

## Areas of Critical Environmental Concern

Includes ACEC, Secondary ACEC, ONA and RNA

April 18, 2003

| THEME and DATA BASE INFORMATION   |   |
|-----------------------------------|---|
| Title:                            | Area of Critical Environmental Concerns   |
| Feature Data Set:                 | ACEC.polygon  |
| Feature Class:                    | Unknown at this time  |
| Feature Class Alias:              | Unknown at this time  |
| Format:                           | SDE (multi user RDBMS table based database)   |
| Theme Group:                      | Boundaries  |
| Abbreviation:                     | ACEC.poly and ACEC.line   |
| Location (Machine/Drive)          |   |
| Storage:                          | Oregon/Washington Corporate SDE   |
| Check Out                         | Unknown at this time  |
| Description:                      | <p>Special Management Areas (ACEC) contains distributions of Primary Area of Environmental Concern, Secondary Areas ACEC, Research Natural Areas, and Outstanding Natural Areas in Oregon BLM.</p> <p>Attributes are provided that give basic information about the Designation Process, designation date, plan date, designated acres, special value, off-highway vehicle designation, leasable mineral entry and locatable/salable mineral entry.</p>   |
| Database Link to Theme:           | <b>ACEC_CN</b> A simple identifier that has no intrinsic value other than imparting a unique identifying label to each polygon. Each record can be assigned a unique ACEC_CN number that is tied to the associated spatial data. This ID may be a linking field to external databases or other sources of information.  |
| Database Location:                | None Defined  |
| Access Restrictions:              | This layer does not contain any sensitive information that might be withheld under the Freedom of Information Act and is considered releasable to the public.   |
| Use Restrictions:                 | None FOIA Category = Public   |
| Metadata/Themes/People Consulted: | <p>Woddb Hand Book<br/>           National Standard for National Conservation Areas<br/>           User Input: Chris Cadwell, Margaret Wolf, Salem Recreation Group<br/>           Bureau of Land Management Geospatial Data Clearinghouse<br/> <a href="http://www1.or.blm.gov/metaweb/smms.asp">http://www1.or.blm.gov/metaweb/smms.asp</a></p> <p>BLM Manual 1613 (ACEC 9/29/1988)</p> <p>National Park Service<br/> <a href="http://www.nps.gov/gis/metadata/boha/acecs.html#5">http://www.nps.gov/gis/metadata/boha/acecs.html#5</a></p> <p>Colorado BLM GIS<br/> <a href="http://www.co.blm.gov/metadata/co_acec.htm">http://www.co.blm.gov/metadata/co_acec.htm</a><br/>           Nevada BLM GIS<br/> <a href="http://www.nv.blm.gov/gis/metadata/acecp.htm">http://www.nv.blm.gov/gis/metadata/acecp.htm</a><br/>           Wyoming BLM GIS<br/> <a href="http://www.wy.blm.gov/gis/metadata/pfo_acecp.html#5">http://www.wy.blm.gov/gis/metadata/pfo_acecp.html#5</a></p> <p>Other sites<br/> <a href="http://130.64.36.76/website/mystic/meta-inf/21.htm">http://130.64.36.76/website/mystic/meta-inf/21.htm</a></p> |

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|  | <a href="http://www.dot.co.pima.az.us/gis/data/contents/metafield.cfm?name=acec">http://www.dot.co.pima.az.us/gis/data/contents/metafield.cfm?name=acec</a>  |
| Metadata Location:   | Required, full Federal Geographic Data Committee (FGDC) compliant.   |
| <b>DATA STEWARDSHIP</b>  |  |
| State Data Steward:  | Joan Seevers – OR931 - (503) 808-6048<br>Leslie Frewing-Runyon OR933 - (503) 808-6088  |
| Monitoring Level:  | The State Data Steward in conjunction with the District Data Stewards are responsible for reviewing the ACEC theme across the state at least once per year. Suggested checks include the following: (1) consistency between districts in attributing (same values used to mean same thing- data collection methods can be different as long as attributes used consistently), (2) progress toward similar levels of accuracy, (3) areas lacking adequate inventory or currency.  |
| GIS Technical Lead:  | Mark S. Koski (503) 375-5604 Salem District GIS Coordinator<br>David Haney (503) 808-6429 OSO 955.2<br>Arthur Miller (503) 808-6113 OSO 955.2  |
| Document Name:   |  |
| <b>COVERAGE INFORMATION</b>  |  |
| Spatial Domain:  | This theme shows ACEC's for BLM-managed lands in Washington and Oregon.  |
| Frequency Of Update:   | Once the ACEC theme has been created it is the responsibility of the District Data Steward to ensure that the theme remains current. Bringing the theme up to a current level should take place at least once per year if not more frequently. It is also the responsibility of the Data Steward to ensure that any database external to the GIS be kept current and consistent.<br><br>Updates to the ACEC theme will take place when there is either a new or a change in designation either spatiality or in any status change of the attributes. |
| Update Transactions:   | The unit of processing for updating the ACEC theme is the district. This means that editors within the districts to update the theme will initiate district-wide transactions. Editors will "check-out" their district's ACEC theme features. They will then add, delete or modify the features prior to "check-in". The district GIS Coordinator will approve update processes and provide assistance and oversight.  |
| Spatial Data Source:   | Best available source with a target source scale of 1:24k matched to Oregon and Washington BLM, GIS database.  |
| Collection and Input Protocols:  | The District Data Steward will develop standard field data collection methods and work with the GIS Coordinator to develop corresponding standard GIS input methods. The most common methods of entry of ACEC by Manuscripting onto a map base (either paper or on-screen with DRG or DOQ backdrop) or getting lines from LLI or other themes.   |
| Horizontal Accuracy:   | Targeted to National Map Accuracy Standards (NMAS)   |
| Coordinate System data was captured at:<br><br>A complete Arc/Info projection file is required | NAD_1927_UTM_Zone_10N<br>Transverse_Mercator<br>False_Easting: 500000.000000<br>False_Northing: 0.000000<br>Central_Meridian: -123.000000<br>Scale_Factor: 0.999600<br>Latitude_Of_Origin: 0.000000  |

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|   | <p>or</p> <p>NAD_1927_UTM_Zone_11N<br/> Transverse_Mercator<br/> False_Easting: 500000.000000<br/> False_Northing: 0.000000<br/> Central_Meridian: -117.000000<br/> Scale_Factor: 0.999600<br/> Latitude_Of_Origin: 0.000000</p>  |                            |
| Units of Measure  | Meters.   |                            |
| Precision   | Double Precision  |                            |
| Coordinate System of the database:<br><br>A complete Arc/Info projection file is required | BLM OR/WA Geographic Coordinate System Decimal Degrees –<br><br>Coordinate System: GEOGCS GCS_North_American_1983<br>Datum: D_North_American_1983<br>Spheroid: GRS_1980",6378137.0,298.257222101<br>Prime Meridian: Greenwich",0.0<br>Units: Degree, 0.0174532925199433 |                            |
| Units of Measure  | To be determined  |                            |
| <b>TOPOLOGY TOLERANCES</b>  | <b>Value</b>  | <b>Verified or Default</b> |
| Fuzzy   | To be determined  | To be determined           |
| Dangle  | To be determined  | To be determined           |
| <b>ArcEdit TOLERANCES</b>   | <b>Value</b>  | <b>Verified or Default</b> |
| Edit  | To be determined  | To be determined           |
| Grain   | To be determined  | To be determined           |
| Node Snap   | To be determined  | To be determined           |
| Snap  | To be determined  | To be determined           |
| Tic Match   | To be determined  | To be determined           |
| Weed  | To be determined  | To be determined           |
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## Area of Critical Environmental Concern Attribute Structure for ACEC polygons

Feature Class: Polygon (ACEC.PAT)

| ITEM NAME    | Alias (.Pat)                 | Input Width | Output Width | Decimal Places | Type | Attribute Status      |
|--------------|------------------------------|-------------|--------------|----------------|------|-----------------------|
| ACEC_NAME    | ACEC NAME                    | 50          | 50           |                | C    | National Standard NCA |
| ACEC_STATE   | ADMINISTRATIVE STATE         | 2           | 2            |                | C    | National Standard NCA |
| ACEC_TYPE    | MANAGEMENT TYPE              | 25          | 25           |                | C    | OR/WA Standard        |
| ACEC_DS_PRO  | DESIGNATION PROCESS          | 20          | 20           |                | C    | OR/WA Standard        |
| ACEC_DS_DATE | DESIGNATION DATE             | 8           | 8            |                | D    | OR/WA Standard        |
| ACEC_PL_DATE | MANAGEMENT PLAN DATE         | 8           | 8            |                | D    | OR/WA Standard        |
| ACEC_DS_AC   | DESIGNATED ACRES             | 10          | 10           | 0              | I    | OR/WA Standard        |
| ACEC_VALUE   | SPECIAL VALUE                | 35          | 35           |                | C    | OR/WA Standard        |
| ACEC_ORV     | OFF ROAD VEHICLE DESIGNATION | 8           | 8            |                | C    | OR/WA Standard        |
| ACEC_HARV    | HARVEST LAND BASE            | 3           | 3            |                | C    | OR/WA Standard        |
| ACEC_LE_MIN  | LEASABLE MINERAL ENTRY       | 12          | 12           |                | C    | OR/WA Standard        |
| ACEC_LO_MIN  | LOCATABLE MINERAL ENTRY      | 12          | 12           |                | C    | OR/WA Standard        |
| ACEC_SA_MIN  | SALABLE MINERAL ENTRY        | 12          | 12           |                | C    | Salable Mineral Entry |
| ACEC_CN      | CONTROL NUMBER               | 15          | 15           |                | C    | OR/WA Standard        |

Area of Critical Environmental Concern Attribute Structure for ACEC Poly  
 Feature Class: *Polygon* (ACEC.POLY)

| ITEM NAME    | Alias (line)                 | Null Values Allowed | Default Value |
|--------------|------------------------------|---------------------|---------------|
| ACEC_NAME    | ACEC Name                    | No                  | None          |
| ACEC_STATE   | Administrative State         | No                  | None          |
| ACEC_TYPE    | Management Type              | No                  | None          |
| ACEC_DS_PRO  | Designation Process          | No                  | None          |
| ACEC_DS_DATE | Designation Date             | No                  | None          |
| ACEC_PL_DATE | Management Plan Date         | Yes                 | None          |
| ACEC_DS_AC   | Designated acres             | No                  | None          |
| ACEC_VALUE   | Special Value                | Yes                 | None          |
| ACEC_ORV     | Off Road Vehicle Designation | Yes                 | None          |
| ACEC_HARV    | Harvest land base            | Yes/No*             | None          |
| ACEC_LE_MIN  | Leasable Mineral Entry       | Yes                 | None          |
| ACEC_LO_MIN  | Locatable Mineral Entry      | Yes                 | None          |
| ACEC_SA_MIN  | Salable Mineral Entry        | Yes                 | None          |
| ACEC_CN      | Control Number               | Yes                 | None          |

\* Required only for Western Oregon Districts

Area of Critical Environmental Concern Attribute Domain for ACEC polygons

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| <b>ACEC_NAME</b><br>Required<br>FOIA Category = Public                   | <b>ACEA Name</b><br>This value refers to the official name of the Special Management Areas. It may contain spaces, plus a combination of upper and lowercase alpha characters. Inholding polygons should be labeled Inholding. |
| Yellow Bottom  | Name of ACEC   |
| <b>ACEC_STATE</b><br>Required<br>FOIA Category = Public<br>Coded DOMAIN  | <b>Administrative State Office</b><br>This value refers to the BLM administrative State Office for the Wild and Scenic River. This field should be the two-digit uppercase code for the state. For example, OR.                |
| OR   | Oregon/Washington  |
| ID   | Idaho  |
| NV   | Nevada   |
| CA   | California   |
| <b>ACEC_TYPE</b><br>Required<br>FOIA Category = Public<br>Coded DOMAIN   | <b>Special Management Area Type</b><br>If the area has more than one designation type it may be chained together in alphabetical order with a /. For example ACEC/ONA/RNA  |
| ACEC   | Primary Area of Environmental Concern  |
| ACEC_SEC   | Protection Area (Secondary Area ACEC) Usually a secondary habitat to protection buffer to the primary ACEC.  |
| ONA  | Outstanding Natural Area   |
| RNA  | Research Natural Area  |
| <b>ACEC_DS_PRO</b><br>Required<br>FOIA Category = Public<br>Coded DOMAIN | <b>Designation Process</b>   |
| RMP  | Resource Management Plan   |
| RMPA   | Resource Management Plan Amendment   |
| OTHER  | Other  |
| <b>ACEC_DS_DATE</b><br>Required<br>FOIA Category = Public                | <b>Designation Date</b><br>Date which the RMP, RMP amendment, or other designation process occurred.   |
| YYYYMMDD   | (YYYYMMDD). For example: 19950415 is April 15, 1995.   |
| <b>ACEC_PL_DATE</b><br>Optional<br>FOIA Category = Public                | <b>Management Plan Date</b><br>The date for ACEC management/activity plan.   |
| YYYYMMDD   | (YYYYMMDD). For example: 19950415 is April 15, 1995.   |

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| <b>ACEC_DS_AC</b><br>Required<br>FOIA Category = Public                           | <b>Designated acres of the ACEC</b><br>Acreage identified in the designation process of the ACEC. This is the historical designated acres and may be different than the area of the ACEC polygon. This field may be the same acres for more than one polygon and be comprised of multiple polygons with the same ACEC acres. Do not use this field to determine the sum of the area of single or multiple designations. |
| 999999  | Designated Acres  |
| <b>ACEC_VALUE</b><br>Optional<br>FOIA Category = Public<br><br>Coded DOMAIN       | <b>Special Value</b><br>If the area has more than one special value it may be chained together in alphabetical order with a /. For example CULT/SC/NH   |
| BOT   | Botanical   |
| CULT  | Cultural  |
| FW  | Fish and Wildlife   |
| HIST  | Historical  |
| NP  | Natural Processes / Systems   |
| NHC   | Natural Heritage Program Cell   |
| NH  | Natural Hazards   |
| SC  | Scenic  |
| <b>ACEC OHV</b><br>Optional<br>FOIA Category = Public<br>Coded DOMAIN             | <b>Off Highway Vehicle Designation</b>  |
| OPEN  | Open to OHV   |
| CLOSED  | Closed to OHV   |
| LIMITED   | Limited access to OHV   |
| <b>ACEC_HARV</b><br>Required (W. Oregon Districts Only)<br>FOIA Category = Public | <b>Harvest Land Base</b>  |
| IN  | In the Harvest Land base (Lands included in the calculation of the Allowable Sale Quantity)   |
| OUT   | Out of the Harvest base. (Lands excluded in the calculation of the Allowable Sale Quantity)   |
| <b>ACEC_LE_MIN</b><br>Optional<br>FOIA Category = Public<br>Coded DOMAIN          | <b>Leasable Mineral Entry</b>   |
| OPEN NSO  | Open - No surface occupancy   |
| OPEN STD  | Open - Standard Stipulations  |
| OPEN CSU  | Open - Controlled Surface Use   |
| OPEN SRS  | Open - Seasonal Restricted  |
| CLOSED  | Closed  |

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| NO FEDERAL   | Mineral resource not federally administered  |
| <b>ACEC_LO_MIN</b><br>Optional<br>FOIA Category = Public<br>Coded DOMAIN | <b>Locatable Salable Mineral Entry</b>   |
| OPEN   | Open   |
| OPEN-RES   | Open, with restrictions  |
| CLOSED   | Closed   |
| NOT FEDERAL  | Mineral resource not federally administered  |
| <b>ACEC_SA_MIN</b><br>Optional<br>FOIA Category = Public<br>Coded DOMAIN | <b>Salable Mineral Entry</b>   |
| OPEN   | Open   |
| CLOSED   | Closed   |
| NO FEDERAL   | Mineral resource not federally administered  |
| <b>ACEC_CN</b><br>Optional<br>FOIA Category = Public                     | <b>Control Number</b><br>Control number to uniquely identify each feature. OR/WA BLM Districts units establish this number. It is used to link the spatial data to an external database.   |
| Example: OR080-0001  | A unique code established by each District. An example could be:<br>State Code District Code – Number<br><br>A simple identifier that has no intrinsic value other than imparting a unique identifying label to each polygon. Each record is assigned a unique ACEC_CN number that is tied to the associated spatial data. This ID may be a linking field to external databases or other sources of information. |

**Area of Critical Environmental Concern Attribute Structure for ACEC lines**

Feature Class: *arc* (ACEC.aat)

| ITEM NAME      | Alias (.aat)      | Input Width | Output Width | Decimal Places | Type | Attribute Status |
|----------------|-------------------|-------------|--------------|----------------|------|------------------|
| ACEC_LINE_TYPE | ACEC LINE TYPE    | 25          | 25           |                | C    | OR/WA Standard   |
| ACEC_DEF_FEAT  | DEFINING FEATURES | 30          | 30           |                | C    | OR/WA Standard   |
| ACEC_COORD_SRC | COORDINATE SOURCE | 20          | 20           |                | C    | OR/WA Standard   |
| ACEC_ACCURACY  | ACCURACY          | 2           | 2            | 0              | I    | OR/WA Standard   |
| ACEC_SRC_DATE  | GIS SOURCE DATE   | 8           | 8            |                | D    | OR/WA Standard   |
| ACECL_CN       | CONTROL NUMBER    | 12          | 12           |                | C    | OR/WA Standard   |

Area of Critical Environmental Concern Attribute Structure for ACEC Line

Feature Class: *Line* (ACEC.LINE)

| ITEM NAME      | Alias (line)      | Null Values Allowed | Default Value |
|----------------|-------------------|---------------------|---------------|
| ACEC_LINE_TYPE | ACEC Line Type    | No                  | None          |
| ACEC_DEF_FEAT  | Defining Features | No                  | None          |
| ACEC_COORD_SRC | Coordinate Source | No                  | None          |
| ACEC_ACCURACY  | Accuracy          | Yes                 | None          |
| ACEC_SRC_DATE  | GIS Source Date   | Yes                 | None          |
| ACECL_CN       | Control Number    | Yes                 | None          |

Area of Critical Environmental Concern Attribute Domain for ACEC lines

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| <b>ACEC_LINE_TYPE</b><br>Required<br>FOIA Category = Public | <b>ACEC Line Type</b><br>If the line has more than one line type it may be chained together in alphabetical order with a /. For example ACEC/ONA/RNA  |
| ACEC  | Lines that make up the outside boundary of the Primary Area of Environmental Concern  |
| ACEC_SEC  | Lines that make up the outside boundary of the secondary protection area.   |
| ONA   | Lines that make up the outside boundary of the Outstanding Natural Area   |
| RNA   | Lines that make up the outside boundary of the Research Natural Area  |
| OTH   | Interior lines that do not make up the outside boundary of ACEC, ACEC_SEC, ONA or RNA.  |
|   |   |
| <b>ACEC_DEF_FEAT</b><br>Required<br>FOIA Category = Public  | <b>Defining Features</b><br>The type of physical feature that defines the DATA LAYER area line segment. This value refers to the natural, manmade, or mapping feature that represents the ACEC. This value is recorded on each arc.<br><br>This field is used when coincident lines are part of the ACEC boundary. For example, if a portion of the trail follows a contour line. |
| ROAD  | A road forms the boundary for this line segment.  |
| ROADBUFFERXXXX  | The boundary is a buffer line XXX feet in from a road.  |
| RIGHT-OF-WAY  | A legal road right of way forms the boundary for this line segment.   |
| RIM   | A rim forms the boundary for this line segment.   |
| CONTOURXXXX   | A contour line forms the boundary for this line segment. The "XXXX" is the contour elevation in feet (contour 2200 = a contour line at 2200 feet in elevation).   |
| TRAIL   | A trail forms the boundary for this line segment.   |
| FENCE   | A fence forms the boundary for this line segment.   |
| RIDGE   | A ridge forms the boundary for this line segment.   |
| STREAM  | A stream forms the boundary for this line segment.  |
| POWERLINE   | A powerline forms the boundary for this line segment.   |
| SUBDIVISION   | A GCDB based boundary.  |
| EDGE-OF-LAVA  | The edge of a lava flow forms the boundary for this line segment.   |
| MEANDER-LINE  | A lake meander line (when not defined by GCDB) forms the boundary for this line segment.  |
| MEDIAL-LINE   | A lake medial line forms the boundary for this line segment.  |
| DRAINAGE  | Drainage forms the boundary for this line segment.  |
| LAVA&SEEDING  | The boundary follows the edge of lava and a seeding.  |
| XXXXX   | For Features not on the list call Stan Frazier  |
|   |   |
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| <b>ACEC_COORD_SRC</b><br>Required<br>FOIA Category = Public | <b>Coordinate Source</b><br>The source (in general terms) of the DATA LAYER linework. If coordinate source is a BLM master data layer, refer to master data layer by name.   |
| Manuscript  | Hand drawn feature not represented by line work in a reference theme. <b>(Needs accuracy)</b>  |
| GPS   | GPS captured feature. <b>(Needs accuracy)</b>  |
| COB   | COB = County Boundaries data layer   |
| DOB   | DOB = District Boundaries data layer   |
| GTRN  | GTRN = Transportation data layer   |
| LLI   | LLI = Land Line Inventory data layer   |
| STREAMS   | STREAMS = Hydrography data layer   |
| LAKES   | LAKES = Double Lined Streams or Lakes  |
| GCDB  | GCDB = linework snapped to geographic coordinate database points   |
| DOQ   | DOQ = linework where to digital orthoquad was used as a reference layer. <b>(Needs accuracy)</b>   |
| 24K DLG   | 24K DLG = linework from 24K digital line graph data (such as streams and roads)  |
| 24K DRG   | 24K DRG = linework from digitizing USGS 24K digital raster graphs (topo maps). <b>(Needs accuracy)</b>   |
| XXXXXX  | For Features not listed add the theme code or call Stan Frazier  |
| <b>ACEC_ACCURACY</b><br>Required<br>FOIA Category = Public  | <b>Accuracy</b><br>Locational accuracy code that indicates how close to the true geographic location on the ground a GIS entity has been recorded. There are two aspects to accuracy: the tools used to get spatial entities into a GIS (turned into digital representations), and the actual accuracy - how far off (+ or - feet) is the digital product. Three types of tools are recognized: GPS (global positioning system), manuscripting onto a map or photo, and legal descriptions using Township, Range, and Section. |
| DOMAIN  | <b>See ACEC_COOR_SRC on where to apply</b>   |
| 1   | GPS within 3 Feet  |
| 2   | GPS within 30 Feet   |
| 3   | GPS within 300 Feet  |
| 4   | Manuscripted within 40 Feet  |
| 5   | Manuscripted within 100 Feet   |
| 6   | Manuscripted within 150 Feet   |
| 7   | Manuscripted within 300 Feet   |
| 8   | Manuscripted within 660 Feet   |
| 9   | Manuscripted within 1320 Feet  |
| 10  | Manuscripted within one-half mile  |
| 11  | Manuscripted best estimate with no distance limit indicated  |
| <b>COORD_SRC_DATE</b><br>Required<br>FOIA Category = Public | <b>GIS Source Date</b><br>The vintage (in general terms) of the coordinate source materials. The date should represent the timeliness of the information portrayed in the Coordinate Source field.   |
| 19950415  | (YYYYMMDD). For example: 19950415 is April 15, 1995  |

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| <b>ACEC_CN</b><br>Optional<br>FOIA Category = Public | <b>Control number</b><br>Uniquely identify each feature. OR/WA BLM Districts units establish this number. It is used to link the spatial data to an external database. |
| Example: OR080-0001                                  | A unique code established by each District. An example could be:<br>State Code District Code - Number  |
|  |  |