

Acronyms and Abbreviations

Terminology used in this document 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
AANDC	Aboriginal Affairs and Northern Development Canada (formerly known as Indian and Northern Affairs Canada [INAC])
ABA	Acid base accounting
AEMP	Aquatic Effects Monitoring Plan
AIA	Archaeological Impact Assessment
AIR	Application Information Requirements
AMC	AMC Mining Consultants (Canada) Ltd.
AMS	American Meteorological Society
ANSI	American National Standards Institute
AOA	Archaeological Overview Assessment
AP	Acid potential
APEGBC	Association of Professional Engineers and Geoscientists of British Columbia
APLIC	Avian Power Line Interaction Committee
Application	Application for an Environmental Assessment Certificate
ARD	Acid rock drainage
ARTG	Acid Rain Task Group
ATV	All-terrain vehicle
BACT	Best Achievable Control Technology
BAF	Bioaccumulation factor
BAFA	Boreal Altai Fescue Alpine
BAFAunp	Boreal Altai Fescue Alpine undifferentiated parkland
BATNEEC	Best Available Technique Not Entailing Excessive Cost
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 EMA	British Columbia <i>Environmental Management Act</i> (2003)
BC ILMB	British Columbia Integrated Land Management Bureau (currently British Columbia Ministry of Forests, Lands and Natural Resource Operations)
BC MELP	British Columbia Ministry of Environment, Lands and Parks (currently British Columbia Ministry of Environment)
BC MEM	British Columbia Ministry of Energy and Mines
BC MEMPR	British Columbia Ministry of Energy, Mines and Petroleum Resources (currently British Columbia Ministry of Energy and Mines)
BC MFLNRO	British Columbia Ministry of Forests, Lands and Natural Resource Operations
BC MFML	British Columbia Ministry of Forests, Mines and Lands (currently British Columbia Ministry of Forests, Lands and Natural Resource Operations)
BC MMRP	British Columbia Métis Mapping Research Project
BC MOE	British Columbia Ministry of Environment
BC MOF	British Columbia Ministry of Forests (currently British Columbia Ministry of Forests, Lands and Natural Resource Operations)
BC MOTI	British Columbia Ministry of Transportation and Infrastructure
BC MSRM	British Columbia Ministry of Sustainable Resource Management
BC MWLAP	British Columbia Ministry of Water, Land and Air Protection (currently British Columbia Ministry of Environment)
BCIOM	British Columbia Input-Output Model
BCWWA	British Columbia Water and Waste Association
BEC	Biogeoclimatic Ecosystem Classification
BCTS	BC Timber Sales
BGC	BGC Engineering Inc.
BMP	Best management practice
BOD₅	Biochemical oxygen demand
BP	Before present
BW	Body weight
ca	Circa
CAA	Canadian Avalanche Association
CAAQS	Canadian Ambient Air Quality Standards
CAC	Criteria air contaminant
CAPMoN	Canadian Air and Precipitation Monitoring Network
CARCNET	Canadian Amphibian and Reptile Conservation Network
CCME	Canadian Council of Ministers of the Environment

CE	Common era
CEA	Cumulative effects assessment
CEAA 2012	<i>Canadian Environmental Assessment Act, 2012 (2012)</i>
CEA Agency	Canadian Environmental Assessment Agency
CEC	Cation exchange capacity
CEE	Central equipment enclosure
CEPA	<i>Canadian Environmental Protection Act (1999)</i>
CH ₄	Methane
CIS	Cassiar Iskut-Stikine
CMA	Coastal Mountain-heather Alpine
CMAunp	Coastal Mountain-heather Alpine undifferentiated parkland
CMT	Culturally modified tree
CN Rail	Canadian National Railway
CO	Carbon monoxide
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
COPC	Contaminants of potential concern
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CPUE	Catch-per-unit-effort
CSSC	Canadian System of Soil Classification
CWH	Coastal Western Hemlock
CWHwm	Coastal Western Hemlock wet maritime
CWS	Canada-wide Standards
dB	Decibel(s)
dBA	A-weighted decibel
dBZ	Z-weighted decibel
Diavik	Diavik Diamond Mine
dm	Decimetre
dm ²	Decimetre square
DNA	Deoxyribonucleic acid
DFO	Fisheries and Oceans Canada
dw	Dry weight
DWQG	Drinking Water Quality Guideline
EA	Environmental assessment

EDI	Estimated daily intake
EEM	Environmental effects monitoring
EIS	Environmental Impact Statement
ELDE	Estimated lifetime daily exposure
EMA	<i>Environmental Management Act (2003)</i>
EMP	Environmental Management Plan
EMS	Environmental Management System
ENSO	El Niño Southern Oscillation
EPCM	Engineering, procurement, construction, and management
ESSF	Engelmann Spruce-Subalpine Fir
ESSFun	Engelmann Spruce-Subalpine Fir undifferentiated
ESSFunp	Engelmann Spruce-Subalpine Fir undifferentiated parkland
eq/ha/year	Equivalency per hectare per year
FAR	Fresh air raise
FLAP	Fatal Light Awareness Program
FMEA	Failure Modes and Effects Analysis
FPAC	Federal-Provincial Advisory Committee
FRPA	<i>Forest and Range Practices Act (2002)</i>
g	Gram(s)
g	Unit of measure for ground acceleration
Galore	Galore Creek Copper-Gold-Silver Project
GBPU	Grizzly bear population unit
GCM	Global Climate Model
GDP	Gross domestic product
GHB	General-head boundary
GHG	Greenhouse gas
GIS	Geographic information system
GMD	General management direction
Guidelines	Environmental Impact Statement (EIS) Guidelines for the Brucejack Gold Mine Project
H ₂ O	Water (or water vapour)
ha	Hectare(s)
HADD	Harmful Alteration, Disruption, or Destruction
HCA	<i>Heritage Conservation Act (1996)</i>

HDPE	High-density polyethylene
HHRA	Human health risk assessment
HQ	Hazard quotient
HSE	Health, safety, and environment
HSI	Hepatosomatic index
HSR	Habitat suitability rating
Hwy	Highway
IAPP	Invasive Alien Plant Program
ICH	Interior Cedar Hemlock
ICHvc	Interior Cedar Hemlock very wet cold
IFC	International Finance Corporation
ILCR	Incremental lifetime cancer risk
ILRR	Integrated Land and Resource Registry
IPCC	International Panel on Climate Change
IRIA	<i>International Rivers Improvement Act (1985)</i>
IRR	Interest rate of return
ISO	International Organization for Standardization
ISQG	Interim Sediment Quality Guidelines
IUCN	International Union for Conservation of Nature
IWMS	Identified Wildlife Management Strategy
JECFA	FAO/WHO Expert Committee on Food Additives
ka BP	Kilo-annum (thousands of years) before present
Kitsault	Kitsault Mine Project
kg	Kilogram(s)
km	Kilometre(s)
KSM	Kerr-Sulphurets-Mitchell
kt	Kilotonne(s)
kV	Kilovolt(s)
kW	Kilowatt(s)
L	Litre
L _{A90} or L ₉₀	Sound level exceeded for 90% of the measurement period in A-weighting.
L _{AE}	Sound exposure level
L _{Aeq} or L _{eq}	Continuous equivalent sound level over a time period in A-weighting.
L _{AFmax} or L _{max}	The maximum sound level recorded over a stated time period.

L_d	Equivalent day time sound level equivalent during the day time (07:00 to 20:00).
L_{dn}	Day-night equivalent sound level in A-weighting over 24 hour period, with 10 dB penalty added to the night time sound level.
L_n	Equivalent day time sound level equivalent during the night time (20:00 to 7:00).
L_{peak}	The peak sound level. There is no time constant applied to L _{peak} and therefore it is not the same as L _{max} .
LHD	Load-haul-dump
LHOS	Long-hole open stoping
LKI	Landmark Kilometre Inventory
LOM	Life of mine
LRMP	Land and Resource Management Plan
LSA	Local Study Area
LULUCF	Land-use, land-use change, and forestry
LWD	Large woody debris
M	Million
m	Metre(s)
m³	Cubic metre(s)
m³/d	Cubic metres per day
m³/s	Cubic metres per second
MAD	Mean Annual Discharge
masl	Metres above sea level
MERP	Mine Emergency Response Plan
MST	Mountain Safety Technicians
µg	Microgram(s)
µg/m³	Micrograms/cubic metre
µm	Micrometre(s)
mg	Milligram(s)
mg/L	Milligrams/litre
MGWR	Mountain Goat Winter Range
MH	Mountain Hemlock (ecological zone)
MHmm1	Mountain Hemlock windward moist maritime variant
MHmm2	Mountain Hemlock leeward moist maritime variant
MHmmp	Mountain Hemlock moist maritime parkland

MIBC	Methyl isobutyl carbinol
mL	Millilitre(s)
ML	Metal leaching
mm	Millimetre(s)
MMER	Metal Mining Effluent Regulations (SOR/2002-222)
Moz	Million ounces
MSC	Meteorological Services of Canada
Mt	Million tonnes
Mtpa	Million tonnes per annum
N₂O	Nitrous oxide
NAAQO	National Ambient Air Quality Objective
NAPS	National Air Pollution Surveillance
NCF	Net cash flow
NDT	Natural Disturbance Type
NEG-ECP	New England Governors-Eastern Canadian Premiers
Newhawk	Newhawk Gold Mines Ltd.
NFA	<i>Nisga'a Final Agreement (1998)</i>
NHS	National Household Survey
NIHL	Noise-induced hearing loss
NIR	National Inventory Report
NLG	Nisga'a Lisims Government
NNP	Net neutralization potential
NOAA	National Oceanic and Atmospheric Administration
NO_x	Nitrogen oxide
NO₂	Nitrogen dioxide
NP	Neutralization potential
NPA	<i>Navigation Protection Act (1985)</i>
NPAG	Not potentially acid generating
NPR	Neutralization potential ratio
NPV	Net present value
NRCan	Natural Resources Canada
NRMSE	Normalized root mean square error
NSF	National Sanitation Foundation
NTL	Northwest Transmission Line

NTS	National Topographic System
NWA	Nass Wildlife Area
NWIPC	Northwest Invasive Plant Council
NWPA	<i>Navigable Waters Protection Act (1985)</i>
NYSE	New York Stock Exchange
O ₃	Ozone
OGMA	Old Growth Management Area
OH&S	Occupational Health and Safety
OLM	Ozone Limiting Method
PAG	Potentially acid generating
PAH	Polycyclic aromatic hydrocarbon
PASS	Passive Air Sampling System
PAX	Potassium amyl xanthate
PCIC	Pacific Climate Impacts Consortium
PDO	Pacific Decadal Oscillation
PEA	Preliminary Economic Assessment
PEM	Provincial Ecosystem Mapping
PGA	Peak Ground Acceleration
PLC	Programmable logic controller
PM ₁₀	Particulate matter with diameter less than 10 microns
PM _{2.5}	Particulate matter with diameter less than 2.5 microns
POC	Parameter of concern
ppm	Parts per million
Pretivm	Pretium Resources Inc.
Project	Brucejack Gold Mine Project
PRT	Parameter regression technique
PU	Population unit
Q	Discharge
Q _n	Discharge return period, where “n” is years
Q1	Quarter 1 of a calendar or fiscal year
Q2	Quarter 2 of a calendar or fiscal year
QRT	Quantile regression technique
R	Risk of an event being exceeded
RAAD	Remote Access to Archaeological Data (online application))

RAR	Return air raise
RDBN	Regional District of Bulkley-Nechako
RDKS	Regional District of Kitimat-Stikine
RDPA	Regulations Designating Physical Activities
Rescan	Rescan Environmental Services Ltd. (now ERM Rescan)
RIC	Resources Inventory Committee (currently Resources Information Standards Committee)
RISC	Resource Information Standards Committee (formerly Resources Inventory Committee)
RMWI	Recommended maximum weekly intake
RMZ	Resource Management Zone
ROW	Right-of-way
RPMP	Rare Plant and Lichen Management Plan
RSA	Regional Study Area
RTEC	Rescan Tahltan Environmental Services Ltd.
s	Second
SABC	Semi-autogenous-ball milling-crushing
SAG	Semi-autogenous grinding
SARA	<i>Species at Risk Act</i> (2002)
SBEB	Science-based environmental benchmark
Schaft	Schaft Creek Mine Project
SF₆	Sulphur hexafluoride
SFB	Skeena fold belt
SFE	Shake flask extraction
Silver Standard	Silver Standard Resources Inc.
SKCDC	Saskatchewan Conservation Data Centre
SLC	Screening level concentrations
SMR	Soil moisture regime
SMU	Soil map unit
SO₂	Sulphur dioxide
SO_x	Sulphur oxide
SOP	Standard Operating Procedure
SRMP	Sustainable Resource Management Plan
STP	Sewage treatment plant
SU	Survey unit

SUP	Special Use Permit
t	Tonne(s)
TC	Transport Canada
TDI	Total daily intake
TEM	Terrestrial Ecosystem Mapping
THREAT	Tahltan Heritage Resources Environmental Assessment Team
TIC	Total inorganic carbon
TK/TU	Traditional Knowledge/Traditional Use
TOC	Total organic carbon
tpa	Tonnes per annum
tpd	Tonnes per day
T _R	Return period; also known as a recurrence interval. An estimate of the likelihood of an event to occur.
TRIM	Terrain Resource Information Management
TRV	Toxicity reference value
TSA	Timber Supply Area
TSC	Terrain Stability Class
TSF	Tailings storage facility
TSP	Total suspended particulates
TSS	Total suspended solids
TSX	Toronto Stock Exchange
UNFCCC	United Nations Framework Convention on Climate Change
US EPA	United States Environmental Protection Agency
USGS	United States Geologic Survey
UTM	Universal Transverse Mercator
UWR	Ungulate Winter Range
VC	Valued Component
VoIP	Voice over Internet Protocol
VOK	Valley of the Kings
VPH	Vehicles per hour
VQLSA	Visual quality Local Study Area
VSF	Volcanic Sedimentary Facies
VWP	Vibrating wire piezometers
WARS	Wildlife Accident Reporting System

WBM	Water Balance Model
WCI	Western Climate Initiative
WDR	Waste Discharge Regulation
WEMP	Wildlife Effects Monitoring Program
WG-AEN	European Commission Working Group Assessment of Exposure to Noise
WHA	Wildlife Habitat Area
WHMIS	Workplace Hazardous Materials Information System
WHO	World Health Organization
WMB	Wildfire Management Branch
WMP	Water Management Plan
WMU	Wildlife Management Unit
WSC	Water Survey of Canada
WSP	Wetland Stewardship Partnership
WTP	Water treatment plant
ww	Wet weight
WZ	West Zone