

ACRONYMS AND ABBREVIATIONS

Symbols and Units of Measurement

Symbol	Unit	Symbol	Unit
<	less than	lb	pound
>	greater than	L _d	day time noise levels
°	degree	L _{dn}	daily equivalent noise level
%	percent	L _{eq}	equivalent sound level
°C	degree Celsius	L/m	litres per minute
µg/m ³	microgram per cubic metre	L _{max}	maximum instantaneous noise level
µm	micrometre or micron	L _n	night time equivalent sound level
µPa	micropascal	L _{peak}	peak sound overpressure level
µS	microsiemens	L _w	sound power level
a	annum (year)	m	metre
Bt	billion tonnes	M	million or mega
CDN\$	Canadian dollars	m ³	cubic metre
cm	centimetre	m ³ /d	cubic metres per day
cm ²	square centimetre	m ³ /h	cubic metres per hour
cm ³	cubic centimetre	m ³ /s	cubic metres per second
d	day	masl	metres above sea level
dB	decibel	mbgs	metres below ground surface
dBA	A-weighted decibel level	mE	metres east
dBc	C-weighted decibel level	mg	milligram
dB L	linear decibel level	ml	millilitre
dBZ	Z-weighted decibel	mm	millimetre
g	gram*	mm/s	millimetres per second
g	acceleration due to gravity*	Mm ³ /yr	million cubic metres per year
g/t	grams per tonne	mN	metres north
h	hour (<i>also used: hr</i>)	m/s	metres per second
ha	hectare	Mt	million tonnes or megatonne
hp	horsepower	MW	megawatt (1,000,000 watts)
K	kelvin (temperature)	oz	ounce
kg	kilogram	Pa	pascal
km	kilometre	ppm	parts per million
kPa	kilopascal	Q	discharge
kt	kilotonne	s	second
kV	kilovolt	t	metric tonne (1,000 kg)
kVA	kilovolt-ampere	t/a	tonnes per annum
kW	kilowatt	t/h	tonnes per hour
kWh	kilowatt-hour	tpd	tonnes per day (<i>also used: t/d</i>)
kWh/t	kilowatt-hours per tonne	US\$	United States dollars
L	litre	V	volt

* In Chapter 23, g refers to acceleration due to gravity; in all other sections, g is the symbol for grams.

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. Definitions for many of these terms can also be found in the Glossary.

2-D	Two-dimensional
3-D	Three-dimensional
AANDC	Aboriginal Affairs and Northern Development Canada
ABA	Acid-base accounting
ACCI	Area of critical community interest
ACP	Aboriginal Consultation Plan
ACR	Aboriginal Consultation Report
AIA	Archaeological Impact Assessment
AIR	Application Information Requirements
ANFO	Ammonium nitrate fuel oil
AOA	Archaeological Overview Assessment
AQO	Air quality objectives
ARD	Acid rock drainage
Ardea	Ardea Biological Consulting Ltd.
AuRico	AuRico Metals Inc.
BAFA	Boreal Altai Fescue Alpine
BAT	Best Available Technology
BC	British Columbia
BC CDC	British Columbia Conservation Data Centre
BC CPA	British Columbia Chartered Professional Accountants
BC EAA	British Columbia <i>Environmental Assessment Act</i>
BC EAO	British Columbia Environmental Assessment Office
BC EDA	British Columbia Economic Development Association
BC ILMB	British Columbia Integrated Land Management Bureau

BC JTST	British Columbia Ministry of Jobs, Tourism and Skills Training
BC MARR	British Columbia Ministry of Aboriginal Relations and Reconciliation
BC MEM	British Columbia Ministry of Energy and Mines
BC MEMNG	British Columbia Ministry of Energy, Mines and Natural Gas (currently known as BC MEM)
BC MFLNRO	British Columbia Ministry of Forests, Lands and Natural Resource Operations
BC MIO	British Columbia Major Investment Office
BC MMPO	British Columbia Major Mines Permitting Office
BC MOE	British Columbia Ministry of Environment
BC MOF	British Columbia Ministry of Finance
BC MOTI	British Columbia Ministry of Transportation and Infrastructure
BCF	Bioconcentration factor
BCIOM	British Columbia Input-Output Model
BCTC	British Columbia Treaty Commission
BEC	Biogeoclimatic Ecosystem Classification
BFP	Bladed feldspar porphyry
BMP	Best Management Practices
BRFN	Blueberry River First Nation
BT	Bull trout
CAAQs	Canadian Ambient Air Quality Standards
CACs	Criteria Air Contaminants
CAPEX	Capital expenditure
CCME	Canadian Council of Ministers of the Environment
CDC	Conservation Data Center
CDR	Cariboo Development Region
CEA	Cumulative effects assessment
CEA Agency	Canadian Environmental Assessment Agency
CEAA 2012	<i>Canadian Environmental Assessment Act, 2012</i>

CEPA	<i>Canadian Environmental Protection Act</i>
CFNR	Canada's First Nations Radio
CHR	Community Health Representative
CNC	College of New Caledonia
CO	Carbon monoxide
CO₂	Carbon dioxide
COPC	Contaminant of potential concern
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CPD	Certified Project Description
CSR	Corporate Social Responsibility
CSTC	Carrier Sekani Tribal Council
CULRTP	Current use of land and resources for traditional purposes
CWS	Canada Wide Standards
dBA	Decibels (A-weighted)
dBc	Decibels (C-weighted)
dBZ	Decibels (Z-weighted)
DCL	Dillon Consultants Ltd.
DFO	Fisheries and Oceans Canada
DNA	Deoxyribonucleic Acid
DRFN	Doig River First Nation
d/s	Downstream
DV	Dolly Varden
DWQG	Drinking water quality guideline
dw	Dry weight
EA	Environmental assessment
EAC	Environmental Assessment Certificate
EACA	Environmental Assessment Conduct Agreement

EAWG	Environmental Assessment Working Group
EC	Environment Canada
EMC	Environmental Management Committee
EcoCat	Ecological Reports Catalogue
EDI	Estimated daily intake
EEM	Environmental Effects Monitoring
EFAP	Employee Family Assistance Program
EIS	Environmental Impact Statement
EMC	Environmental Management Committee
EMP	Environmental Management Plan
ENSO	El Niño Southern Oscillation
EPCM	Engineering, procurement, construction, and management
EPQ	East Pit Quarry
EPT	Ephemeroptera, Plecoptera, Trichoptera
ERCB	Energy Resources Conservation Board
EUB	(Alberta) Energy and Utilities Board
FCA	Kemess South Fisheries Impact and Compensation Agreement
FHAP	Fish Habitat Assessment Procedure
FIFO	Fly-in/Fly-out
FISS	Fisheries Information Summary System
FMEA	Failure Modes and Effects Analysis
FNFN	Fort Nelson First Nation
FRPA	<i>Forest and Range Practices Act</i>
FSR	Forest service road
FTE	Full Time Equivalent
GBPU	Grizzly Bear Population Unit
GDC	Gitxsan Development Corporation

GDP	Gross Domestic Product
GHCO	Gitxsan Hereditary Chiefs Office
GHG	greenhouse gas
GIS	Geographic Information System
GMD	general management direction
GWNK	Gitxsan Wilp Nii Kyap
HA	Highly Annoyed
HCA	<i>Heritage Conservation Act</i>
HDPE	high-density polyethylene
HHRA	Human health risk assessment
HQ	Hazard quotient
HRFN	Halfway River First Nation
IBA	Impact-Benefit Agreement
ILCR	Incremental lifetime cancer risk
IMA	Interim Measures Agreement
INAC	Indian and Northern Affairs Canada (now known as AANDC)
IR	Indian Reserve
ISCBC	Invasive Species Council of BC
ISO	International Organization for Standardization
ISQG	Interim Sediment Quality Guideline
KN	Kemess North Project (previously proposed project)
KS	Kemess South
KS FCA	Kemess South Fisheries Compensation Agreement
KwN	Kwadacha Nation
KUG	Kemess Underground Project
LHA	Local health authority
LHD	Load-haul-dump

LNG	Liquefied Natural Gas
LNS	Longnose sucker
LOM	Life of mine
LRMP	Land and Resource Management Plan
LSA	Local Study Area
MAD	Mean Annual Discharge
MAR	Mean Annual Runoff
MEND	Mine Environment Neutral Drainage
MiHR	Mining Industry Human Resources
MIC	Maximum instantaneous charge
ML/ARD	Metal leaching / acid rock drainage
MLIB	McLeod Lake Indian Band
MMER	Metal Mining Effluent Regulation
MNBC	Métis Nation British Columbia
MoU	Memorandum of Understanding
MR	Metals Removal
MSC	Meteorological Services of Canada
MT	Minnow Trap
MVS	Mine Ventilation Services Inc.
MW	Megawatt
NAAQO	National Ambient Air Quality Objective
NAG	Non-acid Generating
NCDR	North Coast Development Region
NDIT	Northern Development Initiative Trust
NDR	Nechako Development Region
NEDR	Northeast Development Region
NGO	Non-governmental Organization

NH	Northern Health
NHS	National Household Survey
NO₂	Nitrogen dioxide
NoW	Notice of Work
NO_x	Nitrogen oxide
NPR	Net potential ratio (measure of acid generation potential)
NRCan	Natural Resources Canada
NSR	Net Smelter Royalty
NTL	Northwest Transmission Line
NSWDEC	New South Wales Department of Environment and Conservation
NTS	National Topographic System
NWCC	Northwest Community College
OB	Overburden
OCF	Official Community Plan
OPEX	Operating Expenditures
ORAR	Omineca Resource Access Road
PAC	Potentially Affected Community
PAG	Potentially acid-generating
PAH	Polycyclic aromatic hydrocarbon
PARL	Provincial Archaeological Report Library
PCP	Public Consultation Plan
PCR	Public Consultation Report
PD	Project Description
PEL	Probable Effects Level
PFR	Preliminary Field Reconnaissance
PM_{2.5}	Particulate matter with diameter less than 2.5 microns
PM₁₀	Particulate matter with diameter less than 10 microns

PMF	Probable Maximum Flood
PRFN	Prophet River First Nation
Project. the	The proposed Kemess Underground Project
Proponent, the	AuRico Metals Inc.
PRRD	Peace River Regional District
QA/QC	Quality Assurance/Quality Control
RA	Responsible Authority
RAAD	Remote Access to Archaeological Data
RBT	Rainbow trout
RCP	Reclamation and Closure Plan
RD	Regional District
RDBN	Regional District of Bulkley-Nechako
RDFFG	Regional District of Fraser-Fort George
RDKS	Regional District of Kitimat-Stikine
RDPA	Regulations Designating Physical Activities
RIC	Resource Inventory Committee
RISC	Resource Information Standards Committee (previously known as the Resources Inventory Committee)
RMR	Rock mass rating
RMZ	Resource Management Zone
ROW	Right-of-way
RSA	Regional Study Area
SA	Standards Australia
SARA	<i>Species At Risk Act</i>
SeCP	Selenium Collection Pond
Se-IX™	Selenium Ion Exchange
SFE	Shake Flask Extraction
SFN	Saulteau First Nations

SIC	Senior Implementation Committee
SMU	Soil Mapping Unit
SO₂	Sulphur dioxide
T8TA	Treaty 8 Tribal Association
TC	Transport Canada
TEM	Terrestrial Ecosystem Mapping
Texas CEQ ESL	Texas Commission on Environmental Quality Effects Screening Levels
TLFN	Takla Lake First Nation
TLUS	Traditional Land Use Study
TKDN	Tsay Keh Dene Nation
TKN	Tse Keh Nay
TLFN	Takla Lake First Nation
TLUS	Traditional Knowledge and Land Use Study
TN	Total Nitrogen
ToC	Table of Conditions
TOC	Total Organic Carbon
TP	Total Phosphorus
TRV	Toxicity reference value
TSF	Tailings storage facility
TSP	Total suspended particulate
TSS	Total suspended solid
TSX	Toronto Stock Exchange
TU	Traditional use
UNBC	University of Northern British Columbia
UOS	Use and Occupancy Study
US EPA	United States Environmental Protection Agency
USGS	United States Geological Survey

UTM	Universal Transverse Mercator
VC	Valued Component
VOC	Volatile organic compound
VQO	Visual Quality Objectives
VRI	Vegetation Resource Information
WARS	Wildlife Accident Reporting System
WBM	Water balance model
WDD	Western Diversion Ditch
WHA	Wildlife habitat area
WHO	World Health Organization
WMFN	West Moberly First Nation
WRC	Waste Rock Creek
WTP	Water treatment plant
ZTO	Zone of trace occurrence