Vegetation Map
082F034

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers
0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS / Ownership
Base Map Source: TRIM / Terrain

This map is derived from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the analytical functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information contained on this map is not to be used for navigation. Some administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revised to June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Feature:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM - Base Features:
- Ice & Rock Slides
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railroads
- Air Fanes
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrofeatures - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- MV Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Terrain
- Municipal Boundary (< 1:250,000 ha - 15 % hatch)
- Municipal boundary (> 1:250,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Mapsheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
4 Age, Height, Crown Closure Class Code - separator - Site Index / estimated SI
ex: stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (0-15%), SI 20m
5 Vegetated Density Class (or Non-Forest Productive Descriptor)
6 Disturbance History (ex: cut in 1990, cut block boundaries and grasslands, shrubs less than 2m.
7 Disturbance History (ex: = ex. Logged on 1979)

Line 1 - History Record Opening Number

OXX - opening number valid for BCGS mapsheet AXXX - opening number has not been assigned

Line 2 - Polygon No. / Multi Layer

VRIMS Polygon Number - ranging from one to nine digits
Multi-layered stand to separate description of each layer is available in the data base, i.e. 1, 2)

Line 3 - BC Tree Codes List

Species Composition: Species are labeled in their order of predominance. Major first Minor in brackets.
The following codes are based on "The B.C. Ministry of Forests Tree Code List" version 4.0 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	Yellow Cedar
Yc	Alaska Cedar
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
F	FIR (Balsam)
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Ba	Amabilis Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Western x Mountain Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Juniper species
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Plc	Lodgepole Pine (coastal)
Pli	Lodgepole Pine (interior)
Pa	Whitebark Pine (alpine)
Pfx	Ponderosa Pine (yellow)
Ppy	Shore Pine (coast)
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Se	Englemann Spruce
Sw	Englemann Spruce
Sx	Sitka Spruce
Sxs	Sitka Spruce
Sxw	Spruce Hybrid
Sxw	Englemann x White
Sxx	Spruce Hybrid
Sxs	Sitka x Unknown hybrid
Y	YEW
Yw	Western Yew

NATIVE HARDWOODS

A	ALDER
Dr	Red Alder
Ds	Sitka Alder
At	Trembling Aspen
A	ASPEN, COTTONWOOD or POPLAR
Ac	Black Cottonwood
Ap	Balsam Poplar
Act	Black Cottonwood
Ax	Hybrid Poplars
Axt	Trembling Aspen
arb	ARBUTUS
Ra	Arbutus
B	BIRCH
Ea	Alaska Paper Birch
Eap	Alaska x Paper Birch hybrid
Ep	Paper Birch (White)
Ew	Water Birch
K	CASCARA
Dw	DOGWOOD
E	ELM
Eb	Siberian Elm
Ew	Western Elm
H	HAWTHORN
Hx	Hybrid Hawthorn
Q	OAK
Qg	Garry Oak
W	WILLOW
Wa	Pacific Willow
Wa	Pacific Willow
Wal	Peachleaf Willow (Bentz's)
Wb	Bebb's Willow (Beaked)
Wc	Scouler's Willow
Wl	Sitka Willow (low branch)

UNKNOWN - OTHER

X	unknown conifer
Xh	unknown hardwood
Xl	shrub (does not fit)
Xt	other conifer
Xx	other hardwood

EXOTICS

AP	APPLE
Ax	Apple
Act	Black COTTONWOOD or POPLAR
Ac	Southern Cottonwood
BP	BIRCH
Bc	European Birch
Bs	Silver Birch (exotic)
Fd	Douglas Fir
CY	CHERRY
Cm	Mahaleb Cherry
CYPRESS	
Yt	Pond Cypress
Cy	Cypress
Bp	Nobles Fir
Bpn	Nobles x Fir
Fp	White Fir
LARCH	
Lk	Japanese Larch
Lx	Tamarack Larch
MAPLE	
Mr	Red Maple
Mt	Norway Maple
Mp	Sycamore Maple
OAK	
Qr	Douglas Oak
Qx	Oak species
OTHER EXOTICS	
Ch	Horse Chestnut
Cp	Sawtooth Oak
Cr	Coast Redwood
Fx	Green Ash (exotic)
Fxw	Modesto Ash (southern)
Gf	Common Fiber
Gk	Kentucky Coffee
Gt	Honeylocust
Gt	Shagbark Hickory
Hj	Black Walnut
Jr	Japanese Walnut
PINE	
Pn	Austrian Pine
Pp	Red Pine
Pr	Sugar Pine
Pw	White Pine
Pwy	Weymouth Pine

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-120
7	121-140
8	141-250
9	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 28.4
4	28.5 - 37.4
5	37.5 - 46.4
6	46.5 - 55.4
7	55.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
0	0 - 5
1	6 - 15
2	16 - 25
3	26 - 35
4	36 - 45
5	46 - 55
6	56 - 65
7	66 - 75
8	76 - 85
9	86 - 100

4d SITE INDEX

All SI are known to the nearest metre referenced at 50 years breast height age. SI may be actual (from stem analysis of sample trees), estimated (SIEA) or assumed (SIEA) based on site series, leading species. Where an accurate SI cannot be derived from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI base area/assessment, e.g. permanent sample plots, stem analysis, etc. are not available. Usually provided by the leading species from the data base and Inventory Type Group and SI Estimated records code.

Line 5 - Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records):

NON-TREED SHRUB
- s SHRUB TALL - shrub with average shrub height > or = to two metres.
- h SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB
- g GRAMINOID - herb with no distinction between forbs and graminoids.
- f HERB - FORBS - herb with forbs > 50% of the herb cover.
- m HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

Tm TREED MOSS - treed with no distinction between mosses and lichens by cover.
- lm MOSS - LICHENS - treed with mosses, liverworts, and hornworts > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records):

BE BEACH	L LAKE	mu MUDFLAT SEDIMENT
BR BEDROCK	LA LAKE(S)	mw MUDDLY MINE SPOILS
W BLOCKFIELD	LE LAKE(S)	O OCEAN
G GLACIER	LS LAKE(S)	OC OCEAN
ta SUPRA-ALPINE	LU LAKE & LAKE SEDIMENTS	OR SHORE/COVER
tb SUBALPINE	OI OPEN ITEM	R ROCK
ea EXPOSED SOILS	P POND	RI RIVER / STREAM
gs GLACIER'S		

rm RESERVOIR MARGIN	
rw RAILWAY SURFACE	
s SNOW SEDIMENTS	
sa SALT FLAT	
t TALUS	
u URBAN	

Note: Water categories (la, ou, rs, ru) not blanked over 50 percent coverage.

NON-PRODUCTIVE DESCRIPTOR CODES (for I records):

AF	ALPINE FOREST Species	MPBK	NON-PRODUCTIVE BRUSH
C	CULTIVATED	MPBS	NON-PRODUCTIVE BURN
G	GRASSLAND	MPFO	NON-PRODUCTIVE FOREST Species
GL	GRAVEL BAR	NC	NO TYPING AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
L	LOGGED	R	ROCK
M	MEADOW	S	SWAMP
MAT	MUDFLAT		

SAND	SAND
SALT	SALT FLAT
U	URBAN
NC	NON-COMMERCIAL
NBR	NON-COMMERCIAL BRUSH
NF	NON-FOREST
NPS	NOT SUFFICIENTLY RESTOCKED
NYA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Core and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation
T	Treatment Injuries
U	Damage Unknown
V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW as a separate WMS overlay. The MapView example is attached to this map.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -
- OPENING
- OPENING LABELS
- OPENING - PLANTING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH

Selkirk Natural Resource District
KOOTENAY DISTRICT

Overflow Labels