Vegetation Map
092C050

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

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

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to display the geographic information held in the files of the Ministry of Forests, Lands and Natural Resource Operations. This information is updated daily but may not be complete and up to date. Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM - Base Features:
- 4x Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fields
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Map Lines
- Water Lines
- Islands/Rivers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- NV Region-Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (1:1,000,000 ha / 15 % hatch)
- Municipal boundary (1:1,000,000 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 Structure symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex. the most important layer is described as Fd (Douglas Fir) and Hw (Western Hemlock).
4 Age, Height, Crown Closure Class Code - separator - Site Index (estimated S)
ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6 -15%), SI 20m
5 Inventory Type Group or Non-Forest Descriptor (Descriptor)
ex. a Non-Forest Sparse Herb, a distinction between herbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

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

Line 2 - Polygon No. / Multi-layer

VRMS Polygon Number - ranging from one to nine digits
/L Multi-layered stand (a separate descripion of each layer is available in the data base, i.e. 1,2)

Line 3 - BC Tree Code 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 4.5 dated January 2009.

NATIVE CONIFERS

C	CEDAR
Cw	Western Red Cedar
Y	CYPRESS
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
B	FIR (Balsam)
Ba	Amabilis Fir
Bg	Grand Fir
Bl	Subalpine Fir (Alpine)
H	HEMLOCK
Hm	Mountain Hemlock
Hw	Western Hemlock
Hxm	Mountain x Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Sweede Juniper
L	LARCH
Lt	Alpine Larch
Lw	Tamarack
Lt	Western Larch
P	PINE
Pj	Jack Pine
Pl	Lodgepole Pine
Pli	Lodgepole/Jack Pine hybrid
Plc	Lodgepole Pine (cmaian)
Plx	Lodgepole Pine x Jack Pine hybrid
Pp	Ponderosa Pine (yellow)
Pw	Stone Pine (scrub)
Pwa	Whitebark Pine
Pw	Western White Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sk	Kenai Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxw	Spruce hybrid White
Sxl	Sitka x White
Sxs	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

Al	ALDER
Dr	Red Alder
Sa	Sitka Alder
Va	Pacific Coast Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Balsam Poplar
Ad	Black Cottonwood
Ae	Hybrid Poplar
At	Trembling Aspen
Ax	Aspen hybrid
B	BIRCH
E	Alaska Paper Birch
Ea	Alaska x Paper Birch hybrid
Ep	Paper Birch (white)
Epx	Birch hybrid
Dg	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wr	Peachleaf Willow (Bartley's)
Ww	Farrey Willow (grey leaved)
Ws	Scouler's Willow
Wx	Willow hybrid (unnamed)

UNKNOWN - OTHER

X	UNKNOWN
Xc	unknown conifer
Xh	unknown hardwood
Xs	unknown shrub (non tall)
Zc	other conifer
Zh	other hardwood

EXOTICS

AP	APPLE
Ue	Apple
AT	*BALSAM, COTTONWOOD or POPLAR
Act	*Southern Cottonwood
B	BIRCH
Ek	European Birch
Ex	Silver Birch (swamp)
Ev	Weeping Birch
CH	CHERRY
Vs	Sweet Cherry
Vv	Pin Cherry
Yp	*Port Orford Cedar
F	FIR (Balsam)
Fa	*Alpine Fir
Fb	Noble Fir
Fm	*Shasta Red Fir
Fn	*Grand Fir
L	LARCH
Lk	*Dahurian Larch
Le	*European Larch
MA	MAPLE
Me	Box Elder
Mr	*Norway Maple
Ms	*Sycamore Maple
OAK	
Qg	*English Oak
Qw	*White Oak
OTHER EXOTICS	
Ch	*Horse Chestnut
Dl	*Larch Species
Ov	*Coast Redwood
Od	European Mountain Ash
Ow	Siberian Elm (scorched)
Oy	*Black Walnut
Og	Oregon Ash
Ok	*White Ash
Oc	*Shagbark Hickory
O	Tree of Heaven - Japanese Walnut
Ok	Kentucky Coffee
Pm	*Montreay Pine
Pr	*Red Pine
Pa	*Austrian Pine
SPRUCE	
Sn	*Norway Spruce

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

4d SITE INDEX

Site Index is the nearest metre referenced at 50 years breast height age. SI is based on the age and height of the leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown either, or replaces the SI.

4e: ESTIMATED SITE INDEX

SI is estimated when suitable SI trees are not present, e.g. young stands (<10yrs). It is denoted by a slash which always precedes it. Associated fields in the data base are Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records

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

- SP SPARSELY VEGETATED - < 10% vegetative cover
- SB SHRUB TALL - shrub with average shrub height > or =to two metres.
- s SHRUB LOW - shrub with average shrub height < two metres.

NON-TREED HERB

- he HERB - herb with no distinction between forbs and graminoids.
- hg HERB - GRAMINOID - herb with graminoids > 80% of the herb cover.
- hg HERB - GRAMINOIDS - herb with graminoids > 80% of the herb cover.

NON-TREED BRYOID

- w BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses, liverwarts, and hornwarts > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NO VEGETATED

- X X-plained Land
- rk Rock / Rubble
- br Snow / Ice

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

- ta ARACHT
- w BRYOIDS
- W BLOCKFIELD
- bl BRYOID - LICHENS
- bm BRYOID - MOSS
- cb CUTBANK
- de EXPOSED SOILS
- gl GLACIER
- gr GRAVEL PIT
- ice ICEFIELD
- lic LICHENS
- MUD MUDFLAT
- rb RUBBLE
- s SHRUB LOW
- sl SLIDE
- la LAVA BED
- rk ROCK
- k POND or LAKE SEDIMENTS
- m OPEN PIT MINE
- sc SCREENING
- mu MUDFLAT SEDIMENT
- ep RUBBLY MINE SPOILS
- m OCEAN
- sn SNOW
- sn SNOW COVER
- R RESERVOIR
- r RIVER / STREAM
- R RESERVOIR MARGIN
- ra RAILWAY SURFACE
- rs RIVER SEDIMENTS
- ro ROAD SURFACE
- s SILT
- t TAILINGS
- ur URBAN

NON-FOREST (NON-PRODUCTIVE DESCRIPTOR CODES (for I records)

- A ALPINE
- C CULTIVATED / Species
- C CULTIVATED
- CL CLAY BANK
- cb CUTBANK
- gr GRAVEL PIT
- ICE ICEFIELD
- lic LICHENS
- MUD MUDFLAT
- NPBR NON-PRODUCTIVE BRUSH
- NPBU NON-PRODUCTIVE BURN
- NPF NON PRODUCTIVE FOREST /Species
- NSA NOT SURVEYED AVAILABLE
- OA OPEN AANDS
- P HAYFIELD
- R ROCK
- S SWAMP
- SAND SAND
- SFLAT SILT FLAT
- U URBAN
- NC NON COMMERCIAL
- NCBR NON COMMERCIAL BRUSH
- NP NON PRODUCTIVE
- NPSR NON PRODUCTIVE RE STOCKED
- NTA NO TYPING AVAILABLE

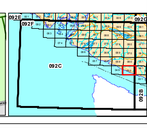
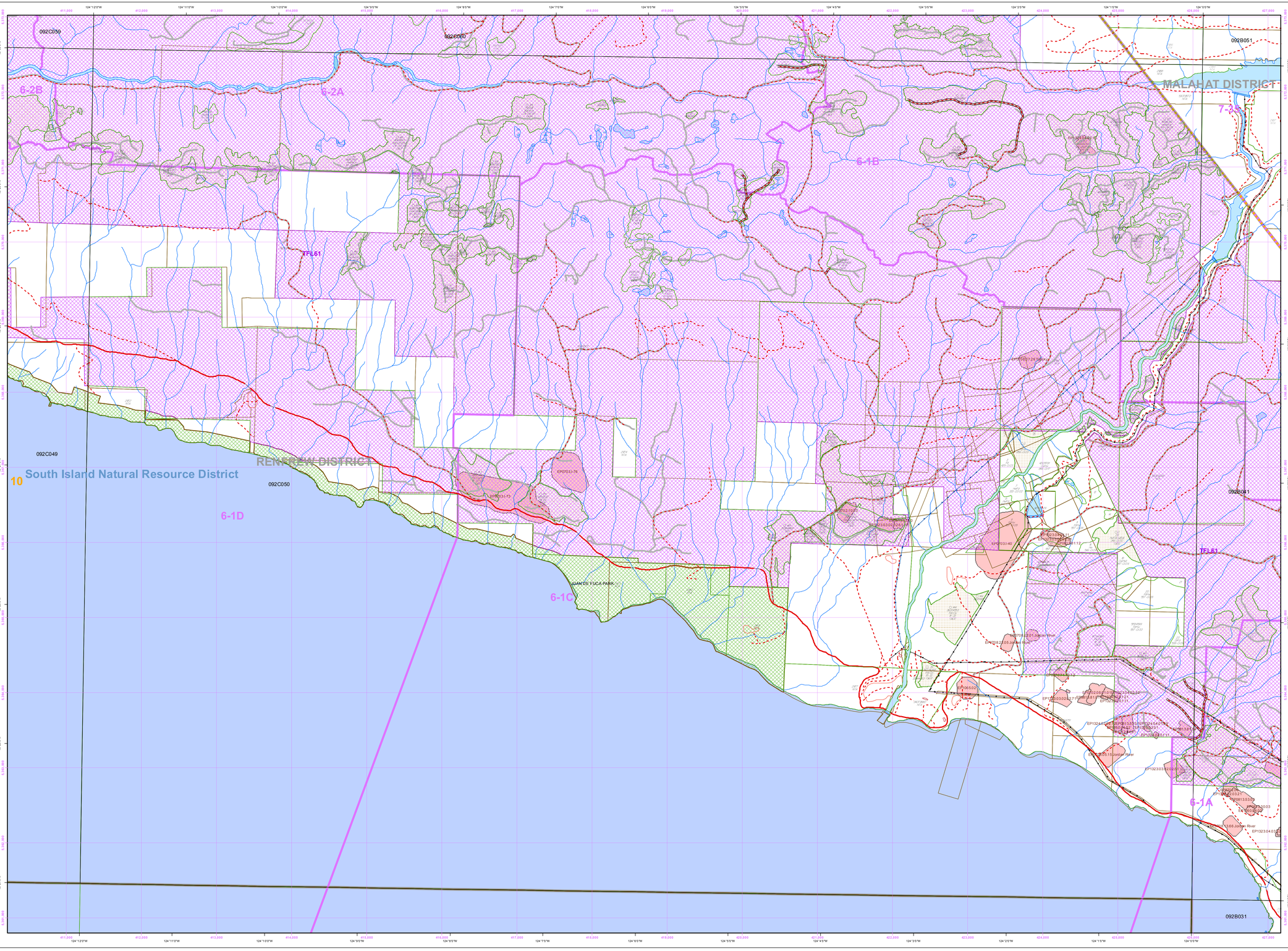
Line 6 - Disturbance History

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

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of thinned RESULTS data.

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