Vegetation Map
082E050

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

1 Kilometers
0 0.25 0.5 0.75

1 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 data holdings of the Ministry of Forests, Lands, and Natural Resource Operations. The information portrayed may not be complete and up to date. Contact the administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend Versions June 2014)

Lat/Lon Projected To: January 1, 2014

MAP SYMBOLOGY

Forest Inventory Typology:
- Forest Vegetation Polygons
- Silviculture Opening or Vegetation
- Permanent Sample Plot (CVS)
- Research Installations

TRIM - Base Features:
- 4x Roads
- Forest Service Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Airfields
- 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
- Bcr 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 - 1% to fade)
- Municipal boundary (1:1,000,000 ha) - no fade)
- National Parks
- Fire Perimeters
- 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 (6.-15%), SI 20m
5 Non-Forest Descriptor - separator - Site Series / estimated SS
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 Opening Number:
0123 - opening number rated for BCGS mapsheet
0123# - 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 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 "Tree B.C.: Ministry of Forests Tree Code List" version 4.5 dated January 2009.

NATIVE CONIFERS
- C CEDAR
- Cw Western Red Cedar
- Y YEW
- Yp Pacific Yew
- Yew Yew sp.
- Fd Douglas Fir
- Fdc Coastal Douglas Fir
- Fdi Interior Douglas Fir
- F FIR (Balsam)
- Bg Grand Fir
- Ep Grand x Fir
- B Subalpine Fir (Alpine)
- Bl Balsam
- Bm Mountain Hemlock
- H HEMLOCK
- Hmi Mountain x Western Hemlock hybrid
- Hw Western Hemlock
- J Rocky Mtn Juniper
- Jr Creeping Juniper
- Jsc Scopulorum
- L Alpine Larch
- La Tamarack
- Lt Lyall's Larch
- P PINE
- Pl Lodgepole Pine
- Pli Lodgepole x Jack Pine hybrid
- Plc Lodgepole x Jack Pine hybrid
- Pa Alaska Pine (Interior)
- Pw Western White Pine
- Pwa Whitebark Pine
- SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Sw White Spruce
- Sx Spruce Hybrid
- Sxb Spruce x Black Spruce
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- Ss Sitka Spruce
- Yc Western Yew

NATIVE HARDWOODS
- A ALDER
- Dr Red Alder
- Ma MAPLE
- Ac Pacific Crab Apple
- Ax BROAD LEAF TOWNWOOD or POPLAR
- Act Black Cottonwood
- At Trembling Aspen
- Ah Hybrid Poplars
- Ax Balsam Poplar
- E ARBUTUS
- Ae Arbutus
- Ep Birch
- Ebp Alaska Paper Birch
- Ebpl Alaska x Paper Birch hybrid
- Ew Water Birch
- Ey Yellow Birch
- Ec Cascara
- Ep Dogwood
- Eb Bitter Cherry
- Ch Choke Cherry
- Ec Pin Cherry
- D DOGWOOD
- Dp Pacific Dogwood (eastern flowering)
- Dr Red Osier
- Dpr Pacific Dogwood (western flowering)
- G GARRY OAK
- Gs Hybrid Garry Oak
- Gw White Oak
- O OAK
- Ob Bur Oak
- Or Red Oak
- W WILLOW
- Wb Black Willow
- Wp Pacific Willow
- Wr Peachleaf Willow (Bebb's)
- Wrl Peach Willow (Lake leaved)
- Wsp Sitka Willow
- Wsr Sitka Willow (Hookeri)

UNKNOWN - OTHER
- X unknown
- Xc unknown conifer
- Xh unknown hardwood
- Xs unknown shrub (unknown bd)
- Xx other conifer
- Zh other hardwood

EXOTICS
- MPG2
- Ja JAPAN
- Pt BALSAM, COTTONWOOD or POPLAR
- Ac Southern Cottonwood
- Ep Poplar
- Ew European Birch
- Ey Yellow Birch (Asiatic)
- Ch Chestnut
- Ew Water Birch
- Ey Yellow Birch
- Ec CHERRY
- Ch Choke Cherry
- Ec Pin Cherry
- Cy Cypress
- Th Thuja Cedar
- Ce Western Red Cedar
- Ba Balsam Fir
- Bp Noble Fir
- Bn Grand Fir
- Bb Silver Fir
- Bc Cascade Fir
- Lt Tamarack
- Lw Siberian Larch
- Lp Dahurian Larch
- Lpl Japanese Larch
- MAPLE
- Mb Box Elder
- Mn Norway Maple
- Mp Sycamore Maple
- OAK
- Ob Bur Oak
- Ow White Oak
- Or Red Oak
- Ow Hooker Willow
- Ow Peachleaf Willow
- Ow Sitka Willow
- Ow Weeping Willow
- Ow Thinleaved Alder
- Ow Mountain Alder
- Ow Common Pear
- Dg Dragon Ash
- Ow Red Ash
- Ow Woodgrove Hickory
- Ow Thinleaved Alder
- Ow Mountain Alder
- Ow Hornbeam
- Ph Red Pine
- Ps Scots 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	81-120
6	121-140
7	141-250
8	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)
P	0 - 5
T	6 - 15
1	16 - 25
2	26 - 35
3	36 - 45
4	46 - 55
5	56 - 65
6	66 - 75
7	76 - 85
8	86 - 100

4d SITE INDEX
Mean annual increment referenced at 50 years breast height age, for leading and suppressed trees. Where site index is not available, site class is used (based on age and height), estimated from known other, or replaces the SI.

4e. ESTIMATED SITE INDEX
SI is estimated when suitable SI trees aren't present, e.g. young stands, stands with only trees of poor form, stands with predom-inant inaccessible trees. In the data base a numeric Type Group and SI Estimated source code.

Line 5 - Vegetation Inventory

VEGETATED NON-TREE CATEGORIES (5a/ 6 and 7 on-ward)

NON-TREED SHRUB
- a SHRUB TALL - shrub with average shrub height 1 or +/- two metres
- b SHRUB LOW - shrub with average shrub height < two metres

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

NON-TREED MOSS
- s MOSS - bryoid with no distinction between mosses and lichens by cover.
- sh MOSS - HERB - bryoid with mosses having a, and herbs/g > 50% of the bryoid cover.
- l LICHEN - bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (5a/ 6 and 7 on-ward)

aa AIRPORT	gr GRAVEL PIT	mu MUDFLAT SEDIMENT	rm RESERVOIR MARSH
b BEACH	i ICE	mw MUDFLAT WAVE SWEPT	rs RESERVOIR SHRUB
bl BOULDERFIELD	l LAKE	oc OCEAN	rt RIVER SEDIMENTS
br BEDROCK	la LANDING	or OTHER	ru ROAD SURFACE
c CLIFF AREA	ls LAKE SEDIMENTS	ot TERRESTRIAL COVER	s SNOW
cl CUTBANK	m MISC.	r RESERVOIR	t TALUS
e EXPOSED SOILS	w WOMANS	rh RIVER / STREAM	u URBAN

Note: Water categories (l, rh, rm, rs, rt) are digitized as waterbodies at all scales and all percent coverages.

NON-FOREST / NON-PRODUCTIVE DESCRIPTION CODES (5a/ 7 on-ward)

A ALPINE	NP NON-PRODUCTIVE	SAND SAND	
FOR FOREST (Species	NPBR NON-PRODUCTIVE BRUSH	SILT SILT	
C CULTIVATED	NPBS NON-PRODUCTIVE BURN	U URBAN	
CL CLAY BANK	NPF NON-PRODUCTIVE FOREST (Species		
G GLACIER	NPLK NON-PRODUCTIVE LAKE	NC NON COMMERCIAL	
GR GRAVEL PIT	NPR OPEN RANGE	NCBR NON COMMERCIAL BRUSH	
ICE ICEFIELD	P WATFIELD	NP NON-PRODUCTIVE	
L LAKE	R ROCK	NPBR NON-PRODUCTIVE BRUSH STOCKED	
MUD MUDFLAT	S SNOW	NPA NOT FORM ANALYSIS	

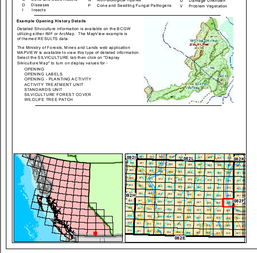
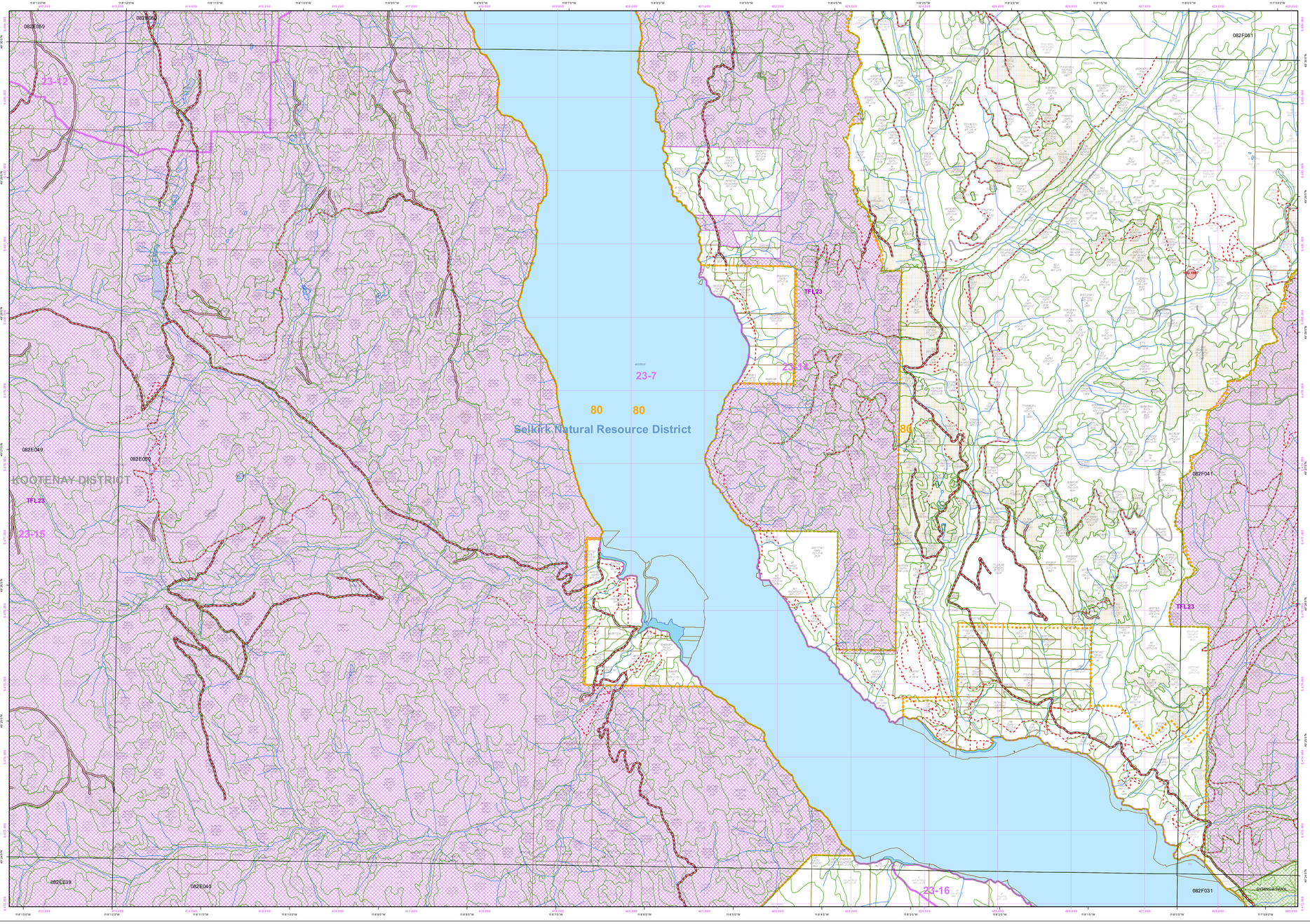
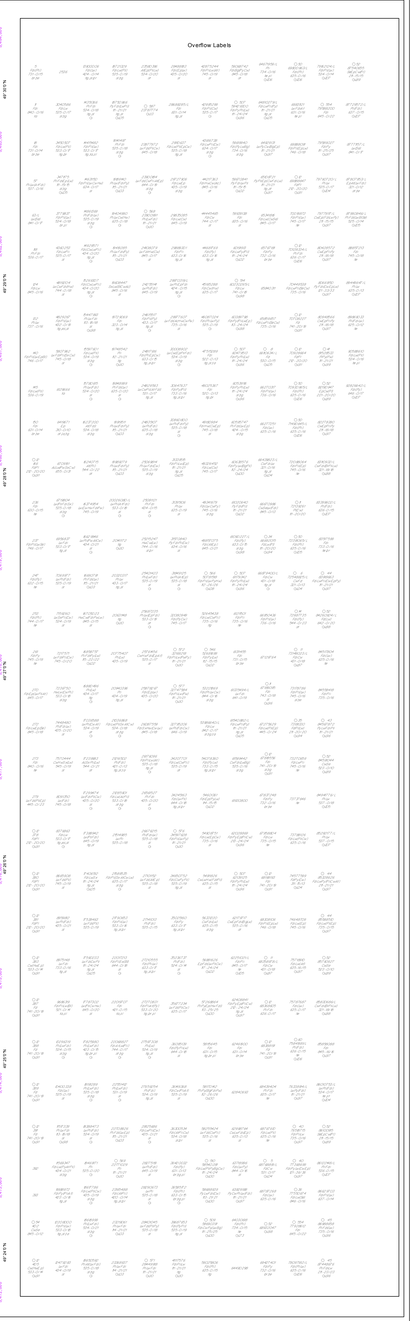
Line 6 - Disturbance History

Disturbance type code is 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	Wide Damage
D	Insects and Seed Insects	N	Non-Biological Injuries
Q	Disease	P	Cone and Seedling Fungal Pathogens
I	Unknown		
R	Site Perturbations		
T	Treatment Injuries		
U	Damage Unknown		
V	Problem Vegetation		

Example Opening History Details

Detailed Silviculture information is available on the BCGW (Warehouse) as WHSE_FOREST_VEGETATION.RSLT_OPENING_SVW. The MapView example is offered as a WEB TOOL.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the 5 SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
OPENING - TREATMENT UNIT
SOILDISTURB
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH