

How to Use the MLRS Research Map to Look for Surface Mining Operations (Plans and Notices)

This document will cover the specific navigation and layer selections needed to specifically find Surface Mining Operations via the MLRS Research Map. For a general overview of using the map, please view this help article: https://mlrs.blm.gov/s/article/How-to-Use-the-Map

Jump to sections:

- What Layer Adjustments do I make to see only Surface Mining Operations?
- How do I use the Information Icon to see more details and access more links?
- Where can I view the Map Key/Legend?
- How do I make certain map layers more visible?
- How to I save my location & settings for future use?

Go to https://mlrs.blm.gov/s/

It is advised that users register and 'Log in' to save map settings for future use; however, it is not required.

Click 'Research' in the top center of the screen.

View with unauthenticated use (not logged in):



View for an authenticated (logged in) user:



Scroll and Pan or use the search bar within the map to navigate to an area of interest.



If desired, select a Base Map to your preference.

Layer Adjustments:

Next, we'll address Layers adjustments which are necessary to focus in on surface mining activities (Plans and Notices).

By Default, the following layers are selected (turned on) when accessing the MLRS Research Map:

- BLM Administrative Areas
- BLM Public Land Survey System
- State and Local Administrative Boundaries (State and Local Admin)

Although the master layers for the different BLM Case Groups are not selected, the sublayers for all Active/Authorized case dispositions are turned on by default. **It is important to know that surface mining activities falls under the 'Solid Minerals' master layer.**

- 1. Expand the Solid Minerals master layer by clicking on the arrow on the left side.
- Expand each sub-layer ending in 'Case Disposition' and deselect/turn off unless you want to see those cases. Repeat for Coal, Non-Energy Leaseables, Saleables Free Use, Saleables Competitive, Saleables Non-Competitive, Saleables Community Pits, Saleables Common Use Areas, Saleables Exploration Permits, Oil Shale. The sub-layer that should be left on is Locatables – Case Disposition. Expand this layer and select/check Pending and/or Closed cases if that is of your interest.
- 3. Expand the 'Locatables Authorized Operations' sub-layer. Select/check 'Notices' and/or 'Plans' if desired.
- 4. When finished, check the box next to Solid Minerals to turn on the master layer and all of the sub-layers you left selected.

Layers

▷ □ Fluid Minerals						
Solid Minerals 1. Expand Solid Minerals Master Layer						
Coal - Case Disposition 2. Expand any sub-layers ending in 'Case Disposition'	≣ …					
Authorized/Interim Uncheck/De-Select those you do not want to see						
Pending						
Closed						
▶ Coal Authorization Type	≣ …					
Non - Energy Leaseables - Case Disposition 2. repeat process for						
Authorized/Interim Authorized/Interim Iayers ending in 'Case Disposition'						
Pending						
Continue down the list						
Closed						

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\times Layers 2. Expand the Locatables -Locatables - Case Disposition ≣ … Case Disposition sub-layer. Select the specific case Authorized/Interim ... dispositions (statuses) you want to see in regards to Pending . . . surface mining operations Closed . . . Locatables - Authorized Operations ± ••• 3. Expand the Locatables -Authorized Operations sublayer. Plans ... Select the specific types of Notices cases (Plans and/or Notices) . . . that you would like to see. ± ... Authorized/Interim . . .



Using the Information Icon to get More Details

You can use the information icon ⁽¹⁾ to get more information about layers in an area you click on the map.

Click the information icon, then click an area on the map. An inset window will appear in the bottom left of the map. The inset window will allow you to select or page through all of the layers that intersect the area you clicked.

To view the information specific to surface mining operations, look for 'Locatables – Authorized Operations...' or 'Locatables – Case Disposition...' in the results list. A polygon for the selected result will be highlighted in blue.



If you want more information about a case, copy or note the Case Serial Number. You can then obtain the Serial Register Page for the case using that serial number, at: <u>https://reports.blm.gov/report/MLRS/127/CR-Serial-Register-Page-All-Other-Products/</u>

Or use the links provided in the informational inset to access the case specifically in the MLRS Community, or to be routed to the Serial Register Page for the case.

Additional tips:

Viewing Map Key/Legend

To see the key/legend for a specific layer, open up the layers menu on the bottom right, navigate to the sub-layer you would like to see, and click the icon that looks like a bulleted list.

Layers





Key/Legend for layers related surface mining activities (for reference):

Authorized/Interim	
Pending	
Closed	
Authorized/Interim	Plans Notices
Pending	Plans
Closed	☑ Notices

Making Layers More Visible (adjusting opacity):

Because so many layers are available within the MLRS Research Map, many layers are very opaque or transparent by default. To make a layer more obviously visible (a good example is the Surface Management Agency Layer) click the three dots next to the master layer name, then increase the opacity. This can be done with any master layer or at a sub-layer level.

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Layers

▷ □ Surface Management Agency	
∠ Labels on/off	
∧ Increase opacity	
✓ Decrease opacity	

2S 24	E 25	25E 2S 26E	2S 27E	2S 28E	-+	2S 24E	2S 25E	2S 26E	2S 27E	2S 28E
3S 24	E 3S	25E 3S 26E	3S 27E	3S 28E	-	3S 24E	3S 25E	3S 26E	3S 27E	3S 28E
45 2	Be	efo)re	4S 28E		45 24E	A	4 4	er	4 <mark>5</mark> 28E
5S 24	E 55 3	25E 5S 26E	5S 27E	IS 28E		5S 24E	5S 25E	5S 26E	5S 27E	iS 28E
6S .!4	E 65:	25E 6S 2 3E	6S 27E	6S 28E		6 5 !4E	6 S 25E	6S 2.3E	6S 27E	6S 28E
7S 24E	7S 25E	75 26E	7S 27E	7S 28E	75	24E	7S 25E	7S 26E	(S 27E	7S 28E
8S 24E	8S 25E	85 26E	US 27E	85 28E	85	24E	8S 25E	8S 26E	US 27E	85 28E

Saving your map view/settings by bookmarking

(Only available with an authenticated/logged in account)

If you wish to periodically revisit and review similar information, having an authenticated account (what we call someone who has registered and is able to log in) can save a lot of time in having to make the layer adjustments in the future.

With an authenticated account, you can save Bookmarks in the Research Map which will preserve your layer selection and location. You can save multiple bookmarks and give them a custom name.



Repeat to save additional bookmarks.

After at least one bookmark has been saved, a down arrow appears below the bookmarks icon. Click this arrow to access your previously saved bookmarks.

