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 *Idioycteris 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*

(Linkage 1: Identified Species continued)
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 3
Cedar Rim/Fredonia Pronghorn Crossing

Colorado Plateau Ecoregion

(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 infralabialis*
Virgin Spinedace *Lepidomeda mollispinis mollispinis*
Woundfin *Plagopterus argentissimus*

Threats:

Grazing
Highway (I 15)

Hydrology:

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

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 *Idioycteris phyllotis*
Fringed Myotis *Myotis thysanodes*
Grand Canyon Rattlesnake *Crotalis 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

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*
Long-legged Myotis *Myotis volans*
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*
Chisel-toothed Kangaroo Rat *Dipodomys microps leucotis*
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus hemionus*
Pronghorn *Antilocapra americana*
Western Burrowing Owl *Athene cunicularia hypugaea*

(Linkage 6: 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%

Land Ownership:

Tribal Land (Navajo)	100%

Identified Species:
Black Bear *Ursus americanus*
Hopi Rattlesnake *Crotalus viridis 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 Desertscrub	73%
Plains & Great Basin Grassland	27%

Land Ownership:

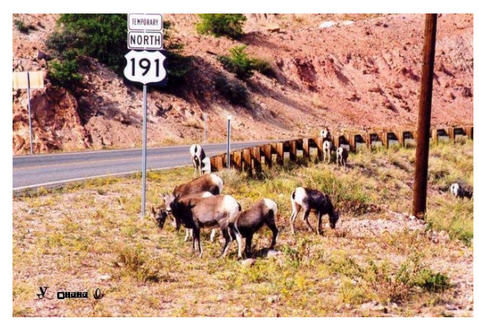
Tribal Land (Navajo)	100%

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
- Hasbidito Wash
- Lukachukai Wash
- Nazlini Wash
- Red Wash
- Sheep Dip Wash
- Trading Post Wash



Linkage 9
Chuska 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 Desertscrub	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

(Linkage 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

Photograph by Jeff Sayless, US Fish and Wildlife Service

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*

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

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; Hualupai)	< 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*

(Linkage 11: Identified Species continued)
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 Bat *Euderma maculatum*
Swainson's Hawk *Buteo swainsoni*
Western Burrowing Owl *Athene cunilaria hypugaea*

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)	3%

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

(Linkage 12: continued)
Threats:
- Highway (SR 64)
- Railroad
- Urbanization

Hydrology:
- 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

County: Coconino

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

AGFD: Region I and Region II

BLM: Phoenix District

Congressional District: 1 and 2

Council of Government: Northern Arizona Council of Governments

FHWA Engineering: A2

Legislative District: 1 and 2

Biotic Communities (Vegetation Types):

Great Basin Conifer Woodland	97%
Great Basin Desertscrub	3%

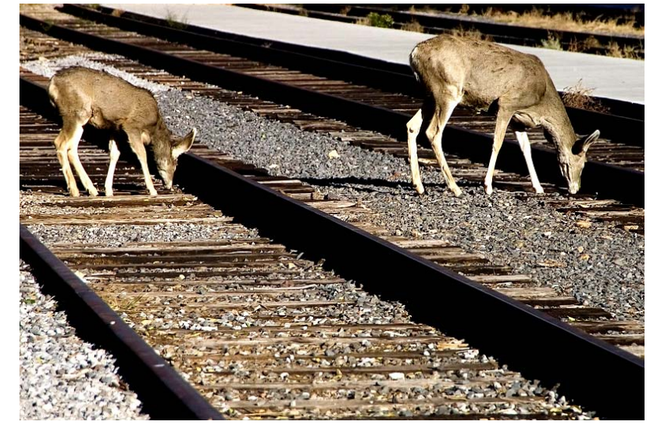
Land Ownership:

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 13: continued)
Hydrology:
- Deer Tank Wash
- Lee Canyon
- Little Colorado River



Linkage 14
Valle - Bellemont

Apache Highlands Ecoregion
Arizona/New Mexico Mountains Ecoregion

County: Coconino

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

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	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*

(Linkage 14: Identified Species continued)

Mule Deer *Odocoileus hemionus*
Navajo Mexican Vole *Microtus mexicanus navaho*
Northern Goshawk *Accipiter gentilis*
Northern Leopard Frog *Rana pipiens*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
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
ADOT Natural Resources Management Section: Flagstaff

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	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*

Linkage 16
Flagstaff

Arizona/New Mexico Mountains Ecoregion

(Linkage 15: Identified Species continued)
Osprey *Pandion haliaetus*
Pronghorn *Antilocapra americana*
Riparian Obligates

Threats:
Agriculture
Highway (I 40)
Railroad
Urbanization

Hydrology:
Dogtown Wash
Sinclair Wash
Sycamore Creek
Volunteer Wash

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%

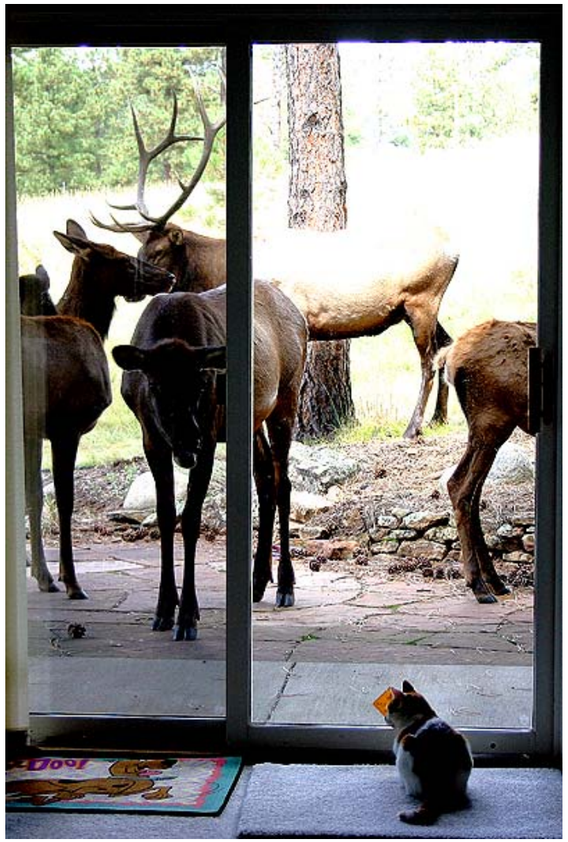
Land Ownership:

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 cinereoargenteus*
Mexican Spotted Owl *Strix occidentalis lucida*
Northern Goshawk *Accipiter gentilis*
Riparian Obligates

(Linkage 16: continued)
Threats:
Highway (I 40)
Railroad
Urbanization

Hydrology:
Rio de Flag
Sinclair Wash



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 Desertscrub	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

(Linkage 17: 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 gracia*
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 pallescens*
Speckled Rattlesnake *Crotalus mitchellii*

Linkage 19
Mount Perkins – Warm Springs
Mohave Desert Ecoregion

(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

Photo by George Jameson

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 gracia*
Greater Western Mastiff Bat *Eumops perotis californicus*
Kit Fox *Vulpes macrotis*
Mountain Lion *Felis concolor*
Mohave Desert Tortoise *Gopherus agassizii*
Mule Deer *Odocoileus hemionus*

(Linkage 19: Identified Species continued)
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
Speckled Rattlesnake *Crotalus mitchellii*
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 Desertscrub	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 gracia*
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 mitchellii*
Swainson's Hawk *Buteo swainsoni*
Western Burrowing Owl *Athene cunicularia hypugaea*

Threats:

Highway (I 40)
Railroad
Urbanization

Hydrology:

None Identified

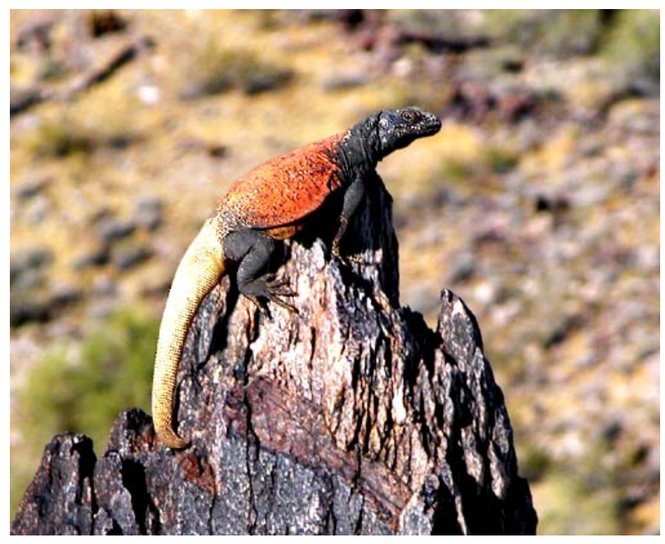


Photo by Ron Horloff

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 Desertscrub	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 gracia*
Desert Sucker *Catostomus clarki*
Elk *Cervus elaphus*

(Linkage 21: 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 hypugaea*

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

(Linkage 21: Hydrology continued)

Moss Wash
Peacock Wash
Pearson Falls Wash
Pilgrim Wash
Trout Creek
Truxton Wash
Tuckayou Wash
Wheeler Wash
Willow Creek
Wright Canyon

Linkage 22
Big Black Mesa – Hell Canyon

Apache Highlands Ecoregion

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 23
Oak Creek Canyon – Munds Park

Arizona/New Mexico Mountains Ecoregion

(Linkage 22: continued)
Hydrology:
Hell Canyon
Page Wash
Wagon Tire Wash

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:

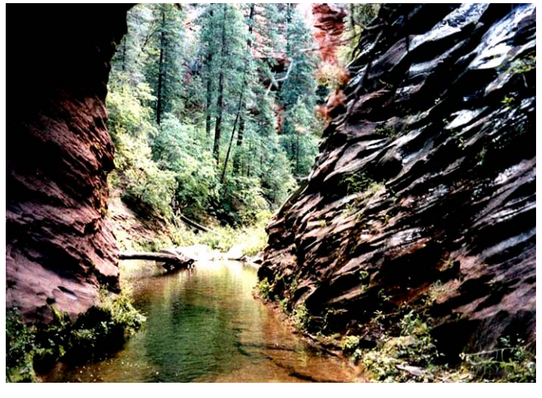
Private Land	12%
State Trust Land	3%
USDA Forest Service (Coconino)	85%

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*

(Linkage 23: Identified Species continued)
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 ciliolabrum*
Wild Turkey *Meleagris gallopavo*

Threats:
Agriculture
Highway (I 17)
Urbanization

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



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 clarki*
Gila Chub *Gila intermedia*
Gila Topminnow *Poeciliopsis occidentalis occidentalis*
Longfin Dace *Agosia chrysogaster*
Mountain Lion *Felis concolor*

(Linkage 24: Identified Species continued)
Mule Deer *Odocoileus hemionus*
Northern Mexican Gartersnake *Thamnophis eques megalops*
Pronghorn *Antilocapra americana*
Roundtail Chub *Gila robusta*
Sonora Sucker *Catostomus insignis*
Speckled Dace *Rhinichthys osculus*
Riparian Obligates
Western Red Bat *Lasiurus blossevillii*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

Threats:
Highway (SR 89A)
Urbanization

Hydrology:
Coffee Creek
Dry Creek
Oak Creek
Soldier Wash
Spring Creek

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 26
Northern I-17 Corridor

Apache Highlands Ecoregion
Arizona/New Mexico Mountains Ecoregion

(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

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 Desertscrub	31%
Great Basin Conifer Woodland	51%
Petran 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 occultus*
Black Bear *Ursus americanus*
Cave Myotis *Myotis velifer*
Chiracahua Leopard Frog *Rana chiricahuensis*
Desert Sucker *Catostomus clarki*
Elk *Cervus elaphus*

(Linkage 26: Identified Species continued)

Gray Fox *Urocyon cinereoargenteus*
Fringed Myotis *Myotis thysanodes*
Gila Chub *Gila intermedia*
Long-eared Myotis *Myotis evotis*
Longfin Dace *Agosia chrysogaster*
Mexican Spotted Owl *Strix occidentalis lucida*
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus hemionus*
Northern Goshawk *Accipiter gentilis*
Northern Leopard Frog *Rana pipiens*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
Pronghorn *Antilocapra americana*
Roundtail Chub *Gila robusta*
Sonora Sucker *Catostomus insignis*
Southwestern Willow Flycatcher *Empidonax traillii extimus*
Speckled Dace *Rhinichthys osculus*
Spikedace *Meda fulgida*
Terrestrial and Riparian Obligates
White-tailed Deer *Odocoileus virginianus*
Wild Turkey *Meleagris gallopavo*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

Threats:

Agriculture
Highway (I 17)
Urbanization

Hydrology:

Beaver Creek
Dry Beaver Creek
Rarick Canyon
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%

(Linkage 27: continued)

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.3*
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 osculus*
Springerville Pocket Mouse *Perognathus flavus goodpasteri*
Western Yellow-billed Cuckoo *Coccyzus americanus 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

(Linkage 27: Hydrology continued)

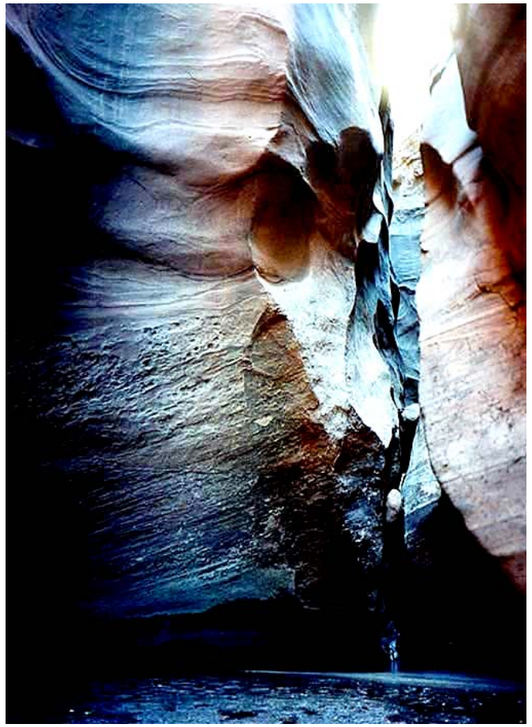
Billy Wash
Black Canyon
Blairs Spring Wash
Brookbank Canyon
Brown Creek
Canyon Diablo
Carnero Creek
Carr L. Wash
Carrizo Wash
Cedar Lake Wash
Cheney Draw
Chevelon Canyon
Chimney Wash
Clear Creek
Concho Flat Wash
Cottonwood Wash
Coyote Creek
Crazy Creek
Dead Wash
Digger Wash
Dodson Wash
Dry Wash
East Fork Dry Wash
East Twin Wash
East Washboard Wash
Fern Feather Wash
Fivemile Wash
Grapevine Canyon
Grapevine Creek
Greer Wash
Hardscrabble Wash
Hay Hollow Draw
Humpy Wash
Jacks Canyon
Jaralosa Draw
Jarvis Wash
Jim Camp Wash
Joseph City Wash
Leroux Wash
Lithodendron Wash
Little Colorado River

(Linkage 27: Hydrology continued)

Little Milky Wash
Lower Lyman Ditch
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
Puerco River
Pulcifer Creek
Rock Creek
Rocky Arroyo
San Francisco Wash
Sand Draw
Scott Wash
Sears Wash
Sepulveda Creek
Seven Springs Wash
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

(Linkage 27: Hydrology continued)

Vigil Run
Wallace Canyon
Walnut Creek
Washboard Wash
Water Canyon Creek
West Twin Wash
Wild Cow Wash
Wildcat Creek
Wildhorse wash
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*
Bobcat *Lynx rufus*
Cave Myotis *Myotis velifer*
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*

(Linkage 29: Identified Species continued)
Speckled Rattlesnake *Crotalus mitchellii*
Swainson's Hawk *Buteo swainsoni*
Western Burrowing Owl *Athene cunicularia hypugaea*

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 gracia*
Greater Western Mastiff Bat *Eumops perotis californicus*
Kingman Springsnail *Pyrgulopsis conica*
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 mitchellii*

Linkage 31
The Needles – Mohave Mountains

Arizona/New Mexico Mountains Ecoregion
Mohave Desert Ecoregion

(Linkage 30: Identified Species continued)
Swainson's Hawk *Buteo swainsoni*
Western Burrowing Owl *Athene cunicularia hypugaea*

Threats:
Burros
Highway (I 40)
Railroad
Urbanization

Hydrology:
Buck Mountain Wash
Franconia Wash
Sacramento Wash

Photo by Peter LaTourrette

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 Desertscrub	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 gracia*
Flannelmouth Sucker *Catostomus latipinnis*
Fringed Myotis *Myotis thysanodes*
Greater Western Mastiff Bat *Eumops perotis californicus*

(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 *Odocoileus hemionus*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Sonoran Desert Tortoise *Gopherus agassizii*
Speckled Rattlesnake *Crotalus mitchellii*
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

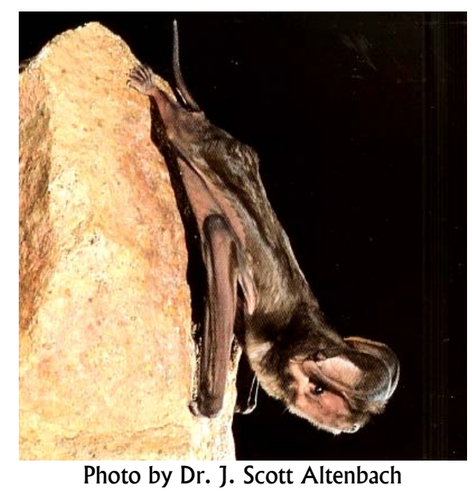


Photo by Dr. J. Scott Altenbach

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 Desertscrub	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*

(Linkage 32: Identified Species continued)
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus hemionus*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Sonoran Desert Tortoise *Gopherus agassizii*
Speckled Rattlesnake *Crotalus mitchellii*
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
Mohave Desert 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 33: Identified Species continued)

Desert Sucker *Catostomus clarki*
Gambel's Quail *Callipepla gambelii*
Greater Western Mastiff Bat *Eumops perotis californicus*
Javelina *Tayassu tajacu*
Kit Fox *Vulpes macrotis*
Longfin Dace *Agosia chrysogaster*
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*
Ringtail *Bassariscus astutus*
Riparian Obligates
Roundtail Chub *Gila robusta*
Southwestern Willow Flycatcher *Empidonax traillii extimus*
Speckled Dace *Rhinichthys osculus*
Speckled Rattlesnake *Crotalus mitchellii*
Swainson's Hawk *Buteo swainsoni*
Western Burrowing Owl *Athene cunicularia hypugaea*
Yuma Clapper Rail *Rallus longirostris yumanensis*
Zone-tailed Hawk *Buteo albonotatus*

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
Placeritas Creek

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*

(Linkage 34: Identified Species continued)

Bobcat *Lynx rufus*
California Leaf-nosed Bat *Macrotus californicus*
Cave Myotis *Myotis velifer*
Common Black-hawk *Buteogallus anthracinus*
Desert Rosy Boa *Charina trivirgata gracia*
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*
Ringtail *Bassariscus astutus*
Riparian Obligates
Roundtail Chub *Gila robusta*
Sonoran Desert Tortoise *Gopherus agassizii*
Sonora Sucker *Catostomus insignis*
Southwestern Willow Flycatcher *Empidonax traillii extimus*
Speckled Rattlesnake *Crotalus mitchellii*
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:

Highway (SR 97; SR 96; US 93)
Railroad
Urbanization

(Linkage 34: continued)
Hydrology:

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 34: Hydrology continued)

Smith Canyon
South Fork Date Creek
South Fork Santa Maria River
Sycamore Creek
Tank Creek
Tonto Wash
Valley Wash
Waterman Creek
Weaver Creek
Woosley Wash
Yarnell Creek

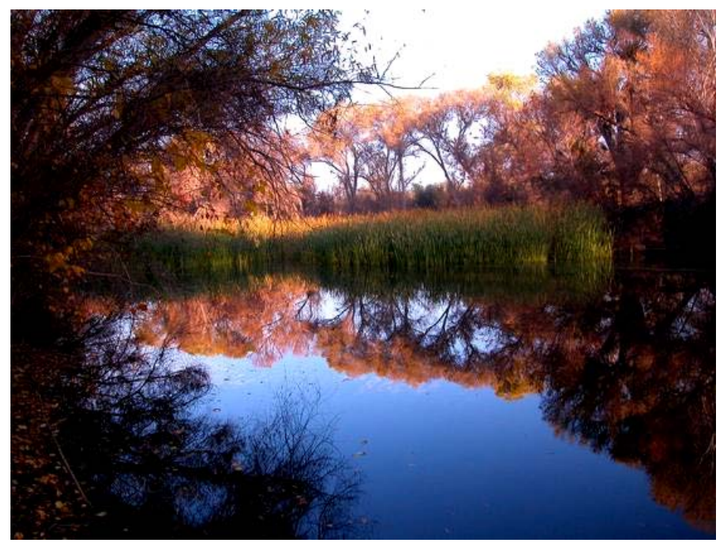


Photo by Bob Miller

Linkage 35
East – West Prescott National Forest

Apache Highlands Ecoregion

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:

Agua Fria 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

(Linkage 35: Hydrology continued)

Miller Creek
Mint Wash
Mud Tank Wash
Spence Creek
Strickland Wash
Verde River
Williamson Valley Wash
Willow Creek
Yarber Wash

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*

Linkage 37
North - South Black Hills
Apache Highlands Ecoregion

(Linkage 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

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)	86%

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: Identified Species continued)
- Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

Threats:
- Highway (I 17)
- Urbanization

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

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 Desertscrub	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 Desertscrub	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

(Linkage 39: Identified Species continued)
Longfin Dace *Agosia chrysogaster*
Lowland Leopard Frog *Rana yavapaiensis*
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus 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 *Coccyzus americanus occidentalis*

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

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 *Odocoileus hemionus*
Northern Goshawk *Accipiter gentilis*
Northern Leopard Frog *Rana pipiens*
Pronghorn *Antilocapra americana*
Speckled Dace *Rhinichthys osculus*

(Linkage 40: Identified Species continued)
Wild Turkey *Meleagris gallopavo*

Threats:
Highway (SR 87)
Recreation
Urbanization

Hydrology:
Clear Creek
Clover Creek
Jacks Canyon
Pine Valley Road

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 *Catostomus clarki*
Elk *Cervus elaphus*
Fringed Myotis *Myotis thysanodes*

(Linkage 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

(Linkage 42: Threats continued)
Highway (SR 260)
Urbanization

Hydrology:
Cottonwood Wash
Day Wash
Decker Wash
Pearce Wash
Phoenix Park Wash
Stinson Wash
Willow Wash

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 *Macrotus 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*

(Linkage 43: Identified Species continued)
Sonoran Desert Tortoise *Gopherus agassizii*
Southwest Willow Flycatcher *Empidonax traillii extimus*
Yuma Myotis *Myotis yumanensis*
Native Fishes

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 Desertscrub	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*
- 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*
- 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*

(Linkage 44: Identified Species continued)
- Yuma Myotis *Myotis yumanensis*

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

Hydrology:
- Bouse Wash

Photo by Bill Perry

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 Desertscrub	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*
- 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*

Linkage 46
Buckskin Mountains – Harcuvar Mountains
Sonoran Desert EcoRegion

(Linkage 45: continued)
Threats:
Border Security
Highway (SR 95)
Urbanization

Hydrology:
None identified

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 gracia*
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*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Sonoran Desert Tortoise *Gopherus agassizii*

(Linkage 46: Identified Species continued)
Yuma Myotis *Myotis yumanensis*

Threats:
Border Security
Canal
Roadway (Alamo Road)
Urbanization

Hydrology:
Cunningham Wash

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 Desertscrub	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 femorosaccus*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Yuma Myotis *Myotis yumanensis*

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

Hydrology:
- None identified

Photo by Dr. J. Scott Altenbach

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 Desertscrub	34%
Lower Colorado River Sonoran Desertscrub	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 *Macrotis 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 49
Granite Wash – Little Harquahala Mountains
Sonoran Desert Ecoregion

(Linkage 48: Identified Species continued)
Yuma Myotis *Myotis yumanensis*

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

Hydrology:
Italian Wash
Poormans Wash

Photo by Bill & Shirley Freeman

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 *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*
Mule Deer *Odocoileus hemionus*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*

(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

Linkage 50
Harcuvar 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 pallescens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*

(Linkage 50: Identified 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: Phoenix and 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 *Eumeces gilberti arizonensis*
Arizona Toad *Bufo microscaphus*
Banded Gila Monster *Heloderma suspectum cinctum*
Big Free-tailed Bat *Nyctinomops macrotus*
Bighorn Sheep *Ovis canadensis*
Bobcat *Lynx rufus*
Bonytail *Gila elegans*
California Leaf-nosed Bat *Macrotus californicus*
Cave Myotis *Myotis velifer*

(Linkage 51: 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*
Long-legged Myotis *Myotis volans*
Lowland Leopard Frog *Rana yavapaiensis*
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus hemionus*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Snowy Egret *Egretta thula*
Sonoran Desert Tortoise *Gopherus agassizii*
Southwestern Willow Flycatcher *Empidonax traillii 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

(Linkage 51: Hydrology continued)

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

Photo by Bill Horn

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

Biotic Communities (Vegetation Types):

AZ Upland Sonoran Desertscrub	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 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*
Mule Deer *Odocoileus hemionus*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*

Linkage 53
North – South Mazatzal Mountains
Apache Highlands Ecoregion

(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:
Border Security
Highway (Constellation Road)
Urbanization

Hydrology:
Blue Tank Wash
Calamity Wash
Hamlin Wash
Mockingbird Wash

Photo by James Gallagher

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:

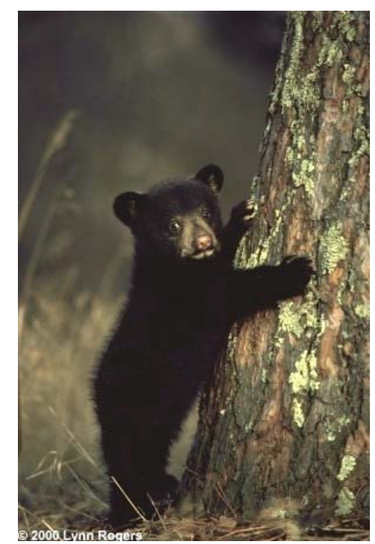
Private Land	4%
USDA Forest Service (Tonto)	96%

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*

(Linkage 53: Identified Species continued)
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:
Highway (SR 87)
Urbanization

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



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

Congressional District: 1 and 5

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 Desertscrub	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 *Macrotus californicus*
Cave Myotis *Myotis velifer*
Common Black-hawk *Buteogallus anthracinus*
Gila Topminnow *Poeciliopsis occidentalis occidentalis*
Javelina *Tayassu tajacu*
Longfin Dace *Agosia chrysogaster*

(Linkage 54: Identified Species continued)

Lowland Leopard Frog *Rana yavapaiensis*
Mountain Lion *Felis concolor*
Northern Gray Hawk *Asturina nitida maxima*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Sonoran Desert Tortoise *Gopherus agassizii*
Southwestern Willow Flycatcher *Empidonax traillii 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

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 Desertscrub	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 *Asturina nitida maxima*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
Roundtail Chub *Gila robusta*
Southwestern Willow Flycatcher *Empidonax traillii extimus*
Western Red Bat *Lasiurus blossevillii*
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

(Linkage 55: Hydrology continued)

Meddler Wash
North Fork Parker Creek
P. B. Creek
Parker Creek
Pinal Creek
Pocket Creek
Reynolds Creek
Rose 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 Desertscrub	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

(Linkage 56: Identified Species continued)

Gila Topminnow *Poeciliopsis occidentalis occidentalis*
Javelina *Tayassu tajacu*
Lowland Leopard Frog *Rana yavapaiensis*
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 pallescens*
Roundtail Chub *Gila robusta*
White-tailed Deer *Odocoileus virginianus*

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

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 *Crytonyx montezumae*
Mule Deer *Odocoileus hemionus*
Narrow-headed Gartersnake *Thamnophis rufipunctatus*
Osprey *Pandion haliaetus*
Roundtail Chub *Gila robusta*
Tassel-eared Squirrel *Sciurus aberti*
White-nosed Coati *Nasua narica*

(Linkage 57: continued)

Threats:

Highway (SR 73)
Urbanization

Hydrology:

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 americana*
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*

(Linkage 58: Identified Species continued)

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*

Threats:

Highway (SR 260; SR 273; SR 373)
Railroad
Urbanization

Hydrology:

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

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*

(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
Campbell Blue Creek
Castle Creek
Chase Creek
Cienega Creek
Coleman Creek
Colter Creek
Corduroy Creek
Davis Creek
Eagle Creek
East 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

(Linkage 59: Hydrology continued)

Thomas Creek
Turkey Creek
Watts Creek
Whitewater Creek

USFWS, Jim Rorabaugh

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

Biotic Communities (Vegetation Types):

AZ Upland Sonoran Desertscrub	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

Biotic Communities (Vegetation Types):

Semidesert Grassland	100%

Land Ownership:

Bureau of Land Management	60%
Private Land	15.5%
State Trust Land	24.5%

Identified Species:
Bighorn Sheep *Ovis canadensis*
Javelina *Tayassu tajacu*
Mule Deer *Odocoileus hemionus*

Threats:
Highway (US 70)
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

Biotic Communities (Vegetation Types):

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

(Linkage 62: continued)
Hydrology:
- Apache Creek
- Bitter Creek
- Cottonwood Creek
- Dromedary Creek
- Gila River
- Greaser Wash
- Harris Wash
- Kaywood Wash
- Linden Creek
- Little Sand Wash
- Lop Ear Creek
- Sand Wash
- Sanders Wash
- Sandia Wash
- Skully Creek
- Stove Wash
- Wampoo Wash
- Waters Wash
- Willow Creek

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 Desertscrub	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*

(Linkage 63: Identified Species continued)
- Yuma Myotis *Myotis yumanensis*

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

Hydrology:
- French Creek
- Indian Wash
- Tyson Wash

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 65: continued)
Hydrology:
Hassayampa River

Photo by Eric Vondy

Linkage 66
Superior - Miami
US 60

Apache Highlands Ecoregion
Sonoran Desert Ecoregion

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 Desertscrub	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*

(Linkage 66: Identified Species continued)
Greater Western Mastiff Bat *Eumops perotis californicus*
Lowland Leopard Frog *Rana yavapaiensis*
Javelina *Tayassu tajacu*
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 *Lasiurus 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
Reymert Wash
Russell Gulch

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 *Glaucidium brasilianum cactorum*
Common Black-hawk *Buteogallus anthracinus*
Desert Sucker *Catostomus clarki*
Loach Minnow *Tiaroga cobitis*
Longfin Dace *Agosia chrysogaster*
Mississippi Kite *Ictinia mississippiensis*
Mountain Lion *Felis concolor*

(Linkage 67: Identified Species continued)

Mule Deer *Odocoileus hemionus*
Northern Gray Hawk *Asturina nitida maxima*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Sonoran Desert Tortoise *Gopherus agassizii*
Sonora Sucker *Catostomus insignis*
Southwestern Willow Flycatcher *Empidonax traillii extimus*
Spikedace *Meda fulgida*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

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 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*
LeConte's Thrasher *Toxostoma lecontei*
Long-legged Myotis *Myotis volans*
Mountain Lion *Felis concolor*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*

Linkage 69
Laguna Mountains – Muggins Mountains
Sonoran Desert Ecoregion

(Linkage 68: Identified Species continued)
Sonoran Desert Tortoise *Gopherus agassizii*
Yuma Myotis *Myotis yumanensis*

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

Hydrology:
Centennial Wash

Photo by Fred Labounty

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 Desertscrub	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*

(Linkage 69: Identified Species continued)
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
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 *Coccyzus americanus Occidentalis*
Yuma Clapper Rail *Rallus longirostris yumanensis*
Yuma Myotis *Myotis yumanensis*

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

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 Desertscrub	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 pallescens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Western Burrowing Owl *Athene cunicularia hypugaea*

(Linkage 70: 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 Desertscrub	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 gracia*
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*

Linkage 72
Sentinel Plain

Sonoran Desert Ecoregion

(Linkage 71: Identified Species continued)

Pronghorn *Antilocapra americana*
Spotted Bat *Euderma maculatum*
Yuma Clapper Rail *Rallus longirostris yumanensis*
Yuma Myotis *Myotis yumanensis*
Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

Threats:

Border Security
Highway (I 8)
Railroad
Urbanization

Hydrology:

None Identified

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 *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*

(Linkage 72: Identified Species continued)

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*
Sonoran Pronghorn *Antilocapra americana sonoriensis*
Southwestern Willow Flycatcher *Empidonax traillii extimus*
Snowy Egret *Egretta thula*
Spotted Bat *Euderma maculatum*
Western Burrowing Owl *Athene cunicularia hypugaea*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
White-faced Ibis *Plegadis chihi*
Yuma Clapper Rail *Rallus longirostris yumanensis*
Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

Threats:

Border Security
Canal
Highway (I 8)
Railroad
Urbanization

Hydrology:

Baragan Wash
Clanton Wash
Columbus Wash
Copper Wash
Deadman Wash
Farmers Canal
Gila River
Gravel Wash
Hoodoo Wash
Mohawk Canal
Nottbusch Wash
Owl Wash
San Cristobal Wash
Sentinel Wash
Tenmile Wash
Texas Hill Canal

(Linkage 72: Hydrology continued)

The Lagoon
Wellton Mohawk Main Channel
Yaqui Wash

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 Desertscrub	0.3%
Lower Colorado River Sonoran Desertscrub	99.7%

Land Ownership:

Bureau of Land Management	1%
Private Land	76%
State Trust Land	23%

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*
Javelina *Tayassu tajacu*
Long-legged Myotis *Myotis volans*
Mountain Lion *Felis concolor*

(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*

Threats:

Border Security
Canal
Highway (SR 85)
Urbanization

Hydrology:

Arlington Canal
Enterprise Canal
Gila River
Rainbow Wash

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 pallescens*
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 macrotis*
Bighorn Sheep *Ovis canadensis*
Bobcat *Lynx rufus*
Cactus Ferruginous Pygmy-owl *Glaucidium brasilianum cactorum*

(Linkage 75: Identified Species continued)

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*
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*
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

(Linkage 76: Identified Species continued)
Mountain Lion *Felis concolor*
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 Myotis *Myotis yumanensis*

Threats:
Agriculture
Border Security
Highway (I 8)
Urbanization

Hydrology:
Bender Wash

Photo by Chan Robbins

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*

(Linkage 77: Identified Species continued)
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 femorosaccus*
Sonoran Desert Tortoise *Gopherus agassizii*
Sonoran Pronghorn *Antilocapra Americana*
Tiger Rattlesnake *Crotalus tigris*
Yuma Myotis *Myotis yumanensis*

Threats:
Border Security
Highway (SR 86)
Urbanization

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

Photo ©2003 Tom Brennan

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 Desertscrub	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 Desertscrub	29%
Lower Colorado River Sonoran Desertscrub	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 79: continued)

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

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

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 cactorum*
- 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*

(Linkage 80: continued)

Threats:
- Agriculture
- Canal (Central Arizona Project)
- Highway (I 10; Picture Road)
- Railroad
- Urbanization

Hydrology:
- Santa Cruz River

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 *Macrotus 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 agassizii*
Tiger Rattlesnake *Crotalus tigris*

(Linkage 81: continued)
Threats:

Agriculture
Highway (SR 77; Tangerine Road)
Urbanization

Hydrology:

Batamote 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
Twentynine Wash
Twentyseven 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

(Linkage 82: continued)
Threats:
Agriculture
Highway (Several Small Roads)
Railroad
Urbanization

Hydrology:
Alder Wash
Bollen Wash
Buehman Canyon
Catalina Wash
Chimney Rock Creek
Clark Wash
Copper Creek
Flag Wash
Gibb Wash
Gust James Wash
Little Gust James Wash
Mulberry Wash
North Fork Clark Wash
Peppersauce Wash
Peters Wash
Ray Spring Wash
Redfield Canyon
San Pedro River
Scanlon Wash
South Fork Clark wash
Soza Wash
Stratton Wash

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*

(Linkage 83: Identified Species continued)
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
Box Spring 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

(Linkage 83: Hydrology continued)
Right Branch Long Hollow
Sand Wash
Sheep Wash
South Fork Ash Creek
South Oak Creek
South Taylor Wash
Squaw Creek
Telegraph Wash
Turkey Creek
Two E Wash
Underwood Wash

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 Desertscrub	14%
Chihuahuan Desertscrub	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 curasoae yerbabuenae*
Mexican Long-tongued Bat *Choeronycteris mexicana*
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus hemionus*

Threats:
Highway (US 191)
Urbanization

(Linkage 84: continued)
Hydrology:
Dial Wash
Gold Gulch
Jacobson Creek
Marijilda Wash
Oak Draw
Owl Wash
Stockton Wash
WA Wash
Willow Spring Wash

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 Desertscrub	34%
Lower Colorado River Sonoran Desertscrub	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

(Linkage 85: continued)
Hydrology:
Brawley Wash

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 Desertscrub	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 86: continued)
Hydrology:
Pan Tak Wash
Pavo Kug Wash
San Vicente Wash
Viopuli Wash

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 Desertscrub	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*

(Linkage 87: continued)
Threats:
Border Security
Highway (SR 86)
Urbanization

Hydrology:
Santa Cruz River
West Branch Santa Cruz River

Linkage 88
Galliuro – 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*
- Chiracahua 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*

(Linkage 88: Identified Species continued)
- 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*
- Chiracahua 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

(Linkage 89: continued)
Threats:
- Border Security
- Highway (I 10; SR 186)
- Railroad
- Urbanization

Hydrology:
- Ash Creek
- Bee Canyon Wash
- Sacaton Wash
- Wood Canyon Wash

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 Desertscrub	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*

(Linkage 90: 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 River
- 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*

(Linkage 91: Identified Species continued)
Underwood's Bonneted Bat *Eumops underwoodi*
Western Red Bat *Lasiurus blossevillii*
Western Yellow Bat *Lasiurus xanthinus*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*

Threats:
Agriculture
Border Security
Highway (SR 286)
Urbanization

Hydrology:
Aros Wash
Arroyo del Compartidero
Asolido Wash
Bailey Wash
Chiltepines Wash
Cuadro Wash
La Osa Wash
Las Moras Wash
Legunita Wash
Little Thomas Wash
Los Encinos Wash
Placeritos 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 92: 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
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*

(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*

(Linkage 94: Identified Species continued)
Mexican Spotted Owl *Strix occidentalis lucida*
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 *Coccyzus 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*
Northern Gray Hawk *Asturina nitida maxima*
Mexican Spotted Owl *Strix occidentalis lucida*
Mountain Lion *Felis concolor*
Pronghorn *Antilocapra americana*

Linkage 96
Patagonia – Santa Rita
Sky Island Ecoregion

(Linkage 95: Identified Species continued)
Western Black Kingsnake *Lampropeltis getula nigrita*
Western Red Bat *Lasiurus blossevillii*
White-tailed Deer *Odocoileus virginianus*
Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

Threats:
Border Security
Highway (SR 83)
Urbanization

Hydrology:
Fortynine Wash
Gardner Canyon Stream

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 curasoae yerbabuenae*
Longfin Dace *Agosia chrysogaster*
Mexican Long-tongued Bat *Choeronycteris mexicana*

(Linkage 96: Identified Species continued)
Mexican Spotted Owl *Strix occidentalis lucida*
Mule Deer *Odocoileus hemionus*
Northern Gray Hawk *Asturina nitida maxima*
Northern Mexican Gartersnake *Thamnophis eques megalops*
Rose-throated Becard *Pachyramphus aglaiae*
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*

Threats:
Border Security
Highway (SR 82)
Urbanization

Hydrology:
Harshaw Creek
Sonoita Creek

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 Desertscrub	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 curasoae 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*

(Linkage 97: Identified Species continued)
White-tailed Deer *Odocoileus virginianus*

Threats:
Border Security
Highway (SR 90)
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 spragueii*
Western Red Bat *Lasiurus blossevillii*

Linkage 99
Dragoon – San Pedro River
Sky Island Ecoregion

(Linkage 98: Identified Species continued)
White-nosed Coati *Nasua narica*
White-tailed Deer *Odocoileus virginianus*

Threats:
Agriculture
Border Security
Grazing
Highway (SR 82)
Urbanization

Hydrology:
Babocomari River
Blacktail Wash
Mescal Creek
Slaughterhouse Wash
Turkey Creek

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 Desertscrub	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*

(Linkage 99: continued)
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

(Linkage 100: Threats continued)
- Railroad
- Urbanization

Hydrology:
- Soldier Creek

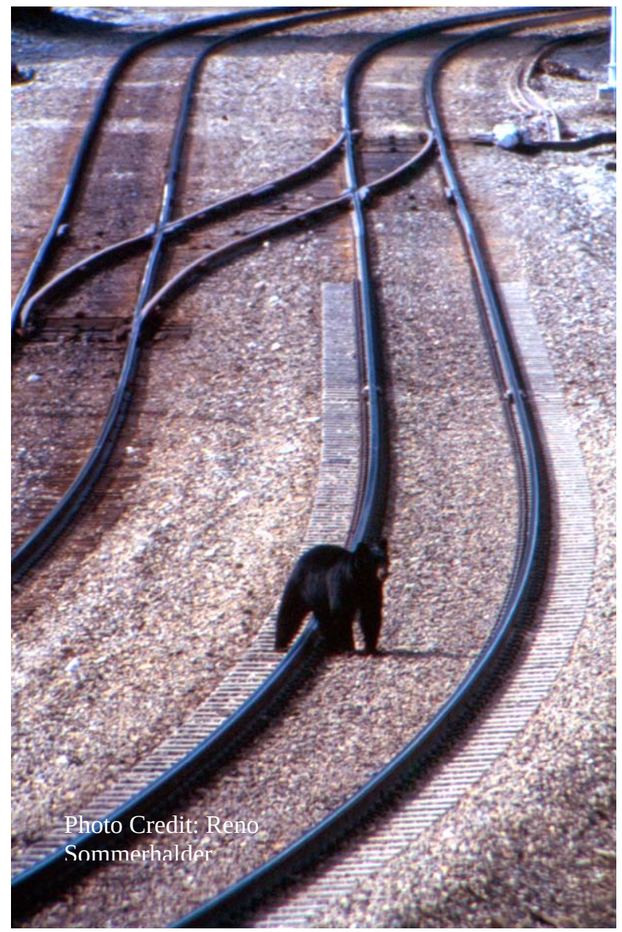


Photo Credit: Reno Sommerhalder

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*
- 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*
- 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

(Linkage 101: continued)

Threats:
- Agriculture
- Border Security
- Highway (SR 80)
- Railroad
- Urbanization

Hydrology:
- Black Draw
- Buck Creek
- Cottonwood Creek
- Danger Wash
- Hackberry Wash
- Hay Hollow Wash
- Indian Creek
- Mulberry Draw
- Silver Creek
- Sycamore Creek
- Wildcat Wash

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
- Semidesert Grassland

*Note: Linkage extends into Mexico

Land Ownership:
- Bureau of Land Management
- National Parks
- Tribal Land (Tohono O'dham)
- 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 *Macrotus californicus*
- Cave Myotis *Myotis velifer*

(Linkage 102: Identified Species continued)
- 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*
- Massasauga *Sistrurus catenatus*
- 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*
- 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 underwoodi*
- Western Burrowing Owl *Athene cunicularia hypugaea*
- 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 strictogrammus*
Gila Topminnow *Poeciliopsis occidentalis occidentalis*
Jaguar *Panthera onca*
Javelina *Tayassu tajacu*

(Linkage 103: Identified Species continued)
Lowland Leopard Frog *Rana yavapaiensis*
Masked Bobwhite *Colinus virginianus ridgwayi*
Mule Deer *Odocoileus hemionus*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Pronghorn *Antilocapra americana*
Underwood's Bonneted Bat *Eumops underwoodi*
Western Red Bat *Lasiurus blossevillii*
Western Yellow Bat *Lasiurus xanthinus*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

Threats:
Agriculture
Border Security
Highway (SR 286)
Urbanization

Hydrology:
Arroyo del Sasabe
La Osa Wash

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 strictogrammus*
Gila Topminnow *Poeciliopsis occidentalis occidentalis*
Jaguar *Panthera onca*
Javelina *Tayassu tajacu*
Lowland Leopard Frog *Rana yavapaiensis*
Longfin Dace *Agosia chrysogaster*

Linkage 105
Santa Cruz – Mexico
Sky Island Ecoregion

(Linkage 104: Identified Species continued)
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*
Northern Mexican Gartersnake *Thamnophis eques megalops*
Southwestern Willow Flycatcher *Empidonax traillii extimus*
Thick-billed Kingbird *Tyrannus crassirostris*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
White-tailed Deer *Odocoileus virginianus*
Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

Threats:
Border Security
Urbanization

Hydrology:
Canoa Wash
Cantina Wash
Fresnal Wash
Potrero Creek
Sycamore Canyon
Tres Bellotas Canyon

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*
Gila Topminnow *Poeciliopsis occidentalis occidentalis*
Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*
Jaguar *Panthera onca*
Javelina *Tayassu tajacu*
Longfin Dace *Agosia chrysogaster*
Lowland Leopard Frog *Rana yavapaiensis*
Northern Gray Hawk *Asturina nitida maxima*
Northern Mexican Gartersnake *Thamnophis eques megalops*
Sonoran Desert Tortoise *Gopherus agassizii*

(Linkage 105: Identified Species continued)
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
White-tailed Deer *Odocoileus virginianus*
Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

Threats:
Border Security
De-watering of the River
Urbanization

Hydrology:
Santa Cruz River

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

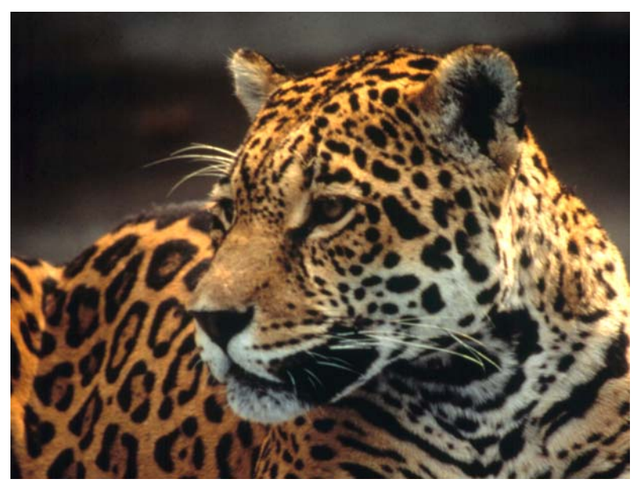
Land Ownership:
Private Land
USDA Forest Service (Coronado)
*Note: Linkage extends into Mexico

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 *Agosia 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 pygmaeus*
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 *Amazilla violiceps*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
White-tailed Deer *Odocoileus virginianus*
Yellow-nosed Cotton Rat *Sigmodon ochrognathus*

Threats:
Border Security
Urbanization

Hydrology:
Bear Creek
Joaquin Creek
Santa Cruz River



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 *Agosia chrysogaster*
Lowland Leopard Frog *Rana yavapaiensis*
Mountain Lion *Felis concolor*
Northern Gray Hawk *Asturina nitida maxima*

Linkage 108
San Bernadino - Mexico
Sky Island Ecoregion

(Linkage 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 ochrognathus*

Threats:
Border Security
Highway (SR 92)
Urbanization

Hydrology:
San Pedro River

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 edwardsii*
Greater Western Mastiff Bat *Eumops perotis californicus*
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

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 Desertscrub
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

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 *Macrotus californicus*
Common Black-hawk *Buteogallus anthracinus*
Hoary Bat *Lasiurus cinereus*
Kit Fox *Vulpes macrotis*
Lowland Leopard Frog *Rana yavapaiensis*
Maricopa Tiger Beetle *Cicindela oregona maricopa*
Mohave Desert Tortoise *Gopherus agassizii*

Linkage 111
Mohave Mountains – Castaneda Hills
Mohave Desert Ecoregion

(Linkage 110: Identified Species continued)
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus hemionus*
Spotted Bat *Euderma maculatum*

Threats:
County Road
Livestock
Recreation
Urbanization

Hydrology:
Beaver Dam Wash
Castle Cliff Wash

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):

AZ Upland Sonoran Desertscrub	93%
Mohave Desertscrub	7%

Land Ownership:

Bureau of Land Management	99%
Private Land	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 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*

(Linkage 111: Identified Species continued)
Mountain Lion *Felis concolor*
Mule Deer *Odocoileus hemionus*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Sonoran Desert Tortoise *Gopherus agassizii*
Speckled Rattlesnake *Crotalus mitchellii*
Swainson's Hawk *Buteo swainsoni*
Western Burrowing Owl *Athene cunicularia hypugaea*
Yuma Myotis *Myotis yumanensis*

Threats:
Recreation
Urbanization

Hydrology:
Crozier Wash
Middle Mohave Wash
Mohave Wash
Standard Wash

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 Desertscrub	100%

Land Ownership:

Bureau of Land Management	100%

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 *Macrotus 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*
- 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 Desertscrub	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 cinctum*
- Big Free-tailed Bat *Nyctinomops macrotis*
- Bobcat *Lynx rufus*
- California Leaf-nosed Bat *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Rosy Boa *Charina trivirgata gracia*
- Fringed Myotis *Myotis thysanodes*

Linkage 114
Harcuvar Mountains – Black Mountains
Sonoran Desert Ecoregion

(Linkage 113: Identified Species continued)
- 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*
- Ringtail *Bassariscus astutus*
- Riparian Obligates
- Roundtail Chub *Gila robusta*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonora Sucker *Catostomus insignis*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Speckled Rattlesnake *Crotalus mitchellii*
- 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
- Urbanization

Hydrology:
- Peoples Creek
- Santa Maria River

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 Desertscrub	7%
Mohave Desertscrub	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 *Macrotus californicus*
- Cave Myotis *Myotis velifer*
- Common Black-hawk *Buteogallus anthracinus*
- Desert Rosy Boa *Charina trivirgata gracia*

(Linkage 114: 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*
- Ringtail *Bassariscus astutus*
- Riparian Obligates
- Roundtail Chub *Gila robusta*
- Sonoran Desert Tortoise *Gopherus agassizii*
- Sonora Sucker *Catostomus insignis*
- Southwestern Willow Flycatcher *Empidonax traillii extimus*
- Speckled Rattlesnake *Crotalus mitchellii*
- 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)
- Urbanization

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 Desertscrub	98%
Lower Colorado River Sonoran Desertscrub	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 Desertscrub	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*

Linkage 117
South Trigo Peaks – Trigo Mountains
Sonoran Desert Ecoregion

(Linkage 116: continued)
Threats:
Recreation
Road (Plumosa Road)
Urbanization

Hydrology:
None identified

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 Desertscrub	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 117: continued)
Threats:
Military Usage
Recreation
Roads (Cibola East Road)
Urbanization

Hydrology:
Mohave Wash

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 Desertscrub	20%
Lower Colorado River Sonoran Desertscrub	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 *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 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

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 Desertscrub	46%
Lower Colorado River Sonoran Desertscrub	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 *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 119: continued)

Threats:
Off Road Usage
Recreation
Roads

Hydrology:
French Creek

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*

(Linkage 120: Identified Species continued)
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:
Off Road Usage
Recreation
Roads (Palomas Harquahala Road)

Hydrology:
Deadman Wash

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 Desertscrub	51%
Lower Colorado River Sonoran Desertscrub	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*

(Linkage 121: 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 Desertscrub	78%
Lower Colorado River Sonoran Desertscrub	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 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*

(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
Mohave Peak – Chocolate Mountains
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):
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 *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*

Threats:
Military Usage

(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 Orgainization

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*

(Linkage 124: 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

(Linkage 125: Identified Species continued)

Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
Pocketed Free-tailed Bat *Nyctinomops femorosaccus*
Sonoran Desert Tortoise *Gopherus agassizii*
Sonoran Pronghorn *Antilocapra americana sonoriensis*
Southwestern Willow Flycatcher *Empidonax traillii extimus*
Snowy Egret *Egretta thula*
Spotted Bat *Euderma maculatum*
Western Burrowing Owl *Athene cunicularia hypugaea*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
White-faced Ibis *Plegadis chihi*
Yuma Clapper Rail *Rallus longirostris yumanensis*
Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

Threats:

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

Hydrology:

None identified

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%

Land Ownership:

Bureau of Land Management	98%
State Wildlife Area (Painted Rock)	2%

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*

(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 traillii extimus*
Snowy Egret *Egretta thula*
Spotted Bat *Euderma maculatum*
Western Burrowing Owl *Athene cunicularia hypugaea*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
White-faced Ibis *Plegadis chihi*
Yuma Clapper Rail *Rallus longirostris yumanensis*
Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

Threats:

Off Road Usage
Recreation
Roads

Hydrology:

Gila River
Painted Rock Reservoir

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 Desertscrub	56%
Lower Colorado River Sonoran Desertscrub	44%

Land Ownership:

Bureau of Land Management	100%

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*
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 femorosaccus*

(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 Desertscrub	54%
Lower Colorado River Sonoran Desertscrub	46%

Land Ownership:

Bureau of Land Management	100%

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*
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 femorosaccus*

Linkage 129
Southern Colorado River
Sonoran Desert Ecoregion

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

Threats:
Off Road Usage
Railroad
Roads (SR 238)
Urbanization

Hydrology:
None identified

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 macrotus*
Bighorn Sheep *Ovis canadensis*
California Leaf-nosed Bat *Macrotus californicus*
Cave Myotis *Myotis velifer*
Desert Rosy Boa *Charina trivirgata gracia*
Great Egret *Ardea alba*
Greater Western Mastiff Bat *Eumops perotis californicus*

(Linkage 129: Identified Species continued)
Long-legged Bat *Myotis volans*
Mountain Lion *Felis concolor*
Pale Townsend's Big-eared Bat *Corynorhinus townsendii pallescens*
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
Canal (All American Canal; East Main Canal; Main Canal; Main Outlet Drain; North Drain; North Gila Main Canal; Thacker Lateral; 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

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

(Linkage 129: Hydrology continued)

McAllister Wash
North Drain
North Gila Main Canal
Thacker Lateral
West Main Canal

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 Desertscrub	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 *Macrotus 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 pallescens*
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 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 Desertscrub	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 *Macrotus californicus*
Cave Myotis *Myotis velifer*
Desert Rosy Boa *Charina trivirgata gracia*
Flat-tailed Horned Lizard *Phrynosoma mcallii*
Great Egret *Ardea alba*
Greater Western Mastiff Bat *Eumops perotis californicus*
Least Bittern *Ixobrychus exilis*

(Linkage 131: Identified Species continued)

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*
Sonoran Pronghorn *Antilocapra americana sonoriensis*
Southwestern Willow Flycatcher *Empidonax traillii extimus*
Snowy Egret *Egretta thula*
Spotted Bat *Euderma maculatum*
Western Burrowing Owl *Athene cunicularia hypugaea*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
White-faced Ibis *Plegadis chihi*
Yuma Clapper Rail *Rallus longirostris yumanensis*
Yuma Myotis *Myotis yumanensis*
Yuman Desert Fringe-toed Lizard *Uma notata rufopunctata*

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 Desertscrub	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 *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*

Linkage 133
Copper Mountains – Cabeza Prieta Mountains
Sonoran Desert Ecoregion

(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 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 (El Camino del Diablo)

Hydrology:
Coyote Wash
La Jolla Wash

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%

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*

(Linkage 133: 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

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 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
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*

(Linkage 135: 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 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
Roads (Christmas Pass Road)

Hydrology:

Mohawk Wash

Photo by Robert Suplee

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 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*

(Linkage 136: 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 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
Recreation

Hydrology:

None identified

Linkage 137
South Sierra Pinta – Papago Well
Sky Island 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:
National Wildlife Refuge (Cabeza Prieta)

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*

(Linkage 137: 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 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
Roads (El Camino del Diablo)

Hydrology:
Papago Wash

Linkage 138
Northern Mohawk 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 and Phoenix 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) 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*

Linkage 139
Mohawk Mountains – Bryan Mountains
Sonoran Desert Ecoregion

(Linkage 138: 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 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
Recreation

Hydrology:
None identified

Photo by Brian Kenney

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 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 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
Roads

Hydrology:
None identified

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 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*

(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 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:
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 burti 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

(Linkage 141: 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*
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
Recreation

Hydrology:

San Cristobal Wash

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 *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*

(Linkage 142: Identified Species continued)

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
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%

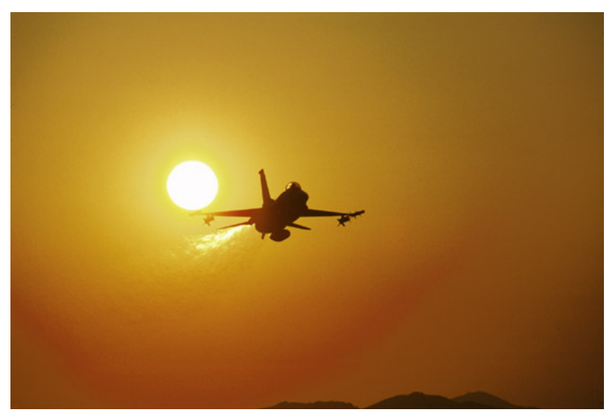
Land Ownership:
Department of Defense
(Barry Goldwater Air Force Range) 100%

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 *Gastrophryne olivacea*
Javelina *Tayassu tajacu*
Kit Fox *Vulpes macrotis*
Lesser Long-nosed Bat *Leptonycteris curasoae yerbabuenae*

(Linkage 143: 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*
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

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 *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*

(Linkage 144: Identified Species continued)

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:

Growler Wash

Photo by Bill Broyles

Linkage 145
Bates Mountains/Cipriano Hills – Agua Dulce Mountains/Quitobaquito 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 Desertscrub	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 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*

(Linkage 145: 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*
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
Off Road Usage
Recreation
Roads

Hydrology:

San Cristobal Wash

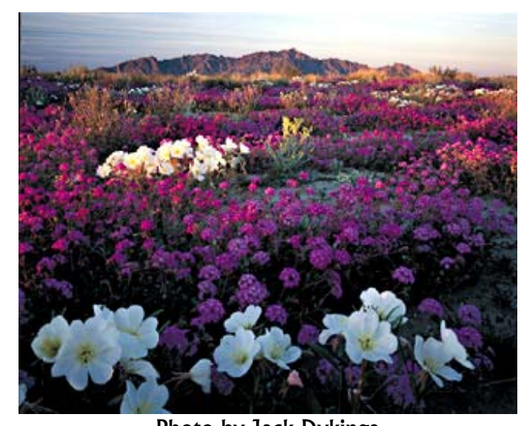


Photo by Jack Dykinga

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 Desertscrub	100%

Land Ownership:

Department of Defense (Barry Goldwater Air Force Range)	4%
National Wildlife Refuge (Cabeza Prieta)	96%

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 gracia*
Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*

(Linkage 146: Identified Species continued)
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 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
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 Desertscrub	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 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*

Linkage 148
Round Butte – Javelina Mountain
Sonoran Desert Ecoregion

(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*
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
Off Road Usage
Recreation
Roads (Bates Well Road)

Hydrology:
Cherioni Wash
Cuerda de Lena
Growler Wash

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 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*

(Linkage 148: 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*
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

Hydrology:
Sand Tank 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 gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- Greater Western Mastiff Bat *Eumops perotis californicus*
- Great Plains Narrow-mouthed Toad *Gastrophryne olivacea*

(Linkage 149: Identified Species continued)
- 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 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
- 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 gracia*
- Giant Spotted Whiptail *Aspidoscelis burti stictogrammus*
- 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 *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 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
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*

(Linkage 151: Identified Species continued)

California Leaf-nosed Bat *Macrotus californicus*
Desert Pupfish *Cyprinodon macularius*
Desert Sucker *Catostomus clarki*
Least Bittern *Ixobrychus exilis*
Lowland Leopard Frog *Rana yavapaiensis*
Roundtail Chub *Gila robusta*
Sonora Sucker *Catostomus insignis*
Sonoran Desert Tortoise *Gopherus agassizii*
Southwestern Willow Flycatcher *Empidonax traillii extimus*
Western Burrowing Owl *Athene cunicularia hypugaea*
Western Yellow Bat *Lasiurus xanthinus*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
Yuma Clapper Rail *Rallus longirostris yumanensis*

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)
Granite Reef Dam
Highways (I 10; I 17; SR 51; SR 85; SR 87; SR 101; SR 143; SR 153; SR 202)
Railroad
Recreation
Urbanization

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 Desertscrub	23%
Lower Colorado River Sonoran Desertscrub	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 (Pascau Yaqui; Salt River; San Xavier)	5.1%
USDA Forest Service (Tonto)	0.2%

(Linkage152: 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 *Macrotus californicus*
Cave Myotis *Myotis velifer*
Clark's Grebe *Aechmophorus clarkii*
Desert Rosy Boa *Charina trivirgata gracia*
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 *Corynorhinus townsendii pallescens*
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 traillii extimus*
Western Yellow-billed Cuckoo *Coccyzus americanus occidentalis*
Yellow-nosed Cotton Rat *Sigmodon ochrognathus*
Yuma Clapper 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