

Navajo Nation Abandoned Uranium Mine Lands Study
GIS DATA DIRECTORIES, FILENAMES, AND BRIEF DESCRIPTIONS

DIRECTORY	FILENAME	BRIEF DESCRIPTION
AUM		
	E_Exploration_Areas.shp	Exploration areas within the Eastern AUM Region
	I-149-IND-5705_Explore_Lease.shp	Extent of the approximately 104 square mile exploration mining lease
	NC_Exploration_Areas.shp	Extent of exploration areas within the North Central AUM Region
	NN_AUM_Buffer_Surf.shp	Buffers of Abandoned Uranium Mine (AUM) surface polygons
	NN_AUM_Buffer_Surf_Undrgnd.shp	Buffers of AUM surface and underground polygons
	NN_AUM_Poly_Surf.shp	Surface polygons of AUMs
	NN_AUM_Poly_Surf_Undrgnd.shp	Surface and underground polygons of AUMs
	NN_AUM_Poly_Undrgnd.shp	Underground polygons of AUMs
	NN_AUM_Problem_Areas.shp	Problem areas that contain multiple project areas within the Navajo Nation
	NN_AUM_Production.shp	Polygons of uranium and vanadium production for Abandoned Uranium Mines (AUMs)
	NN_AUM_Production_Pts.shp	Points of uranium and vanadium production for Abandoned Uranium Mines (AUMs)
	NN_AUM_Project_Sites.shp	NAMLRP Project Areas associated with abandoned uranium-vanadium mines
	NN_AUM_Pt_Features.shp	Point location for each AUM feature (e.g., pits, rim strips, portals, prospects, etc.)
	NN_AUM_Pt_Scores.shp	AUM centroid with project Modified-HRS screening scores
	NN_CERCLIS_UV_Site.shp	Uranium and Vanadium Mine CERCLIS sites
	NN_Mills.shp	Uranium mill site polygons in and proximal to the Navajo Nation AUM Regions
Boundary		
	Navajo_Nation.shp	Political and administrative boundaries within Navajo Nation
	NN_AUM_Regions.shp	Boundaries of the six Abandoned Uranium Mines (AUM) Regions
	NN_County.shp	U.S. Counties for Arizona, Colorado, New Mexico, and Utah
	NN_Land_Status.shp	Land status (ownership and/or administrative) of Navajo Nation lands
	NN_State.shp	U.S. States for Arizona, Colorado, New Mexico, and Utah
Climate		
	NN_Precipitation.shp	PRISM model of average annual precipitation for 1971-2000 for Navajo Nation region
	NN_Snow.shp	NAOO/NWS Cooperative Observer (COOP) average snowfall for Navajo Nation region
	NN_Temp_Max.shp	PRISM model of average annual maximum temperature for 1971-2000
	NN_Temp_Min.shp	PRISM model of average annual minimum temperature for 1971-2000
	NN_Wind.shp	NOAA/NWS average monthly and annual wind direction and speed for 1996-2006
	NN_Wind_Power.shp	NREL estimated average wind resource potential at 50 meter height
Cultural		
	NN_Pop_Places.shp	Populated places from the USGS Geographic Names Information System
	NN_Structures_1mi.shp	Structures within 1 mile of AUM
	nnchpts.shp	Chapter House locations across the Navajo Nation
Demog		
	nn_censuspl.shp	Census designated places and incorporated areas
	nn_nalands.shp	American Indian Areas for the Navajo Nation from the Census Cartographic Boundary Files
	nn_tribal_bg.shp	Tribal Block Groups from the Census Bureau
	nn_tribal_sub_w_pop.shp	Tribal Subdivisions with Census Bureau population statistics merged
Geology		
	NN_Geology.shp	Merged surficial geology map for Arizona, Colorado, Nevada, New Mexico, and Utah
	NN_Karst.shp	USGS Open File Report 2004-1352, Engineering Aspects of Karst map
	NN_Mining_Districts.shp	Map of mining districts of the Navajo Nation
	nn.physio.shp	Physiographic Divisions of the conterminous United States as defined by Fenneman
	Shinarump_Channels.shp	Shinarump channels compiled and mapped by Yound and Malan, 1964
Index		
	NN_DOQQ.shp	USGS Digital Orthophoto Quarter Quadrangle index for the Navajo Nation
	NN_Topo24K.shp	USGS 7½ minute (1:24,000 scale) topographic quadrangle index
Logo		
	NAMLRP.jpg	Navajo Nation Environmental Protection Agency (multiple versions)
	NNEPA.jpg	Navajo Abandoned Mine Lands Reclamation Program (multiple versions)

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	NNseal.jpg	Navajo Nation seal (multiple versions)
	USACE.jpg	U.S. Army Corps of Engineers (multiple versions)
	USEPA.jpg	U.S. Environmental Protection Agency (multiple versions)
Photos		
	Photo_name.jpg	Various photos used for Report and Atlas graphics
PLSS		
	NN_GCDB_Qsections.shp	Public Land Survey System quarter sections from BLM Geographic Coordinate Data Base
	NN_GCDB_Sections.shp	Public Land Survey System sections from BLM Geographic Coordinate Data Base (GCDB)
	NN_GCDB_Twnshp.shp	Public Land Survey System township and ranges from BLM GCDB
Radiation		
	NAUM_Radsurveys.xls	Spreadsheet of summary information for DOE aerial radiation surveys on the Navajo Nation
	NN_Excess_Bi214_Contours.shp	Iso-contours of excess bismuth 214 based on DOE aerial radiation surveys
	NN_Excess_Bi214_Polys.shp	Polygons of excess bismuth 214 based on DOE aerial radiation surveys
	NN_Flight_Areas.shp	Extent of US Department of Energy aerial radiation surveys of selected Navajo Nation AUM areas
	NN_Gross_Count_Contours.shp	Iso-contours of estimated ground exposure rate based on DOE aerial radiation surveys
	NN_Gross_Count_Polys.shp	Polygons of estimated ground exposure rate based on DOE aerial radiation surveys
Sampling		
	CRUMP_Samples.shp	Church Rock Uranium Monitoring Project (CRUMP) water sample locations and results
	NN_NURE_Sediment.shp	National Uranium Resource Evaluation (NURE) stream sediment reconnaissance data for Navajo Nation
	NN_NURE_Water.shp	National Uranium Resource Evaluation (NURE) hydrogeochemical reconnaissance data for Navajo Nation
	NN_USACE_Samples.shp	Water sample data from US Army Corps of Engineers (USACE) Integrated Assessment
	NNEPA_Samples.shp	Water data from a sanitary assessment of drinking water by Navajo EPA
	USGS_Briet_Samples.shp	Water sample data from AUMs in the Bidahochi area collected by USGS
	USGS_Longworth_Samples.shp	Water sample data for AUMs in the Monument Valley and Cameron mining districts collected by USGS
Sens_Env		
	NN_NPS.shp	National Park Service unit boundaries for the Navajo Nation and adjacent region
	NN_Wetlands_Lines.shp	Wetlands on the Navajo Nation AUM regions based on National Wetlands Inventory maps - line format
	NN_Wetlands_Polys.shp	Wetlands on the Navajo Nation AUM regions based on National Wetlands Inventory maps - polygon format
	NN_Wilderness.shp	Wilderness and Wilderness Study Areas on or near Navajo Nation from the US National Atlas
Soils		
	NN_STATSGO.shp	National Cooperative Soil Survey's State Soil Geographic (STATSGO) data for the Navajo Nation
	nnstsgob_all	Arc/Info coverage version of STATSGO data for the Navajo Nation
Topo		
	NN_Elevation.img	USGS National Elevation Data covering the Navajo Nation
	NN_Shaded_Relief.img	Shaded relief image from USGS Digital Elevation Models (DEMs)
	NN_Slope.img	Percent slope image from USGS Digital Elevation Models (DEMs)
Trans		
	NN_Highways.shp	Navajo area highways from the National Highway Planning Network
	NN_Paved_Roads.shp	Paved roads from BIA and updated by interpretation of DOQQ imagery
	NN_Rail.shp	National Rail Network lines for the the Navajo Nation Area
Water		
	chp1_data_users_guide.pdf	User guide for the National Hydrography Dataset (NHD)
	GWRegions_US.shp	Generalized ground-water regions of the Conterminous United States prepared by the USGS
	NHDinGEO_Fcodes_by_layer.pdf	National Hydrography Dataset feature codes by later
	NN_Aquifer_Sensitivity.shp	USGS Water-Resources Investigations Report 02-4051 of aquifer sensivity on the Navajo Nation
	NN_Aquifers.shp	Aquifers of the Navajo Nation exposed at the surface and receiving recharge, Cooley et. al of USGS
	NN_Areas_NHDH.shp	NHD high-resolution hydrographic areas for the Navajo Nation
	NN_Drainage_HR_AUM.shp	Streams within one mile overland and downslope of AUMs on the Navajo Nation
	NN_Drainage_Poly_HR_AUM.shp	Waterbodies along steams wihin one mile overland and downslope of AUMs on the Navajo Nation
	NN_Flowline_NHDH.shp	NHD high-resolution drainages for the Navajo Nation
	NN_GW_Basins.shp	Groundwater Basins for the Navajo Nation

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	NN_HUC_250.SHP	Watershed designations by Hydrologic Unit Codes (HUCs) of the Navajo Nation
	NN_Major_Waters.shp	Major waters of the Navajo region from Census TIGER 2000/line files
	NN_Points_NHDH.shp	NHD high-resolution hydrographic points for the Navajo Nation
	NN_Subbasins.shp	NHD high-resolution subregions, accounting units, and subbasins for the Navajo Nation
	NN_Water_Level_and_Direction.shp	Water levels and ground-water directions for selected Navajo Nation aquifers
	NN_WaterBody_NHDH.shp	NHD High-Resolution Waterbodies for the Navajo Nation
	NN_Wells.shp	Water Wells and Developed Springs on the Navajo Nation
	NN_Wells_4mi.shp	Water Wells and Developed Springs within Four Miles of Abandoned Uranium Mines on the Navajo Nation

Notes: For more detailed descriptions of these files see the associated metadata.

Each ESRI shapefile listed above (identified by the .shp extension) also has an associated set of database and other files identified by the same base file name with other extensions (e.g., .dbf, .sbn, .sbx, etc.). Some files also have custom layer files, identified by the .lyr extension, used for custom map symbol and color display assignments.

The image files (identified by the .img extension) are in ERDAS Imagine format.

The NN_ file name prefix indicates data sets that span the Navajo Nation.