Vegetation Map
082G041

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

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: BCGS NTS/BC Tantalis

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to display the vegetation data for the Ministry of Forests, Lands, and Natural Resource Operations. The information contained may not be complete and up to date. Consult the administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revised to June 2014).

Labels Projected To: January 7, 2016

MAP SYMBOLOGY

Forest Inventory Feature:
- Forest Vegetation Polygons
- Silviculture Opening or Vegetation
- Permanent Sample Plot (1015)
- Research Installations

TRIM - Base Feature:
- 4x Roads
- Fleeting Network Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Aqf Airports
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Island Boundary (1:1,000,000 Tab - 1% Halo)
- Mainland Boundary (1:1,000,000 Tab - no halo)
- Rivers - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- FLNRO Region boundary
- Resource District boundary - FADM
- Aac Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area Block - FADM
- Tree Farm Licenses - FADM
- Land Districts boundary
- Administrative boundary
- Survey Parcels - Tantalis
- National Parks
- Park Reserve
- 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 label 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 Inventory Type Group or Biogeoclimatic Ecosystem Classification
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:
OGNR - opening number refer for BCGS mapsheet OGNR - 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 database, i.e. 1.2)

Line 3 - Species Label (Leading):
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 BSAM
- Cw Western Red Cedar
- Ch Yellow Cedar
- Y Yellow Cedar
- Fd Douglas Fir
- Fdi Interior Douglas Fir
- Fdc Coastal Douglas Fir
- F Fir (Balsam)
- Bl Subalpine Fir
- Sx Grand Fir
- B Subalpine Fir (alpine)
- Ep Engelmann Spruce
- Sxw Hybrid Interior Spruce
- Sxs Hybrid Sitka Spruce
- Hm Amabilis x Western Hemlock hybrid
- Hw Western Hemlock
- J Rocky Mtn. Juniper
- Jr Creeping Juniper
- Js Savin Juniper
- Lt Tamarack
- Lw Western Larch
- P PINUS
- Pl Lake Pine
- Pli Lodgepole Pine
- Pla Lodgepole Pine (alpine)
- Plc Lodgepole x Jack Pine hybrid
- Pli Lodgepole x Jack Pine hybrid
- Pa Alaska Pine (Japan)
- Pw Western White Pine
- Pyc Ponderosa Pine
- SPRUCE
- Sb Black Spruce
- Sw White Spruce
- Se White Spruce
- Sxl Sitka Spruce
- Sx Spruce Hybrid
- Sxe Engelmann x White
- Sxl Sitka x White
- Sxl Sitka x unknown hybrid
- Yc Cypress
- Yc Western Yew

NATIVE HARDWOODS
- AC ALDER
- Dr Red Alder
- Ra Red Alder
- Ac Pacific Crab Apple
- AP POPLAR, COTTONWOOD or POPLAR
- Ac Aspen
- Ax Black Cottonwood
- Ba Balsam Poplar
- Act Aspen/Cottonwood
- Bp Balsam Poplar Black
- Bpb Balsam Poplar Black hybrid
- Bpw Balsam Poplar White
- Ep Aspen Black
- Ep Aspen White
- Ac Cascara
- Ch Choke Cherry
- Hi Choke Cherry
- Ch Choke Cherry
- Dg Dogwood
- DOGWOOD
- Dp Pacific Dogwood (western flowering)
- Dr Red Osier
- Mb Mountain Maple
- OAK
- Gb Garry Oak
- Qg Garry Oak
- Wi WILLOW
- Wb Black Willow
- Wp Pacific Willow
- Wr Peachleaf Willow (Bonsai's)
- Wd Piper Willow (grey leaved)
- Wr Red Willow
- Wsx Sitka Willow (blue leaved)

UNKNOWN - OTHER
- Ax unknown Alder
- Ax unknown Hardwood
- Ah unknown Hardwood
- Ax unknown Hardwood (not ALD)
- Ah other Leaf/Broadleaf
- Ax other hardwood

EXOTICS
- APPLE
- Ja Japanese Larch
- Ax Black Cottonwood
- Ba Balsam Poplar
- Bi European Birch
- Bp Balsam Poplar (Hybrid)
- Cedar Arborvitae
- CHERRY
- Ch Choke Cherry
- Cherry
- Thuja Giant Cedar
- Ch Choke Cherry
- Ld European Larch
- Lj Japanese Larch
- MAPLE
- Mb Box Elder
- Mn Norway Maple
- Mp Sycamore Maple
- OAK
- Qb English Oak
- Qr White Oak
- Qr Red Oak
- Oa Hungarian Oak
- Qp European Mountain Ash
- Rp European Mountain Ash
- Cr Common Pear
- Dg Dragon Ash
- Ep Empress Tree
- Ho Hungarian Hickory
- Cl Tilia platyphyllos
- Ul Siberian Elm
- Ulc Camperdown Elm
- WILLOW
- Wb Black Willow
- Wp Pacific Willow
- Wr Peachleaf Willow (Bonsai's)
- Wd Piper Willow (grey leaved)
- Wr Red Willow
- Wsx Sitka Willow (blue leaved)

Line 4:

4a. AGE CLASS

CODE	AGE RANGE (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 +

4a. SITE INDEX
SI: Site Index is the mean stand height at 50 years
Mean height is the basal area weighted height of the dominant & subdominant trees (trees in the upper 1/3 of age and height) estimated 5m shown after or replaces the SI.

4b. HEIGHT CLASS

CODE	HEIGHT (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 25.4
4	26.5 - 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	CLOSURE (% canopy/age)
P	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. ESTIMATED SITE INDEX
It is estimated when suitable SI trees aren't present, e.g. young stands, non-forested areas, or when the site index of the dominant & subdominant trees is inadequate data. Interpretive tree Group and SI estimated source code.

Line 5 - Vegetation record 5:

VEGETATED NON-TREE CATEGORIES (for 4 and 5 records)

NON-TREED SHRUB
- al SHRUB TALL — shrub with average shrub height > or = to two metres
- as SHRUB LOW — shrub with average shrub height < two metres

NON-TREED HERB
- h HERB — herb with no distinction between forbs and graminoids
- hf FORB / HERBS — herb with forbs > 50% of the herb cover
- hg GRAMINOID — herb with graminoids > 50% of the herb cover

NON-TREED MOSS
- sp MOSS — bryoid with no distinction between mosses and lichens by cover
- bm MOSS - MOSS — bryoid with mosses (hylocomnium, pleurozium) > 50% of the bryoid cover
- bl MOSS - LICHEN — bryoid with lichens > 50% of the bryoid cover

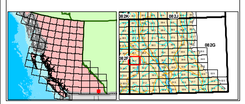
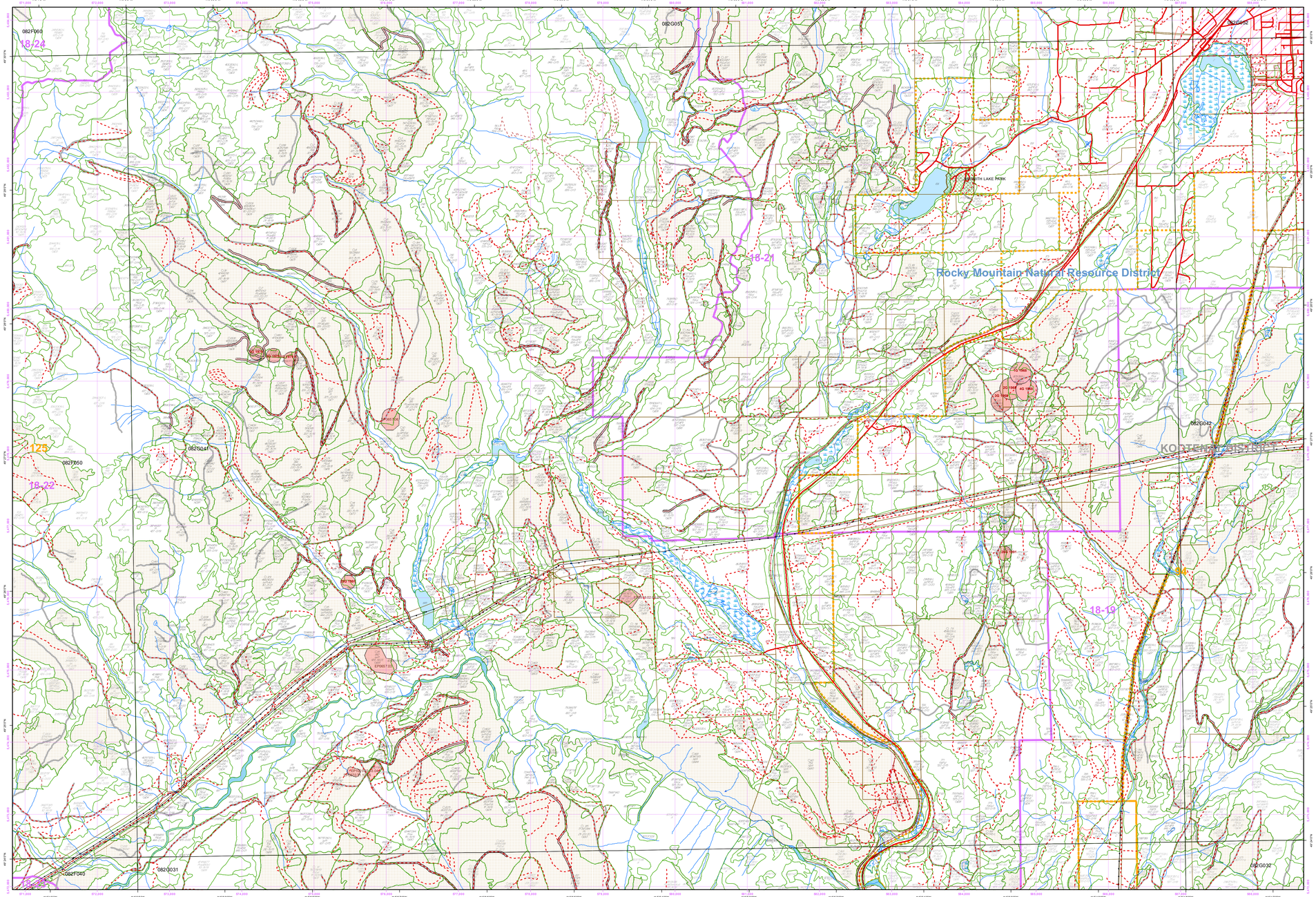
NON-VEGETATED
- ai Exposed Land
- ro Rock Outcrop
- si Snow / Ice

NON-VEGETATED CATEGORIES (for 4 and 5 records)
- ap AIRPORT
- bu BUILDING
- cl CLEARCUT
- cr CREVICE
- cu CULTIVATED
- ex EXPOSED SOILS
- fl FLOOD
- gr GRAVEL PIT
- ic ICE
- la LANDING
- ls LANDING SEDIMENTS
- oc OPEN PIT MINE
- sc SCRAMBLE
- mw MUSKEG WATER
- ow OPEN WATER SWAMP
- rc ROCK
- rl OTHER
- sn SNOW COVER
- tz TRANSITION
- rv RIVER / STREAM
- rm RESERVOIR MARGIN
- rw RESERVOIR WATER
- rs RIVER SEDIMENTS
- rs ROAD SURFACE
- sl SALINE
- tz TAILINGS
- ur URBAN

Note: these categories may be combined with vegetated non-tree coverage.

NON FOREST / NON PRODUCTIVE DESCRIPTOR CODES (for 5 records)
- A ALPINE
- AF ALPINE FOREST (Species)
- C CULTIVATED
- CL CLAY BANK
- CP CLAY PIT
- GR GRAVEL PIT
- ICE ICEFIELD
- L LOW BROOM
- MOD MODIFIED
- NP NON PRODUCTIVE
- NPB NON PRODUCTIVE BRUSH
- NPBS NON PRODUCTIVE SHRUB
- NPF NON PRODUCTIVE FOREST (Species)
- NPL NON PRODUCTIVE LICHEN
- OPEN OPEN GRASS
- P WATFILL
- R ROCK
- S SAND
- SAND SAND
- SILT SILT / CLAY
- U URBAN
- W WATER
- WL NON COMMERCIAL
- WLB NON COMMERCIAL BRUSH
- WP NON PRODUCTIVE
- WSI NON PRODUCTIVE SITE TYPE
- WTA NOT PRODUCTIVE/UNSUITABLE

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
- B Wildfire
- D Deciduous and Seed Insects
- O Overstory
- I Insects
- L Logging
- M Mine Damage
- N Non-Biological Injuries
- P Cone and Seedling Fungal Pathogens
- S Site Perturbation
- T Treatment Injuries
- U Damage Unknown
- V Problem Vegetation

Example Opening History Details:
Detailed opening information is available on the BCGW (showing attributes in ArcMap). The Mapview example is of the selected 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
OPENING MANAGEMENT UNIT
CONSERVATION UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH