

REA Data Portal User's Guide

Contents

How do I access the portal? 1

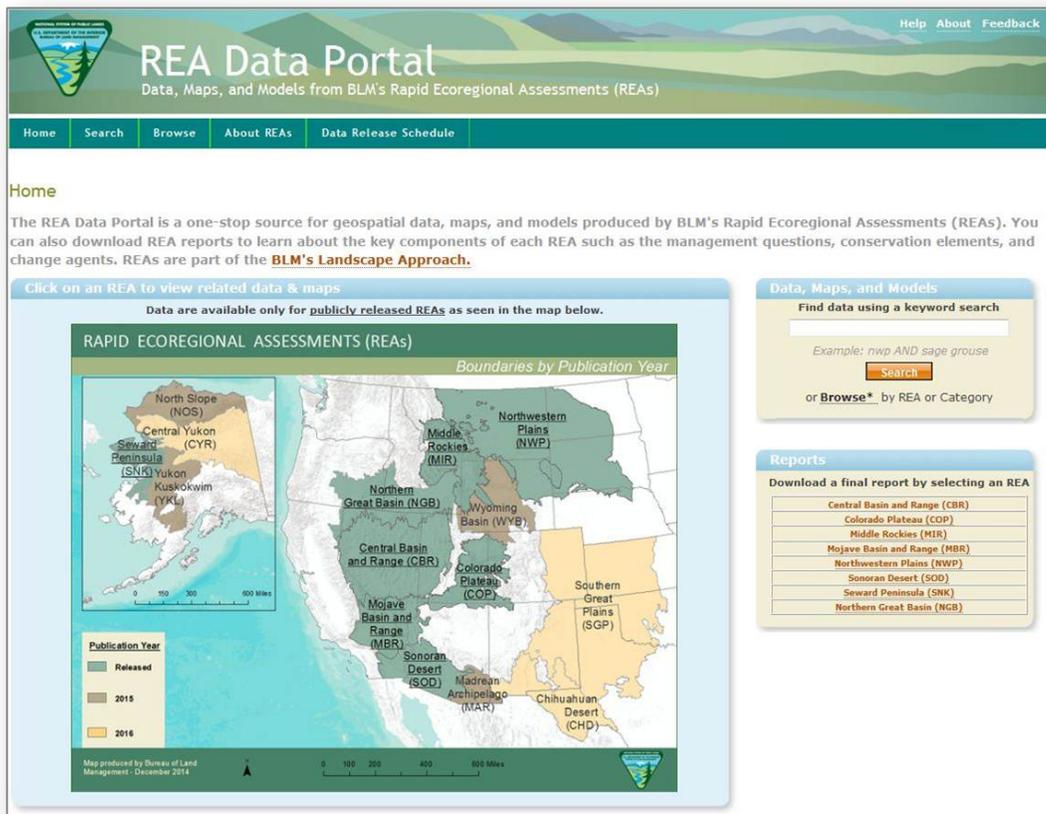
What is available on the portal? 2

Tips for searching the portal 3

How do I use EGIS Citrix to access ArcGIS Desktop or REA files? 5

How do I access the portal?

- Go to <http://www.landscape.blm.gov/geoportal> or click the image below
- The portal is publicly accessible and does not require a login



What is available on the portal?

The REA Data Portal is a one-stop source for the BLM's Rapid Ecoregional Assessments (REAs). There are five main content types available for REA products: data, map services, models, documents, and static maps. The table below describes each ones, including important information of file format and accessibility.

Content Type	Description	Formatting/Accessibility Information
Data 	Data can be downloaded directly from data portal.	<p>Data download files are packaged as either a layer package file (.lpx) or zipped file (.zip).</p> <p>Each package contains a data set, its metadata, and a layer file (containing symbology information to display the data). Once saved, unpack or unzip the data package to access the files within it.</p>
Map Services 	Map Services can be viewed directly from within the data portal using ArcGIS.com or through a Map Service (see the information below). Alternatively, click on a map in a final report to view it in ArcGIS.com.	<p>ArcGIS.com: Click on the ArcGIS.com hyperlink in the Map Catalog to view a map online. In ArcGIS.com, you can interact with the REA data, add additional data, and create a customized map. You do not need any GIS software to use ArcGIS.com, only Internet access.</p> <p>Map Services: If you would like to view a map through a specific application (such as ESRI ArcMap), click on the Map Service link in the Map Catalog. You will be directed to a Services Directory from which you can elect to view a map in ArcMap, ArcGIS Explorer, or Google Earth. You must have these applications installed first.</p>
Models 	<p>**Models are currently available only in draft format, to be used as a reference for the geoprocessing methods used in REAs. The models have not been fully documented and are not functioning executable tools.</p> <p>All non-proprietary geoprocessing models used in an REA are available for download through the data portal.</p>	<p>Models files are formatted as zipped files (.zip) that contain models and/or script files and supporting documentation.</p> <p>Models and script files, within the .zip files, come in a variety of formats, but are primarily ArcGIS Toolboxes (.tbx) and Python scripts (.py). To view the models or scripts, you must have the corresponding software applications installed first (e.g., to view a Toolbox file you need to use ArcMap or ArcCatalog).</p>
Documents 	Includes reports, memos and written documentation.	Documents are formatted as either Adobe .pdf or .zip files.
Static Maps 	Includes a variety of hard-copy maps such as the boundaries of REAs.	Static maps are formatted as either Adobe .pdf or .zip files.

Tips for searching the portal

Find products quickly by using the tips outlined below! Each blue dot in the screenshot below indicates a useful search function or feature. Read the corresponding description and tips in the table below.

The screenshot shows the search portal interface with the following callouts:

- 1**: Text input field containing 'caribou' and a 'Search' button.
- 2**: 'FILTER CONTENT TYPE' dropdown menu set to 'Downloadable Data'.
- 3**: 'Advanced Search' and 'Clear' links.
- 4**: 'Records shown from: This Site' section with a list of search sites (This Site, Data.gov, ArcGIS.com, GEO DAB) and a 'WHERE' section with radio buttons for 'Anywhere', 'Intersecting', and 'Fully within'.
- 5**: A map of Alaska with a red bounding box highlighting the search area.
- 6**: Search results list showing several records with links for 'Open', 'Website', 'Details', 'Metadata', 'Download', and 'Zoom To'.

1 Keyword Search	Tips																	
<p>Use keyword(s) to search for records. Here are some helpful hints:</p> <ul style="list-style-type: none"> You can use the 3-letter codes for REAs or the full name. Use the word AND to search for records based on two or more keywords. Use the word OR to search for records based on one of many keywords. Keywords are not case-sensitive but functions (AND, OR) are case-sensitive. Use wildcard (*) before and/or after a word or phrase. 	<table border="1"> <thead> <tr> <th>Search String</th> <th>Resulting records will have</th> </tr> </thead> <tbody> <tr> <td>bird</td> <td>the word "bird"</td> </tr> <tr> <td>*bird</td> <td>the letters "bird" with any prefix such as "_bird"</td> </tr> <tr> <td>bird*</td> <td>the letters "bird" with any suffix such as "bird_", "birds", "birders"</td> </tr> <tr> <td>grassland bird</td> <td>either or both words "grassland" or "bird", in any order</td> </tr> <tr> <td>grassland OR bird</td> <td>either or both words "grassland" or "bird", in any order</td> </tr> <tr> <td>grassland AND bird</td> <td>both words "grassland" and "bird", in any order</td> </tr> <tr> <td>"grassland bird"</td> <td>the exact phrase "grassland bird"; not the individual words</td> </tr> </tbody> </table>	Search String	Resulting records will have	bird	the word "bird"	*bird	the letters "bird" with any prefix such as "_bird"	bird*	the letters "bird" with any suffix such as "bird_", "birds", "birders"	grassland bird	either or both words "grassland" or "bird", in any order	grassland OR bird	either or both words "grassland" or "bird", in any order	grassland AND bird	both words "grassland" and "bird", in any order	"grassland bird"	the exact phrase "grassland bird"; not the individual words	
Search String	Resulting records will have																	
bird	the word "bird"																	
*bird	the letters "bird" with any prefix such as "_bird"																	
bird*	the letters "bird" with any suffix such as "bird_", "birds", "birders"																	
grassland bird	either or both words "grassland" or "bird", in any order																	
grassland OR bird	either or both words "grassland" or "bird", in any order																	
grassland AND bird	both words "grassland" and "bird", in any order																	
"grassland bird"	the exact phrase "grassland bird"; not the individual words																	

2 Filter by Content Type	Tips
<p>Filter the search results to a specified content type:</p> <ul style="list-style-type: none"> • Documents -- download written resources • Downloadable Data -- download geographic or tabular data • Live Maps Services -- view a live map and interact with the data • Models -- download a geoprocessing or statistic model file(s) • Static Maps -- download a 'hard copy' map file 	<p>Examples of content types:</p> <ul style="list-style-type: none"> • Documents -- reports, methods, summaries (.pdf, .docx) • Downloadable Data -- layer package (.lpk), zipped file (.zip), shapefile (.shp) • Live Maps Services -- ArcGIS.com map viewer • Models -- Python scripts (.py), ESRI ModelBuilder files • Static Maps -- hard copy maps (.pdf) <p>Instructions:</p> <ul style="list-style-type: none"> • Select a content type from the drop-down menu and click Search
3 Advanced Search	Tips
<p>Select additional options to refine search results:</p> <ul style="list-style-type: none"> • Data Category -- select an ISO category to filter records • Modified Date -- specify a range of dates to filter records • Sort -- sort results by Title, Content Type, Date, or Geographic Area 	<p>Examples of search options:</p> <ul style="list-style-type: none"> • Data Category -- Administrative and Political Boundaries, Cadastral, Imagery and Base Maps • Modified Date -- (yyyy-mm-dd) • Relevance -- select one option from the drop-down list <p>Instructions:</p> <ul style="list-style-type: none"> • Expand the Advanced Search box, select additional options, and click Search
4 Sites to Search	Tips
<p>Select one or more sites to search (conduct a federated search):</p> <ul style="list-style-type: none"> • This Site -- will search the REA Data Portal • ArcGIS.com -- will search ArcGIS.com (public records) • Data.gov -- will search metadata registered with Data.gov 	<p>Instructions:</p> <ul style="list-style-type: none"> • Check one or more boxes (sites) and click Search (select up to 5 sites). <ul style="list-style-type: none"> • The number of records found at each site will be listed to the right of the sites name. • The results will include records from all the selected sites (cumulative total). • To display results from only one site, click the site's hyperlinked name above the check boxes. • Records will include all content types (Downloadable Data, Live Map Services, etc.)
5 Geographic Search	Tips
<p>Filter the search results to a geographic area:</p> <ul style="list-style-type: none"> • Anywhere -- will return records without regard to location • Intersecting -- will return records that have a geographic extent that intersects the area within the map viewer's frame • Fully Within -- will return records that have a geographic extent that is fully within the frame 	<p>Instructions:</p> <ul style="list-style-type: none"> • To filter records by geographic area, select Intersecting or Fully Within. • In the map viewer, Zoom In/Out and/or pan to the area of interest. • Click Search at the top of the page.

6 View Records	Tips
<p>Search results are listed on the right side of the screen.</p> <p>Each record can be expanded to view a brief description and a variety of hyperlinks that allow the user to perform actions such as download, view, etc.</p> <p>The hyperlinks associated with each record will vary depending on its content type and the source of the record.</p> <ul style="list-style-type: none"> • Useful hyperlinks for <i>all</i> content types: <ul style="list-style-type: none"> • <u>Details</u> -- click to view information about the record • <u>Zoom</u> -- click to view the geographic extent of the record in the map viewer • Useful hyperlinks for <i>specific</i> content types: <ul style="list-style-type: none"> • Documents -- click <u>Open</u> to download the document file • Downloadable Data -- click <u>Download</u> to save the data • Live Maps Services -- click <u>Add to Map</u> to view the map in a map viewer • Models -- click <u>Open</u> to download the model file • Static Maps -- click <u>Open</u> to download the map document 	<p>Instructions:</p> <ul style="list-style-type: none"> • Click Expand Results to see a brief description of each record and the hyperlinks that allow you to perform actions (e.g., download, review, etc.). • Click a hyperlink to perform an action on the record (see Description to the left).

How do I use EGIS Citrix to access ArcGIS Desktop or REA files?

ArcGIS Desktop (BLM personnel only)

BLM personnel who do not have access to ESRI ArcGIS Desktop applications (i.e., ArcCatalog and ArcMap) can access them by logging into Citrix. Read the [Citrix User's Guide](#) to learn about how to access ArcGIS Desktop and REA products through Citrix.

All BLM Personnel:

- [Log into Citrix](#) to work directly with REA data, maps, and models whether you have a local installation of ArcGIS or not. Using Citrix will increase speed and performance.
- Before logging into Citrix, use the data, map and model catalogs to learn about what REA products are available to you. The catalogs provide an easily searchable format that does not require you to understand the directory structure or file naming convention used to manage the thousands of REA files.
- Files in the REA directory are read-only. You must save a local copy to edit it.
- [Log into Citrix](#) using your Windows Active Directory username and password.