

# Lake Features

## Part 1: Data Summary

### Description

This coverage depicts lake features and includes all open water features mapped by the Municipality. Data for the MOALakes coverage are stored in a geodatabase format and are compiled for distribution in ArcInfo and ArcView formats.

#### Corporate Dataset Name:

MOALakes

#### Feature Class Name:

e04MLakes

#### Polygons:

- Lake



### Data Creation Method

Municipal lakes mapping is performed through location of features with respect to select base digital imagery using mapping definitions, criteria and standards as developed by Watershed Management Services and as expressed in Anchorage Municipal Code and in federal wetlands regulations. Landscape elements identified as open water features either under the Anchorage Wetlands Management Plan or through WMS mapping are transferred to an initial digital format through heads-up screen digitization using ortho-imagery as a base. The initial arcs linework is then imported to the WMS Geodatabase where topology is built and new and related existing features are edited to conform to the logical structure of MOA hydrographic mapping.

Data Availability	Extent of Data
Available as 'MOALakes' in shape file and ArcGIS file format. Features stored in WMS Geodatabase.	Municipality of Anchorage corporate area Suggested viewing scale 1:6,000 or smaller
Publication Information	Contact Information
<b>Revision:</b> V4.0  <b>Published:</b> January 2005  <b>Produced by:</b> Municipality of Anchorage OPD & PW Watershed Management Services	<b>Distribution:</b> Charlie Barnwell ( <a href="mailto:BarnwellCE@muni.org">BarnwellCE@muni.org</a> ) Mike Kiker ( <a href="mailto:KikerMR@muni.org">KikerMR@muni.org</a> ) Phil Manke ( <a href="mailto:MankePJ@muni.org">MankePJ@muni.org</a> )  <b>Content:</b> Scott Wheaton ( <a href="mailto:WheatonSR@muni.org">WheatonSR@muni.org</a> )

# Lake Features

## Part 2: Definitions and Mapping Method

### Lake Features

Lake features mapped by the Municipality of Anchorage include open bodies of water greater than 2500 ft<sup>2</sup> in area. Most of these features are classified as wetlands under the Anchorage Wetlands Management Plan. As a result lake features are also included in the Municipality's wetlands mapping dataset as a separate wetland 'type' and have the same attributes as other wetland features. Readers are referred to MOA wetlands features metadata for description and definitions of lake attribute data. In the Municipal GIS most Anchorage lake features are represented by simple polygons but complex polygon features can result for those lakes that include islands.

### Lake Feature Definitions

Lakes are important surface water resources that support aquatic and terrestrial wildlife, provide flood detention for storm water runoff, and provide a wide range of recreational, aesthetic and economic benefits to the entire community. A lake's character is the cumulative result of the complex interactions of climate and terrain, surrounding land practices, and the nature of the ground and surface waters entering it. Thus the quality of lake waters and their immediate shorelines are also important indicators of the nature of contributing watersheds and the extent to which whole watershed systems are being successfully managed.

### Lake

Generally, lake features are those inland areas that are covered by relatively large pools of water for some period of time. In the Municipality's hydrography, lakes and ponds are generally defined as inland bodies of open, standing water. Typically they are perennial features but may also form and dissipate seasonally. In any event, a 'lake' is ultimately characterized by open water. Thus, standing water that exists solely amongst vegetation (e.g., as in a swamp, marsh or mire) does not comprise a "lake".

More specifically, a Municipally-defined lake is a perennial or ephemeral inland body of open, standing water that is not actively maintained for, or constrained to, a single specific human use (e.g., wastewater treatment ponds or flood detention ponds). Thus, an inland waterbody may serve some single, important human function (e.g., water supply) but to the extent that it is maintained to serve other functions as well (e.g., provision of recreation opportunities or fish and wildlife habitat) it is identified as a lake feature. Conversely, to the extent that a standing body of water is controlled for a single, limited human use (exclusive of contact recreation and fish and wildlife habitat), it will not be identified as a lake under this classification system.

Lake features may also specifically include expanded parts of rivers, reservoirs behind permanent dams, and basins seasonally inundated by intermittent stream flows. Lakes, as defined here, then, include natural lakes, run-of the river lakes or impoundments, abandoned "gravel pit" lakes or other constructed lakes, reservoirs, and bog ponds.

Finally note that, under the Municipality's definition, lakes are generally not classified by size. Small inland waters more commonly referred to as ponds may be identified as "lake" features under this classification. However, by Municipal code any area of open water with a permanent minimum surface area at ordinary high water greater than 2,500 square feet is identified as a 'waterbody' and any inland freshwater feature meeting these criteria will typically be identified as a 'lake' under this classification.

## Lake Shoreline

A lake shoreline is the boundary between lake water and the land surface. For most lakes the water level is relatively constant and the shoreline can be reasonably represented by a line tracing the elevation of the average lake level. However for ephemeral lakes or reservoirs the lake level can change dramatically either seasonally or from year to year. Therefore for Municipal maps, a lake shoreline is represented by the line tracing the lake border at the mean annual high water level (MHWL) of the lake.

## Lake Feature Mapping

Standard methods for mapping Municipal lake features are necessary to ensure mapping efficiency and consistent data quality and to allow users to select and apply comparable data. Because mapping is required at different accuracies and resolutions, methodologies have been developed to support a hierarchy of mapping “levels” (see WMS document number WMP APg0101, “Municipality Of Anchorage Stream Mapping Standards, Ver. 1.01”). Five classified mapping levels and one unclassified mapping level are supported under the Municipality’s NPDES hydrography mapping program:

### Unclassified (Legacy) Mapping

1. Photo Interpretive Mapping
2. Reconnaissance Mapping
3. Base Map Survey
4. Low-Resolution Controlled GPS Survey
5. High Resolution Controlled Land Survey

## Legacy Stream Mapping

Until new mapping can be performed, in some areas old mapping will be used to provide basic geographic information. Unfortunately, though source information is usually available for this mapping, other information about the map data quality or mapping criteria often is not. Where the Municipality has incorporated hydrographic data into its datasets with incomplete or unknown data quality, no mapping level will be assigned and mapping level will be left as a null value. Thus Municipal map data with an unclassified map level is of unknown accuracy or quality and, in fact, data may have either high or low accuracy.

## Level 1: Photo Interpretive Mapping

In this method all lake or other mapped features are interpreted through use of existing (“legacy”) mapping and aerial photography. This mapping method represents a level of effort that focuses on initial, fast, economical characterization and location of hydrographic features. No field verification or other quality assurance testing is performed. Nevertheless, mappers include features at this mapping level only where sufficient photo indicators or existing field information or mapping substantiate the presence of a lake feature. This means that unknown smaller or ephemeral lake features may not be identified in mapping performed at this level.

## Level 2: Reconnaissance Mapping

Reconnaissance mapping includes all elements of photo interpretive mapping but improves mapping resolution and accuracy through additional, iterative, photo interpretive and field reconnaissance efforts. At this mapping level, limited field reconnaissance is performed after initial photo interpretive corrections are made. However, field inspections at this mapping level are performed only with the purpose of ensuring that locations and assigned attributes are grossly correct. No controlled survey or other testing is done to ensure locations are within stated accuracy limits. However, GPS point data can be, and often are, used to resolve and confirm mapped feature locations. GPS point data for Municipal stream mapping is archived in a separate data set.

### Level 3: Base Map Surveys

Municipal base map surveys are performed to conform with the horizontal accuracy standards specified by the Federal Emergency Management Agency (FEMA) in its "Base Map Specifications for the New Digital Flood Insurance Rate Map Product" (May 26, 1999). Reported horizontal locations of mapped features will have a positional accuracy with respect to true ground position that is equal to or better than 38 feet (about 11.5 meters, or equivalent to that of USGS DOQs), as confirmed at the 95% confidence level by controlled surveys.

### Level 4: Low-Resolution Controlled GPS Survey

Low-resolution controlled GPS surveys systematically employ GPS technology in the field to accurately locate lake shoreline features. At this mapping level, GPS location data are used to *continuously* map entire lake shoreline features.

GPS mapping at this level is used to accurately locate a series of points sufficient, when connected to form a series of arcs, to accurately represent the location of part or all of a shoreline within 1.0 meter of true ground position at a 95% confidence level. GPS methods used to map shoreline arcs shall control for a minimum horizontal accuracy of point locations of one (1.0) meter. Because different GPS instrument brands vary in control settings and parameters, operation protocols designed to achieve this accuracy are not readily standardized. The Municipality has developed suggested standard operational procedures based on specific GPS mapping receivers. These standards are detailed in WMP APg0101.

### Level 5: High-Resolution Controlled Land Survey

Controlled land survey lake shoreline mapping incorporates photo interpretive mapping with standardized land surveying techniques to acquire accurate horizontal locations of lake features in the field. Mapping at this level is performed so as to meet nationally established land survey standards. Municipal Rights-of-Way officers select, review and establish acceptable Municipal survey standards. For lake location mapping, however, the method of representation of linear shoreline feature using surveyed points must meet additional representational requirements similar to those described for "low-resolution GPS" mapping.

### Mapping Scale and Accuracy

In general, for those areas for which ortho-imagery is available, lake features mapped at Municipal mapping levels 1 and 2 will be delineated at 1:2400 (1 map inch to 200 feet on the ground). Where no ortho-imagery is available, lakes will be represented at a scale of 1:25000 (about 1 inch to 2083 feet). Standing water bodies smaller than 2500 ft<sup>2</sup> are typically not mapped. Municipal digital mapping is prepared for optimum viewing at a scale of 1:6000 or smaller.

Table 3 summarizes accuracy standards for each of the Municipality's five mapping levels.

<b>Table 3 MUNICIPAL LAKE MAPPING ACCURACY</b>					
<b>Level</b>	<b>Methodology</b>	<b>Conf.</b>	<b>Accuracy</b>	<b>Feature</b>	<b>Scale</b>
	<b>Unclassified (Legacy) Mapping</b>		Unknown	Shoreline	
<b>1</b>	<b>Photo Interpretive Mapping</b>	Est.	±25 meters	Shoreline	1:2400
<b>2</b>	<b>Reconnaissance Mapping</b>	Est.	±15 meters	Shoreline	1:2400
<b>3</b>	<b>Base Map Survey (FEMA)</b>	95% @	±11.5 meters	Shoreline	1:1200
<b>4</b>	<b>Low-Resolution GPS Survey</b>	95% @	±1.0 meter	Shoreline	1:1200
<b>5</b>	<b>High-Resolution Land Survey</b>	95% @	±1.0 meter	Shoreline	1:1200

# Lake Features

## Part 3: Data Dictionary

The following data dictionary contains basic attribute information about the MOALakes polygons featureclass. For further information about these attributes, please see Part 2: Definitions and Mapping Methods. Attributes common to both the MOAWetlnds and MOALakes datasets are described here as wetland attributes. Attributes are not listed in the order that they appear in the featureclass attribute tables.

### e04MLakes attributes:

**ADJ\_LENGTH**

Total length of all streams marginal to the wetland feature. (Source: Data Dictionary)

**ADJ\_STREAM**

Identity of primary stream transecting or marginal to the wetland feature. (Source: Data Dictionary)

**AWMPID\_96**

"Site" identification code assigned each wetland polygon as published in the 1996 Anchorage Wetlands Management Plan (AWMP). (Source: Data Dictionary)

**DESGNTION**

Identifies the resource evaluation ranking or 'designation' of the wetland feature as established in the 1996 AWMP. (Source: Data Dictionary)

Value	Definition
A	Wetlands having a high valuation for all functional categories
B	Wetlands assigned a moderate valuation but providing significant support to key watershed and drainage area functions
C	Wetlands having a low functional valuation
D	Wetland features that have not been classified under the AWMP
U	'Interior' upland features; uplands entirely enclosed by wetland features

**DRAINAGE**

Code used to identify the predominant hydrographic drainage associated with the wetland. (Source: Data Dictionary)

**GRIDID500**

Identity of 500-scale grid map containing most of a wetland feature or that most closely occupying the wetland centroid. (Source: Data Dictionary)

**GROUPID**

Equivalent of the first numeric portion of the 1996 AWMP "Site" identification code assigned to groups of associated wetlands. (Source: Data Dictionary)

**H2OPCTBYPA**

Index value representing estimated percent reduction in all pre-development sources of surface and ground water to a wetland feature. (Source: Data Dictionary)

**HABITAT**

A numeric valuation given a wetland feature reflecting the wetlands functional performance relative to wildlife habitat. (Source: Data Dictionary)

**HGM\_CLASS**

Predominant hydrogeomorphic character as described by Brinson, 1993, A Hydrogeomorphic Classification of Wetlands. (Source: Data Dictionary)

<b>Value</b>	<b>Definition</b>
1	Riverine (areas where periodic overbank flows from rivers and streams provide the dominant source of wetland water)
2	Depressional (areas where wetland hydrology is supported predominantly as a result for closed elevation contours)
3	Slope (areas where ground water discharge is the predominant source of wetland hydrology)
4	Mineral Soil Flats (areas where wetland hydrology is maintained predominantly as a result of very low slope and reduced vertical ground water movement through underlying low-permeability mineral soils)
5	Organic Soil Flats (areas where wetland hydrology is controlled predominantly by extensive accumulations of organic matter)
6	Estuarine Fringe (areas where wetland hydrology is predominantly supported by tidal waters)
7	Lacustrine Fringe (areas where lake waters maintain the ground water levels of adjacent wetlands)

**HYDRO**

A numeric valuation given a wetland feature reflecting the wetlands functional performance relative to hydrology. (Source: Data Dictionary)

**LAKE\_NAME**

The commonly used or mapped name of a Lake. (Source: Data Dictionary)

**MAP\_ACURCY**

Accuracy of location of feature boundaries. (Source: Data Dictionary)

<b>Value</b>	<b>Definition</b>
1	Photo Interpretive Mapping (better than 25m, estimated)
2	Reconnaissance Mapping (better than 15m, estimated)
3	Base Map Survey (better than 11.5m, controlled survey confirmed)
4	Low Resolution GPS Survey (continuous controlled GPS survey)
5	High Resolution Land Survey (continuous controlled land survey)

**MAP\_DATE**

Date of last mapping or survey activity. (Source: Data Dictionary)

**MAP\_EDITOR**

Mapping science professional. (Source: Data Dictionary)

Value	Definition
MOA WMS	Municipality of Anchorage, Watershed Management Service

**MAP\_SOURCE**

Source of feature location information. (Source: Data Dictionary)

Value	Definition
WMS	WMS standardized mapping
NETWORK	Modified WTR_WAY legacy digital mapping
WTR_WAY	MOA area-wide legacy digital mapping
USGS1:25K	Digitized 1:25K USGS DRG
USGS1:63K	1:63K USGS DLG
MAJDRN	MOA 1994 Hillside Drainage Study legacy digital mapping
TURNAGAIN	MOA Turnagain legacy digital mapping

**MAPCOMPILR**

Name of digital map developer. (Source: Data Dictionary)

Value	Definition
GeoNorth	Mapping Professional organization

**OBJECTID**

Internal feature number. (Source: ESRI)

**OBJECTID\_1**

Internal feature number. (Source: ESRI)

**PARTID**

An identity value for individual wetlands or sub-groups of wetland features as identified in the 1996 AWMP. (Source: Data Dictionary)

**PCTPOND**

Percent of the total wetland polygon area in ponded water. A value of 100 % describes a pond-covered wetland feature. (Source: Data Dictionary)

**PUB\_DATE**

Date of map completion/publication. (Source: Data Dictionary)

**REVISIONNO**

Revision. version information for published mapping data. (Source: Data Dictionary)

Value	Definition
1.11	[not provided]
1.12	Prior to Year 2001 Edits
1.13	Year 2001 Edits
2.0	Year 2002 Edits
3.0	Year 2003 Edits
4.0	Year 2004 Edits

**SHAPE**

Feature geometry. (Source: ESRI)

**SHAPE\_Area**

Area of feature in internal units squared. (Source: ESRI)

**SHAPE\_Length**

Length of feature in internal units. (Source: ESRI)

**SECTIONID**

Identity of US Public Land Survey township, section and range containing most of the wetland feature. (Source: Data Dictionary)

**SOCIAL**

A numeric valuation given a wetland feature reflection the wetlands functional performance relative to socioeconomic services. (Source: Data Dictionary)

**SPECIES**

A numeric valuation given a wetland feature reflection the wetlands functional performance relative to support for select species. (Source: Data Dictionary)

**SUBPARTID**

A unique identity value for a wetland feature that reflects further subdivision of an individual wetland within wetland 'groups' or 'parts'. (Source: Data Dictionary)

**SUBSHED**

Name of the associated MOA subwatershed feature. (Source: Data Dictionary)

**SWCONVYNCE**

Type of hydraulic connectivity of storm water runoff to wetland feature. (Source: Data Dictionary)

Value	Definition
1	Overland (storm waters cross wetlands as a non-integrated-overland-flow)
2	Channel (storm waters cross wetlands through an open channel or ditch)
3	Pipe (storm waters cross wetlands through a pipe or other closed conduit)
9	Isolated (no surface storm waters enter the wetland feature)

**SWPCTBYPAS**

Percent of pre-development surface water flows bypassing a wetland feature. (Source: Data Dictionary)

**SWSLOPE**

Reflects an estimated representative ground surface slope measured along the fall line from an upgradient wetland margin to an intersecting stream or lake feature or to a discharge point along a downgradient margin of the wetland. (Source: Data Dictionary)

**TYPE**

Wetland groups sharing similar geomorphologic, hydrologic, chemical, or biological factors. (Source: Data Dictionary)

Value	Definition
Open Water	Standing bodies of water with a permanent minimum surface area at ordinary high water greater than 2,500ft <sup>2</sup> or as identified in the 1996 AWMP wetlands dataset.

**VEGGROUP**

Predominant plant community structure as generally based on the first hierarchical level of Viereck et. Al., 1992, Alaska Vegetation Classification. (Source: Data Dictionary)

Value	Definition
1	Forested (10 % or more tree canopy at 10 feet or taller)
2	Scrub (trees less than 10 feet and 25 % or more shrub canopy)
3	Herbaceous (less than 25 % shrub canopy and dominated by grasses; forbs-herbs, ferns, horsetails; bryophytes-mosses, lichens; or aquatic plants-sedges, rushes, and aquatic plants)
4	Wet Herbaceous (less than 25 % shrub canopy and dominated by ponded herbaceous wetlands; standing water is prominent for a significant part of the year)
5	Barren (unvegetated - less than 2 % vegetative cover; may include natural or modified wetland surfaces)
8	Complex (reserved for larger or complex wetland features where size and distribution of local variations in plant communities significantly influence the overall functional character of the wetland)
9	Water (standing open water surface)

**VEGSNSTVTY**

Sensitivity of wetland vegetation to storm water discharge based on qualitative assessment of potential degree of impact to wildlife and environmental functional value. (Source: Data Dictionary)

<b>Value</b>	<b>Definition</b>
1	Sensitive (important wetland plant communities are highly sensitive to changes in hydroperiod and pollutant loading associated with storm water discharges)
2	Marginal (important wetland plant communities require special storm water pre-treatment to tolerate changes in hydroperiod and pollutant loading associated with storm water discharges)
3	Tolerant (wetland plant communities have a low environmental functional value or plant communities require only normal storm water pre-treatment to tolerate changes in hydroperiod and pollutant loading associated with storm water discharges)

**VEGTREND**

Apparent overall response of wetland vegetation as an indicator of the trend in hydrologic regime relative to predevelopment conditions. (Source: Data Dictionary)

<b>Value</b>	<b>Definition</b>
1	Dry Impacted (wetland vegetation reflects a marked longterm response to a lowered ground water elevation or to a reduction in surface water input or both)
2	Drying (cumulative evidence indicates vegetation is responding to a decreasing (lowering) ground water elevation or to a reduction in surface water input)
3	Flood Impacted (wetland vegetation reflects a marked longterm response to rising ground water elevation or to an increase in surface water input or both)
4	Flooding (cumulative evidence indicates vegetation is responding to an increase in (raising of) ground water elevation or to increased surface flooding or both)
9	Predevelopment (the hydrologic regime generally reflects conditions similar to those prior to any development within the contribution watershed)

**WETLNDID**

A unique wetland polygon identification used for feature cataloguing purposes. (Source: Data Dictionary)

**WSHED**

Name of the associated MOA watershed feature. (Source: Data Dictionary)

## Lake Features

### Part 4: FGDC Metadata

#### Identification\_Information:

##### Citation:

##### Citation\_Information:

Originator: MOA Watershed Management Section

Publication\_Date: 01/15/2005

Title: e04MLakes

Geospatial\_Data\_Presentation\_Form: vector digital data

Online\_Linkage: \\Zim\Data\wms\031016\_sde\_selected\SDEDevelopment031024updates.mdb

##### Description:

Abstract: MOALakes depicts lake features within the Municipality of Anchorage corporate area. Data are stored in a geodatabase format and are compiled for distribution in ArcInfo and ArcView formats. All features can be derived from single ArcInfo or ArcView Shape files. MOALakes digital mapping includes 'openwater' features specifically delineated and updated through a cooperative mapping effort between the Municipality and the United States Army Corps of Engineers (USACOE). Mapping data is transferred to digital format through heads up screen digitizing using digital ortho-imagery as a background. Linework is imported to a geodatabase where polygon topology is then built in conformance with MOA hydrography mapping logic.

##### Time\_Period\_of\_Content:

##### Time\_Period\_Information:

##### Single\_Date/Time:

Calendar\_Date: 2003

##### Currentness\_Reference:

##### Status:

Progress: Ongoing

Maintenance\_and\_Update\_Frequency: As needed.

##### Spatial\_Domain:

##### Bounding\_Coordinates:

West\_Bounding\_Coordinate: -150.286523

East\_Bounding\_Coordinate: -148.465179

North\_Bounding\_Coordinate: 61.482332

South\_Bounding\_Coordinate: 60.748169

##### Keywords:

##### Theme:

Theme\_Keyword\_Thesaurus: hydrology, lakes, wetland, streams

Theme\_Keyword: hydrology, lakes, wetland, streams

##### Place:

Place\_Keyword: Anchorage, Alaska

##### Access\_Constraints:

Refer to Municipality of Anchorage GIS Web page

(<http://www.ci.anchorage.ak.us/gis/gisinternet/htmls/gishome.htm>)

for official policy on use of MOA GIS data.

##### Use\_Constraints:

Refer to Municipality of Anchorage GIS Web page

(<http://www.ci.anchorage.ak.us/gis/gisinternet/htmls/gishome.htm>)

for official policy on use of MOA GIS data. Point\_of\_Contact:

##### Contact\_Information:

##### Contact\_Person\_Primary:

Contact\_Person: Phil Manke

Contact\_Organization: MOA-DPW-Technical Services

Contact\_Position: IT Supervisor

##### Contact\_Address:

Address\_Type: mailing address

Address: Department of Public Works, P.O. Box 196650

City: Anchorage

State\_or\_Province: AK

Postal\_Code: 99519-6650

Country: USA

Contact\_Voice\_Telephone: (907) 343-8220

Contact\_Electronic\_Mail\_Address: MankePJ@muni.org

Hours\_of\_Service: 8-5

Contact\_Instructions: Please use phone as primary contact interface

Data\_Set\_Credit: MOA WMS

Native\_Data\_Set\_Environment: Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 1; ESRI ArcCatalog 8.3.0.800

Data\_Quality\_Information:

  Process\_Step:

    Process\_Description: Dataset copied.

    Source\_Used\_Citation\_Abbreviation: \\JUGGERNAUT\Data\WMS\WETLANDS\WETLANDS\_FINAL.mdb

  Process\_Step:

    Process\_Description: Dataset copied.

    Source\_Used\_Citation\_Abbreviation: \\JUGGERNAUT\Data\WMS\WETLANDS\WETLANDS\_FINAL.mdb

  Process\_Step:

    Process\_Description: Dataset copied.

    Source\_Used\_Citation\_Abbreviation:

  Process\_Step:

    Process\_Description: Dataset copied.

    Source\_Used\_Citation\_Abbreviation: \\BOOMHAUER\Data\Projects\WMS\WMS  
GEODATABASE\WMS\_PILOT\_GDB.mdb

  Process\_Step:

    Process\_Description: Metadata imported.

    Source\_Used\_Citation\_Abbreviation: C:\Documents and Settings\vmartin\Desktop\mlakes\_metadata.xml

  Process\_Step:

    Process\_Description: Dataset copied.

    Source\_Used\_Citation\_Abbreviation:  
\\ZIM\Data\wms\031016\_sde\_selected\SDEDevelopment031023updates.mdb

  Process\_Step:

    Process\_Description: Metadata imported.

    Source\_Used\_Citation\_Abbreviation: C:\DOCUME~1\vmartin\LOCALS~1\Temp\xml2E.tmp

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: 1146

Spatial\_Reference\_Information:

  Horizontal\_Coordinate\_System\_Definition:

    Planar:

      Grid\_Coordinate\_System:

        Grid\_Coordinate\_System\_Name: State Plane Coordinate System 1983

        State\_Plane\_Coordinate\_System:

          SPCS\_Zone\_Identifier: 5004

          Transverse\_Mercator:

            Scale\_Factor\_at\_Central\_Meridian: 0.999900

            Longitude\_of\_Central\_Meridian: -150.000000

            Latitude\_of\_Projection\_Origin: 54.000000

            False\_Easting: 500000.000000

            False\_Northing: 0.000000

        Planar\_Coordinate\_Information:

          Planar\_Coordinate\_Encoding\_Method: coordinate pair

          Coordinate\_Representation:

            Abscissa\_Resolution: 0.000512

            Ordinate\_Resolution: 0.000512

          Planar\_Distance\_Units: survey feet

      Geodetic\_Model:

        Horizontal\_Datum\_Name: North American Datum of 1983

        Ellipsoid\_Name: Clarke 1866

        Semi-major\_Axis: 6378206.400000

        Denominator\_of\_Flattening\_Ratio: 294.978698

    Vertical\_Coordinate\_System\_Definition:

      Altitude\_System\_Definition:

        Altitude\_Resolution: 0.000010

        Altitude\_Encoding\_Method: Explicit elevation coordinate included with horizontal coordinates

Entity\_and\_Attribute\_Information:

Detailed\_Description:

Entity\_Type:

Entity\_Type\_Label: e04MLakes

Attribute:

Attribute\_Label: OBJECTID\_1

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: OBJECTID

Attribute\_Definition: Feature geometry.

Attribute\_Definition\_Source: ESRI

Attribute\_Domain\_Values:

Unrepresentable\_Domain: Coordinates defining the features.

Attribute:

Attribute\_Label: MAP\_ACURCY

Attribute\_Definition: Mapping method and associated stream centerline location accuracy.

Attribute\_Definition\_Source: Data Dictionary

Attribute:

Attribute\_Label: MAP\_SOURCE

Attribute\_Definition: Revision.version information for published mapping data.

Attribute\_Definition\_Source: Data Dictionary

Attribute\_Domain\_Values:

Enumerated\_Domain:

Enumerated\_Domain\_Value: WMS

Enumerated\_Domain\_Value\_Definition: WMS standardized mapping

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: NETWORK

Enumerated\_Domain\_Value\_Definition: Modified WTR\_WAY legacy digital mapping

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: WTR\_WAY

Enumerated\_Domain\_Value\_Definition: MOA area-wide legacy digital mapping

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: USGS1:25K

Enumerated\_Domain\_Value\_Definition: Digitized 1:25K USGS DRG

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: USGS1:63K

Enumerated\_Domain\_Value\_Definition: 1:63K USGS DLG

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: MAJDRN

Enumerated\_Domain\_Value\_Definition: MOA 1994 Hillside Drainage Study legacy digital mapping

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: TURNAGAIN

Enumerated\_Domain\_Value\_Definition: MOA Turnagain legacy digital mapping

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Attribute\_Definition\_Source: Data Dictionary

Attribute:

Attribute\_Label: MAP\_EDITOR

Attribute\_Definition: Source of feature location information

Attribute\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: MOA WMS

Enumerated\_Domain\_Value\_Definition: Municipality of Anchorage, Watershed Management Service

Attribute:

Attribute\_Label: MAP\_DATE  
 Attribute\_Definition: Date of last mapping or survey activity  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: PUB\_DATE  
 Attribute\_Definition: Date of map completion/publication  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: AWMPID\_96  
 Attribute\_Definition: Unique code assigned to individual wetland features  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: GROUPID  
 Attribute\_Definition: Identical to first numeric portion of AWMPID\_96  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: PARTID  
 Attribute\_Definition: An identity value for individual wetlands or sub-groups of wetland features as identified in the 1996 AWMP.  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: SUBPARTID  
 Attribute\_Definition: Name of the associated MOA watershed feature.  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: WETLNDID  
 Attribute\_Definition: A unique wetland polygon identification used for feature cataloguing purposes.  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: WSHED  
 Attribute\_Definition: Name of the associated MOA watershed feature.  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: SUBSHED  
 Attribute\_Definition: Name of the associated MOA watershed feature.  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: ADJ\_STREAM  
 Attribute\_Definition: Identity of primary stream transecting or marginal to the wetland feature  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: ADJ\_LENGTH  
 Attribute\_Definition: Total length of all streams marginal to the wetland feature.  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: DRAINAGE  
 Attribute\_Definition: Code used to identify the predominant hydrographic drainage associated with the wetland.  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: GRIDID500  
 Attribute\_Definition: Identity of 500-scale grid map containing most of a wetland feature or that most closely occupying the wetland centroid  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: SECTIONID  
 Attribute\_Definition: Identity of US Public Land Survey township, section and range containing most of the wetland feature  
 Attribute\_Definition\_Source: Data Dictionary  
 Attribute:  
 Attribute\_Label: TYPE  
 Attribute\_Definition: Wetland groups sharing similar geomorphologic, hydrologic, chemical, or biological factors.  
 Attribute\_Definition\_Source: Data Dictionary

Enumerated\_Domain:  
Enumerated\_Domain\_Value: Open Water  
Enumerated\_Domain\_Value\_Definition: Standing bodies of water with a permanent minimum surface area at ordinary high water greater than 2,500ft<sup>2</sup> or as identified in the 1996 AWMP wetlands dataset.  
Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Attribute:  
Attribute\_Label: DESGNTION  
Attribute\_Definition: Identifies the resource evaluation ranking or 'designation' of the wetland feature as established in the 1996 AWMP  
Attribute\_Definition\_Source: Data Dictionary

Enumerated\_Domain:  
Enumerated\_Domain\_Value: A  
Enumerated\_Domain\_Value\_Definition: Wetlands having a high valuation for all functional categories  
Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:  
Enumerated\_Domain\_Value: B  
Enumerated\_Domain\_Value\_Definition: Wetlands assigned a moderate valuation but providing significant support to key watershed and drainage area functions  
Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:  
Enumerated\_Domain\_Value: C  
Enumerated\_Domain\_Value\_Definition: Wetlands having a low functional valuation  
Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:  
Enumerated\_Domain\_Value: D  
Enumerated\_Domain\_Value\_Definition: Wetland features that have not been classified under the AWMP  
Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:  
Enumerated\_Domain\_Value: U  
Enumerated\_Domain\_Value\_Definition: 'Interior' upland features; uplands entirely enclosed by wetland features  
Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Attribute:  
Attribute\_Label: HYDRO  
Attribute\_Definition: A numeric valuation given a wetland feature reflecting the wetlands functional performance relative to hydrology  
Attribute\_Definition\_Source: Data Dictionary

Attribute:  
Attribute\_Label: HABITAT  
Attribute\_Definition: A numeric valuation given a wetland feature reflecting the wetlands functional performance relative to wildlife habitat  
Attribute\_Definition\_Source: Data Dictionary

Attribute:  
Attribute\_Label: SPECIES  
Attribute\_Definition: A numeric valuation given a wetland feature reflection the wetlands functional performance relative to support for select species  
Attribute\_Definition\_Source: Data Dictionary

Attribute:  
Attribute\_Label: SOCIAL  
Attribute\_Definition: A numeric valuation given a wetland feature reflection the wetlands functional performance relative to socioeconomic services  
Attribute\_Definition\_Source: Data Dictionary

Attribute:  
Attribute\_Label: SWSLOPE  
Attribute\_Definition: Reflects an estimated representative ground surface slope measured along the fall line from an upgradient wetland margin to an intersecting stream or lake feature or to a discharge point along a downgradient margin of the wetland  
Attribute\_Definition\_Source: Data Dictionary

Attribute:  
Attribute\_Label: PCTPOND  
Attribute\_Definition: Percent of the total wetland polygon area in ponded water. A value of 100 % describes a pond-covered wetland feature  
Attribute\_Definition\_Source: Data Dictionary

Attribute:

Attribute\_Label: HGM\_CLASS

Attribute\_Definition: Predominant hydrogeomorphic character as described by Brinson, 1993, A Hydrogeomorphic Classification of Wetlands

Attribute\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 1

Enumerated\_Domain\_Value\_Definition: Riverine (areas where periodic overbank flows from rivers and streams provide the dominant source of wetland water)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 2

Enumerated\_Domain\_Value\_Definition: Depressional (areas where wetland hydrology is supported predominantly as a result for closed elevation contours)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 3

Enumerated\_Domain\_Value\_Definition: Slope (areas where ground water discharge is the predominant source of wetland hydrology)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 4

Enumerated\_Domain\_Value\_Definition: Mineral Soil Flats (areas where wetland hydrology is maintained predominantly as a result of very low slope and reduced vertical ground water movement through underlying low-permeability mineral soils)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 5

Enumerated\_Domain\_Value\_Definition: Organic Soil Flats (areas where wetland hydrology is controlled predominantly by extensive accumulations of organic matter)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 6

Enumerated\_Domain\_Value\_Definition: Estuarine Fringe (areas where wetland hydrology is predominantly supported by tidal waters)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 7

Enumerated\_Domain\_Value\_Definition: Lacustrine Fringe (areas where lake waters maintain the ground water levels of adjacent wetlands)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Attribute:

Attribute\_Label: VEGGROUP

Attribute\_Definition: Predominant plant community structure as generally based on the first hierarchical level of Viereck et. Al., 1992, Alaska Vegetation Classification

Attribute\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 1

Enumerated\_Domain\_Value\_Definition: Forested (10 % or more tree canopy at 10 feet or taller)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 2

Enumerated\_Domain\_Value\_Definition: Scrub (trees less than 10 feet and 25 % or more shrub canopy)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 3

Enumerated\_Domain\_Value\_Definition: Herbaceous (less than 25 % shrub canopy and dominated by grasses; forbs-herbs, ferns, horsetails; bryophytes-mosses, lichens; or aquatic plants-sedges, rushes, and aquatic plants)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 4

Enumerated\_Domain\_Value\_Definition: Wet Herbaceous (less than 25 % shrub canopy and dominated by ponded herbaceous wetlands; standing water is prominent for a significant part of the year)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 5

Enumerated\_Domain\_Value\_Definition: Barren (unvegetated - less than 2 % vegetative cover; may include natural or modified wetland surfaces)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 8

Enumerated\_Domain\_Value\_Definition: Complex (reserved for larger or complex wetland features where size and distribution of local variations in plant communities significantly influence the overall functional character of the wetland)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 9

Enumerated\_Domain\_Value\_Definition: Water (standing open water surface)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Attribute:

Attribute\_Label: VEGSNSTVTY

Attribute\_Definition: Name of the associated MOA watershed feature.

Attribute\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 1

Enumerated\_Domain\_Value\_Definition: Sensitive (important wetland plant communities are highly sensitive to changes in hydroperiod and pollutant loading associated with storm water discharges)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 2

Enumerated\_Domain\_Value\_Definition: Marginal (important wetland plant communities require special storm water pre-treatment to tolerate changes in hydroperiod and pollutant loading associated with storm water discharges)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 3

Enumerated\_Domain\_Value\_Definition: Tolerant (wetland plant communities have a low environmental functional value or plant communities require only normal storm water pre-treatment to tolerate changes in hydroperiod and pollutant loading associated with storm water discharges)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Attribute:

Attribute\_Label: VEGTREND

Attribute\_Definition: Name of the associated MOA watershed feature.

Attribute\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 1

Enumerated\_Domain\_Value\_Definition: Dry Impacted (wetland vegetation reflects a marked longterm response to a lowered ground water elevation or to a reduction in surface water input or both)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 2

Enumerated\_Domain\_Value\_Definition: Drying (cumulative evidence indicates vegetation is responding to a decreasing (lowering) ground water elevation or to a reduction in surface water input)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 3

Enumerated\_Domain\_Value\_Definition: Flood Impacted (wetland vegetation reflects a marked longterm response to rising ground water elevation or to an increase in surface water input or both)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:

Enumerated\_Domain\_Value: 4

Enumerated\_Domain\_Value\_Definition: Flooding (cumulative evidence indicates vegetation is responding to an increase in (raising of) ground water elevation or to increased surface flooding or both)

Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:  
 Enumerated\_Domain\_Value: 9  
 Enumerated\_Domain\_Value\_Definition: Predevelopment (the hydrologic regime generally reflects conditions similar to those prior to any development within the contribution watershed)  
 Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Attribute:  
 Attribute\_Label: SWPCTBYPAS  
 Attribute\_Definition: Percent of pre-development surface water flows bypassing a wetland feature  
 Attribute\_Definition\_Source: Data Dictionary

Attribute:  
 Attribute\_Label: H2OPCTBYPA  
 Attribute\_Definition: Index value representing estimated percent reduction in all pre-development sources of surface and ground water to a wetland feature  
 Attribute\_Definition\_Source: Data Dictionary

Attribute:  
 Attribute\_Label: SWCONVYNCE  
 Attribute\_Definition: Type of hydraulic connectivity of storm water runoff to wetland feature  
 Attribute\_Definition\_Source: Data Dictionary

Enumerated\_Domain:  
 Enumerated\_Domain\_Value: 1  
 Enumerated\_Domain\_Value\_Definition: Overland (storm waters cross wetlands as a non-integrated-overland-flow)  
 Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:  
 Enumerated\_Domain\_Value: 2  
 Enumerated\_Domain\_Value\_Definition: Channel (storm waters cross wetlands through an open channel or ditch)  
 Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:  
 Enumerated\_Domain\_Value: 3  
 Enumerated\_Domain\_Value\_Definition: Pipe (storm waters cross wetlands through a pipe or other closed conduit)  
 Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

Enumerated\_Domain:  
 Enumerated\_Domain\_Value: 9  
 Enumerated\_Domain\_Value\_Definition: Isolated (no surface storm waters enter the wetland feature)  
 Enumerated\_Domain\_Value\_Definition\_Source: Data Dictionary

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

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

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

Attribute:  
 Attribute\_Label: SHAPE\_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: REVISIONNO  
 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: LAKE\_NAME  
 Attribute\_Definition: Length of feature in internal units.  
 Attribute\_Definition\_Source: ESRI  
 Attribute\_Domain\_Values:  
   Unrepresentable\_Domain: Positive real numbers that are automatically generated.  
 Attribute:  
 Attribute\_Label: SHAPE\_Length  
 Attribute\_Definition: Length of feature in internal units.  
 Attribute\_Definition\_Source: ESRI  
 Attribute\_Domain\_Values:  
   Unrepresentable\_Domain: Positive real numbers that are automatically generated.  
 Attribute:  
 Attribute\_Label: SHAPE\_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.  
 Distribution\_Information:  
 Distributor:  
 Contact\_Information:  
 Contact\_Person\_Primary:  
   Contact\_Person: Phil Manke  
   Contact\_Organization: MOA-DPW-Technical Services  
 Contact\_Position: IT Supervisor  
 Contact\_Address:  
   Address\_Type: Dept of Public Works, PO Box 196650  
   City: Anchorage  
   State\_or\_Province: AK  
   Postal\_Code: 99519-6650  
   Country: USA  
 Contact\_Voice\_Telephone: (907) 343-8220  
 Contact\_Electronic\_Mail\_Address: MankePJ@muni.org  
 Hours\_of\_Service: 8-5  
 Contact\_Instructions: Please use phone as primary contact interface  
 Resource\_Description: Downloadable Data  
 Metadata\_Reference\_Information:  
 Metadata\_Date: 20031029  
 Metadata\_Contact:  
 Contact\_Information:  
 Contact\_Organization\_Primary:  
   Contact\_Organization: MOA-DPW-WMS  
   Contact\_Person: Scott Wheaton  
 Contact\_Position: Watershed Scientist  
 Contact\_Address:  
   Address\_Type: mailing address  
   Address: Department of Public Works, P.O. Box 196650  
   City: Anchorage  
   State\_or\_Province: AK  
   Postal\_Code: 99519-6650  
   Country: USA  
 Contact\_Voice\_Telephone: (907) 343-8117  
 Contact\_Electronic\_Mail\_Address: WheatonSR@muni.org  
 Hours\_of\_Service: 8-5  
 Contact\_Instructions: Please use telephone as primary contact interface  
 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 ProfileAttribute: