

Digital Mapping Standards for Exploration and Mining

The following elements must be included in all maps submitted to the regulators, Mineral Tenure and Exploration Branch or Major Mines and Technical Services Branch, as required under a permit.

Map elements	
Computer generated	All maps must be computer generated. Hand-drawn maps and digital maps with hand-drawn alterations will not be accepted.
Page size	Full-page maps are required. Letter size (8.5 x 11 inches) is preferred. Legal size (8.5 x 14 inch) and tabloid size (11 x 17 inches) will be accepted for illustrating large or complex areas where letter size is impractical. Maps of large areas that would require larger pages to show the required details at an acceptable scale may be divided into separate maps. In such cases, please include an additional overview map or inset map showing the location of the subdivided maps.
Coordinate system and map graticule or grid	Create the map in one of the accepted projected coordinate systems (either NAD 1983 Yukon Albers or UTM). A grid matching the coordinate system used in the map must be included and labelled along the edge of the map area with either NAD 1983 Yukon Albers, latitudes and longitudes or UTM eastings and northings and zone.
Metric units	All maps must use metric units for all measurements displayed on the maps. For example: • Volumes – cubic metres or tonnes • Disturbance area – hectares or square metres/kilometres • Linear disturbance – metres or kilometres
North arrow	Include a north arrow to indicate true north.
Scale bar and ratio	Use appropriate scales to ensure all map features are clearly visible on each map. Maps of large areas must be to an acceptable scale and



	may be divided into separate maps. In such cases, please include an additional overview map or inset map showing the location of the subdivided maps.
Map title and metadata	All maps must include a discrete title block with space for the following information: • Map title • Permit or approval number • Map creation date • Projected coordinate system (either NAD 1983 Yukon Albers or UTM with Zone)
Mapped features	Maps should typically include the following: • Claims • Permit boundary • First Nation Settlement Lands • Mine plan design (i.e., where specific activities will occur) • Existing infrastructure • Any avoidance areas

A map can be generated using the [GeoYukon](#) application, which will allow you to include all the required map elements listed above.

While it is typically not required, you may wish to submit a geospatial file (shapefile or kml/kmz file). Shapefiles may be submitted to illustrate the project area, specific boundaries, liner features, etc.

For help on how to export a shapefile or kml/kmz file using Avenza, see the [Import the mining claim map to Avenza infosheet](#).

Wetland mapping requirements

As an operator, you may have specific conditions of your permit that pertain to wetlands. For example, you may be required to provide a map indicating where wetlands are located on your claims and what class of wetland (bog, fen, marsh, swamp or shallow water). You may also be required to indicate where wetlands have been previously disturbed. If wetland information is not already available for your project area, you may be required to map wetlands through a physical assessment.

Wetland and disturbance mapping enables the Mineral Tenure and Exploration Branch, Major Mines and Technical Services Branch, Compliance Monitoring and Inspections Branch and other parties consulted in the authorization process to clearly understand the proposed activities with respect to current site disturbance and overlapping wetlands.

The map must include:

- existing disturbance
- wetland areas indicating the class of wetland
- revegetated areas and areas where reclamation activities are ongoing
- claim block outline
- permit boundary
- First Nation lands
- feature to indicate location

While not typically required, you may wish to submit a geospatial file (shapefile or kml/kmz file).

Indian River wetlands

The Government of Yukon has completed wetland mapping in the Indian River valley. This is a resource that can be used by the public. As more resources become available, they will be linked below.

<https://yukon.ca/en/science-and-natural-resources/mining/view-map-indian-river-wetlands>

What happens after I submit my map?

If you submit a map to satisfy a condition of your permit, the Government of Yukon will review your map to ensure it meets the requirements above and contains all necessary and relevant information. The branch will follow up with you to confirm that your map has been reviewed and, if necessary, request additional information.

FOR MORE INFORMATION, PLEASE CONTACT:

mining.gis@yukon.ca.

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