

# Appendix A

List of Acronyms and Units



## LIST OF ACRONYMS AND UNITS

Acronym/Unit	Definition
<	less than
≥	greater than or equal to
°	degrees
°C	degree Celsius
µg	microgram (1E-06 g)
µm	micrometre or micron (1E-06 m)
1SW	1 sea winter
AADT	Average Annual Daily Traffic
AADTT	Average Annual Daily Truck Traffic
ABA	acid-base accounting
AC CDC	Atlantic Canada Conservation Data Centre
ADT	Average Daily Traffic
AENV	Alberta Department of Environment
AEP	annual exceedance probability
AERMOD	American Meteorological Society and Environmental Protection Agency Regulatory Model
AFNCNB	Assembly of First Nations Chiefs in New Brunswick
AFRP	Archaeological Field Research Permit
AIHA	American Industrial Hygiene Association
Al	aluminum
AMP	Avifauna Management Plan
amsl	above mean sea level
ANB	Ambulance New Brunswick

Acronym/Unit	Definition
APT	ammonium paratungstate
As	arsenic
ASF	Atlantic Salmon Federation
ATSDR	Agency for Toxic Substances Disease Registry
ATV	all-terrain vehicle
B	boron
BBS	breeding bird survey
BIW	beaver impoundment wetland
BP	before present
BSF	bulk sulphide flotation
CAC	criteria air contaminant
CAEAL	Canadian Association of Environmental Analytical Laboratories
Cal EPA	California Environmental Protection Agency
CaWO <sub>4</sub>	scheelite
CCFM	Canadian Council of Forest Ministers
CCME	Canadian Council of Ministers of the Environment
CCME FAL Guidelines	Canadian Council of Ministers of the Environment Canadian Environmental Quality Guidelines for the Protection of Aquatic Life
CDA	Canadian Dam Association
CEA Agency	Canadian Environmental Assessment Agency
CEAA	<i>Canadian Environmental Assessment Act</i>
CESCC	Canadian Endangered Species Conservation Council
CFB	Canadian Forces Base
CIAEEDAC	Canadian Industrial Energy End-use Data and Analysis Centre
CIHI	Canadian Institute for Health Information

Acronym/Unit	Definition
cm	centimetre
CMHC	Canadian Mortgage and Housing Corporation
CNR	Canadian National Railway
CO	carbon
Co	cobalt
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
COGERNO	Commission de gestion enviro-ressources du Nord-Ouest
Col/MVK	collisions per million vehicle kilometres
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CR	Concentration Ratio
Cr	chromium
CRHP	Canadian Register of Historic Places
CRI	Canadian Rivers Institute
CSF	Cancer Slope Factor
CSR	comprehensive study report
Cv	coefficient of variation
CWS	Canada-Wide Standards
dB <sub>A</sub>	decibel (dB) on the A-weighted scale
DCS	distributed control system
DEM	digital elevation model
DFO	Fisheries and Oceans Canada
DO	dissolved oxygen
DOC	dissolved organic carbon

Acronym/Unit	Definition
DQRACHEM	Detailed Quantitative Risk Assessment For Chemicals
DSM	disturbed scirpus meadow
DTWT	depth to water table
DWA	deer wintering area
<i>e.g.</i> ,	for example
EA	environmental assessment
EEM	environmental effects monitoring
EI	employment insurance
EIA	environmental impact assessment
EoP	end of period
EPC	Exposure point concentration
EPP	Environmental Protection Plan
EQL	estimated limit of quantification
ERP	Emergency Response Plan
ESA	environmentally significant area
ESMS	Environmental and Social Management System
FAQ	frequently asked question
FNEAWG	First Nations Environmental Assessment Working Group
FRSWC	Fredericton Region Solid Waste Commission
g	gram
g/s	gram per second
GCDWQ	Health Canada Guidelines for Canadian Drinking Water Quality
GDP	Gross Domestic Product
GHG	greenhouse gas

Acronym/Unit	Definition
GIS	Geographic Information Systems
GLC	ground-level concentration
GNB	Government of New Brunswick
GPS	global positioning system
GVW	gross vehicle weight
h	hour
H <sub>2</sub> S	hydrogen sulphide
ha	hectare
HADD	harmful alteration, disruption, or destruction (of fish habitat)
HDI	Hunter Dickinson Inc.
Hg	mercury
HHERA	human health and ecological risk assessment
HQ	Hazard Quotient
<i>i.e.,</i>	that is
ICOLD	International Commission on Large Dams
ICP-AES	inductively coupled plasma atomic emission spectroscopy
ICP-PMS	inductively coupled plasma mass spectrometry
ICR	Intercolonial Railway
IDF	Inflow Design Flood
IKS	Indigenous Knowledge Study
ILCR	Incremental Lifetime Cancer Risk
ILCR	Lifetime Cancer Risk
IRIS	Integrated Risk Information System
JHSF	John Howard Society of Fredericton

<b>Acronym/Unit</b>	<b>Definition</b>
K	degrees Kelvin
kg	kilogram
km	kilometre
km <sup>2</sup>	square kilometre
kPa	kiloPascal
kV	kiloVolt
L/s	litre per second
LAA	Local Assessment Area
LADD	lifetime average daily dose
L <sub>DN</sub>	day-night equivalent sound pressure level
L <sub>eq</sub>	equivalent sound pressure level
LiDAR	Light Detection and Ranging
LOAEL	lowest observed adverse effects level
LOM	life of mine
LOS	level of service
LSD	Local Service District
LSW	lacustrine shallow water wetland
m	metre
m/s	metre per second
masl	metre above sea level
max	maximum
MBBA	Maritimes Breeding Bird Atlas
<i>MBCA</i>	<i>Migratory Bird Convention Act</i>
MCA	multi-criteria analysis



Acronym/Unit	Definition
MCMC	Medical Communications Management Centre
MEND	Mine Environment Neutral Drainage Program
MFW	mesotrophic forested wetland
mg	milligram
MIBC	methyl isobutyl carbinol
min	minimum
ML/ARD	metal leaching / acid rock drainage
MLS	Multiple Listings Service
mm	millimetre
mm/s	milimetre per second
<i>MMER</i>	<i>Metal Mining Effluent Regulations</i>
Mn	manganese
Mo	molybdenum
MoS <sub>2</sub>	molybdenite
MSDS	material safety data sheet
MSW	multi-sea winter
mtu WO <sub>3</sub>	metric tonne units of tungsten trioxide
MW	megawatt
n.d.	no date
NAPS	National Air Pollution Surveillance
<i>NB SARA</i>	<i>New Brunswick Species at Risk Act</i>
NBDEECD	New Brunswick Department of Education and Early Childhood Development
NBDELG	New Brunswick Department of Environment and Local Government (formerly New Brunswick Department of Environment, or NBENV)

<b>Acronym/Unit</b>	<b>Definition</b>
NBDNR	New Brunswick Department of Natural Resources
NBDOH	New Brunswick Department of Health
NBDPS	New Brunswick Department of Public Safety
NBDTI	New Brunswick Department of Transportation and Infrastructure
NBEC	New Brunswick East Coast Railway
NBELC	New Brunswick Ecological Land Classification
NBENV	New Brunswick Department of Environment
NBHP	New Brunswick Historic Places
NBM	New Brunswick Museum
NBSR	New Brunswick Southern Railway
NBTFHF	New Brunswick Trappers and Fur Harvesters Federation
NCDC	National Climatic Data Centre
NH <sub>3</sub>	ammonia
NI	National Instrument
Ni	nickel
NO <sub>2</sub>	nitrogen dioxide
NOAEL	no observable adverse effect level
non-CAC	non-criteria air contaminant
NO <sub>x</sub>	nitrogen oxides
NP	neutralization potential
NPAG	non-potentially acid generating
NPR	neutralization potential to acid potential ratio
NPRI	National Pollutant Release Inventory
NRCan	Natural Resources Canada

Acronym/Unit	Definition
NSA	noise sensitive area
NTR	National Transcontinental Railway
Nwai	Nashwaak Watershed Association Inc.
OBE	Operating Basis Earthquake
OBoF	Outer Bay of Fundy
OCS	ore control system
OFW	oligotrophic forested wetland
OMOE	Ontario Ministry of the Environment
OMWH	old mature mixedwood habitat
ORP	oxidation-reduction potential
OSFH	old spruce fir habitat
PAG	potentially acid generating
Pb	lead
PCS	process control system
PCT	pre-commercially thinned
PDA	Project Development Area
PM	total particulate matter (also known as total suspended particulate (TSP))
PM <sub>10</sub>	particulate matter less than 10 microns
PM <sub>2.5</sub>	particulate matter less than 2.5 microns
PMF	Probable Maximum Flood
PPRTV	provisional peer reviewed toxicity value
PPV	peak particle velocity
PQRA	Preliminary Quantitative Risk Assessment
PSA	Primary Site Access (route)

Acronym/Unit	Definition
PSW	Provincially Significant Wetland
PTSF	Percentage of Time Spent Following
QA/QC	quality assurance/quality control
RA	responsible authority
RAA	Regional Assessment Area
RBC	Royal Bank of Canada
RCMP	Royal Canadian Mounted Police
RDL	reportable detection limit
RHA	Regional Health Authority
RIVM	Rijksinstituut Voor Volksgezondheid En Milieu
RN	Registered Nurse
ROW	right-of-way
RPA	Roscoe Postle Associates Inc.
RPC	Research and Productivity Council
RPD	relative percent difference
RPDC	Rural Planning District Commission
RTP	relative toxic potential
SAR	species at risk
SARA	<i>Species at Risk Act</i>
SCC	Standards Council of Canada
SF	Slope Factor
SFI	Sustainable Forest Initiative
SME	site mixed explosives
SNB	Service New Brunswick

Acronym/Unit	Definition
SO <sub>2</sub>	sulphur dioxide
SOCC	species of conservation concern
SOP	Standard Operating Procedure
SRW	shrub riparian wetland
SSA	Secondary Site Access (route)
STP	shovel test pitting
t/d	tonne per day
TDI	tolerable daily intake
TIA	tailings impoundment area
TIA	tri-isooctylamine
TIC	total inorganic carbon
TKN	total Kjeldahl nitrogen
TKS	Traditional Knowledge Study
TI	thallium
TOC	total organic carbon
TP	total phosphorus
TRC	Technical Review Committee
TRVs	Toxicological Reference Values
TSF	tailings storage facility
TSS	total suspended solids
TWSC	Two-Way Stop Controlled
U	uranium
UCL	upper confidence limit
UR	Unit Risk

Acronym/Unit	Definition
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency
V	vanadium
VEC	valued environmental component
VOC	volatile organic compound
VSWC	Valley Solid Waste Commission
W	tungsten
W/m <sup>2</sup>	Watts per square metre
WAWA	watercourse and wetland alteration
WHMIS	workplace hazardous materials information system
WMP	water management pond
WMZ	wildlife management zone
WNS	White-nose Syndrome
WTP	water treatment plant
YOY	young-of-year
Zn	zinc