

This is the Portal home page. This can all be plain HTML. All of the detailed portal links and explanations would be available by expanding the sections on the left. The few tasks we decide to focus on are in the middle. There's room for a pretty graphic at the bottom now.

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Map Viewer
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Framework Layers
Data Categories
Data Bundler
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Publish Your Data

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Montana Fish, Wildlife, and Parks

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After you log in, the panes on the left side will change a little bit according to the additional things you can do after logging in.

The 9.3 Portal doesn't have a list of the users' maps and searches on the home page, like the old Portal. I think they should be there. The My Searches and My Maps text should link to pages like the Manage My Searches and Manage My Maps pages on the 3.1 Portal. In the old Portal you can't re-name your maps and searches, but I think you should be able to.

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Here is the search results/advanced search page for a logged-in user.

Mostly its the same as the 9.3 results page, except the advanced search widgets from the old Portal have been brought over and the options from the old Portal for searching on multiple words have been added. The additional search options below the map should always be visible, so there isn't a link for showing/hiding them like in the 9.3 Portal.

The fonts in the different search sections aren't the same in this graphic, but they should be. Diane didn't think this graphic shows enough separation between the "Search" and "Where" sections. My initial thought is to put boxes around them like the 3.1 sections below the map.

All the site navigation links are in the header. The My Functions link could open a new page, it could be a drop-down list, or it could just be removed, and people would have to go back to the home page to access their functions.

The results for each record should just have one metadata option (the 9.3 Portal offers two), and they should have links for downloading the data OR adding it to the map, if both options are available in the metadata.

If a metadata record is for one layer out of many layers that are available in a service, the Add To Map link should add the service to the map AND TURN THE SPECIFIED LAYER ON.

There could be confusion about the Download link at the top of the page, which would take you to the Portal's Bundler-like interface, and the Download links in the layer results. Somewhere the distinction between "download pre-packaged files for THIS layer" and "select a region and download MANY layers" needs to be made.

Home | Logout | My Functions | Download | About | Feedback | Help

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Montana GIS Portal

Search

montana

Exact Phrase All words Any word

Where

Anywhere Intersecting Fully within

What

Data Category:

Type/Format:

Who

Publishing Organization:

When (use 'YYYY-MM-DD' format)

Anytime

Time Period: From: To:

Date Posted: To: After:

Sort results by:

My Saved Searches

Results 1-10 of 19 record(s) | 1 | 2 | > | Last

[Expand all](#) [Zoom to searched area](#) [Zoom to all results](#)

- [Montana Conservation Easements](#)
- [Montana Dams](#)
- [On-line Montana Natural Heritage Tracker](#)
- [Montana Fish, Wildlife & Parks \(FWP\) Fishing Access Sites](#)
- [Montana Public Land Ownership](#)
- [Montana Managed Areas](#)
- [National Wetlands Inventory for Montana](#)
- [Montana Color-Infrared Digital Orthophotography, 2005/2006](#)
This data set contains false color infrared (IR) orthorectified photos of Montana with the majority acquired in summer 2005 and a small portion acquired during summer 2006. The portion acquired in ...
[Add To Map](#) [Download](#) [Metadata](#) [Zoom To](#)
- [Montana Lakes](#)
- [Mule Deer Distribution in Montana](#)

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Here is what I would want a viewer based on the 9.3 Map Viewer to look like. It could alternately be based on the Heritage Tracker.

The menus across the top could probably be almost identical to the 9.3 viewer's menus. The first three sections to the left of the map are from the 9.3 viewer. There are two new sections, "Search for Location" section that would be just like in the Tracker, and a "Position Data" section to display the information people now expect from the Topofinder. The "PortalBaseMap" section of the table of contents would receive layers that are available from our SDE services, and each map service the user adds would have its own section.

The Map Viewer has a "Log In" link, which I don't think the 9.3 viewer has. It should probably have Help and Feedback links.

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Montana GIS Portal
MAP VIEWER

MAP | VIEW | SELECTION | TOOLS | PREFERENCES | Log In

Table of Contents

- PortalBaseMap
 - State Boundary
 - Towns
 - Highways
 - Streams
 - Lakes
 - Counties
 - Public Lands
- raster_svc
 - COLOR INFRARED 2005
 - COLOR NAIP 2005
 - BUTTE HIGH RES
 - FLATHEAD COUNTY HIGH RES
 - HELENA HIGH RES
 - CITIES 2004 HIGH RES
 - DRG 250k
 - DRG 100k
 - DRG 24k

Overview Map | Search for Data | Search for Location | Position Data

This is what the Portal could look like if someone came in using the old Topofinder link. The Table of Contents would be loaded with the same layers and default scale dependencies as the Topofinder. Maybe it would have a different title than the default map viewer, as shown here.

The Map Center selection would turn on the map center cross and cause the display to show the coordinates of the cross, ready to be copied and pasted. If you select the Continuous selection the coordinates would update constantly as you move the cursor.

The Position section could be named Topofinder or Coordinates instead.

The Download links at the bottom left show the date of the map or air photo under the cursor. I think it is very important that this be shown somewhere. If a topo map or air photo layer is turned on, it would be nice to have the date of the image under the cursor shown on the status line.

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TOPOFINDER

MAP VIEW SELECTION TOOLS PREFERENCES Log In

Table of Contents
 Overview Map
 Search for Data
 Search for Location
 Named Features
 Map Name Search (24k)
 Map Name Search (100k)
 Township and Range
 Lat/Long Decimal Degrees
 Lat/Long Degrees Dec. Min.
 Lat/Long Degrees Min. Sec.
 State Plane Coordinate
 UTM Coordinate
 National Grid Coordinate
 Position Data
 Map Center + NAD 83
 Continuous O NAD 27
 Longitude/Latitude
 -113.53966 48.6866
 Eastings/Northings
 Montana State Plane
 302735 500916
 UTM Zone 12
 313074 5395960
 US National Grid
 12U UU 13074 95960
 Township/Range/Section
 34N 15W 23 SESW
 Download 24K Quadrangle
 Rising Sun (1968)
 Download 100K Quadrangle
 Saint Mary (1982)
 Download NAIP 2005 Tile
 Tile 1705 (7/31/2005)

This shows what the Digital Atlas might look like. The user might have selected the highlighted watershed and chosen the layers to show on the map with Portal or Map Viewer tools, or they might have come through a front end like the old Digital Atlas and ended up being presented with this map.

The Select Report Layer drop-down is populated with layers from the current Table of Contents that the Digital Atlas thinks it can write reports for, and it could have an "add data" option to start a search for other "reportable" layers.

The user has the option to get a report on all the wells on the map or just the wells inside the select watershed. The option for Selected Records is grayed out because the user has not selected any wells. If there were no selected polygon, that would be grayed out also.

In this example, the Digital Atlas should know about the three reports available for groundwater wells from the old Digital Atlas and ask the user which report to view after they push the Report button. An additional option would be to use the current ArcMap-like functions of the Portal Map Viewer to generate a custom report.

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DIGITAL ATLAS

MAP VIEW SELECTION TOOLS PREFERENCES Log In

Table of Contents
 Map Layers
 Groundwater Wells
 Highways
 Roads
 Watersheds
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 COLOR INFRARED 2005
 COLOR NAIP 2005
 BUTTE HIGH RES
 FLATHEAD COUNTY HIGH RES
 HELENA HIGH RES
 Overview Map
 Search for Data
 Search for Location
 Position Data
 Reports
 Select Report Layer
 Groundwater Wells
 Select Records for Report
 Records in Map Window
 Records within Selected Polygon
 Selected Records
 Generate Report