotes californicus
Cave Myotis Myotis velifer

*Note: Linkage extends into Mexico

(Linkage 102: Identified Species continued)

Desert Rosy Boa Charina trivirgata gracilis
Giant Spotted Whiptail Aspidoscelis burti dictogrammus
Greater Western Mastiff Bat Eumops perotis californicus
Great Plains Narrow-mouthed Toad Gastrophryne olivacea
Javelina Tayassu tajacu
Kit Fox Vulpes macrotis
Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae
Long-legged Myotis Myotis volans
Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus
Massasauga Sistrurus catenatus
Mexican Rosy Boa Charina trivirgata
Mountain Lion Felis concolor
Mule Deer Odocoileus hemionus
Organ Pipe Shovel-nosed Snake Chionactis palmarostris
Organ Pipe Palmarostris
Palmarostris
Pocketed Free-tailed Bat Nyctinomops femorosaccus
Ridge-nosed Rattlesnake Crotalus willardi obscurus
Red-back Whiptail Aspidoscelis burti xanthonota
Sonoran Desert Tortoise Gopherus agassizii
Sonoran Pronghorn Antilocapra americana sonoriensis
Underwood’s Bonneted Bat Eumops underwoodii
Western Burrowing Owl Athene cunicularia pygaea
Yuma Myotis Myotis yumanensis

Threats:
Border Security
Burros
Fencing/Grazing
Highway (SR 85; Mexico Highway 2)
Military Usage
Urbanization

Hydrology:
Aguajita Wash
Chukut Kuk Wash
La Jolla Wash
San Simon Wash
Vamori Wash
**Linkage 103**

**Altar Valley – Mexico**  
Sky Island Ecoregion

**County:** Pima  
**ADOT Engineering District:** Tucson  
**ADOT Maintenance:** Three Points  
**ADOT Natural Resources Management Section:** Tucson  
**AGFD:** Region V  
**BLM:** Gila District and Phoenix District  
**Congressional District:** 7  
**Council of Government:** Pima Association of Governments  
**FHWA Engineering:** A2  
**Legislative District:** 25  
**Biotic Communities (Vegetation Types):**  
- Madrean Evergreen Woodland  
- Semidesert Grassland  
*Note: Linkage extends into Mexico*

**Land Ownership:**  
- National Wildlife Refuge Area (Buenos Aires)  
- Private Land  
- State Trust Land  
*Note: Linkage extends into Mexico*

**Identified Species:**  
- Arizona Mud Turtle *Kinosternon arizonense*  
- Baird’s Sparrow *Ammodramus bairdii*  
- Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
- California Leaf-nosed Bat *Macrotus californicus*  
- Cave Myotis *Myotis velifer*  
- Giant Spotted Whiptail *Aspidoscelis burti striatogrammus*  
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*  
- Jaguar *Panthera onca*  
- Javelina *Tayassu tajacu*

*Note: Linkage extends into Mexico*

**Hydrology:**  
- Arroyo del Sasabe  
- La Osa Wash

**Threats:**  
- Agriculture  
- Border Security  
- Highway (SR 286)  
- Urbanization

**Linkage 104**

**Tumacacori – Mexico**  
Sky Island Ecoregion

**County:** Pima and Santa Cruz  
**ADOT Engineering District:** Tucson  
**ADOT Maintenance:** Nogales and Three Points  
**ADOT Natural Resources Management Section:** Tucson  
**AGFD:** Region V  
**BLM:** Gila District  
**Congressional District:** 7  
**Council of Government:** South Eastern Arizona Governments Organization and Pima Association of Governments  
**FHWA Engineering:** A2  
**Legislative District:** 25  
**Biotic Communities (Vegetation Types):**  
- Madrean Evergreen Woodland  
- Semidesert Grassland  
*Note: Linkage extends into Mexico*

**Land Ownership:** Private Land  
*Note: Linkage extends into Mexico*

**Identified Species:**  
- Baird’s Sparrow *Ammodramus bairdii*  
- Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*  
- California Leaf-nosed Bat *Macrotus californicus*  
- Cave Myotis *Myotis velifer*  
- Elegant Trogon *Trogon elegans*  
- Giant Spotted Whiptail *Aspidoscelis burti striatogrammus*  
- Gila Topminnow *Poeciliopsis occidentalis occidentalis*  
- Jaguar *Panthera onca*  
- Javelina *Tayassu tajacu*  
- Lowland Leopard Frog *Rana yavapaiensis*  
- Longfin Dace *Agosia chrysogaster*
Section VII Potential Linkage Zones

Linkage 105
Santa Cruz – Mexico
Sky Island Ecoregion

County: Santa Cruz
ADOT Engineering District: Tucson
ADOT Maintenance: Nogales
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 7
Council of Government: South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 25
Biotic Communities (Vegetation Types):
- Madrean Evergreen Woodland
- Semidesert Grassland
*Note: Linkage extends into Mexico

Land Ownership:
- Private Land
*Note: Linkage extends into Mexico

Identified Species:
- Black-bellied Whistling Duck Dendrocygna autumnalis
- Giant Spotted Whiptail Aspidoscelis burti strictogrammus
- Great Plains Narrow-mouthed Toad Gastrophryne olivacea
- Jaguar Panthera onca
- Javelina Tayassu tajacu
- Lowland Leopard Frog Rana yavapaiensis
- Madrean Spotted Owl Strix occidentalis lucida
- Mountain Lion Felis concolor
- Northern Bobwhite Colinus virginianus
- Northern Bobwhite Bobwhite Colinus virginianus
- Northern Mexican Gartersnake Thamnophis eques megalops
- Northern Mexican Gartersnake Thamnophis eques occidentalis
- Black-bellied Whistling Duck Dendrocygna autumnalis
- White-tailed Deer Odocoileus virginianus
- Yellow-nosed Cotton Rat Sigmodon ochrognathus
- Western Yellow-billed Cuckoo Coccyzus americanus

Threats:
- Border Security
- De-watering of the River
- Urbanization

Hydrology:
- Santa Cruz River

(Identified Species continued)
- Mexican Long-tongued Bat Choeronycteris mexicana
- Mexican Spotted Owl Strix occidentalis
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Northern Gray Hawk Buteo nitida major
- Northern Mexican Gartersnake Thamnophis eques megalops
- Southwestern Willow Flycatcher Empidonax traillii extimus
- Thick-billed Kingbird Tyrannus crassirostris
- Western Yellow-billed Cuckoo Coccyzus americanus
- White-tailed Deer Odocoileus virginianus
- Yellow-nosed Cotton Rat Sigmodon ochrognathus

*Note: Linkage extends into Mexico
**Linkage 106**  
**Patagonia/Huachuca – Mexico**  
Sky Island Ecoregion

**County:** Cochise and Santa Cruz  
**ADOT Engineering District:** Safford and Tucson  
**ADOT Maintenance:** Douglas and Nogales  
**ADOT Natural Resources Management Section:** Tucson  
**AGFD:** Region V  
**BLM:** Gila District  
**Congressional District:** 7 and 8  
**Council of Government:** South Eastern Arizona Governments Organization  
**FHWA Engineering:** A2  
**Legislative District:** 25  
**Biotic Communities (Vegetation Types):**  
- Madrean Evergreen Woodland  
- Plains & Great Plains Grassland  
- Semidesert Grassland  
*Note: Linkage extends into Mexico*

**Land Ownership:**  
- Private Land  
- USDA Forest Service (Coronado)  
*Note: Linkage extends into Mexico*

**Identified Species:**  
- Arizona Ridge-nosed Rattlesnake *Crotalus willardi willardi*  
- Baird’s Sparrow *Ammodramus bairdii*  
- Chiracahua Leopard Frog *Rana chiricahuensis*  
- Desert Massasauga *Sistrurus catenatus edwardsii*  
- Jaguar Panthera onca  
- Javelina *Tayassu tajacu*  
- Longfin Dace *Agostia chrysogaster*  
- Mexican Spotted Owl *Strix occidentalis lucida*  
- Mountain Lion *Felis concolor*  
- Mule Deer *Odocoileus hemionus*

*Linkage 106: Identified Species continued*  
- Northern Buff-breasted Flycatcher *Empidonax fulvifrons*  
- Northern Gray Hawk *Asturina nitida maxima*  
- Northern Mexican Gartersnake *Thamnophis eques megalops*  
- Ridge-nosed Rattlesnake *Crotalus willardi willardi*  
- Texas Horned Lizard *Phrynosoma cornutum*  
- Violet-crowned Hummingbird *Amazilia violiceps*  
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*  
- White-tailed Deer *Odocoileus virginianus*  
- Yellow-nosed Cotton Rat *Sigmodon ochrogaster*

**Threats:**  
- Border Security  
- Urbanization

**Hydrology:**  
- Bear Creek  
- Joaquin Creek  
- Santa Cruz River

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**Linkage 107**  
**San Pedro River – Mexico**  
Sky Island Ecoregion

**County:** Cochise  
**ADOT Engineering District:** Safford  
**ADOT Maintenance:** Douglas  
**ADOT Natural Resources Management Section:** Tucson  
**AGFD:** Region V  
**BLM:** Gila District  
**Congressional District:** 8  
**Council of Government:** South Eastern Arizona Governments Organization  
**FHWA Engineering:** A2  
**Legislative District:** 25  
**Biotic Communities (Vegetation Types):**  
- Semidesert Grassland  
*Note: Linkage extends into Mexico*

**Land Ownership:**  
- Bureau of Land Management  
- Private Land  
*Note: Linkage extends into Mexico*

**Identified Species:**  
- Arizona Ridge-nosed Rattlesnake *Crotalus willardi willardi*  
- Baird’s Sparrow *Ammodramus bairdii*  
- Bobcat *Lynx rufus*  
- Black-bellied Whistling Duck *Dendrocygna autumnalis*  
- Cave Myotis *Myotis velifer*  
- Chiracahua Leopard Frog *Rana chiricahuensis*  
- Desert Sucker *Catostomus clarki*  
- Jaguar Panthera onca  
- Longfin Dace *Agostia chrysogaster*  
- Lowland Leopard Frog *Rana yavapaiensis*  
- Mountain Lion *Felis concolor*  
- Northern Gray Hawk *Asturina nitida maxima*
Linkage 108
San Bernadino - Mexico
Sky Island Ecoregion

County: Cochise
ADOT Engineering District: Safford
ADOT Maintenance: Douglas
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 8
Council of Government: South Eastern Governments Organization
FHWA Engineering: A2
Legislative District: 25

Biotic Communities (Vegetation Types):
Chihuahuan Desertscrub
*Note: Linkage extends into Mexico

Land Ownership:
Bureau of Land Management
National Wildlife Refuge (San Bernadino)
Private Land
State Trust Land
*Note: Linkage extends into Mexico

Identified Species:
Baird’s Sparrow Ammodramus bairdii
Bobcat Lynx rufus
Black Bear Ursus americanus
Cave Myotis Myotis velifer
Chiracahua Leopard Frog Rana chiricahuensis
Desert Massasauga Sistrurus catenatus edwardsi
Greater Western Mastiff Bat Eumops perotis califomnicus
Jaguar Panthera onca
Mexican Long-tongued Bat Choeronycteris mexicana
Mountain Lion Felis concolor

(Linkage 108: Identified Species continued)
Texas Horned Lizard Phrynosoma cornutum
White-nosed Coati Nasua narica

Threats:
Agriculture
Border Security
Urbanization

Hydrology:
Black Draw
Hay Hollow Wash
Silver Creek

(Linksage 107: Identified Species continued)
Northern Mexican Gartersnake Thamnophis eques megalops
Western Yellow-billed Cuckoo Coccyzus americanus occidentalis
White-tailed Deer Odocoileus virginianus
Yellow-nosed Cotton Rat Sigmodon oahuognathus

Threats:
Border Security
Highway (SR 92)
Urbanization

Hydrology:
San Pedro River
Linkage 109
Peloncillo – Mexico
Sky Island Ecoregion

County: Cochise
ADOT Engineering District: Safford
ADOT Maintenance: Douglas
ADOT Natural Resources Management Section: Tucson
AGFD: Region V
BLM: Gila District
Congressional District: 8
Council of Government: South Eastern Arizona Governments Organization
FHWA Engineering: A2
Legislative District: 25

Biotic Communities (Vegetation Types):
  Chihuahuan Desertscape
  Madrean Evergreen woodland
  Semidesert Grassland
*Note: Linkage extends into Mexico

Land Ownership:
  Bureau of Land Management
  Private Land
  State Land
*Note: Linkage extends into Mexico

Identified Species:
  Baird’s Sparrow Ammodramus bairdii
  Black Bear Ursus americanus
  Cave Myotis Myotis velifer
  Chiracahua Leopard Frog Rana chiricahuensis
  Desert Massasauga Sistrurus catenatus edwardsii
  Greater Western Mastiff Bat Eumops perotis californicus
  Jaguar Panthera onca
  Mexican Long-tongued Bat Choeronycteris mexicana
  Mountain Lion Felis concolor

(Linkage 109: Identified Species continued)
  Texas Horned Lizard Phrynosoma cornutum
  White-nosed Coati Nasua narica

Threats:
  Agriculture
  Border Security
  Urbanization

Hydrology:
  Guadalupe Canyon

*Note: Linkage extends into Mexico

Linkage 110
Beaver Dam Slope East – West
Mohave Desert Ecoregion

County: Mohave
ADOT Engineering District: Flagstaff
ADOT Maintenance: Fredonia
ADOT Natural Resources Management Section: Flagstaff
AGFD: Region II
BLM: Arizona Strip District
Congressional District: 2
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A2
Legislative District: 3

Biotic Communities (Vegetation Types):
  Mohave Desertscrub 82%
*Note: Linkage extends into Utah

Land Ownership:
  Bureau of Land Management 66%
  State Trust Land 16%
*Note: Linkage extends into Utah

Identified Species:
  Allen’s Big-eared Bat Idionycteris phyllotis
  American Peregrine Falcon Falco pergrinus anatum
  Arizona Toad Bufo microscaphus
  Bobcat Lynx rufus
  Banded Gila Monster Heloderma suspectum cinctum
  Bighorn Sheep Ovis canadensis
  California Leaf-nosed Bat Macrotrus californicus
  Common Black-hawk Buteogallus anthracinus
  Hoary Bat Lasiusus cinereus
  Kit Fox Vulpes macrotis
  Lowland Leopard Frog Rana yavapaiensis
  Maricopa Tiger Beetle Cicindela oregona maricopa
  Mohave Desert Tortoise Gopherus agassizii

*Note: Linkage extends into Utah
### Linkage 111
Mohave Mountains – Castaneda Hills
Mohave Desert Ecoregion

<table>
<thead>
<tr>
<th>Threats:</th>
<th>Recreation</th>
<th>Urbanization</th>
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<tbody>
<tr>
<td>Hydrology:</td>
<td>Crozier Wash</td>
<td>Middle Mohave Wash</td>
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<table>
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<tr>
<th>Identified Species:</th>
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<tbody>
<tr>
<td>American Peregrine Falcon <em>Falco peregrinus anatum</em></td>
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<tr>
<td>Arizona Chuckwalla <em>Sauromalus ater</em></td>
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<tr>
<td>Banded Gila Monster <em>Heloderma suspectum cinctum</em></td>
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<td>Big Free-tailed Bat <em>Nyctinomops macrotus</em></td>
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<tr>
<td>Bighorn Sheep <em>Ovis canadensis</em></td>
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<tr>
<td>Bobcat <em>Lynx rufus</em></td>
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<td>California Leaf-Nosed Bat <em>Macrotus californicus</em></td>
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<td>Cave Myotis <em>Myotis velifer</em></td>
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<td>Desert Rosy Boa <em>Charina trivirgata gracilis</em></td>
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<td>Fringed Myotis <em>Myotis thysanodes</em></td>
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<td>Greater Western Mastiff <em>Eumops perotis californicus</em></td>
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<td>Kit Fox <em>Vulpes macrotis</em></td>
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<td>Long-legged Myotis <em>Myotis volans</em></td>
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<tr>
<td>Mohave Desert Tortoise <em>Gopherus agassizii</em></td>
</tr>
</tbody>
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### Linkage 110: Identified Species continued

| Mountain Lion *Felis concolor* |
| Mule Deer *Odocoileus hemionus* |
| Pale Townsend’s Big-eared Bat *Corynorhinus townsendii pallasii* |
| Pocketed Free-tailed Bat *Nyctinomops femorosaccus* |
| Sonoran Desert Tortoise *Gopherus agassizii* |
| Speckled Rattlesnake *Crotalus mitchelli* |
| Swainson’s Hawk *Buteo swainsoni* |
| Western Burrowing Owl *Athene cunicularia hypugaea* |
| Yuma Myotis *Myotis yumanensis* |

### Linkage 111: Identified Species continued

| Mountain Lion *Felis concolor* |
| Mule Deer *Odocoileus hemionus* |
| Pale Townsend’s Big-eared Bat *Corynorhinus townsendii pallasii* |
| Pocketed Free-tailed Bat *Nyctinomops femorosaccus* |
| Sonoran Desert Tortoise *Gopherus agassizii* |
| Speckled Rattlesnake *Crotalus mitchelli* |
| Swainson’s Hawk *Buteo swainsoni* |
| Western Burrowing Owl *Athene cunicularia hypugaea* |
| Yuma Myotis *Myotis yumanensis* |

### Hydrology:
- Crozier Wash
- Middle Mohave Wash
- Mohave Wash
- Standard Wash

### Biotic Communities (Vegetation Types):
- **Mohave Desertscrub**:
  - 93%
- **Sonoran Desertscrub**:
  - 7%

### Land Ownership:
- Bureau of Land Management: 99%
- Private Land: 1%

### Legislative District:
- 3

### ADOT Engineering District:
- Kingman

### ADOT Maintenance:
- Needle Mountain

### ADOT Natural Resources Management Section:
- Prescott

### AGFD:
- Region III

### BLM:
- Colorado River District

### Congressional District:
- 2

### Council of Government:
- Western Arizona Council of Governments

### FHWA Engineering:
- A4
**Linkage 112**
Gibraltar Mountain – Cactus Plain
Sonoran Desert Ecoregion

**County:** La Paz

**ADOT Engineering District:** Yuma
**ADOT Maintenance:** Quartzsite
**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region IV

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Western Arizona Council of Governments

**FHWA Engineering:** A3

**Legislative District:** 3

**Biotic Communities (Vegetation Types):**
- Lower Colorado River Sonoran Desertsrub: 100%

**Land Ownership:**
- Bureau of Land Management: 100%

**Identified Species:**
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinquem
- Bald Eagle Haliaeetus leucocephalus
- Big Free-tailed Bat Nyctinomops macrotis
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macroto californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Mojave Fringe-toed Lizard Uma scoparia
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops feroxaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Southwest Willow Flycatcher Empidonax traillii extimus
- Yuma Myotis Myotis yumanensis

**(Linkage 112: continued)**

**Threats:**
- Burros
- Central Arizona Project Canal Recreation Road (Osborne Well Road)

**Hydrology:**
- Osborne Wash

**Linkage 113**
Poachie Range – Black Mountains
Sonoran Desert Ecoregion

**County:** Yavapai

**ADOT Engineering District:** Kingman
**ADOT Maintenance:** Wikieup
**ADOT Natural Resources Management Section:** Prescott

**AGFD:** Region III and Region IV

**BLM:** Colorado River District

**Congressional District:** 1

**Council of Government:** Northern Arizona Council of Governments

**FHWA Engineering:** A4

**Legislative District:** 4

**Biotic Communities (Vegetation Types):**
- AZ Upland Sonoran Desertsrub: 100%

**Land Ownership:**
- Bureau of Land Management: 95%
- Private Land: 1%
- State Trust Land: 4%

**Identified Species:**
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Chuckwalla Sauromalus ater
- Arizona Myotis Myotis occultus
- Arizona Night Lizard Xantusia arizonae
- Arizona Toad Bufo microscaphus
- Banded Gila Monster Heloderma suspectum cinquem
- Big Free-tailed Bat Nyctinomops macrotis
- Bobcat Lynx rufus
- California Leaf-nosed Bat Macroto californicus
- Cave Myotis Myotis velifer
- Common Black-hawk Butaeo gallicus arthracinus
- Desert Rosy Boa Charina trivirgata gracila
- Fringed Myotis Myotis thysanodes
Linkage 114
Harcuvar Mountains – Black Mountains
Sonoran Desert Ecoregion

County: Yavapai
ADOT Engineering District: Prescott and Kingman
ADOT Maintenance: Wickenburg and Wikieup
ADOT Natural Resources Management Section: Prescott
AGFD: Region IV
BLM: Colorado River District and Phoenix District
Congressional District: 1
Council of Government: Northern Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 4

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 7%
- Mohave Desertsrub 93%

Land Ownership:
- Bureau of Land Management 85%
- Private Land 6%
- State Trust Land 9%

Identified Species:
- American Peregrine Falcon Falco peregrinus anatum
- Arizona Chuckwalla Sauromalus ater
- Arizona Myotis Myotis occultus
- Arizona Night Lizard Xantusia arizonae
- Arizona Toad Bufo microscaphus
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotis
- Bobcat Lynx rufus
- California Leaf-nosed Bat Macrotes californicus
- Cave Myotis Myotis velifer
- Common Black-hawk Buteo galus anthracinus
- Desert Rosy Boa Charina trivirgata gracilis

Threats:
- Recreation
- Urbanization

Hydrology:
- Peoples Creek
- Santa Maria River

Linkage 114: Identified Species continued
- Gambel’s Quail Callipepla gambeli
- Greater Western Mastiff Bat Eumops perotis californicus
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis
- Longfin Dace Agosia chrysogaster
- Long-legged Myotis Myotis volans
- Lowland Leopard Frog Rana yavapaiensis
- Mohave Desert Tortoise Gopherus agassizii
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Pronghorn Antilocapra americana
- Ringtail Bassariscus astutus
- Sonoran Desert Tortoise Gopherus agassizii
- Sonora Sucker Catostomus insignis
- Speckled Rattlesnake Crotalus mitchelli
- Swainson’s Hawk Buteo swainsoni
- Western Burrowing Owl Athene cunicularia hypugaea
- Western Small-footed Bat Myotis ciliolabrum
- Western Yellow-billed Cuckoo Coccyzus americanus occidentalis
- Yuma Clapper Rail Rallus longirostris yumanensis
- Yuma Myotis Myotis yumanensis
- Zone-tailed Hawk Buteo albonotatus

Threats:
- Recreation
- Roads (Alamo Road; Palmerito Ranch Road)

Hydrology:
- Bullard Wash
- Date Creek
- Miller Wash
Linkage 115
Cunningham Pass
Sonoran Desert Ecoregion

County: La Paz
ADOT Engineering District: Prescott
ADOT Maintenance: Wickenburg
ADOT Natural Resources Management Section: Prescott
AGFD: Region IV
BLM: Colorado River District
Congressional District: 2 and 7
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 3

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 98%
- Lower Colorado River Sonoran Desertsrub 2%

Land Ownership:
- Bureau of Land Management 89%
- Private Land 11%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Lowland Leopard Frog Rana yavapaiensis
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Myotis Myotis yumanensis

(Linkage 115: Identified Species continued)

Threats:
- Powerline Corridor
- Recreation Roads (Alamo Road)
- Urbanization

Hydrology:
- None identified

Linkage 116
North – South Plumosa Mountains
Sonoran Desert Ecoregion

County: La Paz
ADOT Engineering District: Yuma
ADOT Maintenance: Quartzsite
ADOT Natural Resources Management Section: Prescott
AGFD: Region IV
BLM: Colorado River District
Congressional District: 7
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A3
Legislative District: 3

Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertsrub 100%

Land Ownership:
- Bureau of Land Management 100%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotis
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotis californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Mojave Fringe-toed Lizard Uma scoparia
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Myotis Myotis yumanensis
Section VII Potential Linkage Zones

(Linkage 116: continued)

Threats:
- Urbanization
- None identified
- Recreation
- Road (Plumosa Road)

Hydrology:
- None identified

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(Linkage 117: continued)

Threats:
- Urbanization

Hydrology:
- Mohave Wash

County: La Paz

ADOT Engineering District: Yuma
ADOT Maintenance: Quartzsite
ADOT Natural Resources Management Section: Phoenix

AGFD: Region IV

BLM: Colorado River District

Congressional District: 7

Council of Government: Western Arizona Council of Governments

FHWA Engineering: A3

Legislative District: 24

Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertsrub 100%

Land Ownership:
- Department of Defense (Yuma Test Range) 98%
- State Trust Land 2%

Identified Species:
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend's Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Myotis Myotis yumanensis
Linkage 118
Indian Well – Livingston Hills
Sonoran Desert Ecoregion

County: La Paz
ADOT Engineering District: Yuma
ADOT Maintenance: Quartzsite
ADOT Natural Resources Management Section: Phoenix
AGFD: Region IV
BLM: Colorado River District
Congressional District: 7
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A3
Legislative District: 24

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 20%
- Lower Colorado River Sonoran Desertsrub 80%

Land Ownership:
- National Wildlife Refuge (Kofa) 95%
- Private Land 5%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotes californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Javelina Tayassu tajacu
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii

(Linkage 118: Identified Species continued)
- Yuma Myotis Myotis yumanensis

Threats:
- Recreation Roads (Pipeline Road)

Hydrology:
- Cave Creek
- French Creek

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Linkage 119
Livingston Hills – Kofa Mountains
Sonoran Desert Ecoregion

County: La Paz and Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Quartzsite
ADOT Natural Resources Management Section: Phoenix
AGFD: Region IV
BLM: Colorado River District
Congressional District: 7
Council of Government: Western Arizona Council of Governments and Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 46%
- Lower Colorado River Sonoran Desertsrub 54%

Land Ownership:
- National Wildlife Refuge (Kofa) 100%

Identified Species:
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotes californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Myotis Myotis yumanensis
Linkage 120
Eagletail Mountains – Clanton Hills – Little Horn Mountains
Sonoran Desert Ecoregion

County: La Paz, Maricopa and Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Gila Bend and Quartzsite
ADOT Natural Resources Management Section: Phoenix and Prescott
AGFD: Region IV
BLM: Colorado River District
Congressional District: 7
Council of Government: Maricopa Association of Governments, Western Arizona Council of Governments and Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24 and 25

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub 27%
- Lower Colorado River Sonoran Desertscrub 73%

Land Ownership:
- Bureau of Land Management 96%
- Private Land 4%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- Bobcat Lynx rufus
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans

Threats:
- Off Road Usage
- Recreation
- Roads (Palomas Harquahala Road)

Hydrology:
- Deadman Wash

(Identification continued)
- Mountain Lion Felis concolor
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallidus
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Myotis Myotis yumanensis
Linkage 121
Harquahala Mountains – Little Harquahala Mountains
Sonoran Desert Ecoregion

County: La Paz
ADOT Engineering District: Prescott
ADOT Maintenance: Wickenburg
ADOT Natural Resources Management Section: Prescott
AGFD: Region IV
BLM: Colorado River District
Congressional District: 7
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A4
Legislative District: 24

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 51%
- Lower Colorado River Sonoran Desertsrub 49%

Land Ownership:
- Bureau of Land Management 85%
- Private Land 11%
- State Trust Land 4%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Lowland Leopard Frog Rana yavapaiensis
- Pale Townsend's Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus

(Identified Species continued)
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Myotis Myotis yumanensis

Threats:
- Off Road Usage
- Recreation
- Roads (Salome Road, Sorefinger Road)
- Urbanization

Hydrology:
- Centennial Wash

Linkage 122
Harquahala Mountains – Belmont Mountains – Big Horn Mountains
Sonoran Desert Ecoregion

County: Maricopa
ADOT Engineering District: Prescott and Yuma
ADOT Maintenance: Gila Bend and Wickenburg
ADOT Natural Resources Management Section: Prescott
AGFD: Region 4
BLM: Phoenix District
Congressional District: 2
Council of Government: Maricopa Association of Governments
FHWA Engineering: A3 and A4
Legislative District: 4 and 25

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 78%
- Lower Colorado River Sonoran Desertsrub 22%

Land Ownership:
- Bureau of Land Management 99%
- State Trust Land 1%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotis
- Bighorn Sheep Ovis canadensis
- Bobcat Lynx rufus
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend's Big-eared Bat Corynorhinus townsendii pallescens

(Identified Species continued)
Linkage 123
Mohave Peak – Chocolate Mountains
Sonoran Desert Ecoregion

County: La Paz
ADOT Engineering District: Yuma
ADOT Maintenance: Quartzsite
AGFD: Region IV
BLM: Colorado River District
Congressional District: 7
Council of Government: Western Arizona Council of Governments
FHWA Engineering: A3
Legislative District: 24
Biotic Communities (Vegetation Types):
  Lower Colorado River Sonoran Desertscrub  100%
Land Ownership:
  Department of Defense (Yuma Test Range)  100%
Identified Species:
  Banded Gila Monster Heloderma suspectum cinctum
  Big Free-tailed Bat Nyctinomops macrotus
  Bighorn Sheep Ovis canadensis
  California Leaf-nosed Bat Macrotus californicus
  Cave Myotis Myotis velifer
  Greater Western Mastiff Bat Eumops perotis californicus
  Long-legged Myotis Myoptis volans
  Mountain Lion Felis concolor
  Pale Townsend's Big-eared Bat Corynorhinus townsendii pallescens
  Pocketed Free-tailed Bat Nyctinomops femorosaccus
  Sonoran Desert Tortoise Gopherus agassizii
  Yuma Myotis Myotis yumanensis

Threats:
  Military Usage

Hydrology:
  McAllister Wash

Threats:
  Military Usage
  Off Road Usage
  Recreation Roads
  Urbanization

Hydrology:
  Tiger Wash

(Linkage 122: Identified Species continued)
  Pocketed Free-tailed Bat Nyctinomops femorosaccus
  Sonoran Desert Tortoise Gopherus agassizii
  Yuma Myotis Myotis yumanensis

Threats:
  Off Road Usage
  Recreation
  Roads
  Urbanization

Hydrology:
  Tiger Wash

(Linkage 123: Threats continued)
  Off Road Usage

Hydrology:
  McAllister Wash
Linkage 124
Kofa Mountains – Castle Dome
Sonoran Desert Ecoregion

County: Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Quartzsite
ADOT Natural Resources Management Section: Phoenix
AGFD: Region IV
BLM: Colorado River District
Congressional District: 7
Council of Government: Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub 65%
- Lower Colorado River Sonoran Desertscrub 35%

Land Ownership:
- National Wildlife Refuge (Kofa) 100%

Identified Species:
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Greater Western Mastiff Bat Eumops perotis californicus
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Myotis Myotis yumanensis

(Continued)

Threats:
- Off Road Usage
- Recreation
- Roads

Hydrology:
- None identified

Linkage 125
Tank Mountains – Palomas Mountains
Sonoran Desert Ecoregion

County: Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Yuma
ADOT Natural Resources Management Section: Phoenix
AGFD: Region IV
BLM: Colorado River District
Congressional District: 7
Council of Government: Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24

Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertscrub 100%

Land Ownership:
- Bureau of Land Management 51.5%
- Department of Defense (Yuma Test Range) 45%
- State Trust Land 3.5%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Flat-tailed Horned Lizard Phrynosoma mcallii
- Great Egret Ardea alba
- Greater Western Mastiff Bat Eumops perotis californicus
- Least Bittern Ixobrychus exilis
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
Linkage 126
Bunyan Peak – Painted Rock Mountains
Sky Island Ecoregion

County: Maricopa
ADOT Engineering District: Yuma
ADOT Maintenance: Gila Bend
ADOT Natural Resources Management Section: Phoenix
AGFD: Region IV
BLM: Phoenix District
Congressional District: 7
Council of Government: Maricopa Association of Governments
FHWA Engineering: A3
Legislative District: 25

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub 43%
- Lower Colorado River Desertscrub 57%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Flat-tailed Horned Lizard Phrynosoma mcallii
- Great Egret Ardea alba
- Greater Western Mastiff Bat Eumops perotis californicus
- Least Bittern Ixobrychus exilis
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens

Hydrology:
- None identified

Threats:
- Military Usage
- Off Road Usage
- Recreation
- Roads (Old Palomas – Yuma Road)

Linkage 125: Identified Species continued
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Sonoran Desert Tortoise Gopherus agassizii
- Sonoran Pronghorn Antilocapra americana sonoriensis
- Southwestern Willow Flycatcher Empidonax trailli extimus
- Snowy Egret Egretta thula
- Spotted Bat Euderma maculatum
- Western Burrowing Owl Athene cunicularia hypugaea
- Western Yellow-billed Cuckoo Cucocyzus americanus occidentalis
- White-faced Ibis Plegadis chihi
- Yuma Clapper Rail Rallus longirostris yumanensis
- Yuman Desert Fringe-toed Lizard Uma notata rufopunctata

Hydrology:
- Painted Rock Reservoir

Threats:
- Off Road Usage
- Recreation
- Roads

Linkage 125: Identified Species continued
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Flat-tailed Horned Lizard Phrynosoma mcallii
- Great Egret Ardea alba
- Greater Western Mastiff Bat Eumops perotis californicus
- Least Bittern Ixobrychus exilis
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
Linkage 127
Margies Peak – Sheep Mountain
Sonoran Desert Ecoregion

County: Maricopa
ADOT Engineering District: Yuma
ADOT Maintenance: Gila Bend
ADOT Natural Resources Management Section: Phoenix
AGFD: Region IV and Region VI
BLM: Phoenix District
Congressional District: 7
Council of Government: Maricopa Association of Governments
FHWA Engineering: A3
Legislative District: 25
Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 56%
- Lower Colorado River Sonoran Desertsrub 44%
Land Ownership: Bureau of Land Management 100%
Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Helodermia suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotrus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracia
- Greater Western Mastiff Bat Eumops perotis californicus
- Javelina Tayassu tajacu
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops fumosus

(Linkage 127: Identified Species continued)
- Sonoran Desert Tortoise Gopherus agassizii
- Yuma Clapper Rail Rallus longirostris yumanensis
- Yuma Myotis Myotis yumanensis

Threats:
- Off Road Usage
- Recreation
- Roads

Hydrology:
- None identified

Linkage 128
North Maricopa – South Maricopa Mountains
Sonoran Desert Ecoregion

County: Maricopa
ADOT Engineering District: Tucson and Yuma
ADOT Maintenance: Casa Grande and Gila Bend
ADOT Natural Resources Management Section: Phoenix
AGFD: Region IV
BLM: Phoenix District
Congressional District: 7
Council of Government: Maricopa Association of Governments
FHWA Engineering: A2 and A3
Legislative District: 25
Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertsrub 54%
- Lower Colorado River Sonoran Desertsrub 46%
Land Ownership: Bureau of Land Management 100%
Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Helodermia suspectum cinctum
- Big Free-tailed Bat Nyctinomops macrotus
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotrus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracia
- Greater Western Mastiff Bat Eumops perotis californicus
- Javelina Tayassu tajacu
- Long-legged Myotis Myotis volans
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops fumosus
Linkage 129
Southern Colorado River
Sonoran Desert Ecoregion

County: Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Yuma
ADOT Natural Resources Management Section: Phoenix
AGFD: Region 4
BLM: Colorado River District
Congressional District: 7
Council of Government: Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24

Biotic Communities (Vegetation Types):
Lower Colorado River Sonoran Desertscrub 53%

*Note: Linkage extends into California

Land Ownership:
Bureau of Land Management 13%
National Wildlife Refuge (Imperial Mountain) 4%
Private Land 25%
State Trust Land 7%
Tribal Land (Cocopah; Fort Yuma) 5%

*Note: Linkage extends into California

Identified Species:
Arizona Chuckwalla Sauromalus ater
Banded Gila Monster Heloderma suspectum cinctum
Big Free-tailed Bat Nyctinomops femorosaccus
Bighorn Sheep Ovis canadensis
California Leaf-nosed Bat Macrotus californicus
Cave Myotis Myotis velifer
Desert Rosy Boa Charina brivirgata gracilis
Great Egret Ardea alba
Greater Western Mastiff Bat Eumops perotis californicus

*Note: Linkage extends into California

Hydrology:
All American Canal
Arizona Wash
Colorado River
East Main Canal
Ferguson Wash
Gila River
Indian Wash
Los Angeles Wash
Main Canal
Main Outlet Drain

Threats:
Border Security
Canal (All American Canal; East Main Canal; Main Canal; Main Outlet Drain; North Drain; North Gila Main Canal; Thacker Laterals; West Main Canal)
Highways and Roads (California County Road S24; Fishers Landing Road; I 8; Laguna Dam Road; Red Cloud Mine Road)

Military Usage
Off Road Usage
Railroad
Recreation
Urbanization

(Linkage 129: Identified Species continued)
Long-legged Bat Myotis volans
Mountain Lion Felis concolor
Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallidus
Pocketed Free-tailed Bat Nyctinomops femorosaccus
Pronghorn Antilocapra americana
Snowy Egret Egretta thula
Sonoran Desert Tortoise Gopherus agassizii
Spotted Bat Euderma maculatum
Western Burrowing Owl Athene cunicularia hypugaea
Western Yellow-billed Cuckoo Coccyzus americanus
Occidentalis
Yuma Clapper Rail Rallus longirostris yumanensis
Yuma Myotis Myotis yumanensis
Yuman Desert Fringe-toed Lizard Uma notata rufopunctata

(Linkage 128: Identified Species continued)
Sonoran Desert Tortoise Gopherus agassizii
Yuma Clapper Rail Rallus longirostris yumanensis
Yuma Myotis Myotis yumanensis

Hydrology:
None identified

Threats:
Off Road Usage
Railroad
Urbanization

(Linkage 128: Identified Species continued)
Sonoran Desert Tortoise Gopherus agassizii
Yuma Clapper Rail Rallus longirostris yumanensis
Yuma Myotis Myotis yumanensis
Linkage 130
Chocolate Mountains – Trigo Mountains –
Laguna Mountains
Sonoran Desert Ecoregion

County: La Paz and Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Yuma
ADOT Natural Resources Management Section: Phoenix
AGFD: Region 4
BLM: Colorado River District
Congressional District: 7
Council of Government: Western Arizona Council of Governments and Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24
Biotic Communities (Vegetation Types):
Lower Colorado River Sonoran Desertsrub 100%

Land Ownership:
Bureau of Land Management 20%
Department of Defense (Yuma Test Range) 43%
National Wildlife Refuge (Imperial Mountain) 18%
Private Land 2%
State Trust Land 12%
*Note: Linkage extends into California

Identified Species:
Arizona Chuckwalla Sauromalus ater
Banded Gila Monster Heloderma suspectum cinctum
Big Free-tailed Bat Nyctinomops macrotus
Bighorn Sheep Ovis canadensis
California Leaf-nosed Bat Macrotes californicus
Cave Myotis Myotis velifer
Desert Rosy Boa Charina trivirgata gracia
Great Egret Ardea alba

(Linkage 130: Identified Species continued)
Greater Western Mastiff Bat Eumops perotis californicus
Long-legged Bat Myotis volans
Mountain Lion Felis concolor
Pale Townsend’s Big-eared Bat Corynorhinus townsendii palleceens
Pocketed Free-tailed Bat Nyctinomops femorosaccus
Pronghorn Antilocapra americana
Snowy Egret Egretta thula
Sonoran Desert Tortoise Gopherus agassizii
Spotted Bat Euderma maculatum
Western Burrowing Owl Athene cunicularia hypugaea
Western Yellow-billed Cuckoo Coccyzus americanus occidentalis
Yuma Clapper Rail Rallus longirostris yumanensis
Yuma Myotis Myotis yumanensis
Yuman Desert Fringe-toed Lizard Uma notata rufopunctata

Threats:
Border Security
Canals
Military Usage
Off Road Usage
Recreation
Roads (Fishers Landing Road; Imperial Dam Road; Red Cloud Mine Road)
Urbanization

Hydrology:
Colorado River
Indian Wash
Los Angeles Wash
McAllister Wash
Yuma Wash

(Linkage 129: Hydrology continued)
McAllister Wash
North Drain
North Gila Main Canal
Thacker Lateral
West Main Canal
Linkage 131
Castle Dome Mountains – Red Bluff Mountains
– Muggins Mountains
Sonoran Desert Ecoregion

County: Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Yuma
ADOT Natural Resources Management Section: Phoenix
AGFD: Region 4
BLM: Colorado River District
Congressional District: 7
Council of Government: Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24
Biotic Communities (Vegetation Types):
Lower Colorado River Sonoran Desertsrub 100%

Land Ownership:
Department of Defense (Yuma Test Range) 88%
National Wildlife Refuge (Kofa) 11%
Private Land 1%

Identified Species:
Arizona Chuckwalla Sauromalus ater
Banded Gila Monster Heloderma suspectum cinctum
Big Free-tailed Bat Nyctinomops macrotus
Bighorn Sheep Ovis canadensis
California Leaf-nosed Bat Macropterus californicus
Cave Myotis Myotis velifer
Desert Rosy Boa Charina trivirgata gracilis
Flat-tailed Horned Lizard Phrynosoma mcallii
Great Egret Ardea alba
Greater Western Mastiff Bat Eumops perotis californicus
Least Bittern Ixobrychus exilis

Threats:
Border Security
Military Usage
Off Road Usage
Roads (Down Range Road; 90° Road; North Boundary Road)
Urbanization

Hydrology:
Big Eye Wash

Linkage 132
Tinajas Altas Mountains – Cabeza Prieta Mountains
Sonoran Desert Ecoregion

County: Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Yuma
ADOT Natural Resources Management Section: Phoenix
AGFD: Region 4
BLM: Colorado River District
Congressional District: 7
Council of Government: Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24
Biotic Communities (Vegetation Types):
Lower Colorado River Sonoran Desertsrub 100%

Land Ownership:
Department of Defense (Barry Goldwater Air Force Range) 54%
National Wildlife Refuge 46%

Identified Species:
Arizona Chuckwalla Sauromalus ater
Banded Gila Monster Heloderma suspectum cinctum
Bighorn Sheep Ovis canadensis
California Leaf-nosed Bat Macropterus californicus
Cave Myotis Myotis velifer
Desert Rosy Boa Charina trivirgata gracilis
Giant Spotted Whiptail Aspidoscelis burti stictogrammus
Greater Western Mastiff Bat Eumops perotis californicus
Great Plains Narrow-mouthed Toad Gastrophryne olivacea
Javelina Tayassu tajacu
Kit Fox Vulpes macrotis
### Linkage 133

**Copper Mountains – Cabeza Prieta Mountains**

**Sonoran Desert Ecoregion**

**County:** Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Yuma

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**

- Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**

- Department of Defense (Barry Goldwater Air Force Range) 73%
- National Wildlife Refuge (Cabeza Prieta) 27%

**Hydrology:**

- Coyote Wash

**Photo by Ron Horloff**

**Threats:**

- Border Security
- Military Usage
- Off Road Usage
- Roads (El Camino del Diablo)

**Hydrology:**

- Coyote Wash

### Identified Species:

- Arizona Chuckwalla *Sauromalus ater*
- Banded Gila Monster *Heloderma suspectum cinctum*
- Bighorn Sheep *Ovis canadensis*
- California Leaf-nosed Bat *Myotis californicus*
- Cave Myotis *Myotis velifer*
- Desert Rosy Boa *Charina trivirgata gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perrotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophyne olivacea*
- Javelina *Tayassu tajacu*
- Kit Fox *Vulpes macrotis*
- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*
- Long-legged Myotis *Myotis volans*

### Linkage 132: Identified Species (continued)

- Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*
- Long-legged Myotis *Myotis volans*
- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Rosy Boa *Charina trivirgata trivirgata*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend’s Big-eared Bat *Corynorhinus townsendii palescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus nota*
- Sonoran Desert Tortoise *Gopherus agassizi*
- Underwood’s Bonneted Bat *Eumops underwoodii*
- Western Burrowing Owl *Athene cunicularia hypugaeae*
- Yuma Myotis *Myotis yumanensis*

### Identified Species (continued):

- Maricopa Leaf-nosed Snake *Phyllorhynchus browni lucidus*
- Mexican Rosy Boa *Charina trivirgata trivirgata*
- Mountain Lion *Felis concolor*
- Mule Deer *Odocoileus hemionus*
- Organ Pipe Shovel-nosed Snake *Chionactis palarostris organica*
- Pale Townsend’s Big-eared Bat *Corynorhinus townsendii palescens*
- Pocketed Free-tailed Bat *Nyctinomops femorosaccus nota*
- Red-back Whiptail *Aspidoscelis burti xanthonota*
- Sonoran Desert Tortoise *Gopherus agassizi*
- Sonoran Pronghorn *Antilocapra americana sonoriensis*
- Underwood’s Bonneted Bat *Eumops underwoodii*
- Western Burrowing Owl *Athene cunicularia hypugaeae*
- Yuma Myotis *Myotis yumanensis*

### Hydrology:

- Coyote Wash

**Photo by Ron Horloff**
Linkage 134
Cabeza Prieta Mountains – Tule Mountains
Sonoran Desert Ecoregion

County: Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Yuma
ADOT Natural Resources Management Section: Phoenix
AGFD: Region 4
BLM: Colorado River District
Congressional District: 7
Council of Government: Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24

Biotic Communities (Vegetation Types): Lower Colorado River Sonoran Desertscrub 100%
Land Ownership: National Wildlife Refuge (Cabeza Prieta) 100%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracia
- Giant Spotted Whiptail Aspidoscelis burti stictogrammus
- Greater Western Mastiff Bat Eumops perotis californicus
- Great Plains Narrow-mouthed Toad Gastrophryne olivacea
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis
- Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae
- Long-legged Myotis Myotis volans
- Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus
- Mexican Rosy Boa Charina trivirgata trivirgata

(Linkage 134: Identified Species continued)
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Organ Pipe Shovel-nosed Snake Chionactis xanthomelas
- Pale Townsend's Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Red-back Whiptail Aspidoscelis burti xanthonota
- Sonoran Desert Tortoise Gopherus agassizii
- Sonoran Pronghorn Antilocapra americana sonorienensis
- Underwood's Bonneted Bat Eumops underwoodii
- Western Burrowing Owl Athene cunicularia hypugaea
- Yuma Myotis Myotis yumanensis

Threats:
- Border Security
- Off Road Usage
- Recreation
- Roads (El Camino del Diablo)

Hydrology:
- None identified

Linkage 135
Sierra Pinta – Cabeza Prieta Mountains
Sonoran Desert Ecoregion

County: Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Yuma
ADOT Natural Resources Management Section: Phoenix
AGFD: Region 4
BLM: Colorado River District
Congressional District: 7
Council of Government: Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24

Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertscrub 100%

Land Ownership: National Wildlife Refuge (Cabeza Prieta) 100%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracia
- Giant Spotted Whiptail Aspidoscelis burti stictogrammus
- Greater Western Mastiff Bat Eumops perotis californicus
- Great Plains Narrow-mouthed Toad Gastrophryne olivacea
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis
- Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae
- Long-legged Myotis Myotis volans
- Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus
- Mexican Rosy Boa Charina trivirgata trivirgata
Section VII Potential Linkage Zones

**Linkage 136: Mohawk Mountains/Bryan Mountains – North Sierra Pinta**
Sonoran Desert Ecoregion

**County:** Yuma

**ADOT Engineering District:** Yuma

**ADOT Maintenance:** Yuma

**ADOT Natural Resources Management Section:** Phoenix

**AGFD:** Region 4

**BLM:** Colorado River District

**Congressional District:** 7

**Council of Government:** Yuma Metropolitan Planning Organization

**FHWA Engineering:** A3

**Legislative District:** 24

**Biotic Communities (Vegetation Types):**
- Lower Colorado River Sonoran Desertscrub 100%

**Land Ownership:**
- Department of Defense (Barry Goldwater Air Force Range) 1%
- National Wildlife Refuge (Cabeza Prieta) 99%

**Identified Species:**
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracilis
- Giant Spotted Whiptail Aspidoscelis burtii stictogrammus
- Greater Western Mastiff Bat Eumops perotis californicus
- Great Plains Narrow-mouthed Toad Gastrophryne olivacea
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis

**Threats:**
- Border Security
- Military Usage
- Off Road Usage
- Recreation

**Photo by Robert Suplee**

**Identified Species continued:**
- Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae
- Long-legged Myotis Myotis volans
- Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus
- Mexican Rosy Boa Charina trivirgata gracilis
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Organ Pipe Shovel-nosed Snake Chionactis palarostris organica
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii palesscens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Red-back Whiptail Aspidoscelis burti xanthonota
- Sonoran Desert Tortoise Gopherus agassizii
- Sonoran Pronghorn Antilocapra americana sonoriensis
- Underwood’s Bonneted Bat Eumops underwoodi
- Western Burrowing Owl Athene cunicularia hypugaea
- Yuma Myotis Myotis yumanensis

**Hydrology:**
- Mohawk Wash

**Linkage 136: Identified Species continued:**
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracilis
- Giant Spotted Whiptail Aspidoscelis burtii stictogrammus
- Greater Western Mastiff Bat Eumops perotis californicus
- Great Plains Narrow-mouthed Toad Gastrophryne olivacea
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis

**Photo by Robert Suplee**
### Linkage 137

**South Sierra Pinta – Papago Well**  
Sky Island Ecoregion

<table>
<thead>
<tr>
<th>County:</th>
<th>Pima and Yuma</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADOT Engineering District:</td>
<td>Tucson and Yuma</td>
</tr>
<tr>
<td>ADOT Maintenance:</td>
<td>Three Points and Yuma</td>
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<tr>
<td>ADOT Natural Resources Management Section:</td>
<td>Phoenix and Tucson</td>
</tr>
<tr>
<td>AGFD:</td>
<td>Region 4</td>
</tr>
<tr>
<td>BLM:</td>
<td>Colorado River District and Phoenix District</td>
</tr>
<tr>
<td>Congressional District:</td>
<td>7</td>
</tr>
<tr>
<td>Council of Government:</td>
<td>Pima Association of Governments and Yuma metropolitan Planning Organization</td>
</tr>
<tr>
<td>FHWA Engineering:</td>
<td>A2 and A3</td>
</tr>
<tr>
<td>Legislative District:</td>
<td>24 and 25</td>
</tr>
<tr>
<td>Biotic Communities (Vegetation Types):</td>
<td>Lower Colorado River Sonoran Desertsctrub 100%</td>
</tr>
<tr>
<td>Land Ownership:</td>
<td>National Wildlife Refuge (Cabeza Prieta)</td>
</tr>
<tr>
<td>Identified Species:</td>
<td>Arizona Chuckwalla Sauromalus ater</td>
</tr>
<tr>
<td></td>
<td>Banded Gila Monster Heloderma suspectum cinctum</td>
</tr>
<tr>
<td></td>
<td>Bighorn Sheep Ovis canadensis</td>
</tr>
<tr>
<td></td>
<td>California Leaf-nosed Bat Macrotus californicus</td>
</tr>
<tr>
<td></td>
<td>Cave Myotis Myotis velifer</td>
</tr>
<tr>
<td></td>
<td>Desert Rosy Boa Charina trivirgata gracia</td>
</tr>
<tr>
<td></td>
<td>Giant Spotted Whiptail Aspidoscelis burti stictogrammus</td>
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<td></td>
<td>Greater Western Mastiff Bat Eumops perotis californicus</td>
</tr>
<tr>
<td></td>
<td>Great Plains Narrow-mouthed Toad Gastrophryne olivacea</td>
</tr>
<tr>
<td></td>
<td>Javelina Tayassu tajacu</td>
</tr>
<tr>
<td></td>
<td>Kit Fox Vulpes macrotis</td>
</tr>
<tr>
<td></td>
<td>Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae</td>
</tr>
<tr>
<td></td>
<td>Long-legged Myotis Myotis volans</td>
</tr>
<tr>
<td></td>
<td>Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus</td>
</tr>
</tbody>
</table>

**Identified Species continued**

- Mexican Rosy Boa Charina trivirgata trivirgata
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Organ Pipe Shovel-nosed Snake Chionactis palmarostris organica
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallidus
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Red-back Whiptail Aspidoscelis burti xanthonota
- Sonoran Desert Tortoise Gopherus agassizii
- Sonoran Pronghorn Antilocapra americana sonoriensis
- Underwood’s Bonneted Bat Eumops underwoodi
- Western Burrowing Owl Athene cuniculata hypugaea
- Yuma Myotis Myotis yumanensis

**Threats:**
- Border Security
- Off Road Usage
- Recreation
- Roads (El Camino del Diablo)

**Hydrology:**
- Papago Wash

### Linkage 138

**Northern Mohawk Mountains**  
Sonoran Desert Ecoregion

<table>
<thead>
<tr>
<th>County:</th>
<th>Yuma</th>
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<tbody>
<tr>
<td>ADOT Engineering District:</td>
<td>Yuma</td>
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<tr>
<td>ADOT Maintenance:</td>
<td>Yuma</td>
</tr>
<tr>
<td>ADOT Natural Resources Management Section:</td>
<td>Phoenix</td>
</tr>
<tr>
<td>AGFD:</td>
<td>Region 4</td>
</tr>
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<td>BLM:</td>
<td>Colorado River District and Phoenix District</td>
</tr>
<tr>
<td>Congressional District:</td>
<td>7</td>
</tr>
<tr>
<td>Council of Government:</td>
<td>Yuma Metropolitan Planning Organization</td>
</tr>
<tr>
<td>FHWA Engineering:</td>
<td>A3</td>
</tr>
<tr>
<td>Legislative District:</td>
<td>24</td>
</tr>
<tr>
<td>Biotic Communities (Vegetation Types):</td>
<td>Lower Colorado River Sonoran Desertsctrub 100%</td>
</tr>
<tr>
<td>Land Ownership:</td>
<td>Department of Defense (Barry Goldwater Air Force Range) 100%</td>
</tr>
<tr>
<td>Identified Species:</td>
<td>Arizona Chuckwalla Sauromalus ater</td>
</tr>
<tr>
<td></td>
<td>Banded Gila Monster Heloderma suspectum cinctum</td>
</tr>
<tr>
<td></td>
<td>Bighorn Sheep Ovis canadensis</td>
</tr>
<tr>
<td></td>
<td>California Leaf-nosed Bat Macrotus californicus</td>
</tr>
<tr>
<td></td>
<td>Cave Myotis Myotis velifer</td>
</tr>
<tr>
<td></td>
<td>Desert Rosy Boa Charina trivirgata gracia</td>
</tr>
<tr>
<td></td>
<td>Giant Spotted Whiptail Aspidoscelis burti stictogrammus</td>
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<td></td>
<td>Greater Western Mastiff Bat Eumops perotis californicus</td>
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<td></td>
<td>Great Plains Narrow-mouthed Toad Gastrophryne olivacea</td>
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<td></td>
<td>Javelina Tayassu tajacu</td>
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<tr>
<td></td>
<td>Kit Fox Vulpes macrotis</td>
</tr>
<tr>
<td></td>
<td>Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae</td>
</tr>
<tr>
<td></td>
<td>Long-legged Myotis Myotis volans</td>
</tr>
<tr>
<td></td>
<td>Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus</td>
</tr>
</tbody>
</table>
Section VII Potential Linkage Zones

Linkage 139
Mohawk Mountains – Bryan Mountains
Sonoran Desert Ecoregion

Country: Yuma
ADOT Engineering District: Yuma
ADOT Maintenance: Yuma
ADOT Natural Resources Management Section: Phoenix
AGFD: Region 4
BLM: Colorado River District
Congressional District: 7
Council of Government: Yuma Metropolitan Planning Organization
FHWA Engineering: A3
Legislative District: 24
Biotic Communities (Vegetation Types):
   Lower Colorado River Sonoran Desertscrub 100%
Land Ownership:
   National Wildlife Refuge (Cabeza Prieta) 100%
Identified Species:
   Arizona Chuckwalla Sauromalus ater
   Banded Gila Monster Helodermia suspectum cinctum
   Bighorn Sheep Ovis canadensis
   California Leaf-nosed Bat Macrota californicus
   Cave Myotis Myotis velifer
   Desert Rosy Boa Charina trivirgata gracia
   Giant Spotted Whiptail Aspidoscelis burti stictogrammus
   Greater Western Mastiff Bat Eumops perotis californicus
   Great Plains Narrow-mouthed Toad Gastrohyne olivacea
   Javelina Tayassu tajacu
   Kit Fox Vulpes macrotis
   Lesser Long-nosed Bat Leptonycteris curasoae yerbaeuenae
   Long-legged Myotis Myotis volans
   Mariposa Leaf-nosed Snake Phyllorhynchus browni lucidus
   Mexican Rosy Boa Charina trivirgata trivirgata

Threats:
   Border Security
   Off Road Usage
   Recreation
   Roads

Hydrology:
   None identified

Photo by Brian Kenney

(Linkage 139: Identified Species continued)
Mountain Lion Felis concolor
Mule Deer Odocoileus hemionus
Organ Pipe Shovel-nosed Snake Chionactis palarostris organica
Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
Pocketed Free-tailed Bat Nyctinomops fomerosaccus
Red-back Whiptail Aspidoscelis burti xanthonota
Sonoran Desert Tortoise Gopherus agassizii
Sonoran Pronghorn Antilocapra americana sonoriensis
Underwood’s Bonneted Bat Eumops underwoodi
Western Burrowing Owl Athene cunicularia hypugaea
Yuma Myotis Myotis yumanensis

Photo by Brian Kenney
Linkage 140
Bryan Mountains – Antelope Hills
Sonoran Desert Ecoregion

County: Pima and Yuma
ADOT Engineering District: Tucson and Yuma
ADOT Maintenance: Three Points and Yuma
ADOT Natural Resources Management Section: Tucson and Phoenix
AGFD: Region 4
BLM: Colorado River District and Phoenix District
Congressional District: 7
Council of Government: Pima Association of Governments and Yuma Metropolitan Planning Organization
FHWA Engineering: A2 and A3
Legislative District: 24 and 25
Biotic Communities (Vegetation Types):
  Lower Colorado River Sonoran Desertscrub 100%
Land Ownership:
  National Wildlife Refuge (Cabeza Prieta) 100%
Identified Species:
  Arizona Chuckwalla Sauromalus ater
  Banded Gila Monster Heloderma suspectum cinctum
  Bighorn Sheep Ovis canadensis
  California Leaf-nosed Bat Macrotus californicus
  Cave Myotis Myotis velifer
  Desert Rosy Boa Charina trivirgata gracia
  Giant Spotted Whiptail Aspidoscelis burtii stictogrammus
  Greater Western Mastiff Bat Eumops perotis californicus
  Great Plains Narrow-mouthed Toad Gastrophryne olivacea
  Javelina Tayassu tajacu
  Kit Fox Vulpes macrotis
  Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae
  Long-legged Myotis Myotis volans
  Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus

(Linkage 140: Identified Species continued)
  Mexican Rosy Boa Charina trivirgata trivirgata
  Mountain Lion Felis concolor
  Mule Deer Odocoileus hemionus
  Organ Pipe Shovel-nosed Snake Chionactis palarostris organica
  Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallascens
  Pocketed Free-tailed Bat Nyctinomops femorosaccus
  Red-back Whiptail Aspidoscelis burtii xanthonota
  Sonoran Desert Tortoise Gopherus agassizii
  Sonoran Pronghorn Antilocapra americana sonoriensis
  Underwood’s Bonneted Bat Eumops underwoodii
  Western Burrowing Owl Athene cuniculata hypugaea
  Yuma Myotis Myotis yumanensis

Threats:
  Border Security
  Off Road Usage
  Recreation
Hydrology:
  None identified

Linkage 141
Granite Mountains – Mohawk Mountains/Bryan Mountains
Sonoran Desert Ecoregion

County: Pima and Yuma
ADOT Engineering District: Tucson and Yuma
ADOT Maintenance: Three Points and Yuma
ADOT Natural Resources Management Section: Phoenix and Tucson
AGFD: Region 4
BLM: Colorado River District and Phoenix District
Congressional District: 7
Council of Government: Pima Association of Governments and Yuma Metropolitan Planning Organization
FHWA Engineering: A2 and A3
Legislative District: 24 and 25
Biotic Communities (Vegetation Types):
  Lower Colorado River Sonoran Desertscrub 100%
Land Ownership:
  Department of Defense
    (Barry Goldwater Air Force Range) 31%
  National Wildlife Refuge (Cabeza Prieta) 69%
Identified Species:
  Arizona Chuckwalla Sauromalus ater
  Banded Gila Monster Heloderma suspectum cinctum
  Bighorn Sheep Ovis canadensis
  California Leaf-nosed Bat Macrotus californicus
  Cave Myotis Myotis velifer
  Desert Rosy Boa Charina trivirgata gracia
  Giant Spotted Whiptail Aspidoscelis burtii stictogrammus
  Greater Western Mastiff Bat Eumops perotis californicus
  Great Plains Narrow-mouthed Toad Gastrophryne olivacea
  Javelina Tayassu tajacu
Linkage 142
Granite Mountains – Antelope Hills
Sonoran Desert Ecoregion

County: Pima
ADOT Engineering District: Tucson
ADOT Maintenance: Three Points
ADOT Natural Resources Management Section: Tucson
AGFD: Region 4
BLM: Phoenix District
Congressional District: 7
Council of Government: Pima Association of Governments
FHWA Engineering: A2
Legislative District: 25

Biotic Communities (Vegetation Types):
- Lower Colorado River Sonoran Desertsrub 100%
- National Wildlife Refuge (Cabeza Prieta) 100%

Land Ownership:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracian
- Giant Spotted Whiptail Aspidoscelis burti stictogrammus
- Greater Western Mastiff Bat Eumops perotis californicus
- Greater Plains Narrow-mouthed Toad Gastrophryne olivacea
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis
- Lesser Long-nosed Bat Leptonycteris curasoea yerbabuenae
- Long-legged Myotis Myotis volans
- Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus
- Mexican Rosy Boa Charina trivirgata trivirgata
- Mountain Lion Felis concolor
- Organ Pipe Shovel-nosed Snake Chionactis palarostris
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Red-back Whiptail Aspidoscelis burti xanthonota
- Sonoran Desert Tortoise Gopherus agassizii
- Sonoran Pronghorn Antilocapra americana sonoriensis
- Underwood’s Bonneted Bat Eumops underwoodi
- Western Burrowing Owl Athene cunicularia hypugaea
- Yuma Myotis Myotis yumanensis

Threats:
- Border Security
- Off Road Usage
- Recreation

Hydrology:
- San Cristobal Wash
Linkage 143
Aguila Mountains – Granite Mountains
Sonoran Desert Ecoregion

County: Maricopa, Pima and Yuma
ADOT Engineering District: Tucson and Yuma
ADOT Maintenance: Gila Bend, Three Points and Yuma
ADOT Natural Resources Management Section: Phoenix and Tucson
AGFD: Region 4
BLM: Phoenix District
Congressional District: 7
Council of Government: Maricopa Association of Governments, Pima Association of Governments and Yuma Metropolitan Planning Organization
FHWA Engineering: A2 and A3
Legislative District: 24 and 25
Biotic Communities (Vegetation Types):
Lower Colorado River Sonoran Desertscrub 100%
Land Ownership:
Department of Defense (Barry Goldwater Air Force Range) 100%
Identified Species:
Arizona Chuckwalla Sauromalus ater
Banded Gila Monster Heloderma suspectum cinctum
Bighorn Sheep Ovis canadensis
California Leaf-nosed Bat Macrotus californicus
Cave Myotis Myotis velifer
Desert Rosy Boa Charina trivirgata gracia
Giant Spotted Whiptail Aspidoscelis burti stictogrammus
Greater Western Mastiff Bat Eumops perotis californicus
Great Plains Narrow-mouthed Toad Gastrophrynus olivaceus
Javelina Tayassu tajacu
Kit Fox Vulpes macrotis
Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae

Hydrology: Growler Wash

Linkage 144
Growler Mountains – Granite Mountains
Sonoran Desert Ecoregion

County: Pima
ADOT Engineering District: Tucson
ADOT Maintenance: Three Points
ADOT Natural Resources Management Section: Tucson
AGFD: Region 4
BLM: Phoenix District
Congressional District: 7
Council of Government: Pima Association of Governments
FHWA Engineering: A2
Legislative District: 25
Biotic Communities (Vegetation Types):
Lower Colorado River Sonoran Desertscrub 100%
Land Ownership:
National Wildlife Refuge (Cabeza Prieta) 100%
Identified Species:
Arizona Chuckwalla Sauromalus ater
Banded Gila Monster Heloderma suspectum cinctum
Bighorn Sheep Ovis canadensis
California Leaf-nosed Bat Macrotus californicus
Cave Myotis Myotis velifer
Desert Rosy Boa Charina trivirgata gracia
Giant Spotted Whiptail Aspidoscelis burti stictogrammus
Greater Western Mastiff Bat Eumops perotis californicus
Great Plains Narrow-mouthed Toad Gastrophrynus olivaceus
Javelina Tayassu tajacu
Kit Fox Vulpes macrotis
Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae
Long-legged Myotis Myotis volans
Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus
Mexican Rosy Boa Charina trivirgata trivirgata
Mountain Lion Felis concolor
Linkage 144

Bates Mountains/Cipriano Hills – Agua Dulce
Mountains/Quitoabquito Hills

Sonoran Desert Ecoregion

County: Pima
ADOT Engineering District: Tucson
ADOT Maintenance: Three Points
ADOT Natural Resources Management Section: Tucson
AGFD: Region 4
BLM: Phoenix District
Congressional District: 7
Council of Government: Pima Association of Governments
FHWA Engineering: A2
Legislative District: 25

Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub 33%
- Lower Colorado River Sonoran Desertsrub 67%

Land Ownership:
- National Park Service (Organ Pipe) 84%
- National Wildlife Refuge (Cabeza Prieta) 16%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Banded Gila Monster Heloderma suspectum cinctum
- Bighorn Sheep Ovis canadensis
- California Leaf-nosed Bat Macrotus californicus
- Cave Myotis Myotis velifer
- Desert Rosy Boa Charina trivirgata gracia
- Giant Spotted Whiptail Aspidoscelis burti stictogrammuss
- Greater Western Mastiff Bat Eumops perotis californicus
- Great Plains Narrow-mouthed Toad Gastrophryne olivacea
- Javelina Tayassu tajacu
- Kit Fox Vulpes macrotis
- Lesser Long-nosed Bat Leptonycteris curasoea yerbabuenae

Hydrology:
- Growler Wash

(Identified Species continued)
- Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus
- Mexican Rosy Boa Charina trivirgata trivirgata
- Mountain Lion Felis concolor
- Mule Deer Odocoileus hemionus
- Organ Pipe Shovel-nosed Snake Chionactis palarostris organica
- Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens
- Pocketed Free-tailed Bat Nyctinomops femorosaccus
- Red-back Whiptail Aspidoscelis burti xanthonota
- Sonoran Desert Tortoise Gopherus agassizii
- Sonoran Pronghorn Antilocapra americana sonoriensis
- Underwood’s Bonneted Bat Eumops underwoodi
- Western Burrowing Owl Athene cunicularia hypugaea
- Yuma Myotis Myotis yumanensis

Threats:
- Border Security
- Military Usage
- Off Road Usage
- Roads
- Recreation

Hydrology:
- San Cristobal Wash

Photo by Bill Broyles

Photo by Jack Dykinga
Linkage 146
Childs Mountain – Growler Mountains
Sonoran Desert Ecoregion

County: Maricopa and Pima

ADOT Engineering District: Tucson and Yuma
ADOT Maintenance: Gila Bend and Three Points
ADOT Natural Resources Management Section: Phoenix and Tucson

AGFD: Region 4
BLM: Phoenix District

Congressional District: 7
Council of Government: Maricopa Association of Governments and Pima Association of Governments

FHWA Engineering: A2 and A3
Legislative District: 25

Biotic Communities (Vegetation Types):
Lower Colorado River Sonoran Desertsrub 100%

Land Ownership:
Department of Defense (Barry Goldwater Air Force Range) 4%
National Wildlife Refuge (Cabeza Prieta) 98%

Identified Species:
Ajo Mountain Whipsnake Masticophis bilineatus lineolatus
Arizona Chuckwalla Sauromalus ater
Banded Gila Monster Heloderma suspectum cinctum
Big Free-tailed Bat Nyctinomops macrotis
Bighorn Sheep Ovis canadensis
Bobcat Lynx rufus
Cactus Fernuginous Pygmy-owl Glauclidium brasilianum cactorum
California Leaf-nosed Bat Macrotus californicus
Cave Myotis Myotis velifer
Desert Rosy Boa Charina trivirgata gracilis
Desert Spotted Whiptail Aspidoscelis burti stictogrammus
Greater Western Mastiff Bat Eumops perotis californicus
Great Plains Narrow-mouthed Toad Gastrophryne olivacea
Javelina Tayassu tajacu
Kit Fox Vulpes macrotis
Lesser Long-nosed Bat Leptonycteris curasoea yerabubemales
Long-legged Myotis Myotis volans
Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus
Mexican Rosy Boa Charina trivirgata trivirgata
Mountain Lion Felis concolor
Mule Deer Odocoleus hemionus
Organ Pipe Shovel-nosed Snake Chionactis palarostis organica
Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallecens
Pocketed Free-tailed Bat Nyctinomops femorosaccus
Red-back Whiptail Aspidoscelis burti xanthonota
Sonoran Desert Tortoise Gopherus agassizii
Sonoran Pronghorn Antilocapra americana sonoriensis
Underwood’s Bonneted Bat Eumops underwoodi
Western Burrowing Owl Athene cunicularia hypuagae
Yuma Myotis Myotis yumanensis

Threats:
Border Security
Military Usage
Off Road Usage
Recreation
Roads

Hydrology:
Daniels Arroyo

Linkage 147
Growler Mountains – Bates Mountains
Sonoran Desert Ecoregion

County: Pima

ADOT Engineering District: Tucson
ADOT Maintenance: Three Points
ADOT Natural Resources Management Section: Tucson

AGFD: Region 4
BLM: Phoenix District

Congressional District: 7
Council of Government: Pima Association of Governments

FHWA Engineering: A2
Legislative District: 25

Biotic Communities (Vegetation Types):
AZ Upland Sonoran Desertscrub 77%
Lower Colorado River Sonoran Desertsrub 23%

Land Ownership:
Bureau of Land Management <1%
National Park Service (Organ Pipe) 88%
National Wildlife Refuge (Cabeza Prieta) 3%
State Trust Land 9%

Identified Species:
Arizona Chuckwalla Sauromalus ater
Banded Gila Monster Heloderma suspectum cinctum
Bighorn Sheep Ovis canadensis
California Leaf-nosed Bat Macrotus californicus
Cave Myotis Myotis velifer
Desert Rosy Boa Charina trivirgata gracilis
Desert Spotted Whiptail Aspidoscelis burti stictogrammus
Greater Western Mastiff Bat Eumops perotis californicus
Great Plains Narrow-mouthed Toad Gastrophryne olivacea
Javelina Tayassu tajacu
Kit Fox Vulpes macrotis
Lesser Long-nosed Bat Leptonycteris curasoea yerabubemales
**Linkage 148**

**Round Butte – Javelina Mountain**  
Sonoran Desert Ecoregion

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**County:** Maricopa  
**ADOT Engineering District:** Yuma  
**ADOT Maintenance:** Gila Bend  
**ADOT Natural Resources Management Section:** Phoenix  
**AGFD:** Region 4  
**BLM:** Phoenix District  
**Congressional District:** 7  
**Council of Government:** Maricopa Association of Governments  
**FHWA Engineering:** A3  
**Legislative District:** 25

**Biotic Communities (Vegetation Types):**  
AZ Upland Sonoran Desertscrub 100%

**Land Ownership:**  
Department of Defense (Barry Goldwater Air Force Range) 100%

**Identified Species:**  
Ajo Mountain Whipsnake Masticophis bilineatus lineolatus  
Arizona Chuckwalla Sauromalus ater  
Banded Gila Monster Heloderma suspectum cinctum  
Big Free-tailed Bat Nyctinomops macrotis  
Bighorn Sheep Ovis canadensis  
Bobcat Lynx rufus  
Cactus Ferruginous Pygmy-owl Glaucidium brasilianum cactorum  
California Leaf-nosed Bat Macrotus californicus  
Cave Myotis Myotis velifer  
Desert Rossy Boa Charina trivirgata gracilis  
Giant Spotted Whiptail Aspidoscelis burti stictogrammus  
Greater Western Mastiff Bat Eumops perotis californicus  
Great Plains Narrow-mouthed Toad Gastrophryne olivacea  
Javelina Tayassu tajacu

**Hydrology:**  
Sand Tank Wash

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**Threats:**  
Border Security  
Military Usage  
Off Road Usage  
Roads

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**Identified Species continued:**  
Kit Fox Vulpes macrotis  
Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae  
Long-legged Myotis Myotis volans  
Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus  
Mexican Rosy Boa Charina trivirgata trivirgata  
Mountain Lion Felis concolor  
Organ Pipe Shovel-nosed Snake Chionactis palarostris organica  
Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens  
Pocketed Free-tailed Bat Nyctinomops femorosaccus  
Red-back Whiptail Aspidoscelis burti xanthonota  
Sonoran Desert Tortoise Gopherus agassizii  
Sonoran Pronghorn Antilocapra americana sonoriensis  
Underwood’s Bonneted Bat Eumops underwoodi  
Western Burrowing Owl Athene cunicularia hypugaea  
Yuma Myotis Myotis yumanensis

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**Hydrology:**  
Cherioni Wash  
Cuerda de Lena  
Growler Wash

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**Linkage 147: Identified Species continued**  
Long-legged Myotis Myotis volans  
Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus  
Mexican Rosy Boa Charina trivirgata trivirgata  
Mountain Lion Felis concolor  
Organ Pipe Shovel-nosed Snake Chionactis palarostris organica  
Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens

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**Hydrology:**  
Cherioni Wash  
Cuerda de Lena  
Growler Wash
Linkage 149
Sand Tank Mountains – Sauceda Mountains  
Sonoran Desert Ecoregion

County: Maricopa  
ADOT Engineering District: Yuma  
ADOT Maintenance: Gila Bend  
ADOT Natural Resources Management Section: Phoenix  
AGFD: Region 4 and Region 5  
BLM: Phoenix District  
Congressional District: 7  
Council of Government: Maricopa Association of Governments  
FHWA Engineering: A3  
Legislative District: 25

Biotic Communities (Vegetation Types):  
AZ Upland Sonoran Desertscrub  100%

Land Ownership:  
Department of Defense  (Barry Goldwater Air Force Range)  70%  
Tribal Land (Tohono O’odham)  30%

Identified Species:  
Ajo Mountain Whipsnake Masticophis bilineatus lineolatus  
Arizona Chuckwalla Sauromalus ater  
Banded Gila Monster Heloderma suspectum cinctum  
Big Free-tailed Bat Nyctinomops macrotis  
Bighorn Sheep Ovis canadensis  
Bobcat Lynx rufus  
Cactus Ferruginous Pygmy-owl Glaucidium brasilianum cactorum  
California Leaf-nosed Bat Macrotus californicus  
Cave Myotis Myotis velifer  
Desert Rosy Boa Charina trivirgata gracilis  
Giant Spotted Whiptail Aspidoscelis burti stictogrammus  
Greater Western Mastiff Bat Eumops perotis californicus  
Great Plains Narrow-mouthed Toad Gastrophryne olivacea

Identified Species continued:  
Javelina Tayassu tajacu  
Kit Fox Vulpes macrotis  
Lesser Long-nosed Bat Leptonycteris curasoae yerbabuenae  
Long-legged Myotis Myotis volaris  
Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus  
Mexican Rosy Boa Charina trivirgata trivirgata  
Mountain Lion Felis concolor  
Mule Deer Odocoileus hemionus  
Organ Pipe Shovel-nosed Snake Chionactis palrostris organica  
Pale Townsend’s Big-eared Bat Corynorhinus townsendii pallescens  
Pocketed Free-tailed Bat Nyctinomops femorosaccus  
Red-back Whiptail Aspidoscelis burti xanthonota  
Sonoran Desert Tortoise Gopherus agassizii  
Sonoran Pronghorn Antilocapra americana sonoriensis  
Underwood’s Bonneted Bat Eumops underwoodi  
Western Burrowing Owl Athene cunicularia hypugaea  
Yuma Myotis Myotis yumanensis

Threats:  
Border Security  
Grazing  
Military Usage  
Off Road Usage  
Roads

Hydrology:  
Sauceda Wash

Linkage 150
Little Table Top – Vekol Mountains  
Sonoran Desert Ecoregion

County: Pinal  
ADOT Engineering District: Tucson  
ADOT Maintenance: Casa Grande  
ADOT Natural Resources Management Section: Tucson  
AGFD: Region 4 and Region 5  
BLM: Phoenix District  
Congressional District: 7  
Council of Government: Central Arizona Council of Governments  
FHWA Engineering: A2  
Legislative District: 25

Biotic Communities (Vegetation Types):  
AZ Upland Sonoran Desertscrub  100%

Land Ownership:  
Bureau of Land Management  20%  
Tribal Land (Tohono O’odham)  80%

Identified Species:  
Ajo Mountain Whipsnake Masticophis bilineatus lineolatus  
Arizona Chuckwalla Sauromalus ater  
Banded Gila Monster Heloderma suspectum cinctum  
Big Free-tailed Bat Nyctinomops macrotis  
Bighorn Sheep Ovis canadensis  
Bobcat Lynx rufus  
Cactus Ferruginous Pygmy-owl Glaucidium brasilianum cactorum  
California Leaf-nosed Bat Macrotus californicus  
Cave Myotis Myotis velifer  
Desert Rosy Boa Charina trivirgata gracilis  
Giant Spotted Whiptail Aspidoscelis burti stictogrammum  
Greater Western Mastiff Bat Eumops perotis californicus  
Great Plains Narrow-mouthed Toad Gastrophryne olivacea  
Javelina Tayassu tajacu
Linkage 150: Identified Species continued

Kit Fox Vulpes macrotis
Lesser Long-nosed Bat Phyllotis curasoae yerbabuea
Long-legged Myotis Myotis volans
Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus
Mountain Lion Felis concolor
Mule Deer Odocoileus hemionus
Organ Pipe Shovel-nosed Snake Chionactis palarostris
Pallescens
Pale Townsend’s Big-eared Bat Corynorhinus townsendii
Sonoran Desert Tortoise Gopherus agassizii
Sonoran Pronghorn Antilocapra americana sonoriensis
Underwood’s Bonneted Bat Eumops underwoodi
Western Burrowing Owl Athene cunicularia hypugaea
Yuma Myotis Myotis yumanensis

Threats:
- Border Security
- Grazing
- Off Road Usage
- Recreation
- Roads

Hydrology:
- Bitter Well Wash

Linkage 151
Gila/Salt River Corridor
Granite Reef Dam – Gillespie Dam
Sonoran Desert Ecoregion

County: Maricopa
ADOT Engineering District: Phoenix Maintenance and Yuma
ADOT Maintenance: Gila Bend, Phoenix Avondale, Phoenix Durango, Phoenix East Metro and Phoenix Mesa
ADOT Natural Resources Management Section: Phoenix
AGFD: Region 4 and Region 6
BLM: Phoenix District
Congressional District: 2, 4, 5, 6 and 7
Council of Government: Maricopa Association of Governments
FHWA Engineering: A1 and A3
Legislative District: 4, 12, 15, 16, 17, 18, 19, 23 and 25
Biotic Communities (Vegetation Types):
- AZ Upland Sonoran Desertscrub 4%
- Lower Colorado River Sonoran Desertscrub 96%

Land Ownership:
- Bureau of Land Management 11%
- Bureau of Reclamation 2%
- Game and Fish Land 4%
- Parks and Recreation 2%
- Private Land 57%
- State Trust Land 4%
- Tribal Land (Gila River) 18%
- USDA Forest Service (Tonto) 2%

Identified Species:
- Arizona Chuckwalla Sauromalus ater
- Bald Eagle Haliaeetus leucocephalus
- Black-bellied Whistling-duck Dendrocygna autumnalis
- Cactus Ferruginous Pygmy-owl Glaucidium brasilianum cactorum

(Threats: Canals (Arizona Canal; Arlington Canal; Branch San Francisco Canal; Buckeye Canal; Central Arizona Project Canal; Consolidated Canal; Grand Canal; Hayden Canal; Roosevelt Canal; San Francisco Canal; South Extension Canal; Southern Canal; St. Johns Canal; Tempe Canal))

Hydrology:
- Agua Fria River Arizona Canal
- Arlington Canal
- Branch San Francisco Canal
- Buckeye Canal
- Central Arizona Project Canal
- Consolidated Canal
- Corgett Wash
- Gila River
- Grand Canal
- Granite Reef Dam
- Hayden Canal
(Linkage151: Hydrology continued)

Hassayampa River
Indian Bend Wash
Luke Wash
Lum Wash
Roosevelt Canal
Salt River
San Francisco Canal
South Extension Canal
Southern Canal
St. Johns Canal
Tempe Canal
Waterman Wash

Photo by Drew Stokes

Linkage 152
Central Arizona Project Canal
Sky Island Ecoregion
Sonoran Desert Ecoregion

County: La Paz, Maricopa, Pima and Pinal
ADOT Engineering District: Phoenix Maintenance and Yuma
ADOT Maintenance: Mesa and Quartzsite
ADOT Natural Resources Management Section: Phoenix, Prescott and Tucson
AGFD: Region 4, Region 5 and Region 6
BLM: Colorado River District, Gila District and Phoenix District
Congressional District: 1, 2, 3, 5, 6, 7 and 8
Council of Government: Central Arizona Council of Governments, Maricopa Association of Governments, Pima Association of Governments and Western Arizona Council of Governments
FHWA Engineering: A1 and A3
Legislative District: 3, 4, 6, 7, 8, 19, 22, 23, 24, 25, 26, 27 and 30
Biotic Communities (Vegetation Types):
AZ Upland Sonoran Desertsrub 23%
Lower Colorado River Sonoran Desertsrub 70%
Semidesert Grassland 7%
Land Ownership:
Bureau of Land Management 25%
Bureau of Reclamation 4%
County Land 0.2%
Department of Defense 0.5%
National Park Service (Saguaro) 0.3%
National Wildlife Refuge (Havasu) 0.1%
Parks and Recreation 0.4%
Private Land 35.2%
State Trust Land 29%
Tribal Land (Pasqua Yaqui: Salt River; San Xavier) 5.1%
USDA Forest Service (Tonto) 0.2%

(Identification continued)

Identified Species:
Arizona Chuckwalla Sauromalus ater
Arizona Toad Bufo microscaphus
Bald Eagle Haliaeetus leucocephalus
Banded Gila Monster Heloderma suspectum cinctum
Big Free-tailed Bat Nyctinomops macrotus
Bighorn Sheep Ovis canadensis
Bobcat Lynx rufus
Bonytail Gila elegans
Cactus Ferruginous Pygmy Owl Glaucidium brasilianum cactorum
California Leaf-nosed Bat Microtus californicus
Cave Myotis Myotis velifer
Clark’s Grebe Aechmophorus clarkii
Desert Rosy Boa Charina trivirgata gracilis
Desert Sucker Catostomus clarki
Great Egret Ardea alba
Greater Western Mastiff Bat Eumops perotis californicus
Javelina Tayassu tajacu
Kit Fox Vulpes macrotis
Least Bittern Ixobrychus exilis
Longfin Dace Agosia chrysogaster
Long-legged Myotis Myotis volans
Maricopa Leaf-nosed Snake Phyllorhynchus browni lucidus
Mountain Lion Felis concolor
Mule Deer Odocoileus hemionus
Pale Townsend’s Big-eared Bat Corynorhynchus townsendii pallidus
Pocketed Free-tailed Bat Nyctinomops femorosaccus
Razorback Sucker Xyrauchen texanus
Roundtail Chub Gila robusta
Sonora Sucker Catostomus insignis
Sonoran Desert Tortoise Gopherus agassizii
Southwestern Willow Flycatcher Empidonax trailli exitus
Western Yellow-billed Cuckoo Cocyzus americanus occidentalis
Yellow-nosed Cotton Rat Sigmodon ochrognathus
Yuma Clipeau Rail Rallus longirostris yumanensis
Yuma Myotis Myotis yumanensis
(Linkage152: continued)

Threats:
- Canals (Central Arizona Project Canal; Arizona Canal; Beardsley Canal)
- Granite Reef Dam
- Highway (I 10; I 17; SR 51; SR 74; SR 79; SR 86; SR 87; SR 101; SR 287; US 60)
- Railroad
- Recreation
- Urbanization

Hydrology:
- Agua Fria River
- Arizona Canal
- Beardsley Canal
- Big Granite Wash
- Bill Williams River
- Bootlegger Wash
- Brawley Wash
- Calcite Wash
- CAP Canal
- Cave Creek
- Centennial Wash
- Cunningham Wash
- Daggs Wash
- Deadman Wash
- Fourmile Wash
- Gila River
- Guild Wash
- Hassayampa River
- Jackrabbit Wash
- Mineral Wash
- New River
- Old Camp Wash
- Osborne Wash
- Queen Creek
- Salt River
- Santa Cruz River
- Skunk Creek
- Tiger Wash
- Trilby Wash
- Wagner Wash
- Weekes Wash

(Linkage152: Hydrology continued)
- Weir Wash
- Winters Wash