














Northwest Boreal Landscape Conservation Cooperative

Anthropogenic Footprint Mapping

Legend – Data Sources and Explanations – Mining

Icon	Feature	Data Sources	Description
   	<p>Major Mines</p> <p>Producing</p> <p>In Development</p> <p>Recently Closed</p> <p>Abandoned</p>	<p>Alaska – Alaska Dept. of Natural Resources (ADNR) http://dnr.alaska.gov/mlw/mining/largemine/</p> <p>British Columbia – Ministry of Energy and Mines http://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/bc-mine-info</p> <p>Northwest Territories – NWT Geomatics http://www.geomatics.gov.nt.ca/wms_chartop.aspx?i=1</p> <p>Yukon – Department of Energy Mines and Resources DEMR – http://www.emr.gov.yk.ca/mining/major_mine_licensing.html http://www.emr.gov.yk.ca/aam/location_type_two_mines.html Geomatics Yukon - http://www.geomaticsyukon.ca/data</p>	<p>Large mine projects which are currently operating, nearing production, and mines which have temporarily or recently ceased production. Some mines are entirely aboveground, open-pit facilities while others are underground with surface processing.</p>  <p><i>Minto mine, Yukon 240km NW of Whitehorse</i></p>
 	<p>Historic Mines</p> <p>Alaska Placer</p> <p>Past Producer (AK, BC, YT)</p>	<p>Alaska – Alaska Resource Data File (ARDF) – US Geological Survey https://ardf.wr.usgs.gov/index.php</p> <p>British Columbia – Ministry of Energy and Mines http://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/bc-mine-info</p> <p>Yukon – Department of Energy Mines and Resources http://www.emr.gov.yk.ca/mining/major_mine_licensing.html Geomatics Yukon - http://www.geomaticsyukon.ca/data</p>	<p>Inventories of historic mines, prospects, and occurrences cataloged by the United States Geological Survey.</p>
	<p>Mining Footprint</p>	<p>Alaska and Canada - Alaska Center for Conservation Science, University of Alaska Anchorage (ACCS – UAA).</p>	<p>Digitized visible surface disturbance (vegetation removal, terrain alteration) using mining data sources (point and polygon) listed here and best available imagery, typically 2.5 meter pixel resolution or better</p>

	<p>Mining Claims (active)</p>	<p>Alaska – ADNR – Division of Mining Lands and Water, Permit_or_Lease_-_MV_ST_Mining.shp Alaska State Geospatial Data Clearinghouse http://www.asgdc.state.ak.us/ , 2017</p> <p>British Columbia – Ministry of Energy and Mines, http://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/bc-mine-info, 2017</p> <p>Northwest Territories – NWT Geomatics http://www.geomatics.gov.nt.ca/wms_chartop.aspx?i=1</p> <p>Yukon – Dept of Energy Mines & Resources – Quartz Mining Claims, ftp://ftp.geomaticsyukon.ca/ , 2017</p>	<p>Mining claims mark the boundaries of a miner’s exclusive rights to a property’s locatable minerals. In Alaska, individual claims total from 40 to 160 acres (16 – 65 ha). In Canada single claims range from approximately 40 acres to 633 acres. (16 -256 ha)</p>  <p><i>Example of a mining claim stake</i></p>
	<p>Mining Claims (expired/historic)</p>	<p>Alaska – ADNR – Division of Mining Lands and Water, State_Mining_Claim_Closed_py.shp, Alaska State Geospatial Data Clearinghouse http://www.asgdc.state.ak.us/ , 2017</p> <p>Canada – Canada_mineral_claims_2013_final, Global Forest Watch Canada, 2013</p>	<p>These are historic claims which may be indicative of past surface disturbance as a result of exploration and possibly mineral production, however, some expired claims are simply areas that were staked with no subsequent ground disturbance.</p>
	<p>Mining Leases</p>	<p>Alaska – State_Mining_Lease_py.shp, ADNR – Division of Mining Lands and Water, Alaska State Geospatial Data Clearinghouse http://www.asgdc.state.ak.us/ , 2016</p> <p>Canada – Global Forest Watch Canada, Active mineral leases Canada, 2013</p>	<p>Mining leases mark the boundaries of the leaseholder’s right to mine a deposit, They are issued in specifically designated areas of Alaska which differ from areas open to mining claims due to a non-state surface owner or environmental issues.</p>
	<p>Coal Leases</p>	<p>Alaska – Permit_or_Lease_-_ME_py.shp select Coal Leases - ADNR – DMLW, 2016</p> <p>Canada – Canada_coal_tenures_2013_land , Global Forest Watch Canada, 2013</p>	<p>Coal leases are mineral leases specific to extraction of coal. Leases are generally associated with mines and advanced stages of exploration and project development.</p>

