

ACRONYMS AND ABBREVIATIONS

Terminology used in this Application for an Environmental Assessment Certificate/Environmental Impact Statement is defined where it is first used. The following list will assist readers who may choose to review only portions of the document.

%	Percent
%HA	Percent Highly Annoyed
°	Degrees (gradient)
°C	Degrees Celsius
3-D	Three dimensional
a	Annum
AAC	Allowable annual cut
AANDC	Aboriginal Affairs and Northern Development Canada (formerly known as Indian and Northern Affairs Canada [INAC])
AAQO	Ambient air quality objective
ABA	Acid-base accounting
AFE	Aboriginal Funding Envelope
Agreement, the	<i>Canada–British Columbia Agreement for Environmental Assessment Cooperation</i>
AIA	Archaeological Impact Assessment
AIR	Application Information Requirements
ALIB	Adams Lake Indian Band
ALR	Agricultural Land Reserve
AMS	American Meteorological Society
ANFO	Ammonium nitrate fuel oil
ANS	Ammonium nitrate solution
ANSI	American National Standards Institute
AOA	Archaeological Overview Assessment
AP	Acid potential

APEGBC	Association of Professional Engineers and Geoscientists of British Columbia
Application	Application for an Environmental Assessment Certificate
ARD	Acid rock drainage
ASAB	Archaeological Sites Advisory Board
ATV	All-terrain vehicle
AUM	Animal unit month
BACI	Before-after-control-impact
BACT	Best available control technology
BAF	Bioaccumulation factor
BC	British Columbia
BC CDC	British Columbia Conservation Data Centre
BC EAA	British Columbia <i>Environmental Assessment Act</i> (2002)
BC EAO	British Columbia Environmental Assessment Office
BC ILMB	British Columbia Integrated Land Management Bureau
BC MELP	British Columbia Ministry of Environment, Lands and Parks
BC MEM	British Columbia Ministry of Energy and Mines
BC MEMNG	British Columbia Ministry of Energy, Mines, and Natural Gas (now BC MEM)
BC MEMPR	British Columbia Ministry of Energy, Mines and Petroleum Resources (now BC MEM)
BC MFLNRO	British Columbia Ministry of Forests, Lands and Natural Resource Operations
BC MOE	British Columbia Ministry of Environment
BC MOF	British Columbia Ministry of Forests (currently BC MFLNRO)
BC MOTI	British Columbia Ministry of Transportation and Infrastructure
BC WMB	British Columbia Wildfire Management Branch
BCEDA	BC Economic Development Association
BCIOM	BC Input-Output Model
BCWWA	BC Water & Waste Association
BEC	Biogeoclimatic Ecosystem Classification

BGC	Biogeoclimatic
BILCR	Birch Island-Lost Creek Road
BMP	Best Management Practice
BTEX	Benzene, toluene, ethylbenzene, and xylenes
BW	Body weight
CAAQ	Canadian Ambient Air Quality Standard
CABIN	Canadian Aquatic Biomonitoring Network
CAC	Criteria air contaminant
CCME	Canadian Council of Ministers of the Environment
CDA	Canadian Dam Association
CDWR	Critical Deer Winter Range
CEA	Cumulative effects assessment
CEA Agency	Canadian Environmental Assessment Agency
CEAA 1992	<i>Canadian Environmental Assessment Act (1992)</i>
CEAA 2012	<i>Canadian Environmental Assessment Act, 2012 (2012)</i>
CEARIS	Canadian Environmental Assessment Registry Internet Site
CEO	Chief Executive Officer
CEPA	<i>Canadian Environmental Protection Act (1999)</i>
CES	Cultural Education Society
CH₄	Methane
cm	Centimetre(s)
CMWR	Critical Moose Winter Range
CNR	Canadian National Railway
CO	Carbon monoxide
CO₂	Carbon dioxide
CO_{2e}	Carbon dioxide equivalent
Code, the	<i>Health, Safety and Reclamation Code for Mines in British Columbia</i>

COPC	Contaminant of potential concern
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CPD	Certified Project Description
CSR	Comprehensive Study Report
CWS	Canadian Wildlife Service
d	Day
dAIR	Draft Application Information Requirements
dB	Decibel(s)
dBA	Decibels A-weighted
dB	Decibels with no weighting applied between 20 Hz to 20 kHz
DCL	Dillon Consultants Ltd.
DEM	Digital elevation model
DFO	Fisheries and Oceans Canada
dm	Decimetre(s)
DSR	Dam Safety Review
DWQG	Drinking water quality guideline
EA	Environmental assessment
EBA	East Bay Assemblage
EC	Environment Canada
ECAR	Ecological communities at risk
EDGM	Earthquake design ground motion
EDI	Estimated daily intake
EEM	Environment Effects Monitoring
EIS	Environmental Impact Statement
EKS	Ecological Knowledge Study
EMA	<i>Environmental Management Act</i> (2003)
EMF	Electric and magnetic field

EMP	Environmental Management Plan
EMS	Environmental Management System
ENSO	El Niño Southern Oscillation
e-PIC	BC EAO electronic Project Information Centre
EPT	Ephemeroptera, Plecoptera, and Trichoptera
ER	Exposure ratio
ESSF	Engelmann Spruce – Subalpine Fir
FAEMP	Fish and Aquatic Effects Monitoring and Management Plan
FOP	Fisheries Offsetting Program
FRC	Funding Review Committee
FRPA	<i>Forest and Range Protection Act (FRPA)</i>
FSR	Forest Service Road
FTA	Federal Transit Administration
g	Acceleration due to gravity
g	Gram
GBPU	Grizzly Bear Population Unit
GCM	Global Climate Model
GDP	Gross Domestic Product
GHG	Greenhouse gas
GIS	Geographic Information System
GNR	Global Non-response Rate
GWh	Gigawatt hours
GWM	General Wildlife Measures
H₂O	Water (or water vapour)
ha	Hectare (s)
HADD	Harmful Alteration, Disruption, or Destruction
HC	Health Canada

HCA	<i>Heritage Conservation Act (1996)</i>
HCMC	Harper Creek Mining Corporation
HDPE	High-density polyethylene
HHRA	Human health risk assessment
Highway 5	Southern Yellowhead Highway
HPGR	High-pressure grinding rolls
HQ	Hazard quotient
HSE	Health, safety, and environment
HSI	Habitat Suitability Model
ICH	Interior Cedar-Hemlock
ICP	Inductively coupled plasma
IDF	Inflow design flood
IDF	Interior Douglas Fir
IHA	Interior Health Authority
ILCR	Incremental lifetime cancer risk
IMA	Interim Measures Agreement
IPCC	Intergovernmental Panel on Climate Change
ISO	International Organization for Standardization
ISQC	Interim Sediment Quality Guidelines
JECFA	Joint FAO/WHO Expert Committee on Food Additives
K	Hydraulic conductivity
kg	Kilogram(s)
km	Kilometre(s)
KPI	Key Performance Indicator
KPL	Knight Piésold Ltd.
kt	Kilotonne(s)
kV	Kilovolt(s)

L	Litre(s)
LA90	Sound level exceeded for over 90% of the measurement period in A-weighting
LAE	Noise event sound level in A-weighting
LAeq	Continuous equivalent sound level over a time period in A-weighting
LAm_{ax}	Maximum sound level in A-weighting during a measurement period
LAm_{in}	Minimum sound level in A-weighting during a measurement period
Lex	Average noise exposure based on a length of time
LC_{peak}	Maximum sound level in C-weighting during a measurement period
L_d	Equivalent daytime sound level in A-weighting during the day (07:00 to 20:00)
L_{dn}	Day-night equivalent sound level in A-weighting over a 24-hour period
LLF	Low frequency energy content to assess the likelihood of noise-induced rattling
L_n	Equivalent nighttime sound level in A-weighting during the night (20:00 to 07:00)
lb	Pound(s)
LEL	Lowest Effect Level
LGO	Low-grade ore
LHA	Local Health Authority
LHD	Load-haul-dump
LICO	Low income cut-off
LIDAR	Light detection and ranging
LNG	Liquefied natural gas
LOEC	Lowest-observed-effects-concentration
LOM	Life of mine
LRMP	Land and Resource Management Plan
LSA	Local study area
LSIB	Little Shuswap Indian Band ¹
LU	Landscape units

¹ The name of the Band was changed to Little Shuswap Lake Indian Band in late 2013. The Application/EIS refers to the Band's former name, Little Shuswap Indian Band.

M	Million or mega
m	Metre(s)
m³	Cubic metre(s)
masl	Metres above sea level
MAD	Mean Annual Discharge
MBCA	<i>Migratory Bird Convention Act (1994)</i>
mbg	Metres below grade
MBM	Market basket measure
MCE	Maximum credible earthquake
µg	Microgram(s)
µm	Micrometre(s)
mg	Milligram(s)
MIBC	Methyl isobutyl carbinol
mL	Millilitre(s)
ML	Metal leaching
mm	Millimetre(s)
MMER	Metal Mining Effluent Regulations (SOR/2002-222)
MNBC	Métis Nation British Columbia
MPMO	Major Projects Management Office
MRC	Mine Review Committee
MSDS	Material Safety Data Sheet
Mt	Million tonnes
MU	Management Unit
MW	Megawatt(s)
NAAQO	National ambient air quality objective
NDT	Natural Disturbance Type
NHS	National Household Survey

NIB	Neskonlith Indian Band
NoC	Notice of Commencement
NOEC	No-observed-effects-concentration
NO_x	Nitrogen oxide
NO₂	Nitrogen dioxide
NP	Neutralization potential
NP*	Site-specific neutralization potential
NPV	Net present value
NRCan	Natural Resources Canada
OCP	Official Community Plan
OGMA	Old-growth Management Areas
OMS	Operations maintenance and surveillance
PAG	Potentially acid generating
PAH	Polycyclic aromatic hydrocarbons
PAX	Potassium amyl xanthate
PCIC	Pacific Climate Impacts Consortium
PD	Project Description
PDO	Pacific Decadal Oscillation
PEL	Probable Effects Levels
PFP	Participant funding program
PGA	Peak Ground Acceleration
PM	Particulate matter
PM₁₀	Suspended particulates with diameter less than 10 µg
PM_{2.5}	Suspended particulates with diameter less than 2.5 µg
Project	Harper Creek Project
Proponent, the	Harper Creek Mining Corporation
Q	Discharge

QA/QC	Quality assurance/quality control
Q_n	Discharge return period, where “n” is years
R	Risk of an event being exceeded
RCMP	Royal Canadian Mounted Police
Rescan	Rescan Environmental Services Ltd. (now ERM Rescan)
RFE	Regular Funding Envelope
RIC	Resource Inventory Committee (currently known as Resources Information Standards Committee)
RISC	Resources Information Standards Committee (previously known as Resource Inventory Committee)
RMWI	Recommended maximum weekly intake
RMZ	Resource Management Zone
ROM	Run of mine
ROW	Right-of-way
RSA	Regional study area
s	Second
SAG	Semi-autogenous grinding
SARA	<i>Species at Risk Act</i> (2002)
SCC	Supreme Court of Canada
SEL	Severe Effect Level
SeMP	Selenium Management Plan
SFN	Simpcw First Nation
SNTC	Shuswap Nation Tribal Council
SRK	SRK Consulting Inc.
SST	Sea surface temperature
SUP	Special use permit
t	Tonne(s)
TC	Transport Canada

TDI	Tolerable daily intake
TEK	Traditional Ecological Knowledge
TEM	Terrestrial Ecosystem Mapping
TLU	Traditional Land Use
TMF	Tailings management facility
TNRD	Thompson-Nicola Regional District
ToC	Table of Conditions
tpa	Tonnes per annum
tpd	Tonnes per day
TRIM	Terrain Resource Information Management
TRU	Thompson Rivers University
TRV	Toxicity reference value
TSA	Timber Supply Area
TSP	Total suspended particles
TSS	Total suspended solids
TSX	Toronto Stock Exchange
US EPA	US Environmental Protection Agency
USGS	United States Geologic Survey
UWR	Ungulate Winter Range
VC	Valued component
VLI	Visual Landscape Inventory
VMP	Vegetation Management Plan
VOC	Volatile organic compound
VP	Vice President
VRI	Vegetation Resource Inventory
WEMP	Wildlife Effects Monitoring Program
WHA	Wildlife Habitat Area

WHMIS	Workplace Hazardous Materials Information System
WHO	World Health Organization
WMO	World Meteorological Organization
WMP	Wildlife Management Plan
WMT	wet metric tonne
WMU	Wildlife Management Unit
WQGs	Water quality guideline for the protection of freshwater aquatic life
WSC	Water Survey of Canada
WUA	Weighted Usable Area
YCS	Yellowhead Community Services
YMI	Yellowhead Mining Inc.
YOY	Young-of-the-year