

# Acronyms and Abbreviations

## 1. Introduction

Acronym / Abbreviation	Definition
AIR	Application Information Requirements
ALC	Agricultural Land Commission
ALR	Agriculture Land Reserve
AMA	Access Management Area
Application	Application for an Environmental Assessment Certificate
ASX	Australia Securities Exchange
ATV	All-terrain vehicle
B.C.	British Columbia
Bathurst	Bathurst Resources Limited
BCM	bank cubic metres
BFS	Bankable Feasibility Study
BRL	Bathurst Resources Limited
Canfor	Canadian Forest Products Ltd.
CEAA	Canadian Environmental Assessment Agency
CHPP	Coal Handling Process Plant
CP	Canadian Pacific Railway
Crows Nest Industries	Crows Nest Industries Limited
Directors	Directors of the Company
EA	Environmental Assessment
EAA	British Columbia Environmental Assessment Act
EAO	British Columbia Environmental Assessment Office
EIS	Environmental Impact Statement
EMA	Environmental Management Act
EMS	Environmental Management System
ERDZ-Coal	Coal Enhanced Resource Development Zone
ESA	Environmentally Sensitive Area
EV-CEMF	Elk Valley Cumulative Effects Management Framework
EVM Nation	Elk Valley Métis Nation

Acronym / Abbreviation	Definition
EVWQP	Elk Valley Water Quality Plan
GHG	Greenhouse gas
Golder	Golder Associates Limited
ha	hectare
HADD	Harmful alteration, disruption, or destruction
IAA	Impact Assessment Act
IAAC	Impact Assessment Agency of Canada
JAL	Jameson Resources Limited
Jameson	Jameson Resources Limited
KBLUP	Kootenay Boundary Land and Resource Management Plan
KIAMC	Kootenay Inter-Agency Management Committee
km	kilometre
km <sup>2</sup>	square kilometre
m	metre
m ASL	metres above sea level
M ROMt	million run-of-mine tonnes
MacHydro	Macdonald Hydrology Consultants Ltd.
mm	millimetre
MNBC	Métis Nation of British Columbia
Mt	million metric tonnes
Mtpa	million tonnes per annum
NWP	NWP Coal Canada Ltd
OCP	Elk Valley Official Community Plan
OGMA	Old Growth Management Area
OHS	Occupational Health and Safety
PFS	Pre-Feasibility Study
RDEK	Regional District of East Kootenay
RMTERP	Rocky Mountain Trench Ecosystem Restoration Program
RMZ	Resource Management Zone
ROM	run-of-mine
RR	Rural Resource

Acronym / Abbreviation	Definition
SARA	Species at Risk Act
Shell	Shell Canada Limited
Teck	Teck Coal Limited
The Agreement	Canada–British Columbia Agreement for Environmental Assessment Cooperation
the Project	Crown Mountain Coking Coal Project
tpd	tonnes per day
TSA	Timber Supply Area
USACE	United States Army Corps of Engineers
UWR	Ungulate Winter Range
VC	Valued component
WHA	Wildlife Habitat Area
WHF	Wildlife Habitat Feature
WMU	Wildlife Management Unit

## 2. Project Alternatives

Acronym / Abbreviation	Definition
"	inch
°	degree
AIR	Application Information Requirements
ANFO	Ammonium nitrate/fuel oil
B.C.	British Columbia
BCM	bank cubic metres
BFS	Bankable Feasibility Study
BMPs	Best management practices
CP	Canadian Pacific
CEA Act	Canadian Environmental Assessment Act
CEA Act OPS	Canadian Environmental Assessment Act Operational Policy Statement
CHPP	Coal Handling Process Plant
cm	centimetre
EA	Environmental Assessment

Acronym / Abbreviation	Definition
EAO	British Columbia Environmental Assessment Office
EVWQP	Elk Valley Water Quality Plan
GHG	Greenhouse gas
ha	hectare
HDPE	High Density Polyethylene
IAAC	Impact Assessment Agency of Canada
km	kilometre
KNC	Ktunaxa Nation Council
LNG	Liquefied Natural Gas
m	metre
m <sup>3</sup>	cubic metre
mm	millimetre
MRSF	Mine Rock Storage Facility
PFS	Pre-Feasibility Study
PSI	pounds per square inch
RLO	Rail loadout
ROM	Run of mine
VC	Valued component

### 3. Project Description

Acronym / Abbreviation	Definition
°	degrees
A	area
AP	Acid generation potential
AQGHGMP	Air Quality and Greenhouse Gas Management Plan
AR&D Program	Applied Research and Development Program
ARD	Acid rock drainage
B.C.	British Columbia
B.C. MOE	British Columbia Ministry of Environment
BCM	bank cubic metres
BMPs	Best management practices

Acronym / Abbreviation	Definition
CaCO <sub>3</sub>	Calcium carbonate
CAD	Canadian dollars
CAPEX	Capital
CCA	Capital Cost Allowance
CDE	Canadian Development Expense
CEE	Canadian Exploration Expense
CHPP	Coal Handling Process Plant
CIM	Canadian Institute of Mining, Metallurgy and Petroleum
cm	centimetre
cmt	clean metric tonne
CN	Curve number
CP	Canadian Pacific
DMC	Dense Medium Cyclone
ECCC	Environment and Climate Change Canada
EOY	End of year
EPC	Engineering, procurement, and construction
FOB	Freight on board
FOS	Factor of Safety
FRP	Fibreglass Reinforced Plastic
FTEs	Full Time Equivalent
GJ	gigajoule
GSC	Geological Survey of Canada
H:V	Horizontal:Vertical
ha	hectare
HCT	Humidity Cell Testing
HEC-HMS	Hydrologic Engineering Center's Hydrologic Modeling System
HSRC	British Columbia Health, Safety and Reclamation Code
IDF	Intensity-duration-frequency
JORC	Joint Ore Reserves Committee
kBCM	kilo bank cubic metre
kg	kilogram

Acronym / Abbreviation	Definition
km	kilometre
ktonnes	kilotonnes
kV	kilovolts
L	litre
lbs	pounds
LCF	Loss Carryforward
lcm	loose cubic metres
LSA	Local Study Area
m	metre
m <sup>3</sup>	cubic metre
m <sup>3</sup> /tonne	cubic metres per tonne
MF	Moisture-free
mg/kg	Milligram per kilogram
ML	Metal leaching
mm	millimetre
MMF	Mineral matter free
MRSF	Mine Rock Storage Facility
Mtpa	million tonnes per year
NP	Neutralization potential
NRCS	Natural Resources Conservation Service
OLC	Overland conveyor
OPEX	Operating cost
PAG	Potentially Acid Generating
PCI	Pulverized coal for injection
Q	Outflow rate of pond
ROM	Run of mine
RSA	Regional Study Area
SCS	Soil Conservation Service
Shell	Shell Canada Limited
SPT	Standard Penetration Testing
t	tonne

Acronym / Abbreviation	Definition
TBS	Teetered bed separators
tC	Time of concentration
the Project	Crown Mountain Coking Coal Project
TLO	Truck Loadout
TSS	Total suspended solids
U.S.	United States
UBC	University of British Columbia
USD	United States Dollars
V	Velocity
w/w	weight/weight
XRD	X-ray Diffraction

#### 4. Consultation and Engagement

Acronym / Abbreviation	Definition
AIR	Application Information Requirements
AMA	Access Management Area
ARD	Acid rock drainage
ATV	All-terrain vehicle
B.C.	British Columbia
CCRIFIC	Canadian Columbia River Inter-Tribal Fisheries Commission
CEA Act	Canadian Environmental Assessment Act
CEAA	Canadian Environmental Assessment Agency
CFP	Canadian Forest Products Ltd
CMER	Coal Mining Effluent Regulations
CSKT	Confederated Salish and Kootenai Tribes
CWS	Canadian Wildlife Service
DEQ	Montana Department of Environmental Quality
DFO	Fisheries and Oceans Canada
EA	Environmental Assessment
EAC	Environmental Assessment Certificate
EAO	British Columbia Environmental Assessment Office

Acronym / Abbreviation	Definition
ECCC	Environment and Climate Change Canada
EIS	Environmental Impact Statement
EPIC	Electronic Project Information Centre
ESA	Elkford Snowmobile Association
EV-CEMF	Elk Valley Cumulative Effects Management Framework
EVM Nation	Elk Valley Métis Nation
FLNRO	B.C. Ministry of Forest, Lands and Natural Resource Operations
GHG	Greenhouse gas
GIS	Geographic Information System
HC	Health Canada
HHERA	Human Health and Ecological Risk Assessment
IAAC	Impact Assessment Agency of Canada
ICP	Indigenous Consultation Plan
INAC	Indigenous and Northern Affairs Canada
ITK	Indigenous Traditional Knowledge
KNC	Ktunaxa Nation Council
LKMRWC	Lake Koocanusa Monitoring and Research Working Group
LSA	Local Study Area
MARR	Ministry of Indigenous Relations and Reconciliation
MEM	Ministry of Energy and Mines
MEMLCI	Ministry of Energy, Mines and Low Carbon Innovation
MEMPR	Ministry of Energy Mines and Petroleum Resources
MJTST	Ministry of Jobs, Tourism and Skills Training
ML	Metal leaching
MNA	Métis Nation of Alberta
MNBC	Métis Nation of British Columbia
MOE	Ministry of Environment
MOTI	Ministry of Transportation and Infrastructure
MOU	Memorandum of Understanding
MPMO	Major Projects Management Office
MYAB	Multiple Year Area Based



Acronym / Abbreviation	Definition
NOW	Notice of Work
NRCan	Natural Resources Canada
NTBC	Nature Trust of BC
NWP	NWP Coal Canada Ltd
OGMA	Old Growth Management Area
PCP	Public Consultation Plan
RSA	Regional Study Area
SIB	Shuswap Indian Band
TC	Transport Canada
Teck	Teck Coal Limited
TEM	Terrestrial Ecosystem Mapping
TLU	Traditional Land Use
U.S. EPA	United States Environmental Protection Agency
VC	Valued component

## 5. Effects Assessment Scope and Approach

Acronym / Abbreviation	Definition
AIR	Application Information Requirements
BACT	Best Achievable Control Technology
BCCDC	BC Conservation Data Centre
Canwel	Canwel Building Materials Group
CEAA	Canadian Environmental Assessment Agency
CLIR	Cross-Linked Information Resources
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
EA	Environmental Assessment
EAO	Environmental Assessment Office
ECCC	Environment and Climate Change Canada
eDNA	Environmental DNA
EIS	Environmental Impact Statement
EMA	Environmental Management Act
ENV	B.C Ministry of Environment and Climate Change Strategy

Acronym / Abbreviation	Definition
EV-CEMF	Elk Valley Cumulative Effects Management Framework
EVWQP	Elk Valley Water Quality Plan
FLNRORD	B.C. Ministry of Forests, Lands, Natural Resource Operations and Rural Development
G	Government
IAAC	Impact Assessment Agency of Canada
IG	Indigenous Group
km	kilometre
KNC	Ktunaxa Nation Council
kV	kilovolt
LSA	Local Study Area
MBCm	million bank cubic metres
Mt	million tonne
MW	megawatt
NGO	Non-governmental organization
O	Other
P/S	Public/Stakeholder
ROM	Run-of-mine
RSA	Regional Study Area
SARA	Species at Risk Act
Swift	Fording River Operations Swift
TC Energy	TransCanada Energy
Teck	Teck Resources Limited
TEK	Traditional Ecological Knowledge
TEM	Terrestrial Ecosystem Mapping
USACE	United States Army Corps of Engineers
VC	Valued component

## 6. Atmospheric Environment Assessment

Acronym / Abbreviation	Definition
$\mu\text{g}/\text{m}^3$	micrograms per cubic metre
AAAQG	Alberta Ambient Air Quality Guidelines

Acronym / Abbreviation	Definition
AIR	Application Information Requirements
ANFO	Ammonium nitrate/fuel oil
AQ	Air quality
AQMS	National Air Quality Management System
ARM	Ambient Ratio Method
ATV	All-terrain vehicle
B.C.	British Columbia
B.C. AAQOs	British Columbia Ambient Air Quality Objectives
B.C. AQDMG	British Columbia Air Quality Dispersion Modelling Guideline
B.C. MOE	British Columbia Ministry of Environment
BMPs	Best management practices
CAAQS	Canadian Ambient Air Quality Standards
CACs	Criteria air contaminants
CCME	Canadian Council of Ministers of the Environment
CEPA	Canadian Environmental Protection Act
CH <sub>4</sub>	Methane
CHPP	Coal Handling Process Plant
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
CO <sub>2</sub> e	Carbon dioxide equivalent unit
Dillon	Dillon Consulting Limited
DPM	Diesel particulate matter
EAO	British Columbia Environmental Assessment Office
EA	Environmental Assessment
ECCC	Environment and Climate Change Canada
EIS	Environmental Impact Statement
EMPR	British Columbia Ministry of Energy, Mines and Petroleum Resources
ENV	British Columbia Ministry of Environment and Climate Change Strategy
EVO DTAM	EVO Downtown Centennial Square
GHG	Greenhouse gas

Acronym / Abbreviation	Definition
ha	hectare
km	kilometre
km/h	kilometres per hour
km <sup>2</sup>	square kilometre
kPa	kilopascals
LSA	Local Study Area
m amsl	metres above mean sea level
mg/dm <sup>2</sup> /day	milligrams per square decimetre per day
mm	millimetre
Mt	metric tonnes
N <sub>2</sub> O	Nitrous oxide
NAAQOs	National Air Quality Objectives
NIR	National Inventory Report
NO <sub>2</sub>	Nitrogen dioxide
North Coal	North Coal Limited
NO <sub>x</sub>	Oxides of nitrogen
NPRI	National Pollutant Release Inventory
O <sub>3</sub>	Ozone
PAH	Polycyclic aromatic hydrocarbon
PCIC	Pacific Climate Impacts Consortium
PCO	Pollutant Control Objectives
PM	Particulate matter
RAMP	Regional Air Monitoring Program
ROM	Run of mine
RSA	Regional Study Area
RWDI	RWDI Consulting Engineers and Scientists
SO <sub>2</sub>	Sulphur dioxide
SO <sub>x</sub>	Sulphur oxides
Teck	Teck Coal Limited
the Project	Crown Mountain Coking Coal Project
TSP	Total suspended particulate

Acronym / Abbreviation	Definition
U.S.A.	United States of America
VC	Valued component
VOCs	Volatile organic compounds
W/m <sup>2</sup>	watt per square metre
WRF	Weather Researching and Forecasting
WWTP	Whispering Winds Trailer Park

## 7. Acoustic Environment Assessment

Acronym / Abbreviation	Definition
AIR	Application Information Requirements
ANSI	American National Standards Institute
ASL	ambient sound level
ATV	All-terrain vehicle
avg	Average
B.C. OGC	B.C. Oil and Gas Commission
BMPs	Best management practices
CEAA	Canadian Environmental Assessment Agency
CHPP	Coal Handling Process Plant
CP	Canadian Pacific
dB	decibel
dBA	A-weighted decibels
dB <sub>L</sub>	Unweighted sound pressure level
DFO	Fisheries and Oceans Canada
EAO	Environmental Assessment Office
ECCC	Environment and Climate Change Canada
EIS	Environmental Impact Statement
EPCMM	Environment Canada Environmental Code of Practice for Metal Mines
G	Government
GPS	Global Positioning System
ha	hectare
HHRA	Human Health Risk Assessment

Acronym / Abbreviation	Definition
Hz	hertz
IG	Indigenous Group
ISO	International Organization for Standardization
kg	kilogram
kPa	kilopascal
km	kilometre
KNC	Ktunaxa Nation Council
L90	90th percentile
Ldn	Day-night sound level
Leq	Equivalent sound level
LeqA	A-weighted equivalent sound level
Lpeak	Peak noise level
LSA	Local Study Area
MBCm	million bank cubic metres
ML#	Monitoring location ID
mm/s	millimetres per second
ms	millisecond
NPC	Noise Pollution Control
O	Other
P/S	Public/Stakeholder
psi	pounds per square inch
PSL	Permissible sound level
R#	Receptor ID
RI	Report of Investigations
RLO	Rail loadout
ROM	Run-of-mine
RSA	Regional Study Area
RWDI	RWDI Air Inc.
the Project	Crown Mountain Coking Coal Project
U.S.	United States
VC	Valued component

Acronym / Abbreviation	Definition
Δ HA %	Change in percent highly annoyed

## 8. Soil and Terrain Assessment

Acronym / Abbreviation	Definition
a msl	above mean sea level
ALS	ALS Environmental
ATV	All-terrain vehicle
B.C. MOE	British Columbia Ministry of Environment
B[a]P	Benzo(a)pyrene
BEC	Biogeoclimatic Ecosystem Classification
BGC	BGC Engineering Inc.
BGC	Biogeoclimatic
BMPs	Best management practices
Ca	Calcium
CCME	Canadian Council of Ministers of the Environment
CHPP	Coal Handling Process Plant
CSQG	Canadian Soil Quality Guidelines
CSR	Contaminated Sites Regulation
CWD	Coarse woody debris
DFO	Fisheries and Oceans Canada
EAO	British Columbia Environmental Assessment Office
EAO	Environmental Assessment Office
ECCC	Environment and Climate Change Canada
EIS	Environmental Impact Statement
ENV	British Columbia Ministry of Environment and Climate Change Strategy
ESCP	Erosion and Sediment Control Plan
FLNRORD	British Columbia Ministry of Forests, Lands, Natural Resources and Rural Development
FRPA	Forest and Range Practices Act
FSR	Forest Service Road
H	High

Acronym / Abbreviation	Definition
ha	hectare
HADD	Harmful alteration, disruption, or destruction
HCL	Hydrochloric acid
IACR	Index of Additive Cancer Risk
KES	Keefer Ecological Services Ltd.
kg	kilograms
km <sup>2</sup>	square kilometres
L	Low
LiDAR	Light Detection and Ranging
LSA	Local Study Area
m	metre
Mg	Magnesium
mg	milligram
ML ARDP	Metal Leaching and Acid Rock Drainage Plan
ML/ARD	Metal leaching and acid rock drainage
mm	millimetre
MOF	British Columbia Ministry of Forests
MOFR	British Columbia Ministry of Forests and Range
MRSF	Mine Rock Storage Facility
Na	Sodium
PAH	Polycyclic aromatic hydrocarbon
RIC	Resources Inventory Committee
RSA	Regional Study Area
SEP	Soil erosion potential
SMU	Soil Map Unit
SSP	Soil salvage potential
SWMP	Site Water Management Plan
TEI	Terrestrial Ecosystem Information
TEM	Terrestrial Ecosystem Mapping
TotN	Total Kjeldahl nitrogen
TPE	Total potency equivalence



Acronym / Abbreviation	Definition
TS	Terrain stability
UTM	Universal Transverse Mercator
VC	Valued component
VH	Very High
VL	Very Low

## 9. Groundwater Assessment

Acronym / Abbreviation	Definition
°C	degrees Celsius
µm	micrometre
µS/cm	microsiemens per centimetre
AIR	Application Information Requirements
ANFO	Fixed emulsion and ammonium nitrate
ARD	Acid rock drainage
ATV	All-terrain vehicle
AW	Aquatic life protection
AWT	Active Water Treatment
B.C.	British Columbia
BACT	Best Achievable Control Technology
BGC	BGC Engineering Ltd.
BR	Bedrock
C	Modelled concentration
C'	Extracted concentration from the numerical model
C/Co	Contaminant ratio
CO	Modelled source concentration
Ca-CO <sub>3</sub>	Calcium carbonate
CaSO <sub>4</sub> ·2H <sub>2</sub> O	Selenite
Cb	Background concentration
CCME	Canadian Council of Ministers of the Environment
CHPP	Coal Handling Process Plant
CMER	Coal Mining Effluent Regulations

Acronym / Abbreviation	Definition
COCs	Constituents of concern
Cs	Actual source term concentration
CSR	Contaminated Sites Regulation
CWQG	Canadian Water Quality Guidelines
DEM	Digital elevation model
DFO	Fisheries and Oceans Canada
DO	Dissolved oxygen
DW	Drinking water
EA	Environmental Assessment
EAO	Environmental Assessment Office
EC	Electrical conductivity
EIS	Environmental Impact Statement
EMA	Environmental Management Act
ENV	B.C. Ministry of Environment and Climate Change Strategy
EOM	End-of-mining
EPM	Equivalent Porous Media
ESCP	Erosion and Sediment Control Management Plan
EVWQP	Elk Valley Water Quality Plan
FF	Fernie Formation
FLNRORD	B.C. Ministry of Forests, Lands, Natural Resources Operations and Rural Development
FSR	Forest Service Road
FWAL	Freshwater Aquatic Life
G	Government
GCDWQ	Health Canada Guidelines for Canadian Drinking Water Quality
gpm	gallons per minute
GPS	Global Positioning System
GW	Groundwater
ha	hectare
IG	Indigenous group
IW	Irrigation water

Acronym / Abbreviation	Definition
K	Hydraulic conductivity
K/R	Hydraulic conductivity/recharge
km/hr	kilometres per hour
KNC	Ktunaxa Nation Council
kPa	kilopascal
Kx	Horizontal hydraulic conductivity
Ky	Hydraulic conductivity parallel to bedding
Kz	Vertical hydraulic conductivity or hydraulic conductivity perpendicular to bedding
L	litre
L/min	litres per minute
L/s	litres per second
LiDAR	Light Detection and Ranging
LTC	Long-term closure
LW	Livestock watering
m ags	metres above ground surface
m asl	metres above sea level
m bgs	metres below ground surface
m TOC	metres below top of casing
m/d	metres per day
m/s	metres per second
m <sup>2</sup> /s	metres squared per second
m <sup>3</sup> /d	cubic metre per day
MAP	Mean annual precipitation
MF	Morrissey Formation
mg/kg	milligrams per kilogram
mg/L	milligrams per litre
ML/ARD	metal leaching/acid rock drainage
mm	millimetre
mm/yr	millimetres per year
MMF	Mist Mountain Formation

Acronym / Abbreviation	Definition
MRSF	Mine Rock Storage Facility
N <sub>2</sub> gas	Nitrogen gas
na	Not applicable
Na-K-Cl	Sodium-potassium-chloride
NH <sub>3</sub>	Ammonia
NH <sub>4</sub> <sup>+</sup>	Ammonium
non-PAG	non-Potentially Acid Generating
NRCan	Natural Resources Canada
NRMSE	Normalized root mean squared error
O	Other
ORP	Oxidation-reduction potential
OVB	Overburden
P/S	Public/Stakeholder
PAG	Potentially Acid Generating
PAH	Polycyclic aromatic hydrocarbon
Ptest	Pumping test
QA/QC	Quality Assurance/Quality Control
ROM	Run-of-mine
S	Storativity
SeO <sub>4</sub> <sup>2-</sup>	Selenate
SO <sub>4</sub>	Sulfate
SP	Seepage point
SPC	Specific conductivity
SRK	SRK Consulting
Ss	Specific storage
STRM	Shuttle Land Elevation Mission
SW	Surface water
SWMP	Site Water Management Plan
TARP	Trigger Action Response Plan
TDS	Total dissolved solids
Teck	Teck Resources Limited

Acronym / Abbreviation	Definition
TOC	Top of casting
TSS	Total suspended solids
VC	Valued component
WQG	B.C. Approved Water Quality Guidelines
WQT	Water Quality Target

## 10. Surface Water Quantity Assessment

Acronym / Abbreviation	Definition
°C	degrees Celsius
AIR	Application Information Requirements
AR5	Fifth Assessment Report
BMPs	Best management practices
EAO	Environmental Assessment Office
EA	Environmental Assessment
EIS	Environmental Impact Statement
EV-CEMF	Elk Valley Cumulative Effects Management Framework
FLNRORD	Ministry of Forests, Lands, Natural Resource Operations and Rural Development
IPCC	Intergovernmental Panel on Climate Change
km	kilometre
km <sup>2</sup>	square kilometre
L/s/km <sup>2</sup>	litres per second per square kilometre
LOM	life-of-mine
LSA	Local Area Study
m	metre
m ASL	metres above sea level
m <sup>3</sup> /s	cubic metres per second
m <sup>3</sup> /yr	metres cubed per year
mm	millimetre
NGO	Non-governmental organization
PCIC	Pacific Climate Impacts Consortium
RCP	Representative Concentration Pathway

Acronym / Abbreviation	Definition
RSA	Regional Study Area
RWQM	Regional Water Quality Model
SRK	SRK Consulting
SRK	SRK Consulting, Inc.
SWWQ	Site Wide Water Quality
VC	Valued component
WSC	Water Survey of Canada

## 11. Surface Water Quality Assessment

Acronym / Abbreviation	Definition
°C	degrees Celsius
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre
AEMP	Aquatic Effects Monitoring Program
Ag	Silver
AIR	Application Information Requirements
Al	Aluminum
ANFO	Fixed emulsion and ammonium nitrate
AR5	Fifth Assessment Report
ARD	Acid rock drainage
As	Arsenic
B	Boron
B.C.	British Columbia
Ba	Barium
BACT	Best Achievable Control Technology
Be	Beryllium
Bi	Bismuth
BMPs	Best management practices
Ca	Calcium
CBWQ	Columbia Basin Water Quality Monitoring Project
CCME	Canadian Council of Ministers of the Environment

Acronym / Abbreviation	Definition
Cd	Cadmium
CHPP	Coal Handling Process Plant
Cl	Chloride
CMER	Coal Mining Effluent Regulations
Co	Cobalt
Cr	Chromium
Cu	Copper
CWQG	Canadian Water Quality Guideline
DFO	Fisheries and Oceans Canada
DO	Dissolved oxygen
DOC	Dissolved Organic Carbon
EAO	Environmental Assessment Office
EA	Environmental Assessment
ECCC	Environment and Climate Change Canada
EIS	Environmental Impact Statement
ENV	B.C. Ministry of Environment and Climate Change Strategy
EVWQP	Elk Valley Water Quality Plan
F	Fluoride
Fe	Iron
FLNRORD	B.C. Ministry of Forests, Lands, Natural Resource Operations and Rural Development
G	Government
ha	hectare
Hg	Mercury
IAAC	Impact Assessment Agency of Canada
IG	Indigenous Group
IPCC	Intergovernmental Panel on Climate Change
K	Potassium
kg/d	kilograms per day
km	kilometre
km <sup>2</sup>	square kilometre

Acronym / Abbreviation	Definition
KNC	Ktunaxa Nation Council
L	litre
Li	Lithium
LSA	Local Study Area
m	metre
m asl	metres above sea level
m <sup>3</sup>	cubic metres
Mg	Magnesium
mg/kg	milligrams per kilogram
mg/L	milligrams per litre
ML/ARD	Metal leaching/acid rock drainage
Mn	Manganese
Mo	Molybdenum
MOE	Ministry of Environment
MU	Management Unit
Mv	millivolts
Na	Sodium
NGO	Non-governmental organization
NH <sub>3</sub>	Ammonia
NH <sub>4</sub> NO <sub>3</sub>	Ammonium nitrate
Ni	Nickel
NO <sub>2</sub>	Nitrite
NO <sub>3</sub>	Nitrate
NRCan	Natural Resources Canada
NTU	nephelometric turbidity unit
O	Other
P	Phosphorus
P/S	Public/Stakeholder
PAG	Potentially Acid Generating
PAHs	Polycyclic aromatic hydrocarbons
Pb	Lead



Acronym / Abbreviation	Definition
RCP	Representative Concentration Pathway
Redox	Oxidation-reduction potential
ROM	Run of mine
RSA	Regional Study Area
RWQM	Regional Water Quality Model
S	Sulphur
Sb	Antimony
Se	Selenium
Si	Silicon
Sn	Tin
SO4	Sulphate
Sr	Strontium
SRF	Saturated rock fill
SRK	SRK Consulting, Inc.
SWWQ	Site-wide water quality
Teck	Teck Resources Limited
Ti	Titanium
TI	Thallium
TOC	Total Organic Carbon
TPM	Total particulate matter
TSS	Total suspended solids
U	Uranium
U.S.	United States
U.S.A.	United States of America
UCL	Upper Confidence Limit
V	Vanadium
VC	Valued component
WQG	Water Quality Guideline
Zn	Zinc
Zr	Zirconium

## 12. Fish and Fish Habitat Assessment

Acronym / Abbreviation	Definition
µg/g	microgram/gram
µg/L	microgram/litre
µm	Micrometre
AEMP	Aquatic Effects Monitoring Program
AFDM	Ash-free Dry Biomass
Ag	Silver
AIR	Application Information Requirements
As	Arsenic
AW	Aquatic Watershed
B.C.	British Columbia
B.C. CDC	British Columbia Conservation Data Centre
B.C. IFG	British Columbia Instream Flow Guidelines
BB	Burbot
B.C. MOE	British Columbia Ministry of Environment
BEAST	Benthic Assessment of Sediment
BEC	Biogeoclimatic Ecosystem Classification
BMPs	Best management practices
BS	Spruce Beetle
BT	Bull Trout
CABIN	Canadian Benthic Aquatic Biomonitoring Network
CaCO <sub>3</sub>	Calcite
CaMg(CO <sub>3</sub> ) <sub>2</sub>	Dolomite
Cc	Calcite concretion
CCME	Canadian Council of Ministers of the Environment
Cd	Cadmium
CEQG	Canadian Environmental Quality Guidelines
chl-a	Chlorophyll-a
CHPP	Coal Handling Process Plant
CI	Calcite Index
cm	centimetre

Acronym / Abbreviation	Definition
cm <sup>2</sup>	Square centimetre
CO <sub>2</sub>	Carbon dioxide
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
Cp	Calcite presence
Cr	Chromium
Cu	Copper
CWQG	Canadian Water Quality Guidelines
DELT	Deformations, erosions, lesions, and tumours
DFO	Fisheries and Oceans Canada
Dillon	Dillon Consulting Limited
DO	Dissolved oxygen
DU	Designatable Unit
dw	Dry weight
EAO	Environmental Assessment Office
EB	Eastern Brook Trout
ECA	Equivalent clear-cut area
ECCC	Environment and Climate Change Canada
EIS	Environmental Impact Statement
ENV	Ministry of Environment and Climate Change Strategy
EV-CEMF	Elk Valley Cumulative Effects Management Framework
EVWQP	Elk Valley Water Quality Plan
Fe	Iron
FFH	Fish and Fish Habitat
FHAP	Fish Habitat Assessment Procedures
FHF	The Forest Health Factor
FLNRORD	Ministry of Forests, Lands, Natural Resources Operations and Rural Development
FMU	Forest Management Unit
FPCBC	Forest Practices Code of British Columbia
g	gram
H <sup>+</sup>	Hydrogen ion

Acronym / Abbreviation	Definition
ha	hectare
HADD	Harmful alteration, disruption, and destruction
Hg	Mercury
HHERA	Human Health and Ecological Risk Assessment
HQ	Hazard quotient
IAAC	Impact Assessment Agency of Canada
IBD	Douglas Fir Beetle
IGM	Mountain Pine Beetle
ISQG	Interim Sediment Quality Guidelines
km	kilometre
km <sup>2</sup>	square kilometre
KNC	Ktunaxa Nation Council
KO	Kokanee
kPa	kilopascal
LNS	Longnose Sucker
LSA	Local Study Area
LWD	Large woody debris
m	metre
m <sup>2</sup>	square metre
m <sup>3</sup> /s	cubic metre per second
MAD	Mean Annual Discharge
mg/kg	milligram/kilogram
mg/L	milligram/litre
mg/m <sup>2</sup>	milligram/square metre
mm	millimetre
mm/s	millimetre/second
Mn	Manganese
MOTI	Ministry of Transportation and Infrastructure
MW	Mountain Whitefish
N <sub>2</sub>	Nitrogen
NGO	Non-governmental organization

Acronym / Abbreviation	Definition
Ni	Nickel
NO <sub>3</sub>	Nitrate
PAG	Potentially Acid Generating
PAH	Polycyclic Aromatic Hydrocarbon
Pb	Lead
PEL	Probable Effects Level
PPV	Peak Particle Velocity
Q <sub>20</sub>	20th percentile
Q <sub>90</sub>	90th percentile
RCA	Reference Condition Approach
RISC	Reconnaissance 1:20,000 Fish and Fish Habitat Inventory Standards and Procedures
RIVPACS	River Invertebrate Prediction and Classification System
ROM	Run of mine
RSA	Regional Study Area
SARA	Species at Risk Act
Se	Selenium
Se <sup>0</sup>	Elemental selenium
SeO <sub>3</sub> <sup>2-</sup>	Selenite
SeO <sub>4</sub> <sup>-</sup>	Selenate
Teck	Teck Resources Limited
TEM	Terrestrial Ecosystem Mapping
THLB	Timber harvest land base
TOC	Total Organic Carbon
TPM	Total particulate matter
TSA	Timber Supply Area
TSS	Total suspended solids
U.S. EPA	United States Environmental Protection Agency
U.S.A.	United States of America
VC	Valued component
WCT	Westslope Cutthroat Trout

Acronym / Abbreviation	Definition
WQG	Water Quality Guidelines
WQO	Water Quality Objective
WSQG	Working Sediment Quality Guideline
ww	Wet weight
Zn	Zinc

### 13. Landscapes and Ecosystem Assessment

Acronym / Abbreviation	Definition
ARHMS	Alberta Riparian Habitat Management Society
AIR	Application Information Requirements
ARHMS	Alberta Riparian Habitat Management Society
ATV	All-terrain vehicle
B.C.	British Columbia
B.C. CDC	B.C. Conservation Data Centre
B.C. MOE	B.C. Ministry of Environment
B.C. WQG	B.C. Water Quality Guidelines
BC FPC	British Columbia Forest Practices Code
BCE	BC Environment
BCTS	B.C. Timber Sales
BEC	Biogeoclimatic Ecosystem Classification
BGC	Biogeoclimatic
BMPs	Best management practices
CBT	Columbia Basin Trust
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CWD	Coarse woody debris
DEM	Digital Elevation Model
DFO	Fisheries and Oceans Canada
EAO	Environmental Assessment Office
EDRR	Early Detection and Rapid Response
EIS	Environmental Impact Statement
EKISC	East Kootenay Invasive Species Council

Acronym / Abbreviation	Definition
EMPR	Ministry of Energy, Mines and Petroleum Resources
ENV	Ministry of Environment and Climate Change Strategy
ESSF	Engelmann Spruce-Subalpine Fir
ESSFdk1	Dry Cool Engelmann Spruce-Subalpine Fir
ESSFdkp	Dry Cool Parkland Engelmann Spruce-Subalpine Fir
ESSFdkw	Dry Cool Woodland Engelmann Spruce-Subalpine Fir
EV-CEMF	Elk Valley Cumulative Effects Management Framework
EWG	Ecosystems Working Group
FLB	Forested Land Base
FLNRORD	B.C. Ministry of Forests, Lands, Natural Resources Operations and Rural Development
FWCP	Fish and Wildlife Compensation Program
ha	hectare
HADD	Harmful alteration, disruption, and destruction
IAAC	Impact Assessment Agency of Canada
IAPP	Invasive Alien Plant Program
ICH	Interior Cedar-Hemlock
IDF	Interior Douglas-Fir
IMA	Interior Mountain Heather-Alpine
ISCBC	Invasive Species Council of British Columbia
IPMA	Invasive Plant Management Area
KBHLPO	Kootenay Boundary Higher Level Plan Order
KES	Keefer Ecological Services Ltd.
km	kilometre
km <sup>2</sup>	square kilometres
KNC	Ktunaxa Nation Council
Kootenay Boundary Land and Resource Management Plan	KBLUP
LiDAR	Light Detection and Ranging
LSA	Local Study Area
LU	Landscape unit
m asl	metres above sea level

Acronym / Abbreviation	Definition
m <sup>3</sup>	cubic metres
MBCA	Migratory Birds Convention Act
MGMT	Mountain Goat Management Team
MoF	British Columbia Ministry of Forests
MOTI	Ministry of Transportation and Infrastructure
MS	Montane Spruce
MSdw	Dry Warm Montane Spruce
NGO	Non-governmental organization
NWWG	National Wetlands Working Group
NYDEC	New York Department of Environmental Conservation
OGMA	Old Growth Management Areas
PEM	Predictive Ecosystem Mapping
RDEK	Regional District of East Kootenay
RISC	Resource Inventory Standards Committee
RMZ	Resource Management Zones
RSA	Regional Study Area
SARA	Species at Risk Act
spp.	several species
Teck	Teck Coal Limited
TEM	Terrestrial Ecosystem Mapping
TSA	Timber Supply Area
U.S.A	United States of America
USDA FS	United States Department of Agriculture Forest Service
VC	Valued component
VRI	Vegetation Resource Inventory
WSA	Water Sustainability Act
WSP	Wetland Stewardship Partnership

#### 14. Vegetation Assessment

Acronym / Abbreviation	Definition
ACIMS	Alberta Conservation Information Management System



Acronym / Abbreviation	Definition
AIR	Application Information Requirements
ANPC	Alberta Native Plant Council
ATV	All-terrain vehicle
AWLPRT	Alberta Whitebark and Limber Pine Recovery Team
B.C.	British Columbia
B.C. CDC	B.C. Conservation Data Centre
BEC	Biogeoclimatic Ecosystem Classification
BGC	Biogeoclimatic
BMPs	Best management practices
CEAA	Canadian Environmental Assessment Act
CEPA	Canadian Environmental Protection Act
CHPP	Coal Handling Process Plant
cm	centimetre
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CP	Canadian Pacific
DBH	Diameter-at-breast-height
EAO	B.C. Environmental Assessment Office
ECCC	Environment and Climate Change Canada
EDRP	Early Detection and Rapid Response
EIS	Environmental Impact Statement
EKISC	East Kootenay Invasive Species Council
EMA	Environmental Management Act
EV-CEMF	Elk Valley Cumulative Effects Management Framework
FLNRORD	B.C. Ministry of Forests, Lands, Natural Resource Operations and Rural Development
ha	hectare
KBLUP	Kootenay Boundary Land and Resource Management Plan
KES	Keefer Ecological Services
km <sup>2</sup>	square kilometres
LSA	Local Study Area
m	metre

Acronym / Abbreviation	Definition
m asl	metres above sea level
m <sup>2</sup>	square metres
m <sup>3</sup>	cubic metres
MOTI	Ministry of Transportation and Infrastructure
NGO	Non-governmental organization
PEM	Predictive Ecosystem Mapping
RDEK	Regional District of East Kootenay
RMZ	Resource Management Zones
ROM	Run of mine
RSA	Regional Study Area
SARA	Species at Risk Act
TEM	Terrestrial Ecosystem Mapping
U.S.A.	United States of America
VC	Valued component
VRI	Vegetation Resource Inventory
WLNP	Waterton Lakes National Park

#### 15. Wildlife and Wildlife Habitat Assessment

Acronym / Abbreviation	Definition
AB	Alberta
AIR	Application Information Requirements
AMA	Access Management Area
amsl	above mean sea level
APLIC	Avian Power Line Interaction Committee
asl	above sea level
ATV	All-terrain vehicle
B.C.	British Columbia
B.C. CDC	British Columbia Conservation Data Centre
B.C. MOE	British Columbia Ministry of Environment
BCR	Bird Conservation Region
BEC	Biogeoclimatic Ecosystem Classification

Acronym / Abbreviation	Definition
BGC	Biogeoclimatic
BMPs	Best management practices
CCME	Canadian Council of Ministers of the Environment
CEAA	Canada Environmental Assessment Agency
CEPA	Canadian Environmental Protection Act
CHPP	Coal Handling Process Plant
cm	centimetre
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CP	Canadian Pacific
CWD	Coarse woody debris
CWQG	Canadian Water Quality Guideline
dB	decibel
dBA	A-weighted decibel
DBH	Diameter at breast height
DRM	Rocky Mountain Forest District
dw	dry weight
EA	Environmental Assessment
EAO	British Columbia Environmental Assessment Office
ECCC	Environment and Climate Change Canada
EIS	Environmental Impact Statement
EMA	Environmental Management Act
ENV	British Columbia Ministry of Environment and Climate Change Strategy
ESSF	Engelmann Spruce - Subalpine Fir
ESSFdk1	Dry Cool Englemann Spruce-Subalpine Fir
ESSFdkw	Dry Cool Woodland Engelmann Spruce Subalpine Fir
EV-CEMF	Elk Valley Cumulative Effects Management Framework
EVWQP	Elk Valley Water Quality Plan
FLNRO	British Columbia Ministry of Forests, Lands, and Natural Resource Operations
FLNRORD	British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development

Acronym / Abbreviation	Definition
FRPA	Forest and Range Practices Act
FSR	Forest Service Road
GAR	Government Actions Regulation
GBPU	Grizzly Bear Population Unit
GOABC	Guide Outfitters Association of British Columbia
Government of B.C.	Government of British Columbia
ha	hectare
HSI	Habitat suitability index
ICH	Interior Cedar-Hemlock
IDF	Interior Douglas-fir
IMA	Interior Mountain Heather - Alpine
IUCN	IUCN SCC Amphibian Specialist Group
IWMS	Identified Wildlife Management Strategy
KBLUP	Kootenay Boundary Land and Resource Management Plan
kg	kilogram
kHz	kilohertz
KIAMC	Kootenay Inter-Agency Management Committee
km	kilometre
km <sup>2</sup>	square kilometre
KNC	Ktunaxa Nation Council
kV	kilovolt
LSA	Local Study Area
m	metre
MBCA	Migratory Birds Convention Act
MELP	British Columbia Ministry of Environment, Land, and Parks
MES	Mitigation Emphasis Site
mg	milligram
MGMT	Mountain Goat Management Team
mm	millimetres
mm/s	millimetres per second
MOE	Ministry of Environment

Acronym / Abbreviation	Definition
MOF	British Columbia Ministry of Forests
MS	Montane Spruce
MSdw	Dry Warm Montane Spruce
MWLAP	British Columbia Ministry of Water, Land, and Air Protection
NABCI	North American Bird Conservation Initiative
NCGBRT	Northern Cascades Grizzly Bear Recovery Team
NDT	Natural Disturbance Type
NGO	Non-governmental organization
OGMA	Old Growth Management Area
PMU	Population Management Unit
Province of B.C.	Province of British Columbia
PSI	pounds per square inch
RISC	Resource Information Standards Committee
RLO	Rail loadout
RMZ	Resource Management Zone
ROM	Run of mine
RSA	Regional Study Area
RSF	Resource selection function
SARA	Species at Risk Act
SE	Standard error
SRGBP	South Rockies Grizzly Bear Project
TEM	Terrestrial Ecosystem Mapping
TSA	Timber Supply Area
U.S. EPA	United States Environmental Protection Agency
U.S.A	United States of America
UWR	Ungulate Winter Range
VC	Valued component
WGI	Wildlife Genetics International
WHA	Wildlife Habitat Area
WHDA	Wildlife Habitat Decision Aid
WHF	Wildlife Habitat Feature

Acronym / Abbreviation	Definition
WMA	Wildlife Management Area
WMU	Wildlife Management Unit
WQG	Water quality guideline

## 16. Physical and Cultural Heritage Assessment

Acronym / Abbreviation	Definition
AIR	Application Information Requirements
amsl	above mean seal level
AOA	Archaeological Overview Assessment
ATV	All-terrain vehicle
B.C.	British Columbia
BMPs	Best management practices
CEA Act	Canadian Environmental Assessment Act
CHPP	Coal Handling Process Plant
cm	centimetre
EA	Environmental Assessment
EAO	British Columbia Environmental Assessment Office
EIS	Environmental Impact Statement
EV-CEMF	Elk Valley Cumulative Effects Management Framework
FLNRORD	British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development
ha	hectare
HAP	High Archaeological Potential
HCA	Heritage Conservation Act
km	kilometre
km <sup>2</sup>	square kilometre
KNC	Ktunaxa Nation Council
LSA	Local Study Area
m	metre
mm	millimetre
NOW	Notice of Work
RCMP	Royal Canadian Mounted Police

Acronym / Abbreviation	Definition
ROM	Run of mine
RSA	Regional Study Area
VC	Valued component

## 17. Economic Conditions Assessment

Acronym / Abbreviation	Definition
2SLGBTQ+	Two-Spirit, lesbian, gay, bisexual, transgender, queer (or questioning)
AIR	Application Information Requirements
B.C.	British Columbia
B.C. EAA	British Columbia Environmental Assessment Act
BCMEM	British Columbia Ministry of Energy and Mines
BFS	Bankable Feasibility Study
CEA Act	Canadian Environmental Assessment Act
EA	Environmental Assessment
EAO	B.C. Environmental Assessment Office
EIS	Environmental Impact Statement
FPS	Fernie Pride Society
FTE	Full-time equivalent
GBA+	Gender Based Analysis Plus
GDP	Gross Domestic Product
ha	hectare
IA	Impact Assessment
IAA	Impact Assessment Act
IO	Input-Output
km	kilometre
LGBTQ2+	Lesbian, gay, bisexual, transgender and questioning and/or queer
LNG	Liquefied natural gas
LSA	Local Study Area
m <sup>3</sup>	cubic metre
MAC	Mining Association of Canada
MiHR	Mining Industry of Human Resources Council

Acronym / Abbreviation	Definition
NCCAH	National Collaborating Centre for Aboriginal Health
NGO	Non-governmental organization
NHS	National Household Survey
NWP	NWP Coal Canada Ltd
OECD	the Organization for Economic Co-operation and Development
PDAC	Prospectors & Developers Association of Canada
PPE	Personal Protection Equipment
RDEK	Regional District of East Kootenay
RSA	Regional Study Area
Teck	Teck Coal Limited
WIMC	Women in Mining Canada

## 18. Socio-Community Assessment

Acronym / Abbreviation	Definition
2SLGBTQ+	Two-Spirit, lesbian, gay, bisexual, transgender, queer (or questioning)
AIR	Application Information Requirements
B.C.	British Columbia
B.C. AAQOs	British Columbia Ambient Air Quality Objectives
BCAS	BC Ambulance Service
CEA Act	Canadian Environmental Assessment Act
COTR	College of the Rockies
CPAEA	Crowsnest Pass Adult Education Association
CPSBC	College of Physicians and Surgeons of British Columbia
dBA	A-weighted decibel
dBL	Unweighted sound pressure level
DSA	Detachment Service Assistants
EA	Environmental Assessment
EAA	British Columbia Environmental Assessment Act
EAO	B.C. Environmental Assessment Office
EIS	Environmental Impact Statement
EKASS	East Kootenay Addiction Services Society



Acronym / Abbreviation	Definition
EKCCRR	The East Kootenay Child Care and Resource Referral
EMS	Emergency Services
EVMN	Elk Valley Métis Nation
FAO	Food and Agriculture Organization of the United Nations
FES	Fire and Emergency Services
FNESS	First Nations Emergency Services Society of British Columbia
FNHA	First Nations Health Authority
FPS	Fernie Pride Survey
GBA+	Gender Based Analysis Plus
ha	hectare
HHERA	Human Health and Ecological Risk Assessment
HSDA	Health Service Delivery Area
IA	Impact Assessment
IAAC	Impact Assessment Agency of Canada
IHA	Interior Health Authority
IICP	Integrated Infrastructure Capital Plan
kg	kilogram
km	kilometre
km/h	kilometres per hour
KREB	Kootenay Real Estate Board
L	Litre
Leq	equivalent sound level
LGBTQ2+	Lesbian, gay, bisexual, transgender and questioning and/or queer
LHA	Local Health Area
LSA	Local Study Area
m <sup>3</sup>	cubic metre
mm/s	millimetres per second
MMWIG	Missing and Murdered Indigenous Women and Girls
MNBC	Métis Nation of British Columbia
MVI	Motor vehicle incident
NGO	Non-governmental organization

Acronym / Abbreviation	Definition
NO <sub>2</sub>	Nitrogen dioxide
PDAC	Prospectors & Developers Association of Canada
PHSA	Provincial Health Services Authority
PPV	Peak particle velocity
PSL	Permissible Sound Level
RCMP	Royal Canadian Mounted Police
RDEK	Regional District of East Kootenay
RSA	Regional Study Area
SD	School District
STARS	Shock Trauma Air Rescue Service
Teck	Teck Coal Limited
TEM	Terrestrial Ecosystem Mapping
TSM	Towards Sustainable Mining
TSP	Total suspended particulate
U.S.A.	United States of America
VC	Valued component
WWTP	Wastewater treatment plant

## 19. Land Use Assessment

Acronym / Abbreviation	Definition
AAC	Annual Allowable Cut
AIR	Application Information Requirements
ALC	Agricultural Land Commission
ALR	Agricultural Land Reserve
AMA	Access Management Area
Canfor	Canadian Forest Products Ltd.
EA	Environmental Assessment
EAO	Environmental Assessment Office
EIS	Environmental Impact Statement
EKB	East Kootenay Basin
ERDZ	Enhanced Resource Development Zone

Acronym / Abbreviation	Definition
EV-CEMF	Elk Valley Cumulative Effects Management Framework
FLNRORD	Ministry of Forests, Lands, Natural Resource Operations and Rural Development
FSR	Forest Service Road
GDTA	Great Divide Trail Association
ha	hectare
KBLUPIS	Kootenay Boundary Land Use Plan Implementation Strategy
LSA	Local Study Area
m asl	metres above sea level
MOF	Ministry of Forests
NUE	No Unauthorized Entry
OCP	Official Community Plan
OGMA	Old Growth Management Area
PSL	Permissible Sound Level
RDEK	Regional District of East Kootenay
RSA	Regional Study Area
Teck	Teck Resources Limited
TSA	Timber Supply Area
VCs	Valued component
VLI	Visual Landscape Inventory
WMU	Wildlife Management Unit

## 20. Effects of the Environment on the Project

Acronym / Abbreviation	Definition
°C	degrees Celsius
AIR	Application Information Requirements
asl	above sea level
B.C.	British Columbia
BMPs	Best management practices
CEAA	Canadian Environmental Assessment Agency
cm	centimetre
CSA	Canadian Standards Association

Acronym / Abbreviation	Definition
DAC	Dynamic Avalanche Consulting Limited
Dillon	Dillon Consulting Limited
EAO	Environmental Assessment Office
ECCC	Environment and Climate Change Canada
EIS	Environmental Impact Statement
GCM	Global Climate Model
ISO	International Organization for Standardization
km	kilometre
km/h	kilometres per hour
kPa	kilopascal
LSA	Local Study Area
m	metre
m/s	metres per second
mm	millimetre
NRC	National Research Council
RACS	Remote Avalanche Control Systems
RCP	Representative Concentration Pathway
SOP	Standard Operating Procedure
t	tonne
VC	Valued component

## 21. Accidents and Malfunctions Assessment

Acronym / Abbreviation	Definition
AIR	Application Information Requirements
asl	above sea level
ATV	All-terrain vehicle
B.C. MOE	B.C. Ministry of Environment
BMPs	Best management practices
C	Construction and Pre-Production phase
CEAA	Canadian Environmental Assessment Agency
CHPP	Coal Handling Process Plant

Acronym / Abbreviation	Definition
Dillon	Dillon Consulting Limited
EA	Environmental Assessment
EAO	Environmental Assessment Office
EIS	Environmental Impact Statement
EOY 4	End of year 4
ESCP	Erosion and Sediment Control Plan
H	Horizontal
ha	hectare
ISO	International Organization for Standardization
LSA	Local Study Area
m	metre
m <sup>3</sup>	cubic metre
MERP	Mine Emergency Response Plan
ML/ARD	Metal leaching and acid rock drainage
mm	millimetre
NS	Effects are not significant
O	Operations phase
P	Post-Closure phase
R	Reclamation and Closure phase
ROM	Run-of-mine
S (L)	Effects are significant and are likely to occur
S (U)	Effects are significant but are not likely to occur
SPCCP	Spill Prevention, Control, and Countermeasures Plan
TCP	Traffic Control Plan
V	Vertical
VCs	Valued Components
VOCs	Volatile organic compounds
WMMP	Wildlife Management and Monitoring Plan

## 22. Human and Ecological Health Assessment

Acronym / Abbreviation	Definition
µg	microgram
ABMP	Area Based Management Plan
AIR	Applications Information Requirements
As	Arsenic
ATV	All-terrain vehicle
B.C.	British Columbia
bw	body weight
CCME	Canadian Council of Ministers of the Environment
Cd	Cadmium
CEA Act	Canadian Environmental Assessment Act
Co	Cobalt
COPC	Contaminant of potential concern
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
Cr	Chromium
EA	Environmental Assessment
EAA	B.C. Environmental Assessment Act
EAO	British Columbia Environmental Assessment Office
EDD	Estimated daily dose
EIS	Environmental Impact Statement
ENV	British Columbia Ministry of Environment and Climate Change Strategy
ERA	Ecological Risk Assessment
ha	hectare
HHERA	Human health and ecological risk assessment
HHRA	Human health risk assessment
HQ	Hazard quotient
ILCR	Incremental lifetime cancer risk
kg	kilogram
km	kilometre
km <sup>2</sup>	square kilometre

Acronym / Abbreviation	Definition
KNC	Ktunaxa Nation Council
KQ	Key Question
LADD	Lifetime amortized daily dose
LSA	Local Study Area
m <sup>3</sup>	cubic metre
mg	milligram
NOAEL	No-observed adverse effects level
NWP	NWP Coal Canada Ltd
ROCs	Receptors of concern
RSA	Regional Study Area
SARA	Species at Risk Act
Se	Selenium
TDI	Tolerable Daily Intake
the Project	Crown Mountain Coking Coal Project
TI	Thallium
TRVs	Toxicity reference values
U.S.A.	United States of America
VC	Valued component
WRD	Waste Rock Dump

### 23 to 31. Indigenous Communities

Acronym / Abbreviation	Definition
AANDC	Aboriginal Affairs and Northern Development Canada
AAQOs	Ambient Air Quality Objectives
AESW	Aboriginal Education Support Workers
AFMS	Alberta Federation of Métis Settlements
AIP	Agreement in Principle
AIR	Application Information Requirements
AOAs	Archaeological Overview Assessments
ASETS	Aboriginal Skills Employment & Training Strategy
ATRI	Aboriginal Treaty Rights and Interests
B.C.	British Columbia

Acronym / Abbreviation	Definition
BC MOE	British Columbia Ministry of Environment and Climate Change Strategy
BCHP	Blackfoot Crossing Historical Park
BCIBIC	British Columbia Indigenous Business and Investment Council
BCMANR	British Columbia Métis Assembly of Natural Resources
BCMF	British Columbia Métis Federation
BEC	Biogeoclimatic Ecosystem Classification
BTAP	Blood Tribe Agricultural Project
BTAP	Tribe Agricultural Project
BTC	Blood Tribe Council
BTDH	Blood Tribe Department of Health
BTED	Blood Tribe Economic Development
CAAQS	Canadian Ambient Air Quality Standards
CANDO	Council for the Advancement of Native Development Officers
CCME	Canadian Council of Ministers of the Environment
CDC	Conservation Data Centre
CEA Act	Canadian Environmental Assessment Act
CEAA	Canadian Environmental Assessment Agency
CEAA-MCFN	CEAA-Mikisew Cree First Nation
CEAM	Cumulative Effects Assessment and Management
CEDI	Municipal Community Economic Development Initiative
CFT7	Community Futures Treaty Seven
CHPP	Coal Handling Process Plant
CO	Carbon Monoxide
CO <sub>2</sub> e/year	Carbon dioxide equivalents per year
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CP	Certificate of Possession
CSQG	Canadian Soil Quality Guideline
CSR	Contaminated Sites Regulation
CWB	Community Well-Being
CWQG	Canadian Water Quality Guideline



Acronym / Abbreviation	Definition
DRIPA	Declaration on the Rights of Indigenous Peoples Act
EA	Environmental Assessment
EAA	Environmental Assessment Act
EAC	Environmental Assessment Certificate
EAO	Environmental Assessment Office
ECAP	Energy Conservation Assistance Program
ECCC	Environment and Climate Change Canada
EIS	Environmental Impact Statement
ELCC	Education Early Learning and Childcare
EMA	Environmental Management Act
ENV	Ministry of Environment and Climate Change Strategy
ESDC	Employment and Social Development Canada
ESSF	Engelmann Spruce - Subalpine Fir
EV-CEMF	Elk Valley Cumulative Effects Management Framework
EVM Nation	Elk Valley Métis Nation
EVWQP	Elk Valley Water Quality Plan
FAO	Food and Agriculture Organization of the United Nations
FCM	Federation of Canadian Municipalities
FCSS	Family and Community Support Services
FLNRORD	Ministry of Forests, Lands, Natural Resource Operations and Rural Development
FNHA	First Nations Health Authority
FNHC	First Nations Health Council
FNHDA	First Nations Health Directors Association
FNLC	First Nations Leadership Council
FNLMRC	First Nations Land Management Resource Centre
FPIC	Free, prior and informed consent
FSR	Forest Service Road
G2G	Government to Government
GDI	Gabriel Dumont Institution
GHG	Greenhouse gas

Acronym / Abbreviation	Definition
ha	hectare
HADD	Harmful alteration, disruption, or destruction
HBC	Hudson's Bay Company
HHERA	Human Health and Ecological Risk Assessment
HIV	Human Immunodeficiency Virus
HQ	Hazard Quotient
HRSDC	Human Resources & Skills Development Canada
IAA	Impact Assessment Act
IAAC	Impact Assessment Agency of Canada
ICH	Interior Cedar-Hemlock
IDF	Interior Douglas-Fir
IMA	Interior Mountain Heather - Alpine
INAC	Indigenous and Northern Affairs Canada
IPC	International Planning Committee for Food Sovereignty
ISC	Indigenous Services Canada
ISET	Indigenous Skills and Employment Training
K/KTC	Ktunaxa/Kinbasket Tribal Council
KABDA	Kootenay Aboriginal Business Development Agency
KBE	Kainai Board of Education
KBLUPIS	Kootenay Boundary Land Use Plan Implementation Strategy
KDC	Kinbasket Development Corporation
KEIS	Ktunaxa Economic and Investment Sector
KKCFSS	Ktunaxa Kinbasket Child & Family Services
KLR	Ktunaxa Land and Resources
KLRC	Ktunaxa Lands and Resources Council
km <sup>2</sup>	square kilometre
KNC	Ktunaxa Nation Council
KNRI	Ktunaxa Nation Rights and Interests
kPa	kilopascal
L/s	litres/second
LSA	Local Study Area

Acronym / Abbreviation	Definition
m asl	metres above sea level
m bgs	m below ground surface
M ROMt	Run-of-mine tonnes
MAA	Métis Association of Alberta
MCHC	Métis Capital Housing Corporation
MÉTIS	Métis Education & Training Information Services
MFCBC	Métis Financial Corporation of British Columbia
ML/ARD	Metal leaching and acid rock drainage
MNA	Métis Nation of Alberta
MNBC	Métis Nation of British Columbia
MNC	Métis Nation Council
MOU	Treaty Memorandum of Understanding
MRSF	Mine Rock Storage Facilities
MS	Montane Spruce
MSGC	Métis Settlements General Council
MSSTI	Métis Settlements Strategic Training Initiatives
MTA	Municipal Type Agreement
MTK	Métis Traditional Knowledge
MUHC	Métis Urban Housing Corporation of Alberta Inc.
NGLP	Niitsitapi - Graham LP
NIR	National Inventory Report
NoW	Notice of Work
NOx	Oxides of nitrogen
NPES	Napi's Playground Elementary School
NWC	North West Company
OGMA	Old Growth Management Area
OSCC	Old Sun Community College
PAH	Polycyclic aromatic hydrocarbon
PFS	Pre-Feasibility Study
PNC	Piikani Nation Consultation
PNSS	Piikani Nation Secondary School

Acronym / Abbreviation	Definition
POHLP	Piikani Oldman Hydro Limited Partnership
PRDL	Piikani Nation Resource Development Limited
QS	Owelminte Secwépemc
RCC	Regional Consultation Coordinator
RCCC	Red Crow Community College
RCMP	Royal Canadian Mounted Police
RDEK	Regional District of East Kootenay
RLI	Rupertsland Institute
RLO	Rail loadout
RMSD6	Rocky Mountain School District #6
RN	Registered Nurse
RSA	Regional Study Area
SARA	Species at Risk Act
SBE	Siksika Board of Education
SCO	Stoney Consultation Office
SCT	Specific Claims Tribunal
SCT	Stoney Consultation Team
SEA	Stoney Education Authority
SEA	Strategic Engagement Agreement
SIB	Shuswap Indian Band
SMU	Soil Map Units
SN	Siksika Nation
SNFN	Stoney Nakoda First Nation
SNTC	Shuswap Nation Tribal Council
SOx	Sulphur oxides
SRDL	Siksika Resource Development Limited Business Group
STA	Stoney Tribal Association
STEPS	MNBC's Skills Training, Employment, and Post-Secondary
STI	Sexually Transmitted Infection
T7FNCA	Treaty 7 First Nations Chief's Association
TEM	Terrestrial Ecosystem Mapping

Acronym / Abbreviation	Definition
TKUA	Traditional Knowledge and Use Assessment
TNC	Tsuut'ina Nation Consultation
TNPS	Tsuut'ina Nation Police Service
tpd	tonnes per Day
TSS	Total suspended solids
U.S. NPS	United States National Park Service
UNDRI	United Nations Declaration on the Rights of Indigenous Peoples
UOM	Use-and-Occupancy Mapping
VC	Valued component
VOC	Volatile organic compound
W/m <sup>2</sup>	Watts/square metre
WLFN	Williams Lake First Nation
WQG	Water quality guideline

### 32. Assessment of Effects on Matters of Federal Jurisdiction

Acronym / Abbreviation	Definition
µg/L	microgram per litre
µg/m <sup>3</sup>	micrograms per cubic metre
AAAQG	Alberta Ambient Air Quality Guidelines
AEMP	Aquatic Effects Monitoring Program
AIR	Application Information Requirements
ATRI/KNRI	Aboriginal and Treaty Rights and Interests/Ktunaxa Nation Rights and Interests
AW	Aquatic Watershed
B.C.	British Columbia
B.C. MOE	British Columbia Ministry of Environment
BCMELP	British Columbia Ministry of Environment, Lands and Parks
CAAQS	Canadian Ambient Air Quality Standards
CaCO <sub>3</sub>	Calcite
CEA Act	Canadian Environmental Assessment Act
CEAA	Canadian Environmental Assessment Agency
CHPP	Coal Handling Process Plant

Acronym / Abbreviation	Definition
CNWA	Canadian Navigable Waters Act
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
DFO	Fisheries and Oceans Canada
DU	Designatable unit
dw	Dry weight
EA	Environmental Assessment
EAO	Environmental Assessment Office
ECCC	Environment and Climate Change Canada
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
EV-CEMF	Elk Valley Cumulative Effects Management Framework
EVWQP	Elk Valley Water Quality Plan
FLNRORD	British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development
GHG	Greenhouse gas
ha	hectare
HADD	harmful alteration, disruption, or destruction
kg	kilogram
kg/d	kilograms per day
km	kilometre
km <sup>2</sup>	square kilometre
KNC	Ktunaxa Nation Council
kPa	kilopascal
LSA	Local Study Area
m	metre
m <sup>2</sup>	square metre
MBCA	Migratory Birds Convention Act
mg/dm <sup>2</sup> /30 days	milligram per square decimetre per 30 days
mg/kg	milligrams per kilogram
ML/ARD	Metal leaching and acid rock drainage
mm/s	millimetres per second

Acronym / Abbreviation	Definition
MRSF	Mine Rock Storage Facility
NO <sub>2</sub>	Nitrogen dioxide
NPA	Navigation Protection Act
NRCan	Natural Resources Canada
PPV	Peak particle velocity
ROM	Run-of-mine
RSA	Regional Study Area
SO <sub>2</sub>	Sulphur dioxide
TEM	Terrestrial Ecosystem Mapping
TSS	Total suspended solids
U.S.A	United States of America
VC	Valued component
WCT	Westslope Cutthroat Trout
WQG	Water quality guideline

### 33. Management and Monitoring Plans

Acronym / Abbreviation	Definition
µg/L	micrograms per litre
A.D.	Anno Domini
AEMP	Aquatic Effects Monitoring Program
AIA	Archaeological Impact Assessment
AIR	Application Information Requirements
AMP	Access Management Plan
ANFO	Ammonium nitrate/fuel oil
ANSI	American National Standards Institute
AOP	Area of archaeological potential
AQGHGMP	Air Quality and GHG Management Plan
AQMS	Air Quality Management System
ARD	Acid rock drainage
B.C.	British Columbia
B.C. MEM	British Columbia Ministry of Energy and Mines
B.C. MOE	British Columbia Ministry of Environment

Acronym / Abbreviation	Definition
B.C. MWLAP	British Columbia Ministry of Water, Land and Air Protection
BEC	Biogeoclimatic Ecosystem Classification
BMPs	Best management practices
BTEX	Benzene, toluene, ethylbenzene and xylene
C/N	Carbon/nitrogen
CAAQS	Canadian Ambient Air Quality Standards
CaCO <sub>3</sub>	Hardness
CaMg(CO <sub>3</sub> ) <sub>2</sub>	Dolomite
CCME	Canadian Council of Ministers of the Environment
CEA Act	Canadian Environmental Assessment Act
CEAA	Canadian Environmental Assessment Agency
CEPA	Canadian Environmental Protection Act
CHPP	Coal Handling Process Plant
cm	centimetre
CMER	Coal Mining Effluent Regulations
CO <sub>2</sub>	Carbon dioxide
CO <sub>2</sub> e	Carbon dioxide equivalent units
COC	Contaminant of concern
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CRCP	Community Relations and Communications Plan
CRP	Compliance Reporting Plan
CSR	Contaminated Sites Regulation
CWD	Coarse woody debris
dBA	A-weighted decibels
dBC	C-weighted decibels
DFO	Fisheries and Oceans Canada
DOC	Dissolved organic carbon
DQR	Data Quality Review
EA	Environmental Assessment
EAO	Environmental Assessment Office
ECCC	Environment and Climate Change Canada



Acronym / Abbreviation	Definition
EDRR	Early Detection and Rapid Response
EIS	Environmental Impact Statement
EMA	Environmental Management Act
EMP	Environmental Management Plan
EMS	Environmental Management System
ENV	B.C. Ministry of Environment and Climate Change Strategy
ERP	Ecological Restoration Plan
ESCP	Erosion and Sediment Control Plan
EV-CEMF	Elk Valley Cumulative Effects Management Framework
EVWQP	Elk Valley Water Quality Plan
FFHMP	Fish and Fish Habitat Management Plan
FLNRO	British Columbia Ministry of Forests, Lands and Natural Resource Operations
FLNRORD	British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development
FRPA	Forest and Range Practices Act
GCDWQ	Health Canada Guidelines for Canadian Drinking Water Quality
GHG	Greenhouse gas
H	High
H <sub>2</sub> CO <sub>3</sub>	Carbonic acid
ha	hectare
HADD	Harmful alteration, disruption, or destruction
HCA	Heritage Conservation Act
HIP	Heritage Inspection Permit
HSMP	Health and Safety Management Plan
HVAC	Heating, ventilation, and air conditioning
Hz	Hertz
ICS	Incident Command System
IERP	Indigenous Engagement and Reporting Plan
IMISWG	Inter-Ministry Invasive Species Working Group
IQR	Interquartile range
ISCBC	Invasive Species Council of British Columbia

Acronym / Abbreviation	Definition
ISO	International Organization for Standardization
JSA	Job Safety Analysis
kg	kilogram
KGE	Kling–Gupta Efficiency
KNC	Ktunaxa Nation Council
kPa	kilopascal
KPI	Key performance indicators
L/s	litres per second
LCL	Lower control limit
LDRP	Landform Design and Reclamation Plan
LSA	Local Study Area
m	metre
m <sup>3</sup> /s	cubic metres per second
MBCA	Migratory Birds Convention Act
MDLs	Method detection limits
MERP	Mine Emergency Response Plan
mg/dm <sup>2</sup> /day	milligram per square decimetre per day
mg/L	milligram per litre
ML	Metals and trace elements
ML/ARD	Metal leaching and acid rock drainage
mm	millimetre
mm/s	millimetres per second
MOF	British Columbia Ministry of Forests
MRSF	Mine Rock Storage Facility
ms	millisecond
Mtpa	million tonnes per year
mV	millivolt
N <sub>2</sub>	Nitrogen
NDC	Nationally Determined Contribution
ng/L	nanograms per litre
NO <sub>3</sub>	Nitrate

Acronym / Abbreviation	Definition
NSE	Nash–Sutcliffe Efficiency
O <sub>2</sub>	Oxygen
OHS	Occupational Health and Safety
OHSAS	Occupational Health and Safety Assessment Series
p.s.i.	pound-force per square inch
PAG	Potentially acid generating
PAH	Polycyclic aromatic hydrocarbon
PBIAS	Percent bias
PCA	Principal component analysis
PPE	Personal protective equipment
PPV	Peak particle velocity
QA/QC	Quality assurance/quality control
Qs	Quartile skew
RCMP	Royal Canadian Mounted Police
RDL	Reported detection limit
RI	Report of Investigations
ROM	Run-of-mine
RPD	Relative percent difference
SAP	Site Alteration Permits
SARA	Species at Risk Act
SD	Standard deviation
Se <sup>0</sup>	Elemental selenium
SeO <sub>3</sub> <sup>2-</sup>	Selenite
SeO <sub>4</sub> <sup>-</sup>	Selenate
SEP	Soil Erosion Potential
SIB	Shuswap Indian Band
SMP	Soil Management Plan
SMU	Soil Map Units
SO <sub>4</sub>	Sulphate
SOP	Standard operating procedures
SPCCP	Spill Prevention, Control, and Countermeasures Plan

Acronym / Abbreviation	Definition
SSP	Soil Salvage Potential
SWMP	Site Water Management Plan
TAR	Trigger Action Response
TCP	Traffic Control Plan
TDS	Total dissolved solids
TEM	Terrestrial Ecosystem Mapping
the Project	Crown Mountain Coking Coal Project
TS	Terrain Stability
TSS	Total suspended solids
UCL	Upper control limit
VC	Valued component
VEMMP	Vegetation and Ecosystems Management and Monitoring Plan
VH	Very High
VOSP	Vehicle Operation and Safety Procedures
WHMIS	Workplace Hazardous Materials Information System
WMA	Wildlife Management Area
WMMP	Wildlife Management and Monitoring Plan
WMP	Water management plan
WQG	Water quality guideline

#### 34. Summary and Conclusions

Acronym / Abbreviation	Definition
AIR	Application Information Requirements
AMA	Access Management Area
ANFO	Ammonium nitrate/fuel oil
B.C.	British Columbia
BFS	Bankable Feasibility Study
BMPs	Best management practices
CAC	Criteria air contaminant
CEA Act	Canadian Environmental Assessment Act
CEAA	Canadian Environmental Assessment Agency
CFP	Canadian Firearms Program

Acronym / Abbreviation	Definition
CH <sub>4</sub>	Methane
CHPP	Coal Handling Process Plant
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
CWS	Canadian Wildlife Service
DFO	Fisheries and Oceans Canada
EA	Environmental Assessment Office
EAO	Environmental Assessment Office
ECCC	Environment and Climate Change Canada
EDRR	Early Detection and Rapid Response
EIS	Environmental Impact Statement
EMS	Environmental Management System
ENV	British Columbia Ministry of Environment and Climate Change Strategy
ESCP	Erosion and Sediment Control Plan
FLNRORD	British Columbia Ministry of Forests, Lands, Natural Resource Operations and Rural Development
GBA+	Gender Based Analysis Plus
GHG	Greenhouse gas
HADD	Harmful alteration, disruption, or destruction
IAAC	Impact Assessment Agency of Canada
kg	kilogram
KNC	Ktunaxa Nation Council
LSA	Local Study Area
m	metre
M	Million
MEMLCI	Ministry of Energy, Mines and Low Carbon Innovation
ML/ARD	Metal leaching/acid rock drainage
MNA	Métis Nation of Alberta
MOE	Ministry of Environment
MRSF	Mine Rock Storage Facility
ms	millisecond

Acronym / Abbreviation	Definition
N <sub>2</sub> O	Nitrous oxide
NGO	Non-governmental organization
NOx	Oxides of nitrogen
NRCan	Natural Resources Canada
NUE	No Unauthorized Entry
NWP	NWP Coal Canada Ltd
Project	Crown Mountain Coking Coal Project
PSI	pounds per square inch
RCMP	Royal Canadian Mounted Police
SO <sub>2</sub>	Sulphur dioxide
TEM	Terrestrial Ecosystem Mapping
TSS	Total suspended solids
USD	United States Dollar
VC	Valued component