The Oregon GIS Metadata Editor for ArcCatalog

Welcome to the Oregon GIS Metadata Editor for ArcCatalog ("Editor", hereafter). This editor was developed under the two primary principles; 1) to make metadata creation and editing simpler, and 2) to leverage technologies commonly used by the GIS community – in this case ESRI's ArcGIS Desktop.

A few things you should know about the Oregon GIS Metadata Editor;

1. It was designed to be consistent with the Oregon GIS Metadata Standard (v2.02) – Note the Oregon GIS Metadata Standard is a subset of the FGDC-CSDGM Standard
2. It was developed for ArcCatalog versions 10.1.x, 10.2.x, 10.3.x, 10.4.x and 10.5
3. It was designed to function with ESRI's ArcGIS Metadata Tools and Add-Ins
4. It was developed using ESRI's ArcGIS Metadata Toolkit

In order for the Editor to function within the existing infrastructure of ArcCatalog it had to comply with ESRI's ArcGIS Metadata Format. The ArcGIS Metadata Format is ESRI's solution to incorporate all existing metadata standards into one editor interface. ESRI supplies filters in the form of Metadata Styles to enable ArcCatalog's ArcGIS Metadata editor to only show the elements associated with the chosen style (i.e., FGDC CSDGM Metadata). See 'Information on ArcGIS Metadata and ArcCatalog's Support for FGDC Metadata' section for more information on ArcGIS Metadata Format and ArcCatalog's ArcGIS Metadata editor.

Our solution was to develop a custom Metadata Style for ArcCatalog that filters the ArcGIS Metadata elements into an editor interface designed to comply with the Oregon GIS Metadata Standard. It is important to note that it was not possible to leverage all of ESRI's built-in Metadata Tools without structuring the Editor interface within the constraints of the ArcGIS Metadata Format. Because of this, many of the Editor's sections, subsections, and elements are not labeled and grouped in the same manner as seen in the Oregon GIS Metadata Standard. Please see next section for tips and tricks for easily navigating the Oregon GIS Metadata Editor for ArcCatalog.

Tips and Tricks for Navigating the Oregon GIS Metadata Editor for ArcCatalog
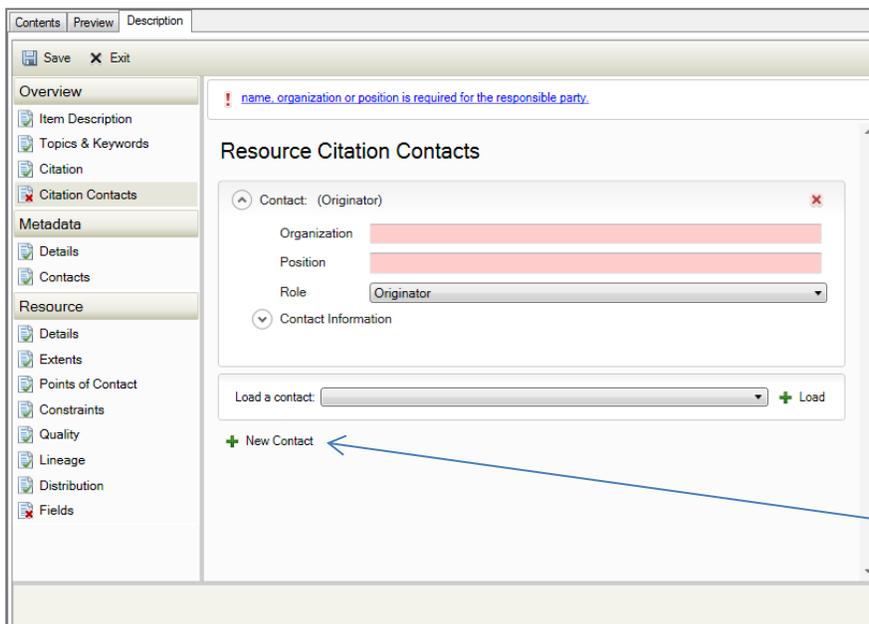
- **Use ESRI's Illustrated guide to complete FGDC metadata to help navigate and understand where FGDC elements are within the ArcGIS Metadata format (http://desktop.arcgis.com/en/arcmap/10.3/manage-data/metadata/illustrated-guide-to-complete-fgdc-metadata.htm). This is helpful because the Oregon GIS Metadata Standard is a subset of the FGDC Metadata Standard.**
- **An Oregon GIS Metadata Standard validation file is provided with the editor; this file can be referenced within ArcCatalog's metadata validation tools.**
- **There are some differences between the Oregon GIS Metadata Standard and the way ArcGIS Metadata standard is presented. See 'Issues with Implementing the Oregon GIS Metadata Standard within the ArcGIS Metadata Format'.**

Issues with Implementing the Oregon GIS Metadata Standard within the ArcGIS Metadata Format
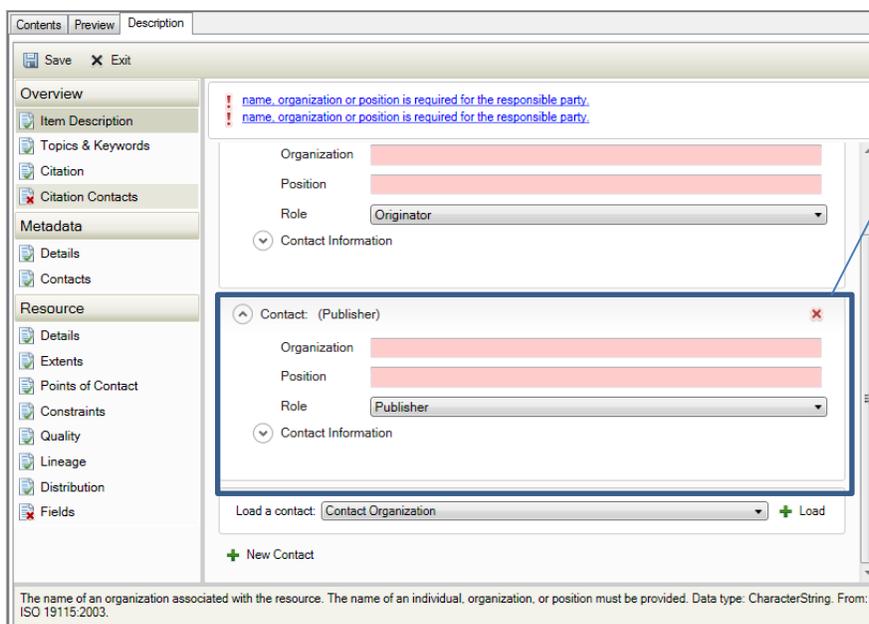
ArcGIS Metadata Section: Overview > Citation Contacts

Oregon GIS Metadata Element(s): Publisher (a.k.a Publisher)

In the **Citation Contacts** subsection there are two mandatory Oregon GIS Metadata elements; the **Originator** and **Publisher**. On initial load the **Publisher** element is not shown. In order to get the **Publisher** element, click **New Contact** and the *ArcGIS Metadata compound section* for **Contact** will appear with the **Role** pre-set to **Publisher**. Please populate the **Organization** node.
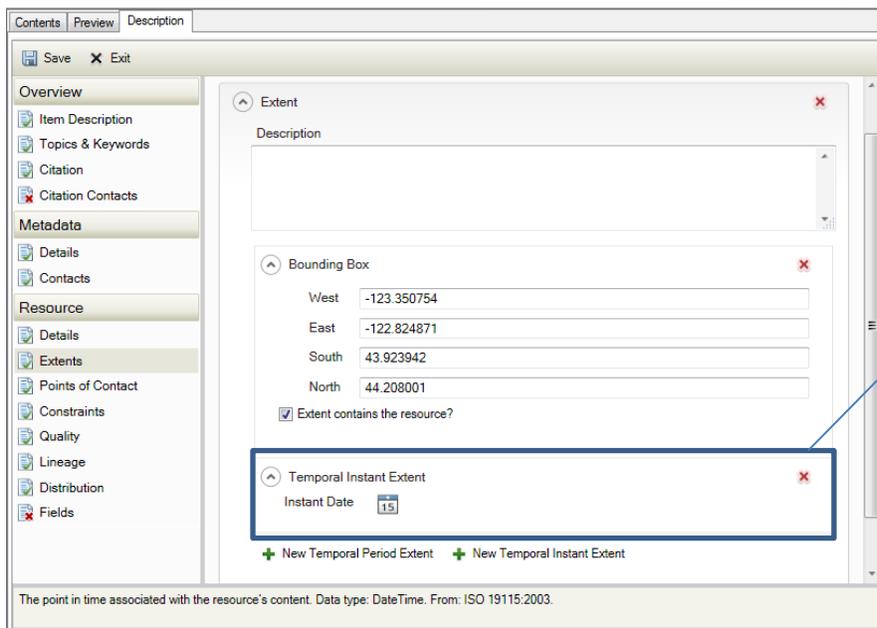

Click 'New Contact' to get "Publisher" element

ArcGIS Metadata Section: Resource > Extents

Oregon GIS Metadata Element(s): Single Calendar Date (a.k.a Temporal Instant Date)

In the **Extents** subsection the **Temporal Instant Date** is a mandatory element with no hint that must be populated to validate with the Oregon GIS Standard. Please expand the **Temporal Instant Extent** *ArcGIS compound section* and use the *date* and *time widgets* to populate **Instant Date**.
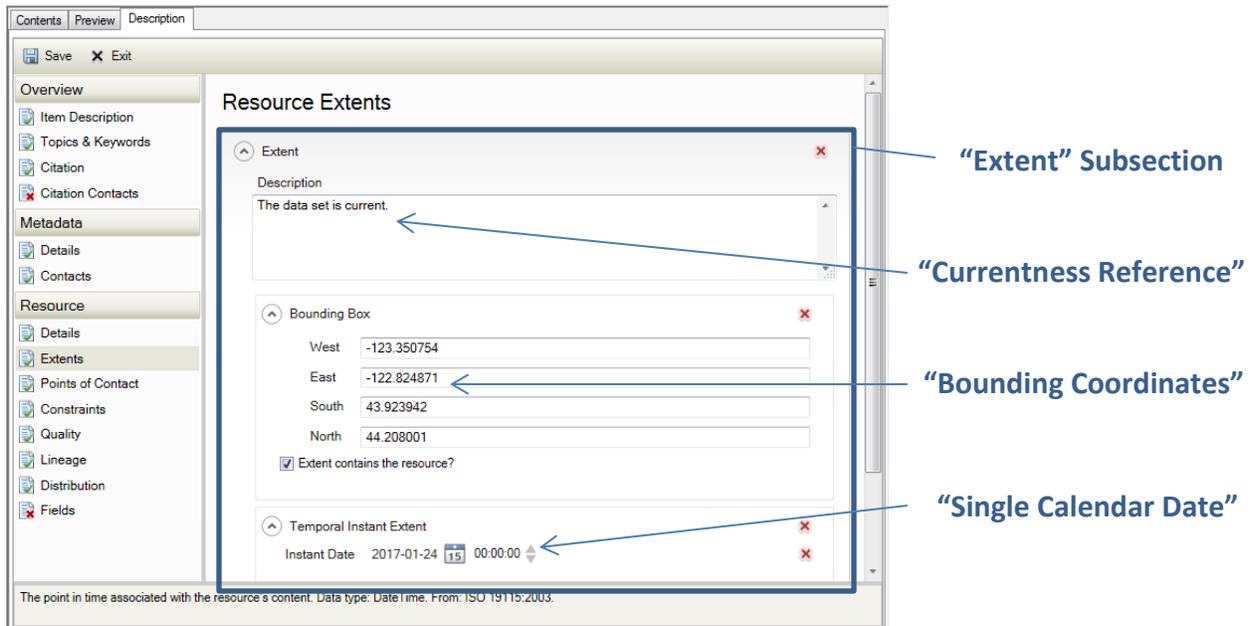

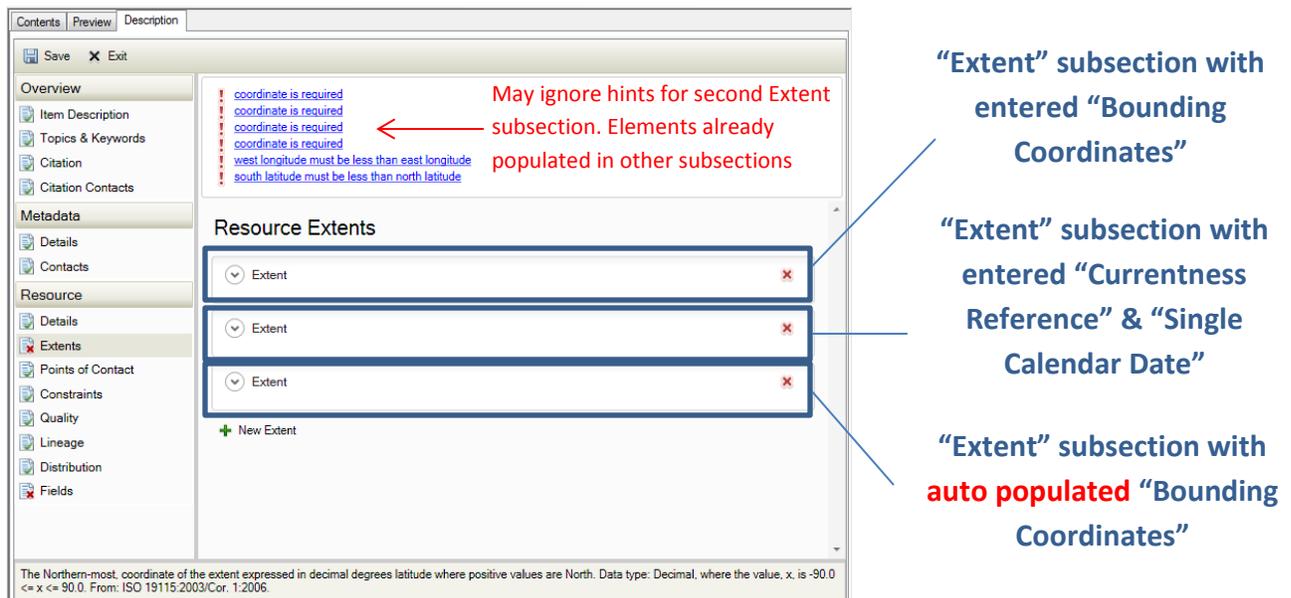**"Instant Date" is a Mandatory Element with no hint**

ArcGIS Metadata Section: Resource > Extents

Oregon GIS Metadata Element(s): Currentness Reference (a.k.a Description)
Bounding Coordinates (a.k.a Bounding Box)
Single Calendar Date (a.k.a Temporal Instant Date)

In the **Extents** subsection the **Description, Bounding Box,** and **Temporal Instant Date** may be populated within one **Extent** *ArcGIS compound section*.
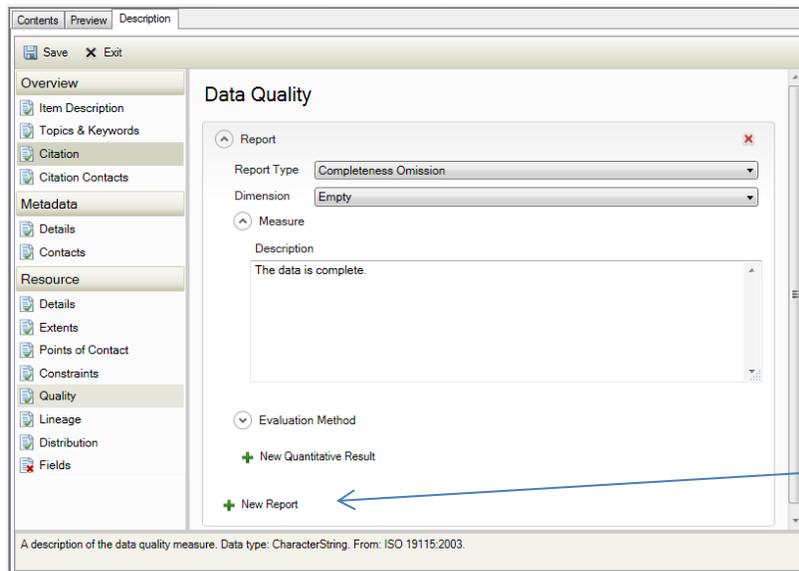

Alternately, these elements may be populated within multiple **Extent** *ArcGIS compound sections*. Please note that ArcCatalog's built-in metadata import tools will populate these elements across two **Extent** subsections within all editors. Also, ArcCatalog will add a third **Extent** section containing auto-populated **Bounding Coordinates** (from metadata auto-processes such as 'Upgrade Metadata' or other import tools). These sections may be left as-is, since ArcCatalog's display, export and conversion tools account for each configuration.
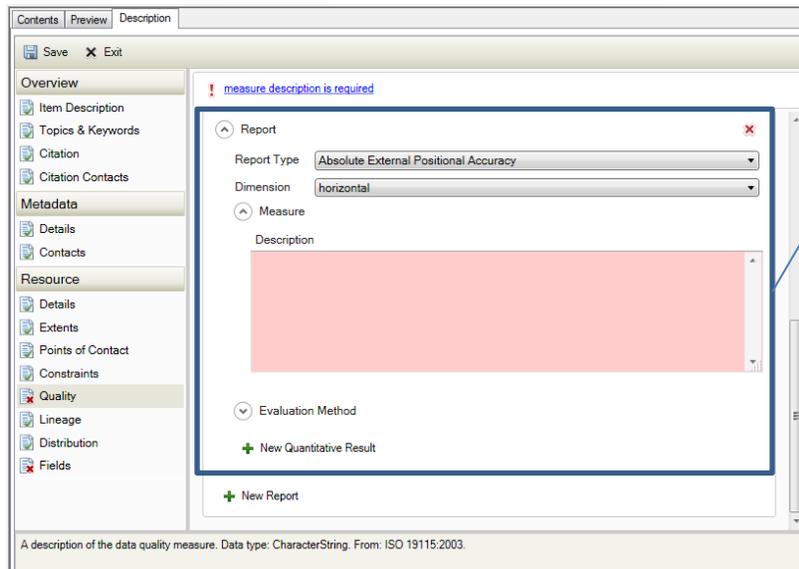
ArcGIS Metadata Section: Resource > Quality

Oregon GIS Metadata Element(s): Horizontal Positional Accuracy (a.k.a Absolute External Positional Accuracy Horizontal)

In the **Quality** subsection there are two mandatory Oregon GIS Metadata elements; the **Completeness omission > Description** and **Absolute External Positional Accuracy (horizontal) > Description**. On initial load the **Absolute External Positional Accuracy (horizontal) > Description** element is not shown. In order to get the **Absolute External Positional Accuracy (horizontal) > Description** element, click **New Report** and the *ArcGIS Metadata compound section* for **Report** will appear with the **Report Type** pre-set to **Absolute External Positional Accuracy** and **Dimension** pre-set to **horizontal**. Please populate the **Description** node.
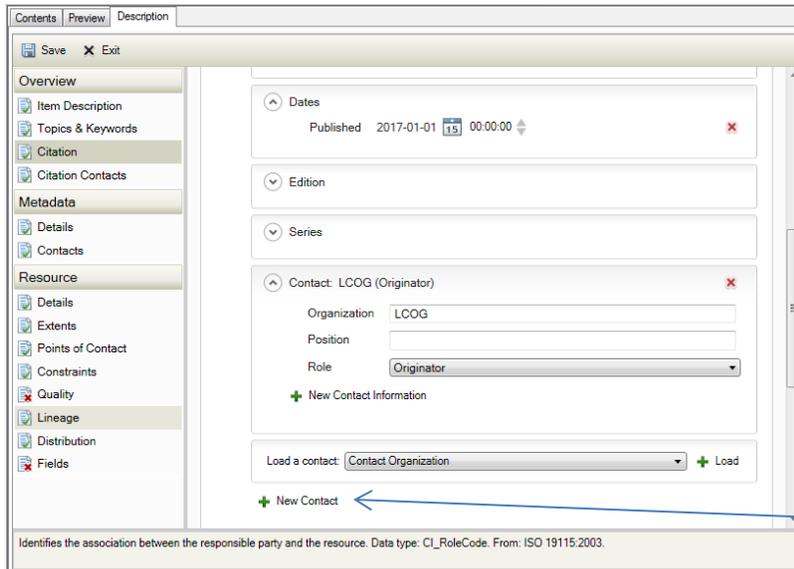

Click 'New Report' to get "Horizontal Positional Accuracy Report" element
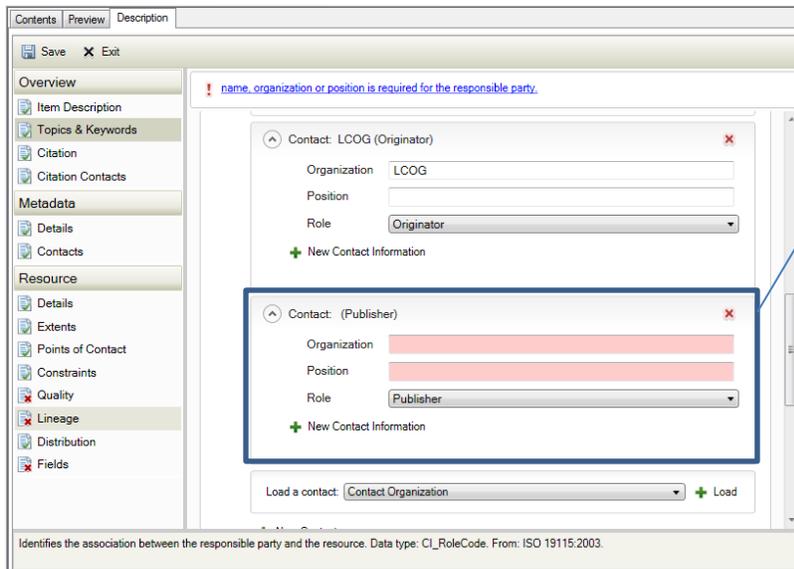
ArcGIS Metadata Section: Resource > Lineage > Data Source > Source Citation

Oregon GIS Metadata Element(s): Publisher (a.k.a Publisher)

In the **Lineage > Data Source > Source Citation** subsection there are two mandatory Oregon GIS Metadata elements; the **Originator** and **Publisher**. On initial load the **Publisher** element is not shown. In order to get the **Publisher** element, click **New Contact** and the *ArcGIS Metadata compound section* for **Contact** will appear with the **Role** pre-set to **Publisher**. Please populate the **Organization** node.
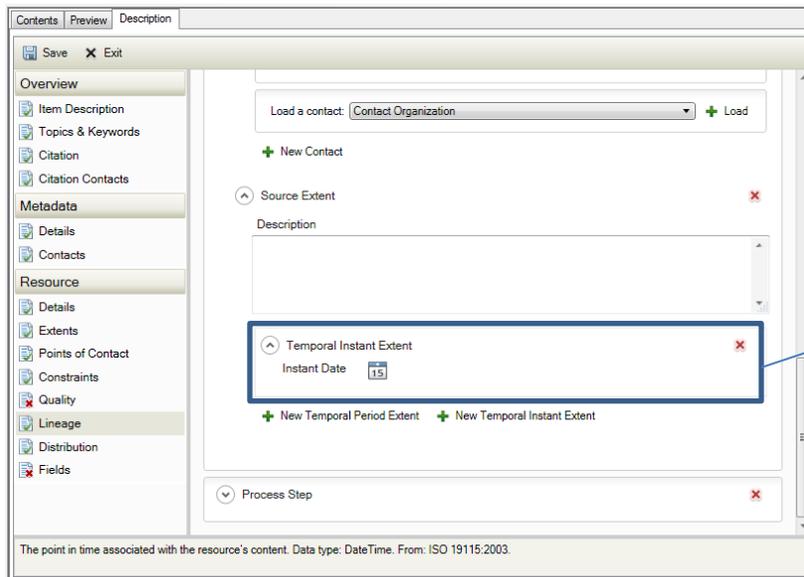

Click 'New Contact' to get "Publisher" element

ArcGIS Metadata Section: Resource > Lineage > Data Source > Source Extent

Oregon GIS Metadata Element(s): Single Calendar Date (a.k.a Temporal Instant Date)

In the **Lineage > Data Source > Source Extent** subsection the **Temporal Instant Date** is a <u>mandatory element with no hint</u> that must be populated to validate with the Oregon GIS Standard. Please use the *date* and *time widgets* to populate **Instant Date**.
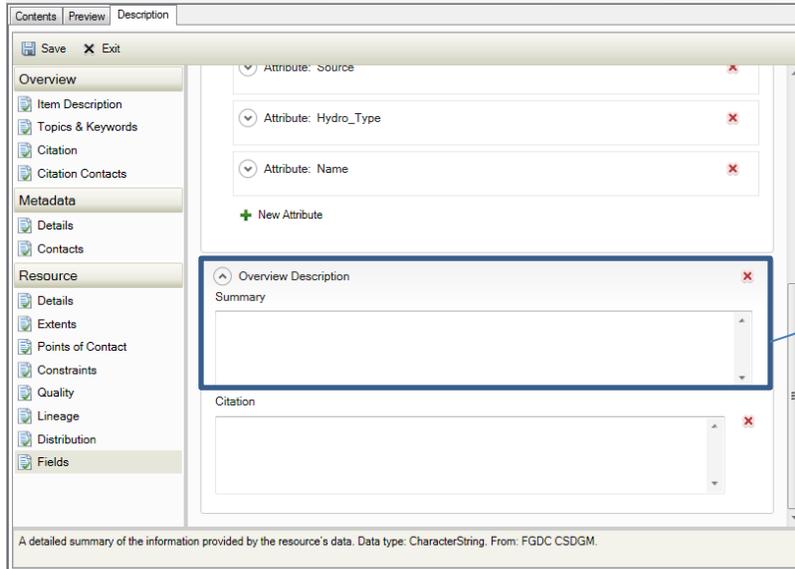

"Instant Date" is a **Mandatory Element** with no hint

ArcGIS Metadata Section: Resource > Fields > Overview Description

Oregon GIS Metadata Element(s): Entity and Attribute Overview (a.k.a Summary)

In the **Fields > Overview Description** subsection the **Summary** is a mandatory element with no hint that must be populated to validate with the Oregon GIS Standard. Please populate the **Summary** node.

"Summary" is a
Mandatory Element
with no hint

Information on ArcGIS Metadata and ArcCatalog's Support for FGDC Metadata

Illustrated guide to complete FGDC metadata:

http://desktop.arcgis.com/en/arcmap/10.3/manage-data/metadata/illustrated-guide-to-complete-fgdc-metadata.htm

Use the link above to learn how to navigate the ArcCatalog editor and how to make compliant FGDC metadata. This link can also be used to help populate Oregon GIS metadata elements found within the FGDC metadata standard.

The ArcGIS Metadata Format:

http://desktop.arcgis.com/en/arcmap/10.3/manage-data/metadata/the-arcgis-metadata-format.htm

Use the link above to learn more about how ESRI uses metadata standards within ArcGIS.

Differences between ArcGIS metadata and FGDC metadata:

http://desktop.arcgis.com/en/arcmap/10.3/manage-data/metadata/differences-between-arcgis-metadata-and-fgdc-metadata.htm

Use the link above to learn more about the differences between the FGDC metadata standard and the ArcGIS metadata standard and how this affects metadata creation within ArcCatalog's metadata editor.

The ArcGIS Metadata Toolkit:

http://support.esri.com/download/7385

Use the link above to learn more about how the Oregon GIS Metadata Editor was developed using ESRI's metadata toolkit.