

Exercise 1: Exploring the REA Document

Learning Purposes

- How to access the report
- How to access map services using the report
- How to use the ArcGIS.com map service interface (briefly)

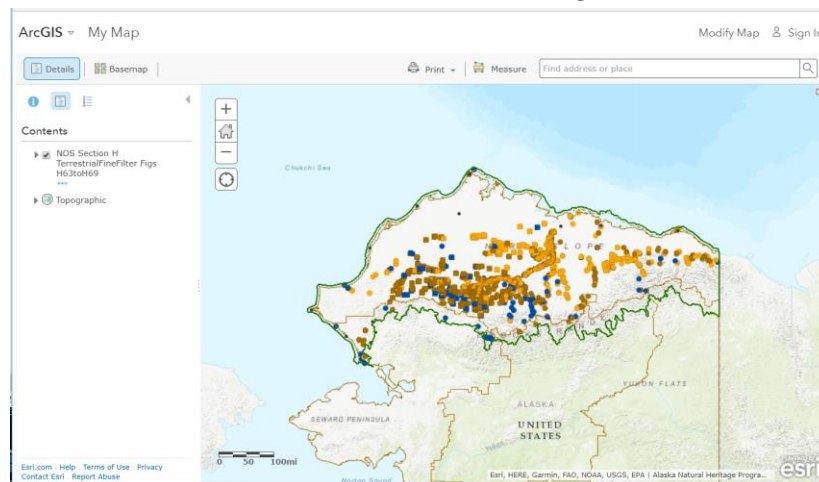
Part 1 – Access the report

REA reports and supplemental documents can be downloaded from the [REA Website](https://spp.blm.gov/programs/rea) (<https://spp.blm.gov/programs/rea>) or the Landscape Approach Data Portal (LADP). It is also located on your computer.

1. Go to **C:\tmp\REA\NOS\Docs**
 - a. Notice that the report is comprised on multiple PDF files.
2. Open the file called **NOS_REA_Report.pdf**. Display the Bookmarks to list Sections (A through K) in the Report.

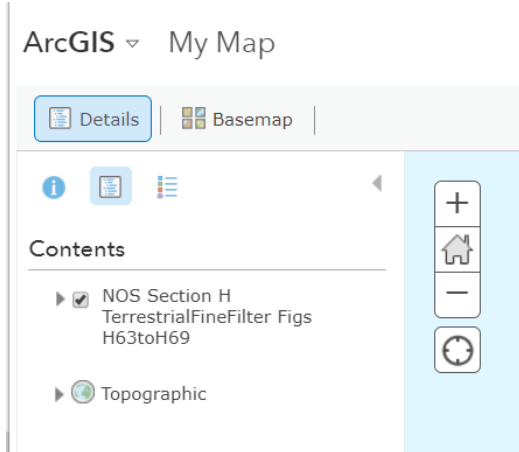
Part 2 – Open a map service

1. Go to page **166 (Section H12.6)** or **explore a figure that you are more interested in!**
2. You will see **Figure H-69**. Current, 2040 medium-development scenario, and 2040 high-development scenario landscape condition within the current raptor concentration areas in the North Slope study area.
3. Click anywhere on the figure
 - a. This will launch an ArcGIS.com map service that contains the data seen in those maps.
 - b. You will see an interface that is similar to the figure below.



- c. **When CYR is published**, you will be able to click on map figures in the report to have them launch in AGOL also. Until then you will receive an error.

Part 3 – Explore ArcGIS.com and the data



1. Click on the **Contents icon** on the left (under Details)
 - a. This opens an interactive Table of Contents for the map service where you can Turn on/off layers, Change the order of layers, Learn details about each layer
 - b. Each map service has several layers bundled that represent several Figures in the Report. The title of the map service will describe the Section and Figures that it represents.
 - c. Click the **grey drop-down arrow** next to NOS Section H Terrestrial Fine Filter Figs H63 to H69. What layers are included in this map service?
2. Click on the Legend icon to the right of the Contents icon
 - a. This opens a static legend that shows the layers that are turned on
3. Click on the **Contents icon**
4. Click layers on and off by checking and un-checking the boxes to the left of their names
5. Click on the **grey drop-down arrow** next to any layer
 - a. Click **Show Table**
 - i. This displays the attributes table of the layer where you can explore the fields and their values
 - b. Click on **Table Option** on the top right of the table
 - c. Click **Filter**
 - i. Perform a filter on any field in the table
 - ii. Remove the filter by clicking on **Filter**, then click **Remove**
6. Click on **Basemap**
 - a. This will display a menu of various basemaps that you can view
 - b. Click on any basemap and it will display underneath the layers
7. Click on **+Add** (You need to be logged into AGOL with your SAML account for this).
 - a. Select **Search for Layers**

- b. Select the a server to search from: select **In: A GIS Server**
 - i. **For BLM Alaska Internal**, <https://ilmakmaps.blm.doi.net/ArcGIS/rest/services>
 - ii. **For BLM Alaska External**, <https://gis.blm.gov/akarcgis/rest/services>
 - iii. **AK REA Services** are housed on different servers due to space constraints:
 1. **CYR**: not yet published by accessible by this group for the workshop:
https://ilmocop3ws24.blm.doi.net/reacyrarcgispub/rest/services/CYR_2013
 2. **CYR**: when published officially should be here:
<https://landscape.blm.gov/cyrarcgis/rest/>
 3. **NOS**: <https://landscape.blm.gov/nosarcgis/rest/services/>
 4. **SNK**: <https://landscape.blm.gov/snkarccgis/rest/services>
 5. **YKL**: <https://landscape.blm.gov/yklarcgis/rest/services>
 - iv. <https://ilmocop-ws1.blm.doi.net/arcgis> to search the **NOC EGIS server** (includes BLM national data services and NOC-hosted State services)
 1. Browse the list or type a keyword into the Find box
- c. **Check out this web page for other AK map services:**
https://ilmakmaps.blm.doi.net/data_map_services.aspx
8. Note how the layers within a map service are ordered and nested as this affects the order of display. If you need to change the order, you may need to **Add** layers separately from the map service. Click on a map layer to obtain the correct URL i.e.:
 - a. Map service example (for Minto Flats):
https://ilmocop3ws24.blm.doi.net/reacyrarcgispub/rest/services/CYR_2013/CYR_AE_C_CoarseFilterCEs_MintoFlats/MapServer
 - b. Map Layer (4) example from the map service (Large streams layer from Minto Flats):
https://ilmocop3ws24.blm.doi.net/reacyrarcgispub/rest/services/CYR_2013/CYR_AE_C_CoarseFilterCEs_MintoFlats/MapServer/4

Map Name: BLM REA CYR 2013 Aquatic Ecosystems Coarse Filter Minto Flats

[Legend](#)

[All Layers and Tables](#)

Layers:

- [Reference Layers](#) (0)
 - [CYR Analysis Boundary](#) (1)
 - [CYR BLM Field Offices](#) (2)
- [Lake Districts of Alaska](#) (3)
- [Large Streams](#) (4)
- [Small Streams \(Scale Dependent\)](#) (5)
- [Connected Large Lakes \(Scale Dependent\)](#) (6)
- [Connected Small Lakes \(Scale Dependent\)](#) (7)
- [National Hydrography Dataset Flowlines \(Scale Dependent\)](#) (8)
- [National Hydrography Dataset Waterbodies \(Scale Dependent\)](#) (9)
- [Hydrographic Area of Influence](#) (10)
- [National Elevation Dataset 2 Arc-second Digital Elevation Model Alaska Extent](#) (11)