

Appendix D

# **GIS Data Provided by BLM Phoenix Field Office**

**Table D-1. Existing Data Provided by BLM Phoenix Field Office**

Theme Category	Theme Description
Base data	County boundaries
Base data	Field Office boundaries
Base data	Indian reservation boundaries
Base data	National Park/Monument boundaries
Base data	State boundaries
Base data	Town locations
Base data	USFS boundaries
Geology	Surface geology
Geology	Fault lines
Geology	Mineral Potential
Hydrography	Hydrography - line (streams)
Hydrography	Hydrography - point (springs)
Hydrography	Hydrography - polygon (lakes)
Hydrography	Riparian Inventory
Hydrography	Hydrologic Units - 4th order
PLSS	Sections
PLSS	Townships
Soils	Soils (SSURGO)
Transportation	Interstates
Vegetation	Vegetation
ACEC	ACECs
Base data	Geographic place names
Fire	Prescribed Burn Blocks
Fire	Fire management polygons
Fire	NFFL Fuel Models
Lands	Land status – surface
Lands	Potential Land Disposals
PLSS	GCDB
Range	Grazing allotments
Range	Range improvement points
Range	Wild burro management areas
Recreation	Off highway designation areas
Recreation	Recreation facilities (developed sites)
Recreation	Recreation trails
Recreation	VRM classes
Recreation	Wild and scenic river recommendations
Wilderness	Wilderness Areas
Wildlife	Bighorn Sheep Habitat
Special status species	Desert tortoise habitat
Hydrography	Central Arizona Project
Hydrography	Central Arizona Project Canal
Hydrography	Precipitation
Geology	Arizona Mines
Vegetation	GF (?) Vegetation
Vegetation	Native Vegetation
Base data	Index to the 1:24,000 USGS quad topo sheets
Wilderness	Wild BLM lands (?)

**Table D-1.** Existing Data Provided by BLM Phoenix Field Office (cont'd)

Theme Category	Theme Description
Wilderness	Wild Forest Service lands (?)
Wilderness	Wild Fish and Wildlife Service lands (?)
Wilderness	Wild National Park Service lands (?)
Transportation	Streets
Recreation	Black Canyon Trail corridor
Range	Pasture
Utility	AFNM utilities
Utility	Utility corridors
Utility	Communication sites
Base data	1:100,000 USGS quad topo sheets. 12 files.
Base data	1:250,000 USGS quad topo sheets. 4files.
Base data	90 meter hillshade, Bradshaw
Base data	90 meter digital elevation model, Bradshaw
Base data	Clipped 30 meter hillshade, Bradshaw
Base data	Clipped 30 meter digital elevation model, Bradshaw
Base data	Wilderness inventory; Road and route inventory on potential wilderness areas. Land designated as future open space in Maricopa County
Transportation	
Lands	Maricopa County
Hydrography	PFC assessment
Geology	Mineral districts
Geology	Mine sites
Geology	Federally controlled minerals
Base data	1:24,000 USGS quad topo sheets. 196 files.
Transportation	State and Federal Highways
Transportation	County connectors & major streets
Transportation	City streets and country roads
Transportation	Jeep trails
Transportation	Interchanges and overpasses
Transportation	trails
Transportation	railroads

**Table D-2. Missing or Incomplete Data Sets Provided by BLM Phoenix Field Office**

Data Sets Required	Is the data set in PFO GIS? If so, is it adequate as is?
Maps of split estate location - accurate surface and mineral ownership	Surface ownership in GIS at 1:100,000 scale. May not be adequate for this plan. No subsurface ownership
In-stream flow hydrology study	No
Water source inventory	No
Grazing Standard and Guideline evaluations	No
Wilderness inventory	No
Visual Resource Management (VRM) inventory	Currently under development
Ecological Site Inventory (ESI) ESI	No
Cultural resource inventory - Primarily focused on areas of high risk and high probability of site occurrence	No
Travel/Access route inventory	Yes - incomplete, some additional data will need to be collected for the plan in Summer 2002 (Skull Valley)
Range improvement inventory	Partial inventory - Accuracy only verified on some allotments
Water rights inventory	Some - DWR database. May be incomplete
Assessment of current and future needs for transportation and utility corridors	No
Assessment of current and future comm. site needs	No
Noxious weed inventory	Partial SWEMP database
Soil Survey - Order 3 inventory	No
Recreation Opportunity Spectrum (ROS) inventory	Currently under development
Update Perry Mesa vandalism study. Compile vandalism reports submitted by site stewards and others	No
Community Partnerships	No
Planning by other govt. agencies and corporations (APS, SRP, ADOT, Arizona State Lands, Arizona State Parks, Counties, Cities, Tonto NF, Prescott NF, etc.)	No
Ethnohistoric studies	No
Historic Resources overview of the Bradshaws	No
Update Mineral Potential maps	No

**Table D-2. Missing or Incomplete Data Sets Provided by BLM Phoenix Field Office (cont'd)**

Data Sets Required	Is the data set in PFO GIS? If so, is it adequate as is?
Visitor use statistics	No
Mineral occurrence maps indicating: 1. Inactive - past production 2. Active - mining presently 2. Reserves - potential future development	No
Historic fire occurrence	Yes - but data is incomplete and not very accurate
Location of existing mineral leases, permits, and claims.	No
Water quality inventory	Some - ADEQ limited waters
Database of Known Occupancies with information on hazmat	No
Dump inventory	No
Mineral occurrence maps - sand & gravel and landscape material	No
Metadata collection for existing and new data	No
Ethnographic Research	No
Compile & digitize mineral index maps	No
Data analysis - geologic & mineral assessments	No
Geologic maps	Yes, but at 1:1,000,000 - Not adequate for this plan
Fire effects	No
Information from communities on possible future R&PP needs/desires	No
Locations for existing campgrounds, trail heads, trails, and other developments appropriate to retain and segregate from mineral development	Yes - may be incomplete
Threatened, Endangered, and Special Status Species habitat inventory	Received from AGFD
Taylor Grazing Act lands	Some - surface ownership available
Number and locations of current Special Recreation Permits (SRP), Visitor Statistics from current SRPs	Some - some Commercial permits are digitized. Incomplete coverage.
Wildlife species distribution maps	No
Abandoned Mine inventory	Received from ASMI
Current wildlife habitat condition	No
Oral history interviews	No
Paleontological Resource Inventory	No
Update AZSite database	Northland currently developing

**Table D-2. Missing or Incomplete Data Sets Provided by BLM Phoenix Field Office (cont'd)**

Data Sets Required	Is the data set in PFO GIS? If so, is it adequate as is?
Maps showing preferred areas for Mineral Material development	No
Update Hazmat Database	No
Data on low income and minority communities (new census data)	Available from Census Bureau
Mineral Material demand projections from county & city planners	No
Native/exotic fish inventory - Fish species distribution inventory	Received from AGFDOHV
Law enforcement agency partnerships	No
Analysis of roads and proximity to significant cultural sites. Analysis of proximity of all sensitive resources (T&E or SSS habitat, hazmat or other safety risks, etc.) to roads.	Some - Roads and routes data being acquired now. Some of the sensitive sites may be in GIS, others not and may be noted in this table.
Review existing documentation and determine abandoned mines at highest risk as hazards to public or for hazmat.	Yes - though may be incomplete
ADEQ Air and Water Quality Standards	No
Maricopa County Eye to the Future 2020" open space report	No
Mule deer, pronghorn, & elk distribution and population inventories	No
Desert tortoise distribution inventory	Yes - data satisfactory as is.
Riparian inventory/PFC assessment	Yes - data complete
Cultural Sites	Not yet received
Range improvement polygons/lines	Not yet received
OHV Routes	Not yet received
Bighorn Sheep Habitat	Not yet received
NFDRS Fuel Models	Not yet received