GIS File Metadata Form

Project name: BC ARD Map   **Project code:** 20-16

Data owner: SkeenaWild Conservation Trust *(organization)*

Contact information for data manager: *(who to contact to request information)*

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File name: Mine-ML-ARD-Status_pt_egis_bc_EPSG3005_2021-01-14 / Mine-ML-ARD-Status_pt_egis_bc_WGS84_2021-01-14
Version: 1.0 **Date last modified:** 2021-01-14

Is any part of the dataset considered confidential or culturally sensitive? ☐ Yes ☒ No

Contact information for data creator: *(if different from data steward)*

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Brief description of dataset:

This dataset comprises the locations, operating status, and contamination status for 173 major mine projects within British Columbia. This dataset was compiled from information made available by the respective mining proponents, regulating bodies, and other reputable research sources.

All proposed mines, operating mines, and mines under care and maintenance were included. Other sites with historic production were included if a) the total volume of ore mined was greater than or equal to 300,000 tonnes and mining ceased prior to 1985, or b) the total volume of ore mined was greater than or equal to 10,000 tonnes and mining ceased during or after 1985. Sites with historic production where there was no ongoing pursuit of further mining at the time of data collection were listed as Closed/Abandoned. Sites with historic production where there was active exploration, updated permitting or construction, or the site had been included in a newly proposed or operating project at the time of data collection were listed as Potential/Ongoing Redevelopment. Further information on the specific references and methodology used are included as a supplemental spreadsheet.

Original data source/author: *(if modified)* ☒ Not applicable

Description of modification: ☒ Not applicable

Projection: NAD 83 BC Albers (CRS 3005) (shapefile) / WGS 84 (kml file)

Number of related files: 5
Attribute metadata *(complete if not included elsewhere)*

Attribute name	Label	Attribute description	Units
Project	Project Name	Name of mining project	N/A
Commodity	Commodity Mined	Type of commodity mined. For metal ore-producing mines, commodity is reported using elemental symbol.	N/A
Status	Project Status (as of 2019/2020)	Operational status of the mining project. Categories include Proposed, Operating, Potential/Ongoing Redevelopment, Care & Maintenance, and Closed/Abandoned.	N/A
ARD_Cncrn	Acid Rock Drainage Concern	Indicates presence of acidic drainage concerns at the mine site (Yes, No, or Unknown).	N/A
Ntrl_Drain	Neutral Drainage Concern	Indicates presence of neutral drainage concerns at the mine site (Yes, No, or Unknown).	N/A
Known_Cont	Known Contamination (nature unknown)	Evidence of site contamination issues reported but nature of contamination unknown.	N/A
Latitude	Latitude	Latitude in decimal degrees.	Decimal Degrees
Longitude	Longitude	Longitude in decimal degrees.	Decimal Degrees
Notes	Notes	Relevant notes with regards to the type of contamination or status of the mining project.	N/A
References	Contamination Status References	Information references if available.	N/A
Cmmdty_Gnrl	Commodity General	Commodity category generalized as coal or metal.	N/A
Colour	Colour	Hex colour codes denoting mine contamination status. Mines are categorized as red if ARD concerns exist, orange if neutral drainage concerns or known contamination exists, yellow if contamination status is unknown, and green if no current contamination concerns are identified.	N/A
Shape	Shape	Sub-categorizes Status by Commodity General for operational mines by Operating – Coal or Operating – Metal; attribute for remaining mines is equal to Status.	N/A

Definitions of additional acronyms or codes used (if applicable)

Acronym/Code	Acronym description
ARD	Acid Rock Drainage
PAG	Potentially Acid Generating
NAG	Non-Acid Generating
#FF0000	Red (Acidic drainage concern)
#FFB266	Orange (Neutral pH or other contamination concern)
#FFFF00	Yellow (Contamination status unknown)
#00CC66	Green (No current contamination concern)
Ag	Silver
Au	Gold
Cd	Cadmium
Cu	Copper
Fe	Iron
Hg	Mercury
Mo	Molybdenum
Ni	Nickel
Pb	Lead
W	Tungsten
Zn	Zinc