

**Documented Sensitive Species in Spring Valley  
Nevada Natural Heritage Database**

The species data provided consists of a geographically clipped version of the Nevada Heritage Dataset. The original metadata for the entire Nevada Heritage dataset provided to SNWA is enclosed. The geographic area (Spring Valley) defining the extent of the Heritage dataset provided was taken from a dataset of hydrographic basins. The metadata for this dataset is also enclosed (metadata\_basins.txt).

Judy Brandt, GIS Analyst  
8/1/2006

Nevada Natural Heritage Database Sensitive Species List for Spring Valley

SNAME	COUNT	BLM	COMNA	EORANK	GRANK	SRANK	USES	USFS
<i>Antrozous pallidus</i>	1	N C	pallid bat	E	G5	S3B		I
<i>Astragalus diversifolius</i>	1		meadow milkvetch		G3	S1		S
<i>Astragalus lentiginosus</i> var. <i>latus</i>	6		broad-pod freckled milkvetch		G5T2	S2		
<i>Astragalus oophorus</i> var. <i>lonchocalyx</i>	1	N	long-calyx eggvetch	H	G4T2	S2	xC2	
<i>Brachylagus idahoensis</i>	2	N	pygmy rabbit	E	G4	S3	xC2	
<i>Charadrius alexandrinus nivosus</i>	1	N	Western Snowy Plover	E	G4T3	S1B	LTNL	
<i>Corynorhinus townsendii</i>	3	N C	Townsend's big-eared bat		G4	S3B		S  L
<i>Cryptantha welshii</i>	1	N	White River catseye		G3	S3	xC2	
<i>Cymopterus basalticus</i>	1		shadscale spring parsley		G2	S1		
<i>Cymopterus nivalis</i>	1		snow wavewing		G5	S3		S
<i>Draba pennellii</i>	4		Pennell draba		G2	S2		S
<i>Empetrichthys latos latos</i>	1	S	Pahrump poolfish	B	G1T1	S1	LEPT	
<i>Ericameria watsonii</i>	1		Watson goldenbush	H	G3G4	S3		
<i>Eriogonum uncialis</i> var. <i>uncialis</i>	2		limestone daisy		G3G4T2?	S2?		S
<i>Eriogonum darrovii</i>	4		Darrow buckwheat	H	G2	S2		
<i>Eriogonum holmgrenii</i>	3		Holmgren buckwheat		G1	S1	xC2	S
<i>Euphilotes bernardino minuta</i>	4	N	Baking Powder Flat blue		G3G4T1	S1		
<i>Euphydryas editha koreti</i>	2	N	Koret's checkerspot		G5T1Q	S1		
<i>Gila elegans</i>	1	S	bonytail chub	X	G1	S1	LE	E
<i>Jamesia tetrapetala</i>	4	N	waxflower		G2	S2	xC2	S
<i>Lasionycteris noctivagans</i>	2	N	silver-haired bat	E	G5	S3		
<i>Lasiurus cinereus</i>	1	N	hoary bat	E	G5	S3?		
<i>Machaeranthera grindelioides</i> var. <i>depressa</i>	1		rayless tansy aster	E	G5T3T4	S3		
<i>Moapa coriacea</i>	1	S	Moapa dace	X	G1	S1	LE	
<i>Myotis ciliolabrum</i>	2	N C	western small-footed myotis		G5	S3B	xC2	
<i>Myotis thysanodes</i>	1	N C	fringed myotis		G4G5	S2B	xC2	
<i>Oncorhynchus clarkii</i> <i>utah</i>	2	N	Bonneville cutthroat trout	E	G4T2	S1	xC2	S
<i>Oreohelix nevadensis</i>	2	N	Schell Creek mountainsnail	E	G1	S1	xC2	
<i>Penstemon concinnus</i>	1	N	Tunnel Springs beardtongue	H	G3	S2	xC2	S
<i>Penstemon moriahenensis</i>	2		Mount Moriah beardtongue	E	G1G2	S1S2		S
<i>Penstemon rhizomatousus</i>	5		rhizome beardtongue		G1	S1		
<i>Phacelia parishii</i>	4	N C	Parish phacelia		G2G3	S2S3	xC2	
<i>Polites sabuleti nigrescens</i>	2		dark sandhill skipper		G5T3	S3		
<i>Pyrgulopsis peculiaris</i>	1	N	bifid duct pyrg		G2	S1		
<i>Relictus solitarius</i>	4	N	relict dace		G2G3	S2S3	xC2	
<i>Silene nachlingerae</i>	5	N	Nachlinger catchfly		G2	S2	xC2	S
<i>Tadarida brasiliensis</i>	3	N	Brazilian free-tailed bat	E	G5	S4B		

Identification\_Information:

Citation:

Citation\_Information:

Originator: SNWA Data Resources - Michael Wallen

Publication\_Date: July 18, 2005

Title: snwabas05-p

Geospatial\_Data\_Presentation\_Form: vector digital data

Online\_Linkage: \\Malibu\snwaparsons\gis\geophysical\hydro\snwabas05-p.shp

Description:

Abstract: Combined coverage of analytically derived and digitized hydrographic areas and subareas in eastern Nevada and western Utah

Purpose: Hydrographic analysis and map display

Time\_Period\_of\_Content:

Time\_Period\_Information:

Single\_Date/Time:

Calendar\_Date: REQUIRED: The year (and optionally month, or month and day) for which the data set corresponds to the ground.

Currentness\_Reference: publication date

Status:

Progress: In work

Maintenance\_and\_Update\_Frequency: As needed

Spatial\_Domain:

Bounding\_Coordinates:

West\_Bounding\_Coordinate: -118.457670

East\_Bounding\_Coordinate: -110.839031

North\_Bounding\_Coordinate: 42.651107

South\_Bounding\_Coordinate: 34.178753

Keywords:

Theme:

Theme\_Keyword\_Thesaurus: REQUIRED: Reference to a formally registered thesaurus or a similar authoritative source of theme keywords.

Theme\_Keyword: boundaries

Theme\_Keyword: elevation

Theme\_Keyword: geoscientificInformation

Theme\_Keyword: hydrology

Theme\_Keyword: hydrographic basin

Theme\_Keyword: watershed

Place:

Place\_Keyword: Nevada

Place\_Keyword: Utah

Access\_Constraints: DRAFT Internal Working Copy - The information depicted by this data represents data collected from various sources by the Southern Nevada Water Authority Resources Department and is intended for planning purposes only.

Use\_Constraints: SNWA DRAFT Internal Working Copy - Please note you are not authorized to distribute any digital, hardcopy, or other type of copy to individuals or corporate entities outside of your own group. Subcontractors may have access to these data during the course of any given project, but should not be given a copy for their use on subsequent, unrelated work.

Point\_of\_Contact:

Contact\_Information:

Contact\_Person\_Primary:

Contact\_Person: Michael Wallen

Contact\_Organization: Southern Nevada Water Authority

Contact\_Position: Senior GIS Analyst

Contact\_Address:

Address\_Type: mailing and physical address

Address: 1900 E. Flamingo Road

City: Las Vegas  
State\_or\_Province: NV  
Postal\_Code: 89119  
Country: USA  
Contact\_Voice\_Telephone: (702) 862-3788  
Contact\_Facsimile\_Telephone: (702) 862-3774  
Contact\_Electronic\_Mail\_Address: michael.wallen@snwa.com  
Hours\_of\_Service: 8 a.m. - 5 p.m., Monday - Friday  
Native\_Data\_Set\_Environment: Microsoft Windows XP Version 5.1 (Build 2600)  
Service\_Pack\_2; ESRI ArcCatalog 9.1.0.722  
Data\_Quality\_Information:  
Lineage:  
Source\_Information:  
Source\_Citation:  
Citation\_Information:  
Originator: SNWA Data Resources - Michael Wallen  
Publication\_Date: July 18, 2005  
Title: Hydrographic Areas and subAreas in Eastern Nevada and Western  
Utah  
Online\_Linkage: Offline Data  
Process\_Step:  
Process\_Description: Appended HYDROBAS and FLOWSYS polygon/arc coverages  
and exported into their respective shapefiles  
Process\_Date: July 18,2005  
Process\_Step:  
Process\_Description: Dataset copied.  
Source\_Used\_Citation\_Abbreviation: K:\users\wucinichm\Metadata  
Presentation\template\_generic  
Process\_Step:  
Process\_Description: Metadata imported.  
Source\_Used\_Citation\_Abbreviation:  
K:\users\wallenm\Metadata\template\_generic.xml  
Process\_Step:  
Process\_Description: Dataset copied.  
Source\_Used\_Citation\_Abbreviation:  
Spatial\_Data\_Organization\_Information:  
Direct\_Spatial\_Reference\_Method: Vector  
Point\_and\_Vector\_Object\_Information:  
SDTS\_Terms\_Description:  
SDTS\_Point\_and\_Vector\_Object\_Type: G-polygon  
Point\_and\_Vector\_Object\_Count: 169  
SDTS\_Terms\_Description:  
SDTS\_Point\_and\_Vector\_Object\_Type: Label point  
Point\_and\_Vector\_Object\_Count: 168  
SDTS\_Terms\_Description:  
SDTS\_Point\_and\_Vector\_Object\_Type: GT-polygon composed of chains  
Point\_and\_Vector\_Object\_Count: 168  
SDTS\_Terms\_Description:  
SDTS\_Point\_and\_Vector\_Object\_Type: Point  
Point\_and\_Vector\_Object\_Count: 4  
Spatial\_Reference\_Information:  
Horizontal\_Coordinate\_System\_Definition:  
Planar:  
Grid\_Coordinate\_System:  
Grid\_Coordinate\_System\_Name: Universal Transverse Mercator  
Universal\_Transverse\_Mercator:  
UTM\_Zone\_Number: 11

Transverse\_Mercator:  
   Scale\_Factor\_at\_Central\_Meridian: 0.999600  
   Longitude\_of\_Central\_Meridian: -117.000000  
   Latitude\_of\_Projection\_Origin: 0.000000  
   False\_Easting: 500000.000000  
   False\_Northing: 0.000000

Planar\_Coordinate\_Information:  
   Planar\_Coordinate\_Encoding\_Method: coordinate pair  
   Coordinate\_Representation:  
     Abscissa\_Resolution: 0.002048  
     Ordinate\_Resolution: 0.002048  
   Planar\_Distance\_Units: meters

Geodetic\_Model:  
   Horizontal\_Datum\_Name: North American Datum of 1983  
   Ellipsoid\_Name: Geodetic Reference System 80  
   Semi-major\_Axis: 6378137.000000  
   Denominator\_of\_Flattening\_Ratio: 298.257222

Entity\_and\_Attribute\_Information:  
   Detailed\_Description:  
     Entity\_Type:  
       Entity\_Type\_Label: snwabas05-p  
     Attribute:  
       Attribute\_Label: FLOWSYS  
       Attribute\_Definition: Hydrographic areas and subareas  
       Attribute\_Domain\_Values:  
         Enumerated\_Domain:  
           Enumerated\_Domain\_Value: 1  
           Enumerated\_Domain\_Value\_Definition: Hydrographic Area  
           Enumerated\_Domain\_Value\_Definition\_Source: Modified from Harrill & Others 1988 reported in USGS PP1409-A and from LVVWD Exhibit 54  
           Enumerated\_Domain:  
           Enumerated\_Domain\_Value: 2  
           Enumerated\_Domain\_Value\_Definition: Hydrographic Subarea  
           Enumerated\_Domain\_Value\_Definition\_Source: Modified from Harrill & Others 1988 reported in USGS PP1409-A and from LVVWD Exhibit 54  
       Attribute:  
         Attribute\_Label: STATUS  
         Attribute\_Definition: Analytical Status  
         Attribute\_Definition\_Source: Modified from Harrill & Others 1988 reported in USGS PP1409-A and from LVVWD Exhibit 54  
         Attribute\_Domain\_Values:  
           Enumerated\_Domain:  
           Enumerated\_Domain\_Value: 1  
           Enumerated\_Domain\_Value\_Definition: Basins boundaries defined analytically by SNWA using ESRI's ArcInfo  
           Enumerated\_Domain\_Value\_Definition\_Source: Seamless National Elevation Dataset (NED) Digital Elevation Models (DEM)  
           Enumerated\_Domain:  
           Enumerated\_Domain\_Value: 2  
           Enumerated\_Domain\_Value\_Definition: Digitized Boundaries  
           Enumerated\_Domain\_Value\_Definition\_Source: Modified from Harrill & Others 1988 reported in USGS PP1409-A and from LVVWD Exhibit 54 using USGS 1:100,000 scale topo maps.  
       Attribute:  
         Attribute\_Label: AREA  
       Attribute:  
         Attribute\_Label: PERIMETER

Attribute:  
Attribute\_Label: Shape  
Attribute\_Definition: Feature geometry.  
Attribute\_Definition\_Source: ESRI  
Attribute\_Domain\_Values:  
Unrepresentable\_Domain: Coordinates defining the features.

Attribute:  
Attribute\_Label: SNWABAS05\_

Attribute:  
Attribute\_Label: FID  
Attribute\_Definition: Internal feature number.  
Attribute\_Definition\_Source: ESRI  
Attribute\_Domain\_Values:  
Unrepresentable\_Domain: Sequential unique whole numbers that are automatically generated.

Attribute:  
Attribute\_Label: SNWABAS051

Attribute:  
Attribute\_Label: WBNAME

Attribute:  
Attribute\_Label: WBNUMB

Attribute:  
Attribute\_Label: SQMILES

Attribute:  
Attribute\_Label: ACRES

Detailed\_Description:  
Entity\_Type:  
Entity\_Type\_Label: snwabas05.pat

Attribute:  
Attribute\_Label: FID  
Attribute\_Definition: Internal feature number.  
Attribute\_Definition\_Source: ESRI  
Attribute\_Domain\_Values:  
Unrepresentable\_Domain: Sequential unique whole numbers that are automatically generated.

Attribute:  
Attribute\_Label: Shape  
Attribute\_Definition: Feature geometry.  
Attribute\_Definition\_Source: ESRI  
Attribute\_Domain\_Values:  
Unrepresentable\_Domain: Coordinates defining the features.

Attribute:  
Attribute\_Label: AREA  
Attribute\_Definition: Area of feature in internal units squared.  
Attribute\_Definition\_Source: ESRI  
Attribute\_Domain\_Values:  
Unrepresentable\_Domain: Positive real numbers that are automatically generated.

Attribute:  
Attribute\_Label: PERIMETER  
Attribute\_Definition: Perimeter of feature in internal units.  
Attribute\_Definition\_Source: ESRI  
Attribute\_Domain\_Values:  
Unrepresentable\_Domain: Positive real numbers that are automatically generated.

Attribute:  
Attribute\_Label: SNWABAS05#

Attribute\_Definition: Internal feature number.  
Attribute\_Definition\_Source: ESRI  
Attribute\_Domain\_Values:  
Unrepresentable\_Domain: Sequential unique whole numbers that are automatically generated.

Attribute:  
Attribute\_Label: SNWABAS05-ID  
Attribute\_Definition: User-defined feature number.  
Attribute\_Definition\_Source: ESRI

Attribute:  
Attribute\_Label: WBNAME  
Attribute\_Definition: Hydrographic Basin Name  
Attribute\_Definition\_Source: Harrill & Others 1988 reported in USGS

PP1409-A

Attribute:  
Attribute\_Label: WBNUMB  
Attribute\_Definition: Hydrographic Basin Number  
Attribute\_Definition\_Source: Harrill & Others 1988 reported in USGS

PP1409-A

Attribute:  
Attribute\_Label: SQMILES  
Attribute\_Definition: Calculated Square Miles  
Attribute\_Definition\_Source: Area \* 0.0000003861006

Attribute:  
Attribute\_Label: ACRES  
Attribute\_Definition: Calculated Acres  
Attribute\_Definition\_Source: Area \* 0.0002471044

Attribute:  
Attribute\_Label: FLOWSYS  
Attribute\_Definition: Hydrographic Area Name  
Attribute\_Definition\_Source: Modified from Harrill & Others 1988 reported in USGS PP1409-A and from LVVWD Exhibit 54

Attribute:  
Attribute\_Label: STATUS  
Attribute\_Definition: Analytical status of Hydrographic basins  
Attribute\_Definition\_Source: Modified from Harrill & Others 1988 reported in USGS PP1409-A and from LVVWD Exhibit 54

Attribute\_Domain\_Values:  
Enumerated\_Domain:  
Enumerated\_Domain\_Value: FLOWSYS  
Enumerated\_Domain\_Value\_Definition: Digitized Boundaries  
Enumerated\_Domain\_Value\_Definition\_Source: Modified from Harrill & Others 1988 reported in USGS PP1409-A and from LVVWD Exhibit 54 using USGS 1:100,000 scale topo maps.

Enumerated\_Domain:  
Enumerated\_Domain\_Value: HYDRO  
Enumerated\_Domain\_Value\_Definition: Basins boundaries defined analytically by SNWA using ESRI's ArcInfo  
Enumerated\_Domain\_Value\_Definition\_Source: Seamless National Elevation Dataset (NED) Digital Elevation Models (DEM)

Distribution\_Information:  
Resource\_Description: Downloadable Data  
Standard\_Order\_Process:  
Digital\_Form:  
Digital\_Transfer\_Information:  
Transfer\_Size: 3.417

Metadata\_Reference\_Information:

Metadata\_Date: 20060802

Metadata\_Contact:

Contact\_Information:

Contact\_Person\_Primary:

Contact\_Person: Michael Wallen

Contact\_Organization: Southern Nevada Water Authority

Contact\_Position: Senior GIS Analyst

Contact\_Address:

Address\_Type: mailing and physical address

Address: 1900 E. Flamingo Road

City: Las Vegas

State\_or\_Province: NV

Postal\_Code: 89119

Country: USA

Contact\_Voice\_Telephone: (702) 862-3788

Contact\_Facsimile\_Telephone: (702) 862-3774

Contact\_Electronic\_Mail\_Address: michael.wallen@snwa.com

Hours\_of\_Service: 8 a.m. - 5 p.m., Monday - Friday

Contact\_Instructions: Metadata Completed By : Michael Wallen 07/18/2005

Metadata\_Standard\_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata\_Standard\_Version: FGDC-STD-001-1998

Metadata\_Time\_Convention: local time

Metadata\_Extensions:

Online\_Linkage: Offline Data

Metadata\_Extensions:

Online\_Linkage: <http://www.esri.com/metadata/esriprof80.html>

Profile\_Name: ESRI Metadata Profile

Identification\_Information:

Citation:

Citation\_Information:

Originator: REQUIRED: The name of an organization or individual that developed the data set.

Publication\_Date: REQUIRED: The date when the data set is published or otherwise made available for release.

Title: SNWA\_05\_18\_ZM\_Study\_Area

Geospatial\_Data\_Presentation\_Form: vector digital data

Online\_Linkage:

Description:

Abstract: This is a subset of sensitive species in Nevada that cover the study area for SNWA projects. See the "Supplemental Information" heading for metadata provided by the Nevada Department of Conservation and Natural Resources.

Purpose: REQUIRED: A summary of the intentions with which the data set was developed.

Supplemental\_Information:

Nevada Natural Heritage Program

Department of Conservation and Natural Resources

1550 East College Parkway, Suite 137 x Carson City, Nevada 89706-7921

voice: (775) 687-4245 fax: (775) 687-1288 web: [www.heritage.nv.gov/](http://www.heritage.nv.gov/)

DATA LIMITATIONS AND RESTRICTIONS

(revised 15 January 1998)

**AUTHORIZED USES:** Each person or organization who accepts or uses data provided by the Nevada Natural Heritage Program (NNHP) agrees that all such data are the privileged, confidential property of the NNHP, and that they are not to be transmitted to or duplicated for any other person or organization without our consent. Our consent is implied for necessary activities directly related to the stated purpose for which the data were requested. Any products derived from the data should cite the Nevada Natural Heritage Program as a source, along with the month and year we provided the data.

Most of the precise taxonomic and locational data supplied by the Nevada Natural Heritage Program, including taxon identity, latitude, longitude, precision level, township-range-section-subsection, elevations, and map quadrangle information, are the result of ongoing analyses and quality controls performed by our staff using tools, concepts, and methods that are the property of The Nature Conservancy, Inc. The raw data we analyze are entrusted to us by various private and public organizations and individuals, obtained from published and unpublished literature, or in some cases derived from staff field surveys, and new data are constantly being received and incorporated. Our data are easily misused, such as by vandals, poachers, or by those using old outdated information.

**SENSITIVE LOCATIONS:** We generally withhold precise locational data for a few taxa considered highly vulnerable to collecting, poaching, harassment, or vandalism. General data for such occurrences are provided in printed form. The more precise data can be supplied on request if sufficient need can be demonstrated and confidentiality can be guaranteed.

**TAXONOMIC COVERAGE:** With few exceptions, we attempt to maintain current data on all species and subspecies in the state listed as threatened, endangered, candidate, sensitive, or otherwise vulnerable by any federal, state, or private organization, including by our Program. Specific information is maintained for raptor taxa by Ralph Phenix of the Nevada Division of Wildlife (775-688-1500), and for the desert tortoise by the Las Vegas office of the

Bureau of Land Management. The Nevada Division of Forestry, under N.R.S. 527.060-.120, protects and regulates the harvest of all cacti, yuccas, and evergreen trees, most taxa of which are not tracked by our office.

GEOGRAPHIC COVERAGE: Our database incorporates recent and historical occurrence reports from throughout the State of Nevada. In many cases we have general information for areas outside the state, but we do not normally collect specific data for such areas. Except in rare cases where recent field surveys have been performed by our Program, our data only summarize past reports received by us, they are not definitive representations of all species present or absent in a given place, and they cannot be substituted for comprehensive surveys of any site or area.

LAND STATUS: Land ownership status is determined from the best available maps and other information, but usually is not further verified. We do not assess the ownership status of associated mineral and water rights, or the presence or absence of easements or other encumbrances.

-----  
Time\_Period\_of\_Content:

Time\_Period\_Information:

Single\_Date/Time:

Calendar\_Date: REQUIRED: The year (and optionally month, or month and day) for which the data set corresponds to the ground.

Currentness\_Reference: REQUIRED: The basis on which the time period of content information is determined.

Status:

Progress: REQUIRED: The state of the data set.

Maintenance\_and\_Update\_Frequency: REQUIRED: The frequency with which changes and additions are made to the data set after the initial data set is completed.

Spatial\_Domain:

Bounding\_Coordinates:

West\_Bounding\_Coordinate: -116.926589

East\_Bounding\_Coordinate: -113.966756

North\_Bounding\_Coordinate: 40.372770

South\_Bounding\_Coordinate: 35.864419

Keywords:

Theme:

Theme\_Keyword\_Thesaurus: REQUIRED: Reference to a formally registered thesaurus or a similar authoritative source of theme keywords.

Theme\_Keyword: REQUIRED: Common-use word or phrase used to describe the subject of the data set.

Access\_Constraints: REQUIRED: Restrictions and legal prerequisites for accessing the data set.

Use\_Constraints: REQUIRED: Restrictions and legal prerequisites for using the data set after access is granted.

Native\_Data\_Set\_Environment: Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.722

Spatial\_Data\_Organization\_Information:

Direct\_Spatial\_Reference\_Method: Vector

Point\_and\_Vector\_Object\_Information:

SDTS\_Terms\_Description:

SDTS\_Point\_and\_Vector\_Object\_Type: Entity point

Point\_and\_Vector\_Object\_Count: 2455

Spatial\_Reference\_Information:

Horizontal\_Coordinate\_System\_Definition:

Planar:

Grid\_Coordinate\_System:

Grid\_Coordinate\_System\_Name: Universal Transverse Mercator

Universal\_Transverse\_Mercator:

UTM\_Zone\_Number: 11  
Transverse\_Mercator:  
  Scale\_Factor\_at\_Central\_Meridian: 0.999600  
  Longitude\_of\_Central\_Meridian: -117.000000  
  Latitude\_of\_Projection\_Origin: 0.000000  
  False\_Easting: 500000.000000  
  False\_Northing: 0.000000  
Planar\_Coordinate\_Information:  
  Planar\_Coordinate\_Encoding\_Method: coordinate pair  
  Coordinate\_Representation:  
    Abscissa\_Resolution: 0.001024  
    Ordinate\_Resolution: 0.001024  
  Planar\_Distance\_Units: meters  
Geodetic\_Model:  
  Horizontal\_Datum\_Name: North American Datum of 1983  
  Ellipsoid\_Name: Geodetic Reference System 80  
  Semi-major\_Axis: 6378137.000000  
  Denominator\_of\_Flattening\_Ratio: 298.257222  
Entity\_and\_Attribute\_Information:  
  Detailed\_Description:  
    Entity\_Type:  
      Entity\_Type\_Label: SNWA\_05\_18\_ZM\_Study\_Area  
    Attribute:  
      Attribute\_Label: FID  
      Attribute\_Definition: Internal feature number.  
      Attribute\_Definition\_Source: ESRI  
      Attribute\_Domain\_Values:  
        Unrepresentable\_Domain: Sequential unique whole numbers that are  
automatically generated.  
      Attribute:  
        Attribute\_Label: Shape  
        Attribute\_Definition: Feature geometry.  
        Attribute\_Definition\_Source: ESRI  
        Attribute\_Domain\_Values:  
          Unrepresentable\_Domain: Coordinates defining the features.  
      Attribute:  
        Attribute\_Label: SNAME  
      Attribute:  
        Attribute\_Label: COMMNAME  
      Attribute:  
        Attribute\_Label: IDENT  
      Attribute:  
        Attribute\_Label: OCCURRENCE  
      Attribute:  
        Attribute\_Label: PRECISION  
      Attribute:  
        Attribute\_Label: EORANK  
      Attribute:  
        Attribute\_Label: DATASENS  
      Attribute:  
        Attribute\_Label: GRANK  
      Attribute:  
        Attribute\_Label: GTREND  
      Attribute:  
        Attribute\_Label: SRANK  
      Attribute:  
        Attribute\_Label: STREND

Attribute:  
Attribute\_Label: TRACKED  
Attribute:  
Attribute\_Label: ENDEMIC  
Attribute:  
Attribute\_Label: WETLAND  
Attribute:  
Attribute\_Label: USESA  
Attribute:  
Attribute\_Label: BLM  
Attribute:  
Attribute\_Label: USFS  
Attribute:  
Attribute\_Label: SPROT  
Attribute:  
Attribute\_Label: NNNPS  
Attribute:  
Attribute\_Label: FIRSTOBS  
Attribute:  
Attribute\_Label: LASTOBS  
Attribute:  
Attribute\_Label: CHANGEDATE  
Attribute:  
Attribute\_Label: POPCOUNT  
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Attribute\_Label: PHYSPROV  
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Attribute\_Label: COUNTY  
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Attribute\_Label: QUADCODE  
Attribute:  
Attribute\_Label: TOWNRANGE  
Attribute:  
Attribute\_Label: SECTIONS  
Attribute:  
Attribute\_Label: WATERSHEDS  
Attribute:  
Attribute\_Label: MOUNTAINS  
Attribute:  
Attribute\_Label: MINELEV  
Attribute:  
Attribute\_Label: MAXELEV  
Attribute:  
Attribute\_Label: EOCODE  
Attribute:  
Attribute\_Label: LATITUDE  
Attribute:  
Attribute\_Label: LONGITUDE  
Attribute:  
Attribute\_Label: AREA  
Attribute:  
Attribute\_Label: BOUNDARIES  
Attribute:  
Attribute\_Label: ELCODE  
Attribute:

---

Attribute\_Label: CLASS  
Attribute:  
Attribute\_Label: ORDER\_  
Attribute:  
Attribute\_Label: FAMILY  
Attribute:  
Attribute\_Label: GENUS  
Attribute:  
Attribute\_Label: UTM11NORTH  
Attribute:  
Attribute\_Label: UTM11EAST  
Distribution\_Information:  
Resource\_Description: Downloadable Data  
Standard\_Order\_Process:  
Digital\_Form:  
Digital\_Transfer\_Information:  
Transfer\_Size: 0.066  
Metadata\_Reference\_Information:  
Metadata\_Date: 20060802  
Metadata\_Contact:  
Contact\_Information:  
Contact\_Organization\_Primary:  
Contact\_Organization: REQUIRED: The organization responsible for the metadata information.  
Contact\_Person: REQUIRED: The person responsible for the metadata information.  
Contact\_Address:  
Address\_Type: REQUIRED: The mailing and/or physical address for the organization or individual.  
City: REQUIRED: The city of the address.  
State\_or\_Province: REQUIRED: The state or province of the address.  
Postal\_Code: REQUIRED: The ZIP or other postal code of the address.  
Contact\_Voice\_Telephone: REQUIRED: The telephone number by which individuals can speak to the organization or individual.  
Metadata\_Standard\_Name: FGDC Content Standards for Digital Geospatial Metadata  
Metadata\_Standard\_Version: FGDC-STD-001-1998  
Metadata\_Time\_Convention: local time  
Metadata\_Extensions:  
Online\_Linkage: <http://www.esri.com/metadata/esriprof80.html>  
Profile\_Name: ESRI Metadata Profile