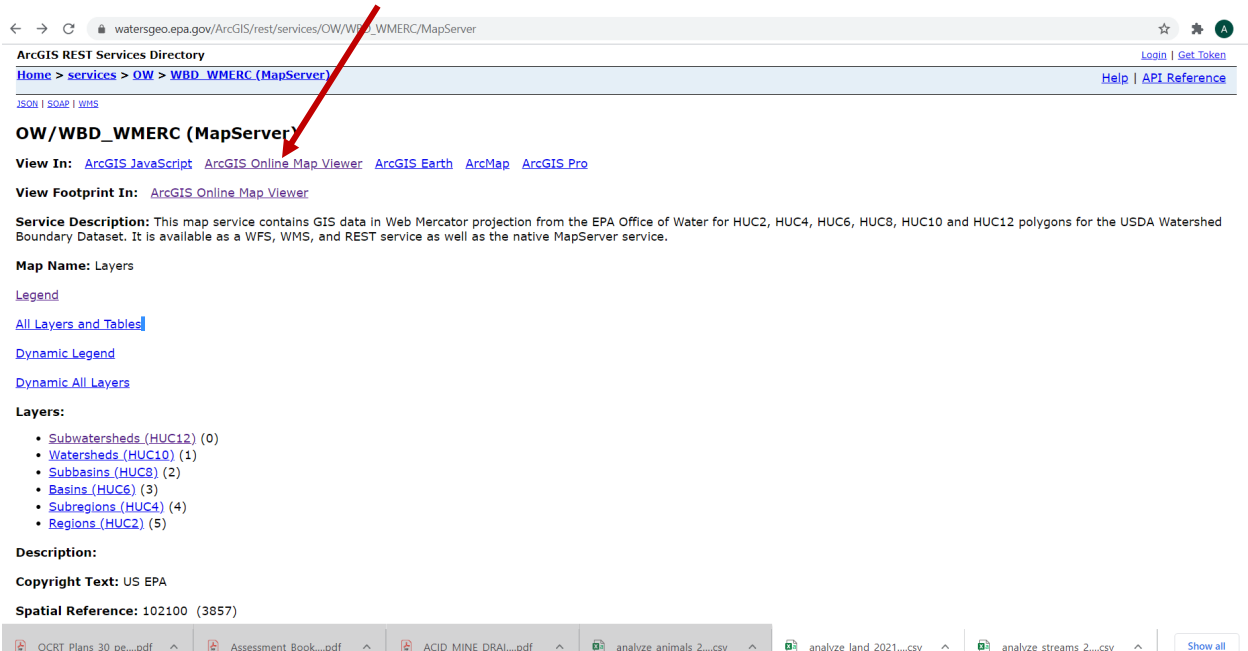


CONFIRMING HUC12 SELECTION PRIOR TO USING INPUT DATA SERVER

Due to a known inconsistency between the historical HUCs used to develop the data in the Input Data Server and USGS's most recent HUC numbering and boundary dataset, it is necessary to confirm that the HUC12 selected is the intended HUC.

- 1) Navigate to the OW/WBD_WMERC (MapServer) site at https://watersgeo.epa.gov/ArcGIS/rest/services/OW/WBD_WMERC/MapServer
- 2) Click on "ArcGIS Online Map Viewer"



The screenshot shows the ArcGIS REST Services Directory page for the OW/WBD_WMERC (MapServer) service. The page includes navigation links, a breadcrumb trail, and a list of layers. A red arrow points to the 'ArcGIS Online Map Viewer' link in the 'View In:' section.

ArcGIS REST Services Directory
Home > services > OW > WBD_WMERC (MapServer)
JSON | SOAP | WMS

OW/WBD_WMERC (MapServer)

View In: [ArcGIS JavaScript](#) [ArcGIS Online Map Viewer](#) [ArcGIS Earth](#) [ArcMap](#) [ArcGIS Pro](#)

View Footprint In: [ArcGIS Online Map Viewer](#)

Service Description: This map service contains GIS data in Web Mercator projection from the EPA Office of Water for HUC2, HUC4, HUC6, HUC8, HUC10 and HUC12 polygons for the USDA Watershed Boundary Dataset. It is available as a WFS, WMS, and REST service as well as the native MapServer service.

Map Name: Layers

[Legend](#)
[All Layers and Tables](#)
[Dynamic Legend](#)
[Dynamic All Layers](#)

Layers:

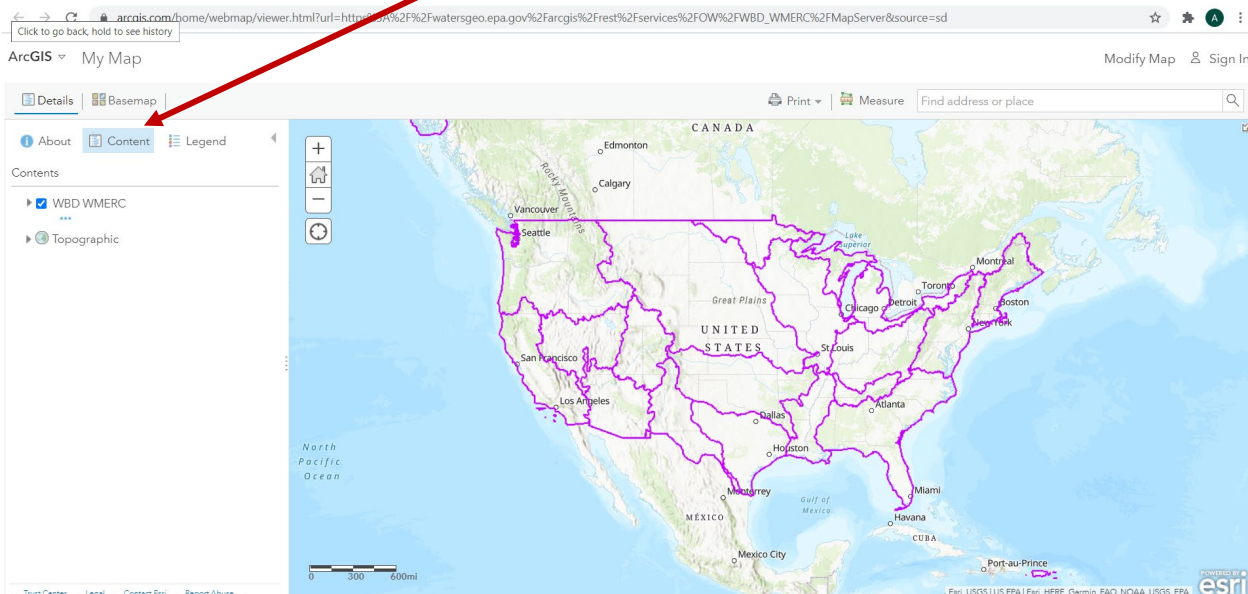
- Subwatersheds.(HUC12) (0)
- Watersheds.(HUC10) (1)
- Subbasins.(HUC8) (2)
- Basins.(HUC6) (3)
- Subregions.(HUC4) (4)
- Regions.(HUC2) (5)

Description:

Copyright Text: US EPA

Spatial Reference: 102100 (3857)

- 3) This screen will appear. Click on "Content" if you are not automatically taken there. An account or sign in is not required.



The screenshot shows the ArcGIS Online Map Viewer interface. The map displays the United States with watershed boundaries overlaid. The left-hand navigation pane is visible, and a red arrow points to the 'Content' tab. The 'Contents' section shows the 'WBD_WMERC' layer selected.

ArcGIS My Map

Modify Map Sign In

Details Basemap Print Measure Find address or place

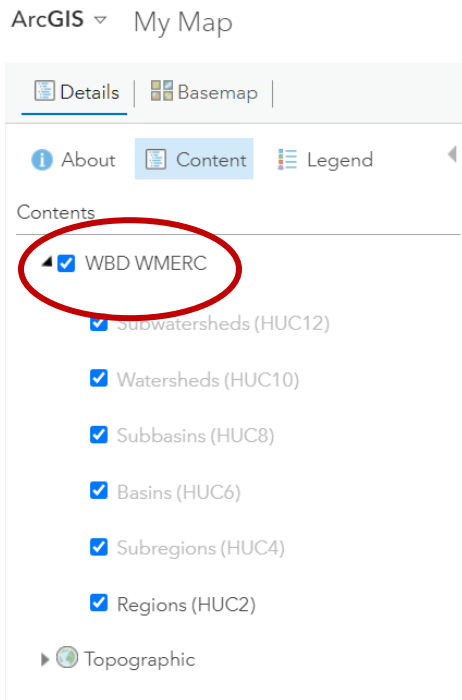
Contents

- WBD_WMERC
- Topographic

Trust Center Legal Contact Esri Report Abuse

Esri USGS | US EPA | Esri, HERE, Garmin, FAO, NOAA, USGS, EPA

- 4) Expand the Contents in the list on the left to show the *Subwatersheds (HUC12)* by clicking on the arrow next to “WBD WMERC” *Subwatersheds (HUC12)* will remain grayed out until zoomed in to the appropriate scale.

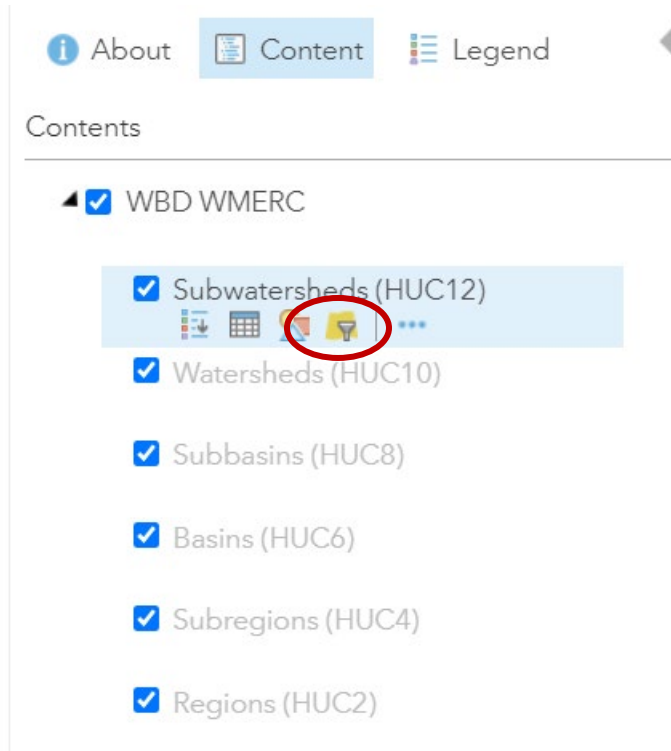


From here, there are two confirmation procedures, one if the HUC12 number for the watershed is known (Option 1, presented on page 3), and one if selecting a HUC based on a known physical location that can be identified visually on a map (Option 2, presented on page 7).

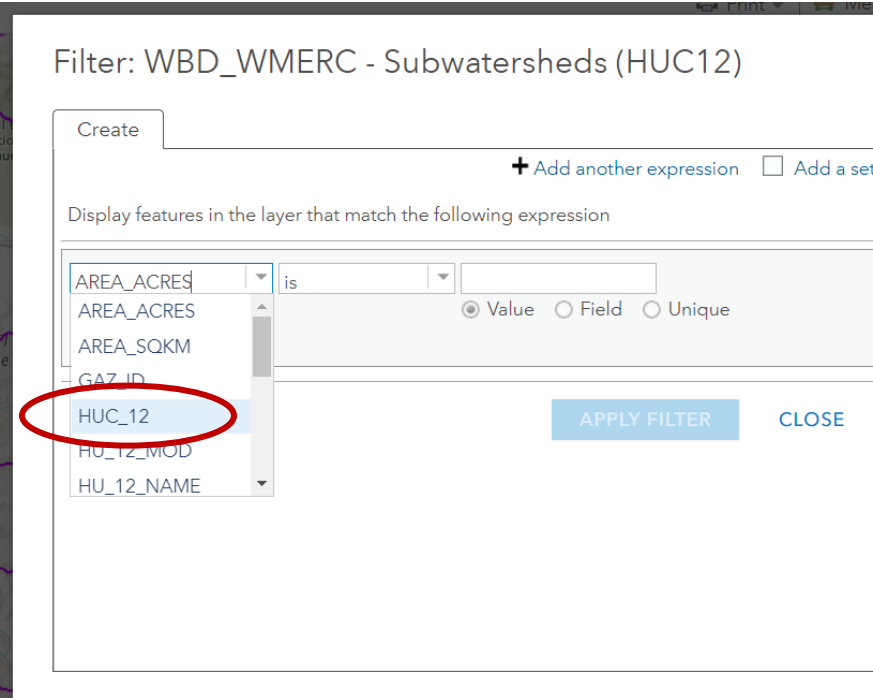
OPTION 1

To Confirm the Correct HUC when HUC12 number is available:

- 1) From the left hand Contents bar, hover over *Subwatersheds (HUC12)* until the icons below the text appear. Click on the filter icon.



- 2) A popup window will open, select HUC12 from the dropdown menu on the left.



- 3) Confirm that the middle dropdown menu says "is" and then type the HUC12 number for the area of interest in the third field. Click *Apply Filter*.

Filter: WBD_WMERC - Subwatersheds (HUC12)

Create

+ Add another expression Add a set

Display features in the layer that match the following expression

HUC_12 is 140401070701

Ask for values

Value Field Unique

APPLY FILTER CLOSE

- 4) Select the table icon, and a table will appear in the lower portion of the map listing the HUC12 just entered.

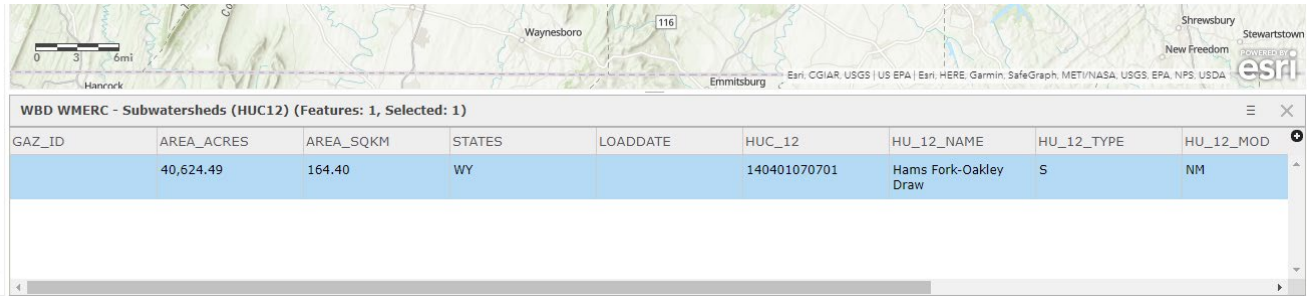
About Content Legend

Contents

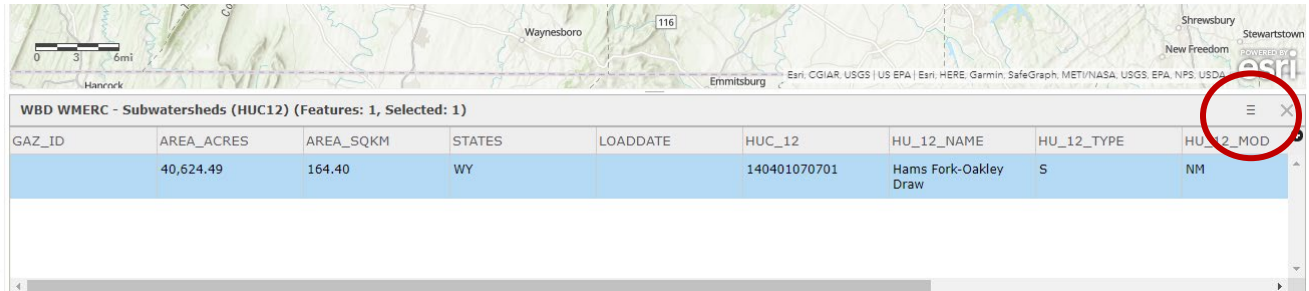
WBD WMERC

- Subwatersheds (HUC12)
- Watersheds (HUC10)
- Subbasins (HUC8)
- Basins (HUC6)
- Subregions (HUC4)
- Regions (HUC2)

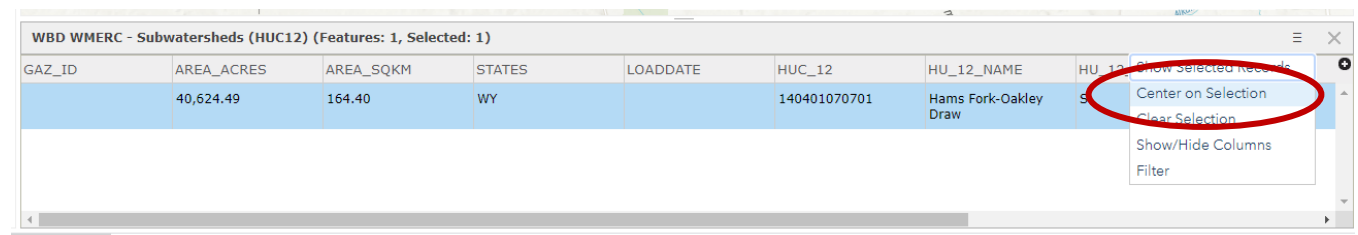
5) Click on the row in the table to select the HUC – it will turn blue.



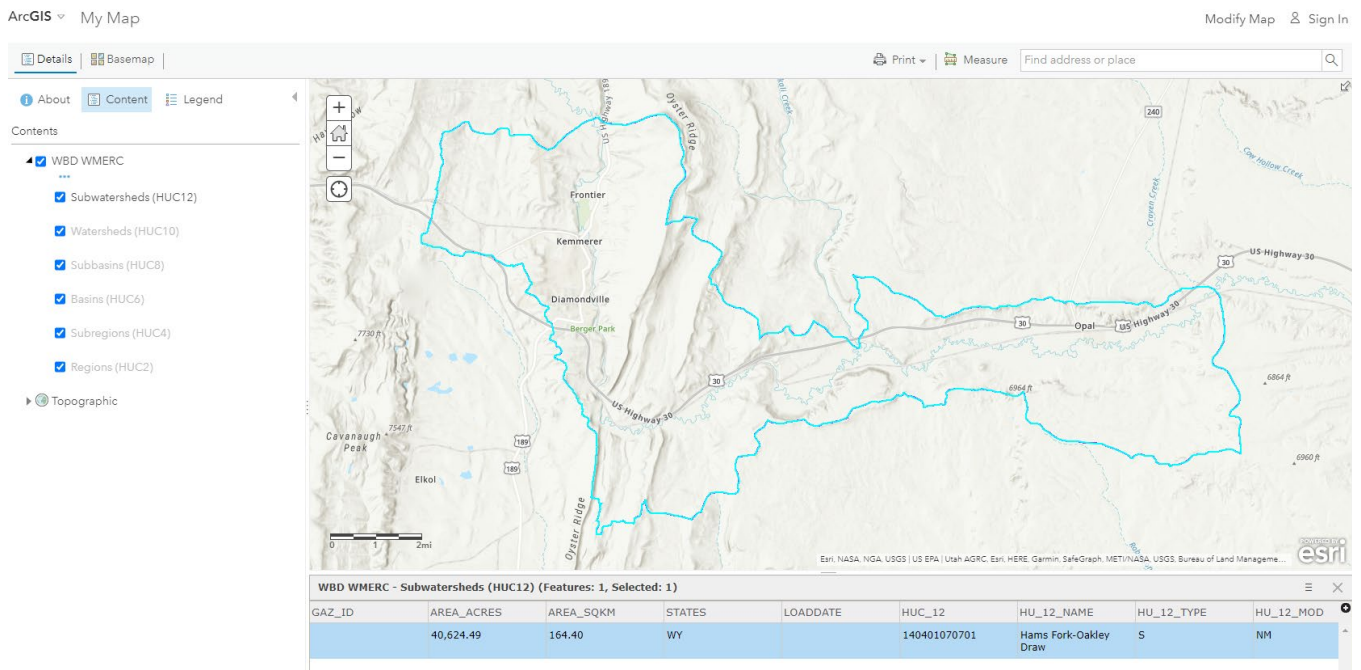
6) Click on the menu on the right side of the table; it is represented as 3 horizontal lines



7) Select *Center on Selection*



8) The map will zoom to the corresponding HUC, which will be outlined and highlighted in blue.

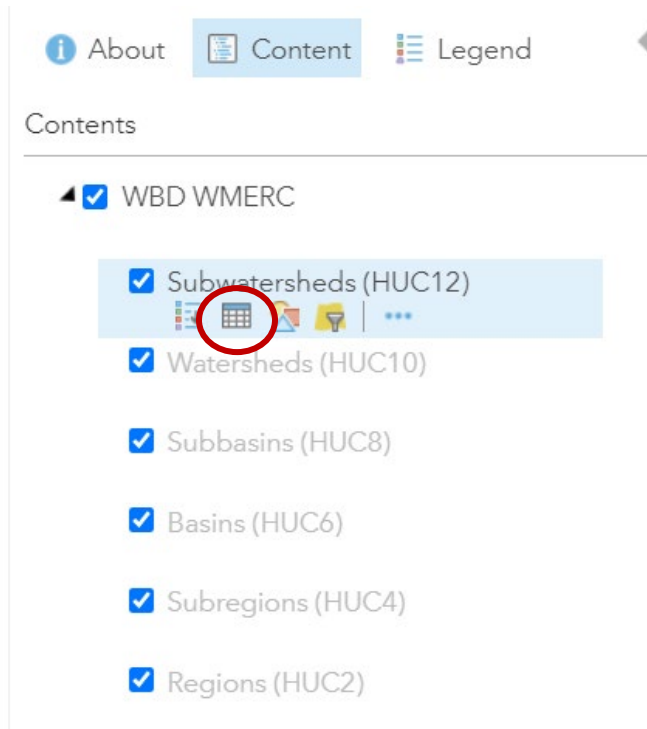


- 9) If this is the expected HUC12, proceed to the Input Data Server and use the HUC12 value to select the watershed data. If this is not the expected HUC12, but you are aware of the geographic location of the expected HUC12, follow the steps for Option 2, visually selecting the HUC.

OPTION 2

To confirm HUC number based on visual identification:

- 1) Zoom into the area of interest on the map. The *Subwatersheds (HUC12)* layer on the left will remain gray until sufficiently zoomed in. Zoom in until the label for *Subwatersheds (HUC12)* becomes black text.
- 2) Hover over *Subwatersheds (HUC12)* to bring up the icons
- 3) Select the table icon, and a table will appear in the lower portion of the map.

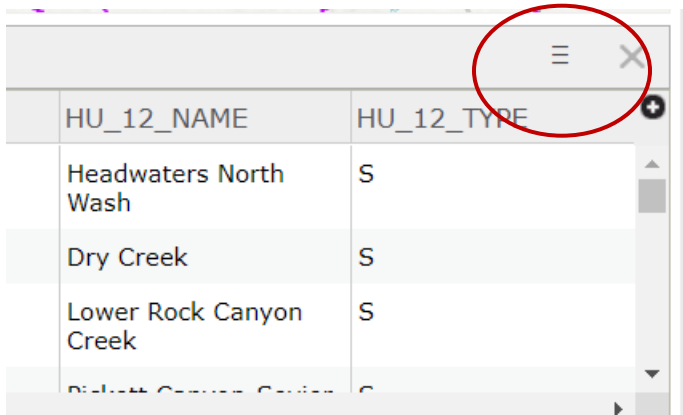


- 4) Click on the map within your area of interest. The HUC outline will turn blue.

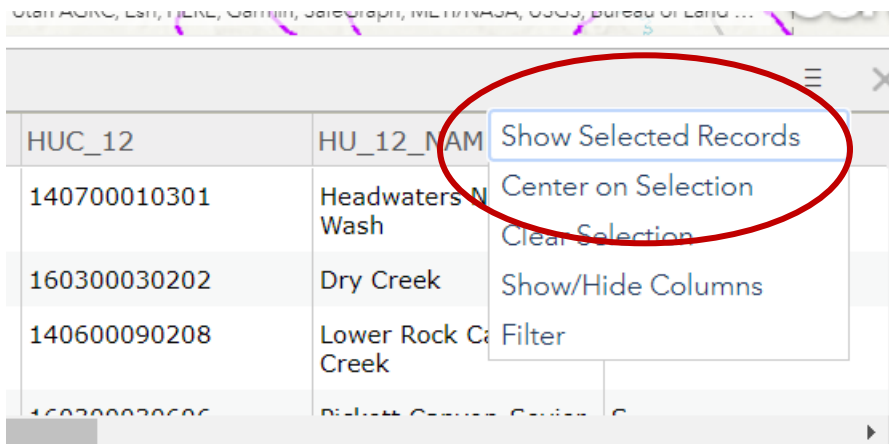
The screenshot shows the ArcGIS map viewer interface. The map displays the Fossil area in Utah, with the 'Subwatersheds (HUC12)' layer selected. A table of features is displayed at the bottom of the map, showing the following data:

GAZ_ID	AREA_ACRES	AREA_SQKM	STATES	LOADDATE	HUC_12	HU_12_NAME	HU_12_TYPE
	24,066.46	97.39	UT		140700010301	Headwaters North Wash	S
	12,497.77	50.58	UT		160300030202	Dry Creek	S
	20,459.17	82.79	UT		140600090208	Lower Rock Canyon Creek	S
	25,538.00	102.35	UT		160300030202	Headwaters North Wash	S

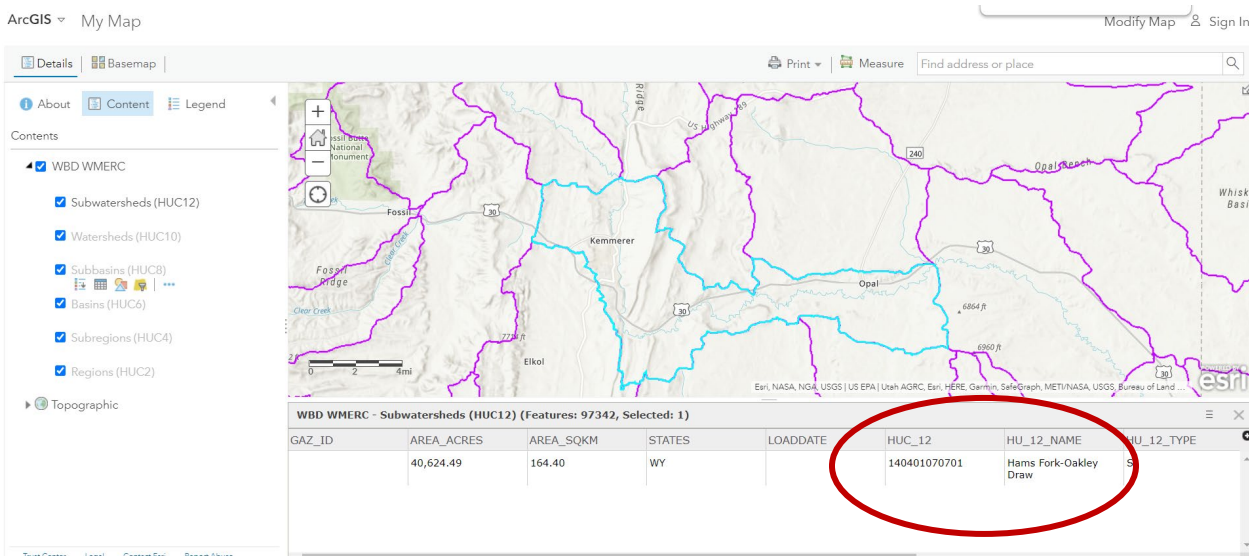
5) Click on the menu on the right side of the table; it is represented as 3 horizontal lines



6) Select *Show Selected Records* from the menu



7) The HUC name and number of the area selected will appear in the table. This is the HUC that should be selected from the input data server to obtain watershed data for the area of interest.



If neither Option 1 or 2 provides identification of the HUC12 for the area of interest, contact STEPL@tetrattech.com for additional assistance.