092G053

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Vegetation Map
092G053

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 / Tantalis

This map is created 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 portrayed 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 (SYS)
- Research Installations

TRIM_Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airf'ields
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydrolin/Barriers - ESRI
- Watercourses - ESRI
- Waterbodies - ESRI
- Wetlands - ESRI
- Ocean - ESRI

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- INV_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 (< 1,000,000 ha - 15 % hatch)
- Municipal boundary (> 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 Silviculture symbol and Opening Number
2 Polygon Number - multi-layer 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 SI
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 Non-Vegetated and Non-Forest Descriptions - separator `/`
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Oyening Number

xxxx - opening number valid for RCGS mapsheet — zzzx - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
L - Multi-layered stand (a separate description 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

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)
Bg	Grand Fir
Bl	Subalpine Fir (alpine)
Bp	Pacific Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwb	Hybrid Western Hemlock hybrid
J	JUNIPER
Jr	Rocky Mtn. Juniper
Js	Scopulum Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pl	Lodge Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plcx	Lodgepole x Jack Pine hybrid
Px	Ponderosa Pine (yellow)
Pxj	Jack Pine hybrid
Pw	Western White Pine
Pyx	Whitebark Pine
S	SPRUCE
Sb	Black Spruce
Se	Engelmann Spruce
Sep	Sitka Spruce
Sw	White Spruce
Sx	Spruce hybrid
Sxb	Spruce hybrid white
Sxl	Sitka x White
Sxw	Sitka x unknown hybrid
T	YEW
Tw	Western Yew

NATIVE HARDWOODS

D	DOGWOOD
Dr	Red Alder
U	APPLE
Ua	Pacific Crab-Apple
A	ASPEN, COTTONWOOD or POPLAR
Ac	Poplar
Act	Black Cottonwood
Act	Black Cottonwood
Ax	hybrid Poplars
At	Trembling Aspen
E	ARBUTUS
Ea	Arbutus
Ep	Paper Birch
Epa	Alaska x Paper Birch hybrid
Epl	Alaska x Paper Birch hybrid
Ew	Paper Birch
K	CASCARA
V	CHERRY
Vb	Bitter Cherry
Vc	Choke Cherry
Vy	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Og	Garry Oak
R	WILLOW
Rh	Bebb's Willow
Rhp	Pacific Willow
Rp	Pacific Willow (Barclay's)
Rpr	Pussy Willow (arctic or fervent)
Rs	Sitcka's Willow
Rt	Sitka Willow (tea-leaved)

UNKNOWN - OTHER

Xc	unknown conifer
Xc	unknown conifer
Xh	unknown hardwood
Xl	unknown (do not use on bid)
Z	other conifer
Zx	other hardwood

EXOTICS

A	ASPEN, COTTONWOOD or POPLAR
Ae	Southern Cottonwood
Ay	Poplar
Ea	European Birch
Eap	Asian Birch (swamp)
Ey	Yellow Birch
V	CHERRY
Vi	Mahaleb Cherry
Y	CYPRESS
Yo	"Port Orford Cedar
Yt	Bald Cypress
Jb	Rocky Mtn. Juniper
Jp	Noble Fir
Jpr	"Shasta Red Fir
Jw	White Fir
L	LARCH
Ld	European Larch
Lk	"Siberian Larch
M	MAPLE
Mn	Norway Maple
Mr	"Rocky Mtn. Maple
Ms	"Sycamore Maple
P	PINE
Pp	"English Oak
Qw	"White Oak
U	OTHER DECIDUOUS
Uc	"Chinese Cedar
Qb	"Giant Sequoia
Qc	"Coast Redwood
Qe	"European Mountain Ash
Qk	Siberian Elm (southern)
Qr	"Common Pear
Qs	"Scots Pine
Qw	"White Ash
Qy	"Japanese Hickory
Qz	"Chestnut
Qk	Japanese Walnut
Pm	Monterey Pine
Pn	"Red Pine
Ps	"Sugar Pine
T	YEW
Tm	"Monterey 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	141-160
9	161 +

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
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 shown to the nearest metric kilometre at 50 years breast height age. SI is the average height of the dominant leading species. When an accurate SI cannot be obtained from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. recently logged. The SI source code (e.g. 1, 2, 3, 4, 5) in the data base 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)

NON TREED SHRUB
- S shrub - 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 forbs < 50% of the herb cover.
- h HERB - FORB - herb with graminoids < 50% of the herb cover.

NON-TREED BRYOID
- by BRYOID - bryoid with no distinction between mosses and lichens by cover.
- bm BRYOID - MOSS - bryoid with mosses > 50% of the bryoid cover.
- bl BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gg	GRAVEL PIT
be	BEACH	lk	LAKE
bl	BEDROCK	lkb	LAKE BED
br	BEDROCK	la	LANDING
bu	BURNED AREA	lp	POND or LAKE SEGMENTS
cb	CLIFF/BANK	rn	RIVER or STREAM
ex	EXPOSED SOILS	rnm	RIVERBANK
gl	GLACIER		

Note: Water categories (lk, rn, rl, rnl) labeled over 80 percent coverage.

mu	MUD/FLAT SEDIMENT	rm	RESERVOIR MARGIN
rsp	RUBBLY MINE SPOILS	rw	RAILWAY SURFACE
ro	ROCK	rd	ROAD SURFACE
rl	OTHER	rs	ROAD SURFACE
pn	SNOW COVER	tl	TALUS
sn	SNOW	ta	TAILINGS
ur	URBAN		

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

A	ALPINE	NP	NON PRODUCTIVE
BR	NON PRODUCTIVE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species
G	GRASS / HERB	OR	OPEN RANGE AVAILABLE
GR	GRAVEL PIT	OR	OPEN RANGE
ICE	ICEFIELD	P	WATFIELD
L	LOW BUSH	S	SWAMP
MUD	MUD FLAT	S	SWAMP
SAND	SAND		
SF	SCRUB / FLAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NON PRODUCTIVE		
NPLH	NON PRODUCTIVE LY RESTOCKED		
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.

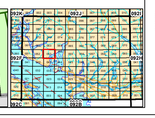
A	Animal Damage	L	Logging
B	Wildfire	M	Mite Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
I	Insects		
R	Site Rehabilitation		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

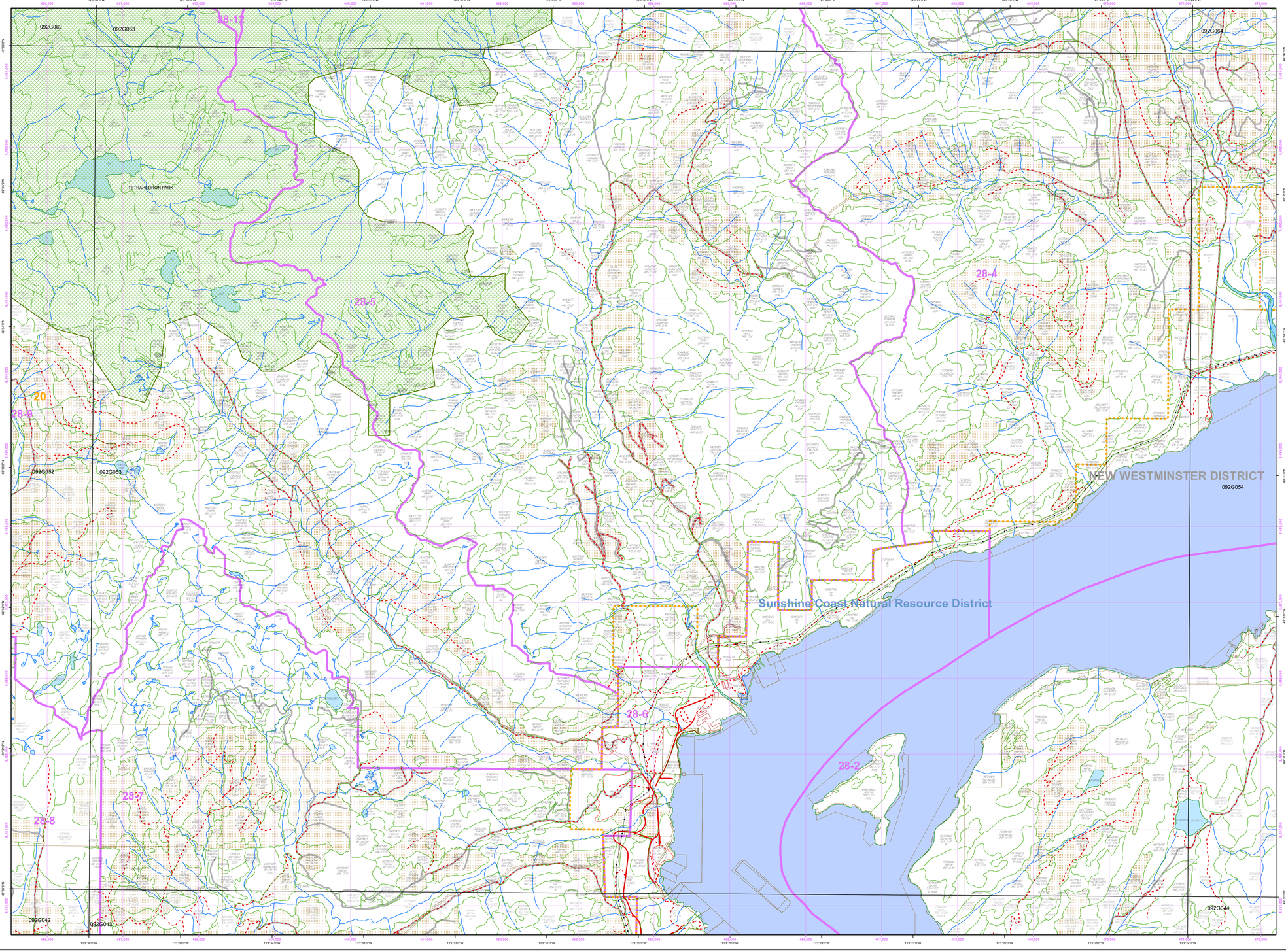
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed 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 ID
OPENING LABEL
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels

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