

Guide to using the Geoscience Atlas

1. Using the following link (<https://gis.geosurv.gov.nl.ca/>) will bring you to the homepage of the Geoscience Atlas. Clicking on either the map of the province or the hyperlink below 'Geoscience Atlas' will launch the program.

Department of Natural Resources

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Contact us at:
GeoScienceOnline@gov.nl.ca

This site is best viewed with up to date browsers

2. Following the prompts, this will bring you to the program interface. Ensure the **Mineral Lands Layer** is selected under the **Contents** tab.

Note: Turn off other layers not being used or the interface will take longer to load

Geoscience Atlas

Contents

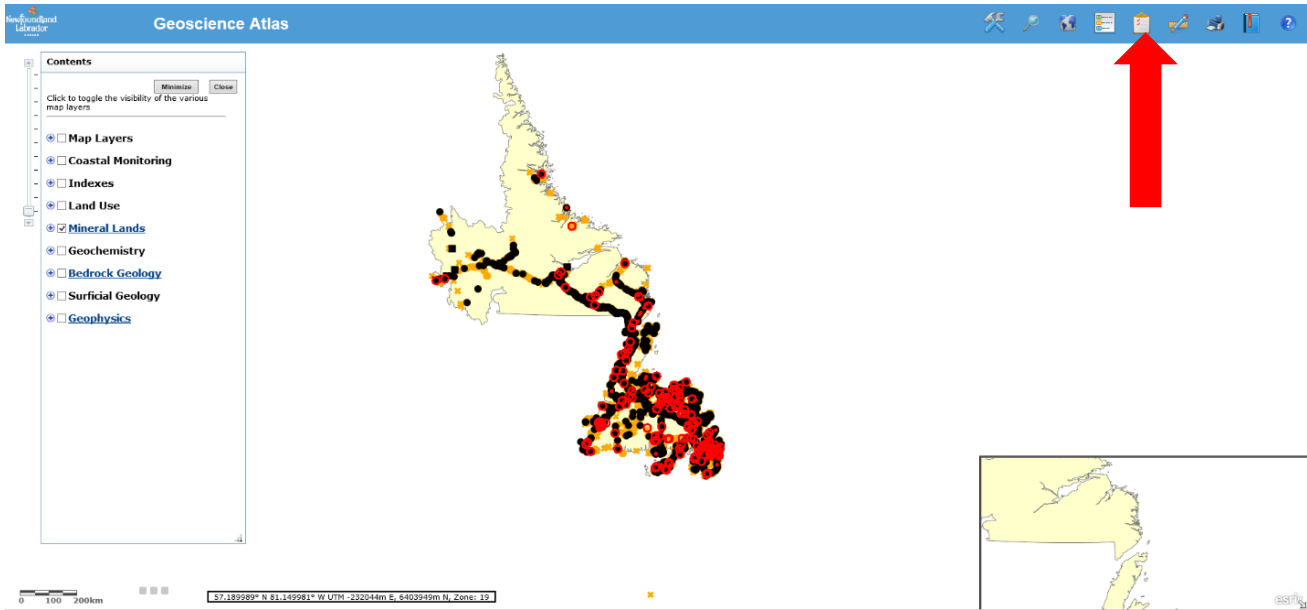
Click to toggle the visibility of the various map layers


- Map Layers
- Coastal Monitoring
- Indexes
- Land Use
- Mineral Lands
- Geochemistry
- Bedrock Geology
- Surficial Geology
- Geophysics

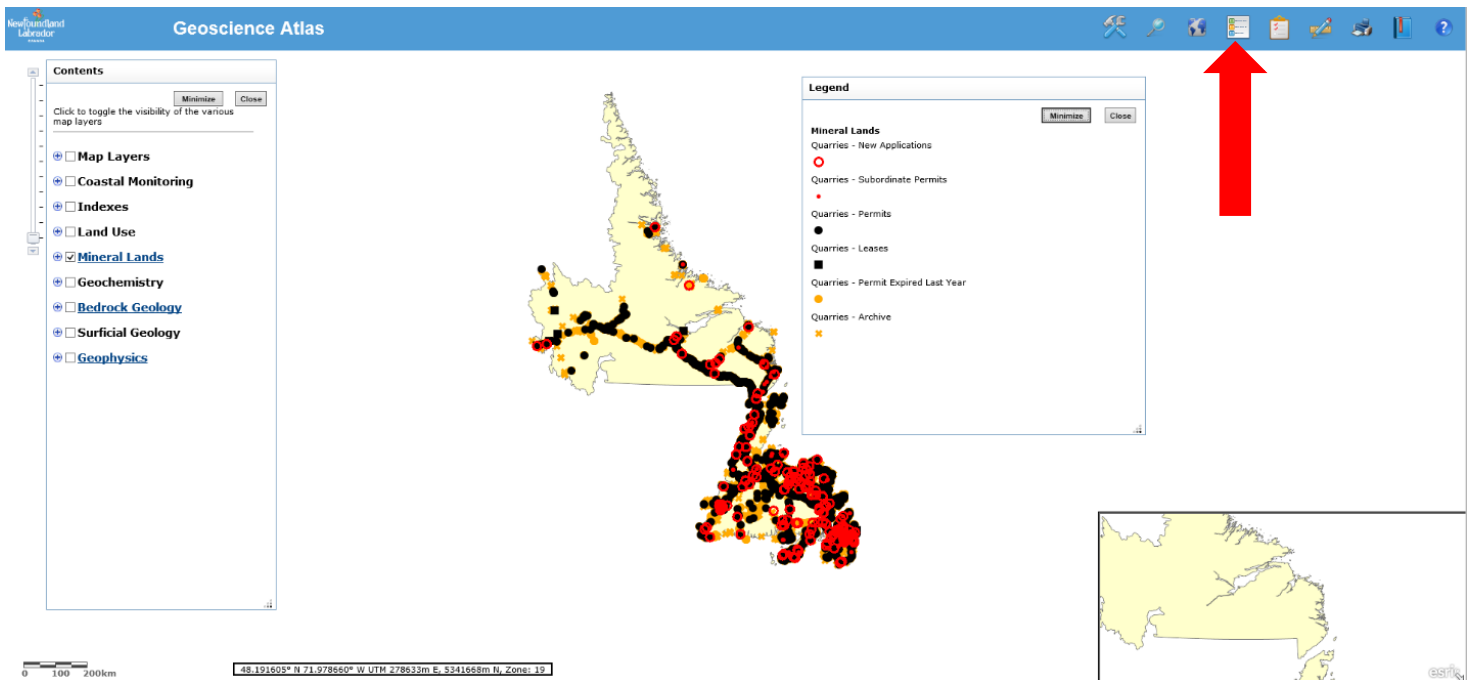
100 200km

49.018377° N 69.237485° W UTM 482635m E 5429291m N, Zone: 19

If the Contents tab is not open, select the **clipboard**  located in the toolbar found at the top right corner of the screen.



3. You will see a number of different symbols once the **Mineral Lands Layer** is selected from the **Contents** tab. By selecting **Checklist**  located at the top right corner of the screen, a legend will appear.



Contents

Minimize

Close

Click to toggle the visibility of the various map layers

4. By expanding the **Mineral Lands Layer** under the contents tab, deselect items you do not wish to see. (i.e If you only wish to view New Applications)

Map Layers

Coastal Monitoring

Indexes

Land Use

Mineral Lands


- Map Staked Claims
- Original Boundaries
- Historical Claims
- Mineral Rights Cancelled
- Notices Gazetted
- Mineral Tenure
- [Quarries - New Applications](#)
- [Quarries - Subordinate Permits](#)
- [Quarries - Permits](#)
- [Quarries - Leases](#)
- [Quarries - Permit Expired Last Year](#)
- [Quarries - Archive](#)

Geochemistry

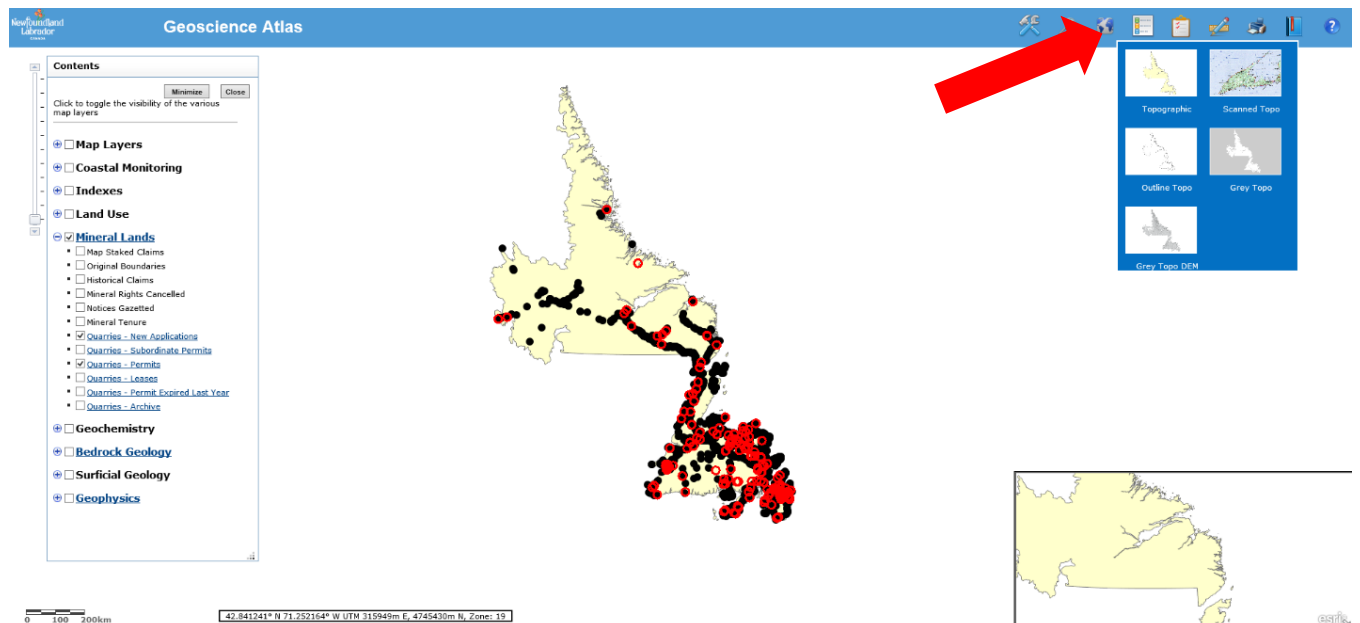
Bedrock Geology

Surficial Geology


Geophysics

5. To change the map, select the **Globe**  symbol from the toolbar located in the top right corner of the screen.

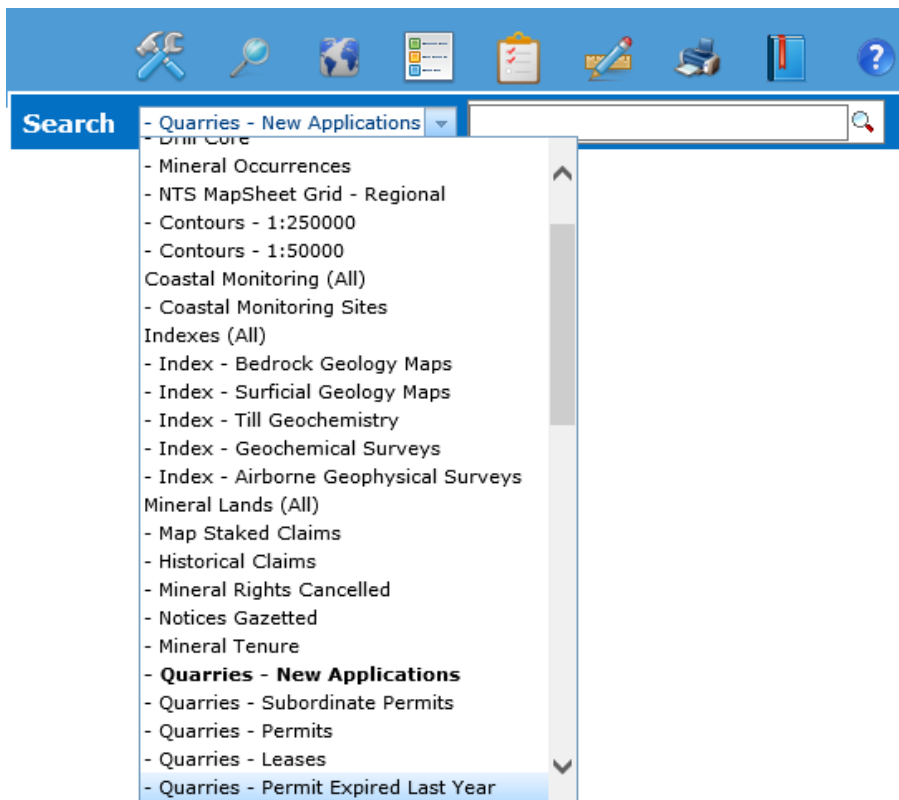
This will allow you to view either a Topographic Map, Scanned Topo (1:50,000), Outline Topo, Grey Topo or a Grey Topo DEM



The screenshot displays the Geoscience Atlas web application. On the left, the 'Contents' panel is open, showing a list of map layers. The 'Mineral Lands' layer is expanded, and several sub-layers are checked. The main map area shows a map of the Philippines with various colored markers and lines. In the top right corner, a toolbar contains several icons, with a red arrow pointing to the 'Globe' icon. A dropdown menu is open, showing five map style options: 'Topographic', 'Scanned Topo', 'Outline Topo', 'Grey Topo', and 'Grey Topo DEM'. At the bottom of the screen, there is a scale bar (0 to 200 km) and a coordinate box showing '42.841241° N 71.252164° W UTM 319949m E, 4745430m N, Zone: 19'.

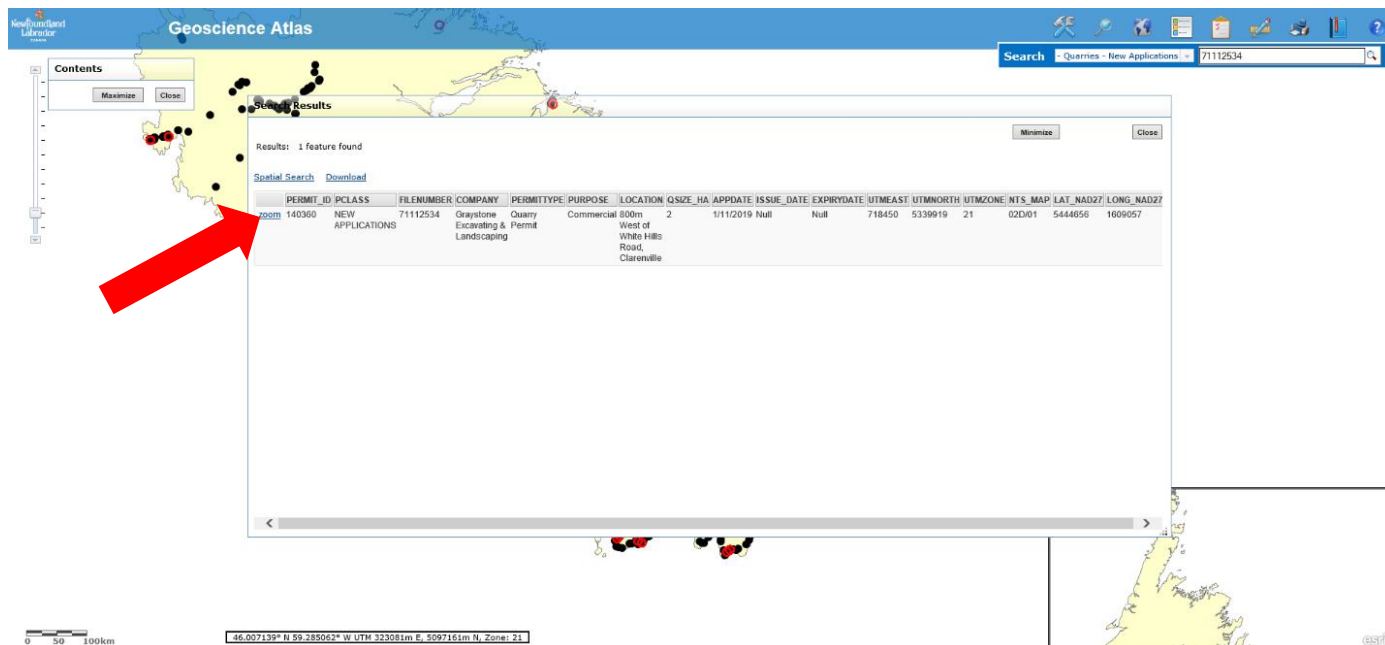
- To search for a quarry, select the **Search**  tool in the toolbar. Select from the drop down menu the class of quarry you are looking for (i.e new application, subordinate permit, a Permit issued for this year, a quarry lease, a permit that expired last year or an archive permit)

Note: You can select **Mineral Lands (All)** if you are unsure of the class of a permit

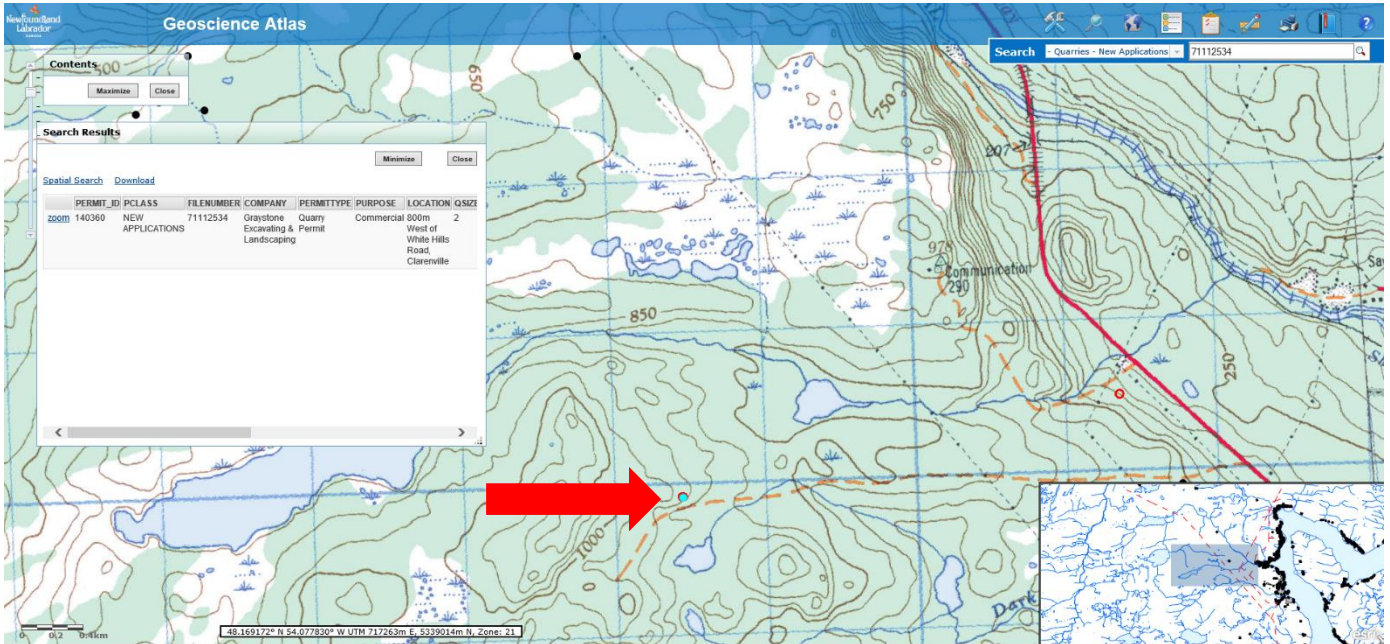



- Typing in the file number into the search bar, will bring up a table with information amount the permit such as the class, the company name, purpose, location, size and location.

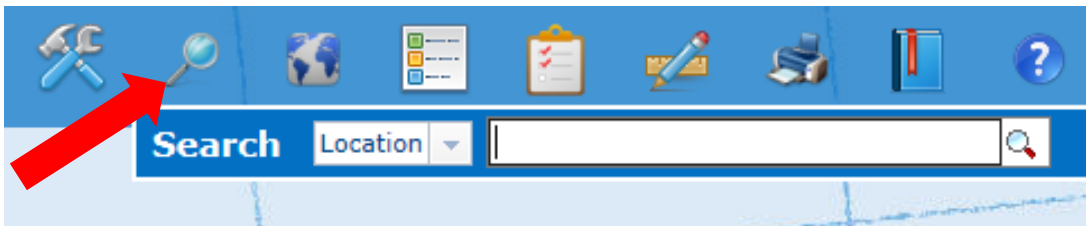
Select **Zoom** to view the location of the quarry on a map



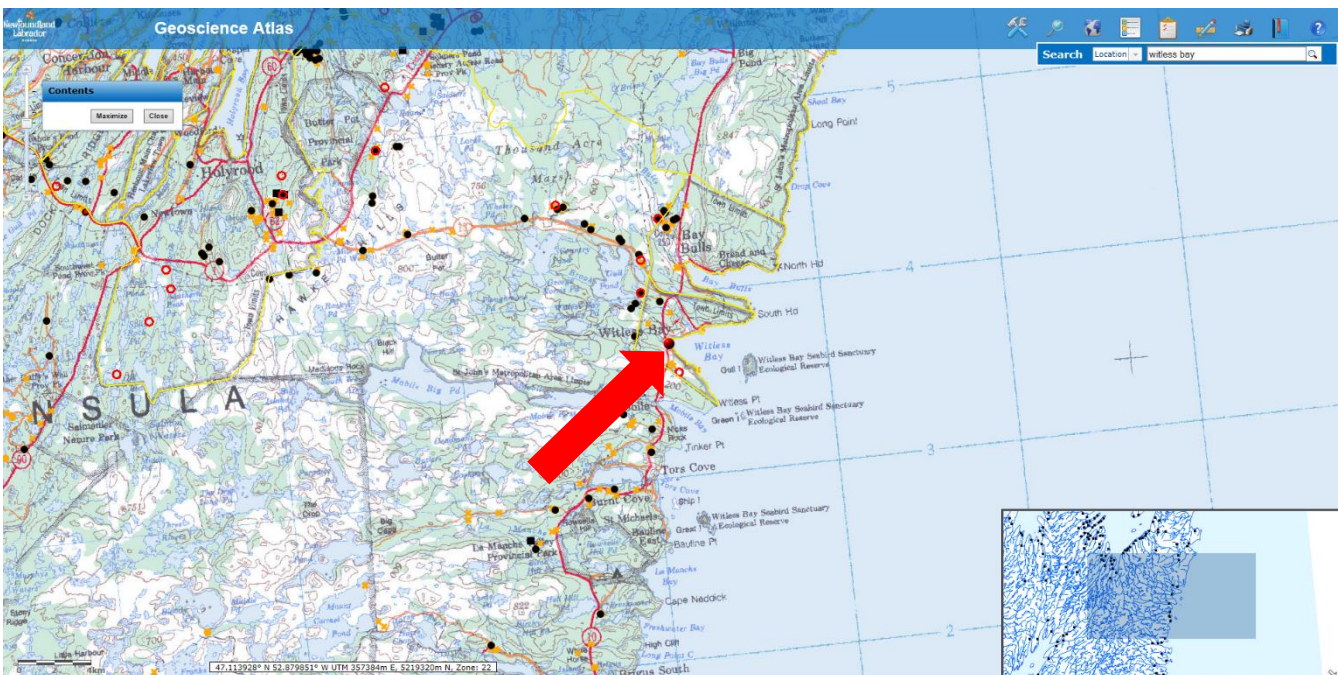
8. The location of the quarry permit searched for is indicated by the blue dot.
 - This example shows the location of the quarry on the scanned topo map option (1:50,000)



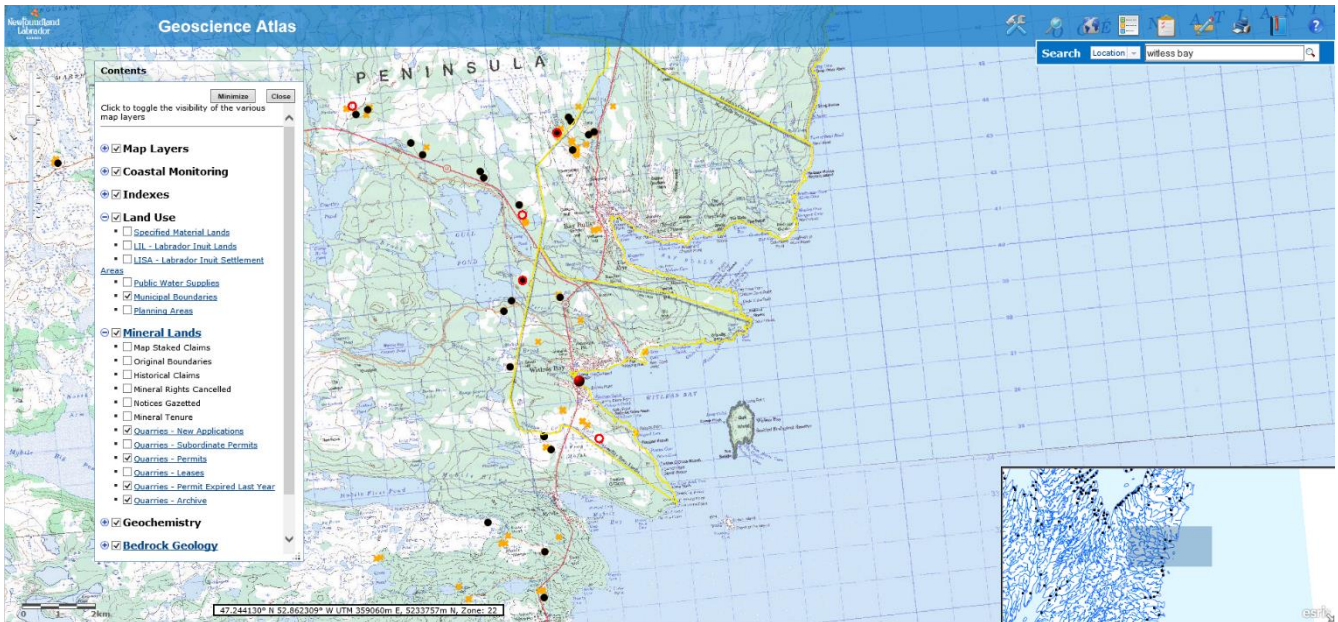
9. To search for a quarries in a given area, select the **Search**  tool in the toolbar. Select from the drop down menu **Location**



10. Typing a location into the search bar (e.g. Witless Bay) will bring you to the area. The general location will be indicated with a red dot 

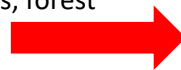


11. All new applications, issued and expired permits will be visible for the area and surrounding area searched for. Expanding the **Mineral Lands Layer** under the contents tab, you can select the class of quarry you wish to see (i.e only currently issued permits for the area)



12. Features of the **Contents Tab**:

By expanding the **Map Layers** section, water lines, road networks, forest access roads, transmission line etc. can be viewed on the map.



By expanding the **Land Use** section, public water supplies, LIL and LISA areas, municipal boundaries etc. can be viewed on the map.

