

ACRONYMS

°C	degrees Celsius
µg/m ³	micrograms per cubic metre
2D	2-dimensional
3D	3-dimensional
AAC	Annual Allowable Cut
AADT	Annual Average Daily Traffic
AANDC	Aboriginal Affairs and Northern Development Canada
AAQO	Ambient air quality objectives
AB	Alberta
ACR	Aboriginal Consultation Report
AD	Anno Domini
AENV	Alberta Environment
AER	Alberta Energy Regulator
AGMS	Angling Guide Management System
AIA	Archaeological Impact Assessment
AIR	Application Information Requirements
ALC	Agricultural Land Commission
ALR	Agricultural Land Reserve
AMP	Access Management Plan
AND	Ayuukhl Nisga'a Department
AOA	Archaeological Overview Assessment

ARD	acid-rock drainage
ARMP	Acid Rock Management Plan
ARU	acoustic recording unit
ASL	ambient sound levels
AT	Alpine Tundra
ATSDR	Agency for Toxic Substances and Disease Registry
ATV	all-terrain vehicle
Avg	average
AWCR	Away from Work Case Rate
A-weighted	A-frequency weighting
Ayuukhl	Ayuukhul Nisga'a
BAFA	Boreal Altai Fescue Alpine
Baseline Case	baseline acoustic environment
BAT	Best Achievable Technology
BBA	Breeding Bird Atlas
BC	British Columbia
BC AAQO	British Columbia Ambient Air Quality Objectives
BC EAA	<i>British Columbia Environmental Assessment Act</i>
BC MOE	British Columbia Ministry of Environment
BCCSN	BC Cetacean Sighting Network
bcf/d	billion cubic feet per day
BCMEC	British Columbia Marine Ecological Classification
BCMWLAP	British Columbia Ministry of Water, Land and Air Protection

BCR	Bird Conservation Region
BCSBC	British Columbia Shoreline Biophysical Classification
BEC	Biogeoclimatic ecosystem classification
BEI	Broad Ecosystem Inventory
BGC	biogeoclimatic
BMP	Best Management Practice
BMTAs	Biodiversity, Mining, and Tourism Areas
BP	before present
BSL	basic sound level
BTEX	benzene, toluene, ethylbenzene, and xylenes
BVLD	Bulkley Valley-Lakes District
BWBS	Boreal White and Black Spruce
BWBSmw	Boreal White and Black Spruce, Moist Warm
BWBSwk1	Boreal White and Black Spruce, Murray Wet Cool
bw/d	picogram/kilogram body weight/day
C	Carbon
CA	census agglomeration
CAAQS	Canadian Ambient Air Quality Standards
CAC	criteria air contaminants
CaCO ₃	calcium carbonate
CAGR	compound annual growth rate
CAO	Chief Administrative Officers
CAPP	Canadian Association of Petroleum Producers

CARB	California Air Resources Board
CAS	Climate Action Secretariat
CATEF	California Air Toxics Emission Factor
CBC	Christmas Bird Count
CCAC	Canadian Council on Animal Care
CCG-MCTS	Canadian Coast Guard Marine Communication and Traffic Services
CCME	Canadian Council of Ministers of the Environment
CCN	Canadian Climate Normal
CD	chart datum
CDC	Conservation Data Centre
CEA Agency	Canadian Environmental Assessment Agency
CEAA	<i>Canadian Environmental Assessment Act</i>
CEPA	<i>Canadian Environmental Protection Act</i>
CEPEI	Canadian Energy Partnership for Environmental Innovation
CF	Conservation Framework
CH ₄	methane
CHR	Cariboo Herd Range
CHRP	Caribou Habitat Restoration Plan
CLI	Canada Land Inventory
CLUDI	Coast Land Use Decision Implementation
cm	centimetre
CMA	Coastal Mountain-heather Alpine
CMAun	Coastal Mountain-heather undifferentiated

CMHC	Canadian Mortgage and Housing Corporation
CMT	culturally modified tree
CNC	College of New Caledonia
CNR	Canadian National Railway
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
COHb	Carboxyhemoglobin
COPC	Chemicals of potential concern
Corp.	corporation
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CR	concentration ratio
CRA	commercial, recreational and Aboriginal
CSA	Canadian Standards Association
CSL	Comprehensive Sound Level
CSM	conceptual site model
CV	coefficient of variation
CWB	Community Well-Being
C-weighted	C-frequency weighting
CWH	Coastal Western Hemlock
CWHvm1	Coastal Western Hemlock, Submontane Very Wet Maritime
CWHvm2	Coastal Western Hemlock, Montane Very Wet Maritime
CWHws1	Coastal Western Hemlock Wet Submaritime Submontane Variant

CWHws2	Coastal Western Hemlock Wet Submaritime Montane Variant
CWHvh2	Coastal Western Hemlock, Central Very Wet Hypermaritime
CWMP	Chemical and Waste Management Plan
CWS	Canadian Wildlife Service
CWSs	Canada-wide Standards
dAIR	draft Application Information Requirements
dB	decibels
dBA	A-weighted decibels
dBC	C-weighted decibels
DEM	digital elevation model
DFO	Fisheries and Oceans Canada
DFO OS	DFO Operational Statement
DLE	Dry Low Emissions
DMs	District Municipalities
DO	dissolved oxygen
DP	dynamic positioning
DWLV	deep water pipelay vessel
DQO	data quality objective
EA	environmental assessment
EAC	Environmental Assessment Certificate
EAO	Environmental Assessment Office
EBM	ecosystem based management
EC	Environment Canada

EEC	Estimated exposure concentration
EI	environmental inspector
EMA	Environmental Management Act
EMF	electromagnetic field
EMP	Environmental Management Plan
EMPR	Environmental Protection and Management Regulation
EMS	Environmental Monitoring System
ENGO	environmental non-governmental organizations
EPA	Environmental Protection Agency
EPD	Environmental Protection Division
e-PIC	BC EAO Project Information Centre
EPMP	Environmental Protection and Management Plan
EPMR	Environmental Protection and Management Regulation
EPP	Environmental Protection Plan
ERA	Ecological Risk Assessment
ERP	Emergency Response Plan
ESCIA	Economic Social and Cultural Impact Assessment
ESCMP	Erosion and Sedimentation Control Management Plan
ESSF	Engelmann Spruce – Subalpine Fir
ESSFmc	Engelmann Spruce Subalpine Fir, Moist Cold
ESSFmcp	Engelmann Spruce-Subalpine Fir, Most Cold Parkland
ESSFmv2	Engelmann Spruce-Subalpine Fir, Bullmoose Moist Very Cold
ESSFmv3	Engelmann Spruce-Subalpine Fir, Omineca Moist Very Cold

ESSFwc3	Engelmann Spruce-Subalpine Fir, Cariboo Wet Cold
ESSFwk2	Engelmann Spruce-Subalpine Fir, Misinchinka Wet Cool
ESSFwv	Engelmann Spruce-Subalpine Fir, Wet Very Cold
EVC	existing visual condition
FERC	Federal Energy Regulatory Commission
FHAP	fish habitat assessment procedure
FHWG	Fisher Habitat Working Group
FIFO	fly-in, fly-out
FISS	Fisheries Information Species Summary
FLO	Fisheries Liaison Officer
FMA	Fisheries Management Area
FN	First Nations
FPHLCC	First Peoples' Heritage, Language, and Culture Council
FPWC	Federal Policy on Wetland Conservation
FRPA	Forest and Range Practices Act
FSW	Fishery Sensitive Watershed
FTE	full-time equivalent
GBAA	grizzly bear assessment area
GBPU	grizzly bear population unit
GGRTA	<i>Greenhouse Gas Reduction Targets Act</i>
GHG	greenhouse gas
GIS	geographic information systems
GKR	Greenville-Kinkolith Road

GPS	global positioning system
Grease Harbour	Gitlax'aws
Grease Trail	Genim Sgeenix
GSC	Geological Survey of Canada
H ₂ O ₂	hydrogen peroxide
ha	hectares
HADD	Harmful alteration, disruption or destruction
HAP	hazardous air pollutants
HCA	Heritage Conservation Act
HCTF	Habitat Conservation Trust Foundation
HDD	horizontal directional drilling
HD-MAPP	High Definition Mapping and Application
HEWR	high elevation winter range
HFC	hydrofluorocarbon
HHERA	human health and ecological risk assessment
HHRA	human health risk assessment
HHW	higher high water
HQ	hazard quotient
HR	human resources
HRMP	Heritage Resources Management Plan
HSDA	Health Service Delivery Area
HSE	Health, Safety and Environment
HV%	heavy vehicle percent

HVAC	heating, ventilation, and air conditioning
Hwy	highway
Hz	hertz
IAIA WNC	International Association of Impact Assessment – Western and Northern Canada
IBA	Important Bird Area
IBP	Indicated Breeding Pairs
ICBC	Insurance Corporation of British Columbia
ICH	Interior Cedar-Hemlock
ICHmc2	Interior Cedar-Hemlock, Hazelton Moist Cold
ICHmc1	Interior Cedar-Hemlock, Nass Moist Cold
ILCR	incidental lifetime cancer risk
ILMB	Integrated Land Management Bureau
in	inch
Inc.	Incorporated
INGAA	Interstate Natural Gas Association of America
IPA	integrated public awareness
IPCBC	Invasive Species Council of British Columbia
IPCC	Intergovernmental Panel on Climate Change
IPCPRRD	Invasive Plant Committee Peace River Regional District
IPSMP	Invasive Plant Species Management Plan
IR	Indian Reserve
IRIS	Integrated Risk Information System
ISCBC	Invasive Species Council of BC

ISO	International Organization for Standardization
ISQG	Interim sediment quality guidelines
IUCN	International Union for Conservation of Nature
IVM	integrated vegetation management
KCl	potassium chloride
km	kilometre
km/h	kilometres per hour
km/km ²	linear feature density
km ²	kilometres squared
KP	kilometre post
KSM	Kerr-Sulphurets-Mitchell
kW	kilowatt
LAA	local assessment area
L _d	daytime equivalent sound levels
LDAR	leak detection and repair
L _{dn}	(adjusted) day-night average sound levels
LEH	Limited Entry Hunting
L _{eq}	equivalent continuous noise level
LFN	low frequency noise
LGL Limited	Nisga'a Nation
LHA	local health area
LiDAR	light detection and ranging
LLP	Limited liability partnership

L _n	nighttime equivalent sound levels
LNG	liquefied natural gas
LOA	Letter of Agreement
LOAEL	Lowest observable adverse effects level
LOO	License of Occupation
LRMP	Land and Resource Management Plan
LSA	local study area
Ltd.	limited
LU	Landscape Unit
LUO	Land Use Objectives
LUP	Land Use Plan
m	metre
m/s	metres per second
m ²	square metres
m ³	cubic metres
m ³ /d	cubic metres per day
m ³ /s	cubic metres per second
MAL	Maximum Acceptable Level
MAMP	Marine Access Management Plan
MARPOL	International Convention for the Prevention of Pollution from Ships
MASL	metres above sea level
MBCA	Migratory Birds Convention Act
mBEC	merged Biogeoclimatic Variant

MCTS	Marine Communications and Traffic Services
MDL	Maximum Desirable Level
MeHg	Methylmercury
MEM	Ministry of Energy and Mines
MFA	Municipal Finance Authority
MFLNRO	Ministry of Forest, Lands and Natural Resource Operations
mg/L	milligrams per litre
MH	Mountain Hemlock
MHmm1	Mountain Hemlock, Windward Moist Maritime
MHmm2	Mountain Hemlock, Leeward Moist Maritime
MHmmp	Mountain Hemlock, Moist Maritime Parkland
mi	miles
ML	metal leaching
MLTC	Master Licence to Cut
mm	millimetre
mm/y	millimetre per year
MNL	mitigation noise level
MOE	Ministry of Environment
MOH	Ministry of Health
MOTI	Ministry of Transportation and Infrastructure
MOU	Memorandum of Understanding
MPB	mountain pine beetle
MPOI	Maximum point of impingement

MRDT	Municipal Regional District Tax
MSD	minimum surface disturbance
MSDS	Material Safety Data System
MSMA	monosodium methanearsonate
Mt	megatonne
MTL	Maximum Tolerable Level
MUs	management units
MW	megawatt
MWLAP	Ministry of Water, Land and Air Protection
n	sample size
n.d.	no date available
n/a	Not applicable
N ₂ O	nitrous oxide
NABBS	North American Breeding Bird Survey
NABCI	North American Bird Conservation Initiative
NAE	Nass Area Enterprises
Nass Lake	Magoonhl Lisims
Nass River	K'alli Aksim Lisims
NC	Recreation and Conservation
NCD	non-classified drainages
NCG	Nisga'a Commercial Group of Companies
NDE	non-destructive examination
NDT	Natural Disturbance Type

NDU	Natural Disturbance Units
NEB	National Energy Board
NEF	Noise Exposure Forecast
NFA	Nisga'a Final Agreement
NFMP	Nisga'a Fisheries Management Plan
NGO	non-governmental organizations
NHA	Northern Health Authority
NHPHP	Northern Health Public Health Protection
NHS	National Household Survey
NIA	Noise Impact Assessment
Nisga'a	Nisga'a Nation
NL	Nisga'a Lands
NLC	Northern Lights College
NLG	Nisga'a Lisims Government
NMFS	National Marine Fisheries Service
NO	nitrogen oxide
No.	number
NO ₂	nitrogen dioxide
NOAA	United States National Oceanic and Atmospheric Administration
NOAEL	no observable adverse effects level
NO _x	nitrogen oxides
NPA	<i>Navigation Protection Act</i>
NPRI	National Pollutant Release Inventory

NPS	nominal pipe size
NR	Natural Resources
NRCan	Natural Resources Canada
NRWT	Northwest Regional Workforce Table
NTL	Northwest Transmission Line
NTS	National Topographic System
NTU	nephelometric turbidity units
NVC	non-visible channels
NVHA	Nisga'a Valley Health Authority
NWA	Nass Wildlife Area
NWC	Nass Wildlife Committee
NWCC	Northwest Community College
NWIPC	Northwest Invasive Plant Council
NWPA	<i>Navigable Waters Protection Act</i>
O ₃	ozone
OCC	Operations Control Centre
OCP	Official Community Plan
OGAA	<i>Oil and Gas Activities Act</i>
OGC	Oil and Gas Commission
OGMA	old growth management area
OGWR	Oil and Gas Waste Regulation
OLM	Ozone Limiting Method
OMOE	Ontario Ministry of Environment

OS	Operational Statements
PA	Project Agreement
PAD	permanent alteration and destruction
PAG	potentially acid generating
PAH	polycyclic aromatic hydrocarbons
PAM	passive acoustic monitoring
PCBs	polychlorinated biphenyls
PCDD/F	polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans
PCFA	Pacific Coast feeding aggregation
PCM	post-construction monitoring
PCMP	Post-Construction Monitoring Program
PCP	pentachlorophenols
PECL	Progress Energy Canada Limited
PEF	Potency equivalence factor
PEL	Probable Effects Level
PEP	Provincial Emergency Program
PF	project footprint
PFC	perfluorocarbons
PFMA	Pacific Fishing Management Area
PG	Prince George
pg/g	Picogram per gram
pg/kg	Picogram per kilogram
PGTSA	Prince George Timber Supply Area

pH	Expression of the acidity or basicity of a solution
PHSA	Provincial Health Services Authority
PIC	Product of incomplete combustion
PM	particulate matter
PM ₁₀	coarse particulate matter
PM _{2.5}	fine particulate matter
PNCIMA	Pacific North Coast Integrated Management Area
PNW LNG	Pacific NorthWest LNG
POE	Pathway of Effects
PPU	Prime Power Unit
PR	partial retention
PRGT	Prince Rupert Gas Transmission
PRPA	Prince Rupert Port Authority
PRPRC	Peace Regional Paleontology Research Centre
PRRD	Peace River Regional District
psi	pounds per square inch
PSL	permissible sound level
PTS	permanent threshold shift
PW	Public Watershed
PWGSC	Minister of Public Works and Government Services Canada
PWL	Sound power level
PY	person-year
QA	Quality assurance

QAES	Qualified Aquatic Environmental Specialist
RD	Regional District
RAA	regional assessment area
RAAD	Remote Access to Archaeological Data
RAP	restricted activity period
RBCM	Royal British Columbia Museum
RCA	Rockfish Conservation Area
RCMP	Royal Canadian Mounted Police
RDBN	Regional District of Bulkley-Nechako
RDEA	Regional District Electoral Area
RDFFG	Regional District of Fraser-Fort George
RDKS	Regional District of Kitimat-Stikine
RDSQC	Regional District of Skeena-Queen Charlotte
RFI	Recreational Features Inventory
RFPs	recreation feature polygons
RH	Relative humidity
RIC	Resources Inventory Committee
RISC	Resource Information Standards Committee
RMA	riparian management area
RMF	risk management framework
RMS	root mean square
RMZ	resource management zone
ROV	remotely operated vehicle

ROW	right-of-way
RPD	relative percent difference
RQ	risk quotient
RRZ	Riparian Reserve Zone
RSA	regional study area
RSTBC	Recreation Sites and Trails BC
RV	recreational vehicle
SADT	Summer Average Daily Traffic
SARA	<i>Species at Risk Act</i>
SBS	Sub-Boreal Spruce
SBSdk	Sub-Boreal Spruce, Dry Cool
SBSdw3	Sub-Boreal Spruce, Stuart Dry Warm
SBSmc2	Sub-Boreal Spruce, Babine Moist Cold
SBSmk1	Sub-Boreal Spruce, Mossvale Moist Cool
SBSmk2	Sub-Boreal Spruce, Williston Moist Cool
SBSvk	Sub-Boreal Spruce, Very Wet Cool
SBSwk2	Sub-Boreal Spruce, Finlay-Peace Wet Cool
SBSwk3	Sub-Boreal Spruce, Takla Wet Cool
SBSwk3a	Sub-Boreal Spruce, Takla Wet Cool – Douglas-fir phase
SCADA	Supervisory Control and Data Acquisition
SCIPIOM	Statistics Canada Interprovincial Input/Output Model
SCP	Spill Contingency Plan
SEL _{cum}	cumulative sound exposure levels

SERC	Social, Economic, Resource Use, and Culture
SF ₆	sulphur hexafluoride
SHCMP	Soil Handling/Conservation Management Plan
SMR	Soil moisture regime
SMZ	Special Management Zone
SNDS	Skeena Native Development Society
SNR	Soil nutrient regime
SO ₂	sulphur dioxide
SOP	standard operating procedures
SPL	sound pressure level
SPL _{peak}	peak sound pressure levels
SRMF	Southern Rocky Mountain Foothills
SRMP	Sustainable Resource Management Plan
STC	sound transmission class
SUP	Special Use Permit
SWLB	shallow water pipelay barge
TAC	total allowable catch
TBD	to be determined
TC	Transport Canada
TCDD	tetrachloro dibenzo-(p)-dioxin
TCEQ	Texas Commission on Environmental Quality
TDG	Transportation of Dangerous Goods
TDR	technical data report

TEF	toxic equivalency factor
TEIS	Terrestrial Ecosystem Information System
TEK	traditional ecological knowledge
TEM	Terrestrial Ecosystem Mapping
TEQ	toxic equivalents
TEQ/g	toxic equivalence factor per gram
TEQ/kg	toxic equivalence factor per kilogram
TEU	twenty foot equivalent units
TFL	Tree Farm Licence
THPS	tetrakis (hydroxymethyl) phosphonium sulfate
TK	traditional knowledge
TLU	traditional land use
TMP	Traffic Management Plan
TOC	total organic carbon
TransCanada	TransCanada Pipelines Limited
TRCR	Total Recordable Case Rate
TRG	Tissue residue guideline
TRIM	Terrain Resources Information Management
TRS	total reduced sulphur
TRV	toxicological reference value
TS	threshold shift
TSA	Timber Supply Area
TSBC	Transportation Safety Board of Canada

TSS	total suspended solids
TTS	temporary threshold shift
TWS	temporary workspace
UASBC	Underwater Archaeology Society of British Columbia
UNBC	University of Northern British Columbia
UR	Urban Reserve
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UTM	Universal Transverse Mercator
UTM NAD83	Universal Transverse Mercator North American Datum
UWR	ungulate winter range
VC	valued component
VKT	vehicle kilometers travelled
VOC	volatile organic compounds
VQOs	Visual quality objectives
VRI	Vegetation Resources Inventory
VSC	Visual sensitivity class
VSU	Visual sensitivity unit
WCB	Workers Compensation Board
WCCP	Wildlife Collision Prevention Program
WHA	wildlife habitat area
WHMIS	Workplace Hazardous Materials Information System
WMU	Wildlife Management Unit

WQG	water quality guidelines
WRF	Weather and Research Forecasting
WRI	World Resources Institute
WSC	Water Survey of Canada
WSER	Wastewater Systems Effluent Regulations
WSI	Wildlife Species Inventory
WSN	Wilp Si'ayuukhl Nisga'a
WTRAs	Wildlife tree retention areas
ww	wet weight
WWNI	Wilp Wilxo'oskwhl Nisga'a Institute
YOY	Young of the year
µm	micrometres