

Wilderness Study Areas Data Standard

October 21, 2005



WILDERNESS STUDY AREAS

<i>Name</i>	WILDERNESS STUDY AREAS
<i>Code</i>	WSA
<i>Comment</i>	STATE DATA STEWARD Dave Harmon Oregon State Office 503-808-6062 FOIA CATEGORY Public RECORDS RETENTION SCHEDULE 20/52c 20/53c PERMANENT. Cutoff EOFY in which the layer is created or significantly altered by the BLM. Transfer copy of data to NARA (National Archives and Records Administration) at the EOFY.
<i>Version</i>	Inst. Memo OR-2006-
<i>Creation Date</i>	Monday, September 24, 2001 8:31:21 AM
<i>Modification Date</i>	Wednesday, October 12, 2005 2:31:19 PM

DATA SET DESCRIPTION

Wilderness Study Area (WSA) boundaries as inventoried in the mid-1980's and defined in the October 1991 "Wilderness Study Report". WSA's are essentially roadless areas under BLM jurisdiction. WSAs have special management restrictions and priorities.

SPONSOR/AFFECTED PARTIES

The sponsor for this data set is the Deputy State Director, Resource Planning, Use and Protection.

This is a data set that would be used by many resource specialists and managers but especially those directly involved in the Wilderness program area.

DATA CATEGORY/ARCHITECTURE LINK

Wilderness Study Areas are part of the Oregon/Washington Enterprise Data Model under the category *Boundaries/Political and Administrative*. For additional information on the Enterprise Data Model, see:
<http://www.or.blm.gov/datamanagement/architecture/datadesign.asp>

GENERAL DATA MANAGEMENT PROCEDURES

DATA COLLECTION AND MAINTENANCE PROTOCOLS

Accuracy Requirements: A high level of positional and attribute accuracy is required for the WSA theme. Much of BLM's management hinges on accurate boundaries for their special management areas, especially WSAs. Boundary features are input and maintained with the highest level of accuracy possible short of surveying.

Collection and Input Protocols: WSAs were inventoried in the late 1970's and early 1980's and no large scale re-inventory of WSAs is expected in the future. Additional WSAs could be designated in the future using new inventory and study guidelines. Existing WSAs are essentially static data until Congress passes legislation designating WSAs as wilderness or releasing them from further wilderness consideration. There is no established deadline for Congressional action on wilderness recommendations. WSA boundaries were manuscripted onto USGS 7.5 minute quads. The lines were annotated with their associated source feature (e.g. "PARCEL" or "RIDGELINE"). Boundaries were captured in GIS using these reference maps and the most accurate GIS themes available (GCDB for parcel segments; 24K DLG for roads and streams; DRG backdrop for heads-up digitizing of contours, fences, powerlines; DOQ backdrop for disturbances like mines). The Wilderness Study Report was also used as a reference for boundary descriptions as well as the draft report which has slightly larger scale maps than the final. Polygons and arcs were attributed according to the reference maps and documents. Many boundaries follow road *disturbance* rather than road centerline. Where a road right-of-way is defined, this is used as the boundary. Most roads had no defined right-of-way and so an assumed disturbance of 10 feet from center was used. Road segments from the GIS layer were buffered in ARC to the disturbance radius and the inside buffer line used for the WSA boundary.

Update Transactions and Frequency: The unit of processing for the WSA theme is the full theme . Updates should be rare and fall into one of three scenarios:

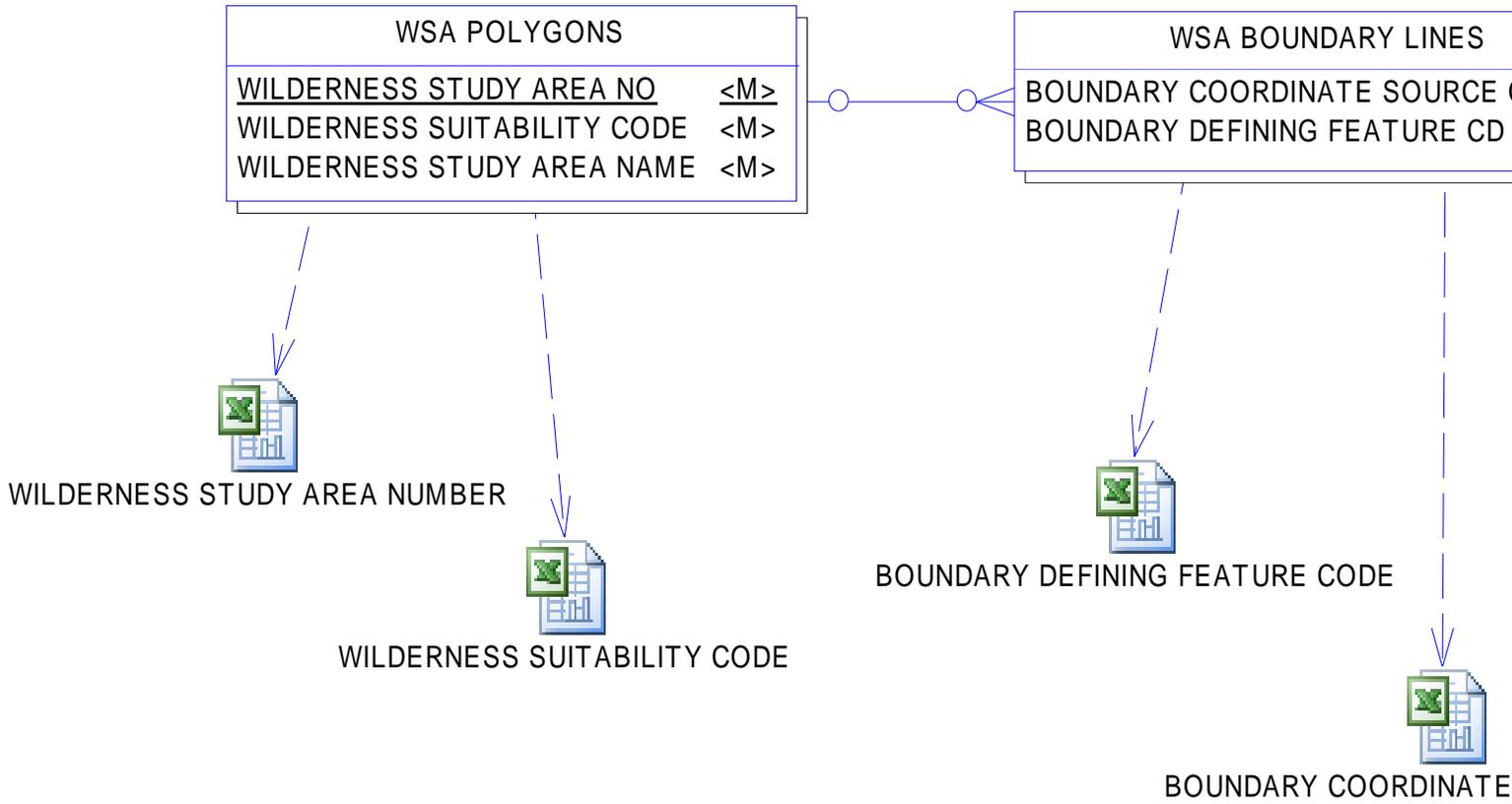
1. New localized inventory. Boundaries should be manuscripted onto 7.5 minute quads using the same process as original inventory.
2. Replacement of boundary linework when more accurate GIS themes become available.
3. Congressional wilderness legislation which designates wilderness areas from WSAs, or release WSAs from future wilderness consideration.

QUALITY ASSURANCE

Because the WSA theme is relatively static data, the main quality assurance work has been completed. Any changes to the WSA theme need to be directed through the State Data Steward for approval. District WSA Stewards should make changes on a *copy* of the corporate WSA theme and send to the State Data Steward (who will be responsible for the actual update to the corporate theme). Regular review of the WSA theme is not needed since there will be close review at the time of any change.

It will be the responsibility of the State Data Steward to provide Oregon's WSA theme to the Washington Office (Denver) in the proper format for inclusion in the national WSA theme.

DATA ORGANIZATION / STRUCTURE



LIST OF ENTITIES

<i>Entity Name</i>
WSA POLYGONS
WSA BOUNDARY LINES

ENTITY: WSA BOUNDARY LINES**DESCRIPTION**

The line segments that define the WSA's.

ATTRIBUTES of WSA BOUNDARY LINES

<i>BLM Structured Name</i>	<i>Data Set Name</i>	<i>Data Type</i>	<i>Mandatory</i>
BOUNDARY COORDINATE SOURCE CD	WSA_COORD_SOURCE	VA20	X
BOUNDARY DEFINING FEATURE CD	WSA_DEF_FEATURE	VA30	X

ATTRIBUTE: BOUNDARY COORDINATE SOURCE CD**FORMAT REQUIREMENTS**

<i>Format</i>	VA20
<i>Uppercase</i>	Yes

DESCRIPTION / DEFINITION

[Required]

The source (in general terms) of the boundary linework.

FOIA Category – Public

ATTRIBUTE: BOUNDARY DEFINING FEATURE CD**FORMAT REQUIREMENTS**

<i>Format</i>	VA30
<i>Uppercase</i>	Yes

DESCRIPTION / DEFINITION

[Required]

The type of physical feature that defines the boundary line segment.

FOIA Category - Public

ENTITY: WSA POLYGONS**DESCRIPTION**

Areas defined as Wilderness Study Areas.

ATTRIBUTES of WSA POLYGONS

<i>BLM Structured Name</i>	<i>Data Set Name</i>	<i>Data Type</i>	<i>Mandatory</i>
WILDERNESS STUDY AREA NO	SUBJ_WSA	VA10	X
WILDERNESS SUITABILITY CODE	RSWD	A1	X
WILDERNESS STUDY AREA NAME	WSA_NAME	A50	X

ATTRIBUTE: WILDERNESS STUDY AREA NO**FORMAT REQUIREMENTS**

<i>Format</i>	VA10
<i>Uppercase</i>	No

DESCRIPTION / DEFINITION

[Required]

A unique identifier for each wilderness study area. These identifiers are unique within each BLM administrative state. This attribute also provides information about areas within a WSA that are not part of the wilderness study area for some reason. Possible reason may include roads that have been excluded (cherry-stemmed), private lands, other lands that do not exhibit wilderness characteristics.

FOIA Category – Public

ATTRIBUTE: WILDERNESS SUITABILITY CODE**FORMAT REQUIREMENTS**

<i>Format</i>	A1
<i>Uppercase</i>	Yes

DESCRIPTION / DEFINITION

[Required]

Identifies whether the wilderness study area is recommended suitable for wilderness designation.

FOIA Category – Public

ATTRIBUTE: WILDERNESS STUDY AREA NAME**FORMAT REQUIREMENTS**

<i>Format</i>	VA50
<i>Uppercase</i>	No

DESCRIPTION / DEFINITION

[Required]

The name used to identify the wilderness study area. Non-WSA lands are not attributed with a name, but inholdings (SUBJ_WSA='PRIVATE') are labeled with "inholding".

See Wilderness Study Area Number (subj_wsa) for a list of allowable WSA names.

FOIA Category - Public

DOMAIN USED**BOUNDARY COORDINATE SOURCE CODE**

<i>Name</i>	BOUNDARY COORDINATE SOURCE CODE
<i>Location</i>	\\blm\dfs\or\loc\datamgt\domains\PoliticalAdministrative\WSA\Boundary Coordinate Source Code.xls
<i>Type</i>	Microsoft Excel Worksheet
<i>Extension</i>	xls

BOUNDARY DEFINING FEATURE CODE

<i>Name</i>	BOUNDARY DEFINING FEATURE CODE
<i>Location</i>	\\blm\dfs\or\loc\datamgt\domains\PoliticalAdministrative\WSA\Boundary Defining Feature Code.xls
<i>Type</i>	Microsoft Excel Worksheet
<i>Extension</i>	xls

WILDERNESS STUDY AREA NUMBER

<i>Name</i>	WILDERNESS STUDY AREA NUMBER
<i>Location</i>	\\blm\dfs\or\loc\datamgt\domains\PoliticalAdministrative\WSA\Wilderness Study Area Number.xls
<i>Type</i>	Microsoft Excel Worksheet
<i>Extension</i>	xls

WILDERNESS SUITABILITY CODE

<i>Name</i>	WILDERNESS SUITABILITY CODE
<i>Location</i>	\\blm\dfs\or\loc\datamgt\domains\PoliticalAdministrative\WSA\Wilderness Suitability Code.xls
<i>Type</i>	Microsoft Excel Worksheet
<i>Extension</i>	xls