103G081

Vegetation Map
103G081

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 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
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GYS)
- Research Installations

TRIM, Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- HydroNavBarriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

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:

○12
123/L
Fd(Hw)
211-20
he,sl
GL78

LINE DESCRIPTION
1 Silviculture 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 (Dougls 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 Vegetated Density Class (or Non-Forest/Productive Descriptor)
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 Opeing Number

○12 - opening number valid for BCGS mapsheet   blank - 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 availiable in the data base, i.e. 1,2)

Line 3 - BC Tree Code List

Species Compsition: 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 dataed 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 hydrid
- J JUNIPER
- Jr Rocky Mtn. Juniper
- Js Seaside Juniper
- L LARCH
- La Alpine Larch
- Lt Tamarack
- Lw Western Larch
- P PINE
- Pj Jack Pine
- Pf Limber Pine
- Pl Lodgepole Pine
- Pli Lodgepole Pine (interior)
- Pxj Lodgepole x Jack Pine hybrid
- Py Ponderosa Pine (yellow)
- Plc Shore Pine (coast)
- Pw Western White Pine
- Pa Whitebark Pine
- S SPRUCE
- Sb Black Spruce
- Se Engelmann Spruce
- Ss Sitka Spruce
- Sw White Spruce
- Sx Spruce hybrid
- Sxw Engelmann x White
- Sxl Sitka x White
- Sxs Sitka x unknown hybrid
- T YEW
- Tw Western Yew

NATIVE HARDWOODS
- D ALDER
- Dr Red Alder
- U APPLE
- Up Pacific Crab Apple
- A ASPEN, COTTONWOOD or POPLAR
- Ac Poplar
- Acb Balsam Poplar
- Act Black Cottonwood
- Ax hybrid Poplars
- At Trembling Aspen
- R ARBUTUS
- Ra Arbutus
- E BIRCH
- Ea Alaska Paper Birch
- Exp Alaska x Paper Birch hybrid
- Ep Paper Birch (white)
- Ew Water Birch
- K CASCARA
- Kc Cascara
- V CHERRY
- Vb Bitter Cherry
- Vv Choke Cherry
- Vp Pin Cherry
- G DOGWOOD
- Gp Pacific Dogwood (western flowering)
- M MAPLE
- Mb Bigleaf Maple (broadleaf)
- Mv Vine Maple
- Q OAK
- Qg Garry Oak
- W WILLOW
- Wb Bebb's Willow
- Wp Pacific Willow
- Wa Peachleaf Willow (Barclay's)
- Wd Pussy Willow (gray-leaved)
- Ws Scouler's Willow
- Wt Sitka Willow (tea-leaved)

UNKNOWN - OTHER
- X UNKNOWN
- Xc unknown conifer
- Xh unknown hardwood
- Z OTHER (tree not on list)
- Zc other conifer
- Zh other hardwood

EXOTICS
- APPLE
- Ua Apple
- ASPEN, COTTONWOOD or POPLAR
- Ad *Southern Cottonwood
- BIRCH
- Ee European Birch
- Es Silver Birch (swamp)
- Ey *Yellow Birch
- CHERRY
- Vs Sweet Cherry
- CYPRESS
- Yp *Port Orford Cedar
- FIR (Balsam)
- Bb *Balsam Fir
- Bp Noble Fir
- Bm *Shasta Red Fir
- Bc *White Fir
- LARCH
- Ld *Dahurian Larch
- Ls *Siberian Larch
- MAPLE
- Me Box Elder
- Mn *Norway Maple
- Ms *Sycamore Maple
- OAK
- Qe *English Oak
- Qw *White Oak
- OTHER EXOTICS
- Oa *Incense Cedar
- Ob *Giant Sequoia
- Oc *Coast Redwood
- Od European Mountain Ash
- Oe Siberian Elm (southern)
- Of Common Pear
- Og Oregon Ash
- Oh *White Ash
- Oi *Shagbarck Hickory
- Oj Tree-of-heaven
- Ok Japanese Walnut
- PINE
- Pm *Monterey Pine
- Pr *Red Pine
- Ps *Sugar 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)
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 shown to 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 after, or replaces the SI.

4e ESTIMATED SITE INDEX
SI is estimated when suitable SI trees are not present, e.g. young stands (<30yrs). 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)

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

NON-TREED HERB
- he HERB - herb with no distinction between forbs and graminoids.
- hf HERB - FORBS - herb with forbs > 50% of the herb cover.
- hg HERB - GRAMINOIDS - herb with gaminoids > 50% of the herb cover.

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

NON VEGETATED
- el Exposed Land
- ro Rock / Rubble
- si Snow / Ice

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
be	BEACH	la	LAKE	mz	RUBBLY MINE SPOILS	rn	RAILWAY SURFACE
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN	rs	RIVER SEDIMENTS
br	BEDROCK	ll	LANDING	ot	OTHER	rz	ROAD SURFACE
bu	BURNED AREA	ls	POND or LAKE SEDIMENTS	pn	SNOW COVER	ta	TALUS
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR	tz	TAILINGS
es	EXPOSED SOILS	mn	MORAINE	ri	RIVER / STREAM	ur	URBAN
gl	GLACIER						

Note: Water categories (la, oc, re, ri) not labelled over 90 percent coverage.

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

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
AF	ALPINE FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	TIDE	TIDAL FLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST /Species		
G	GRAVEL BAR	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	OPEN RANGE	NCBR	NON COMERCIAL BRUSH
ICE	ICEFIELD	P	HAYFIELD	NP	NON PRODUCTIVE
M	MEADOW	R	ROCK	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

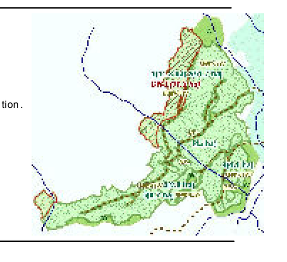
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

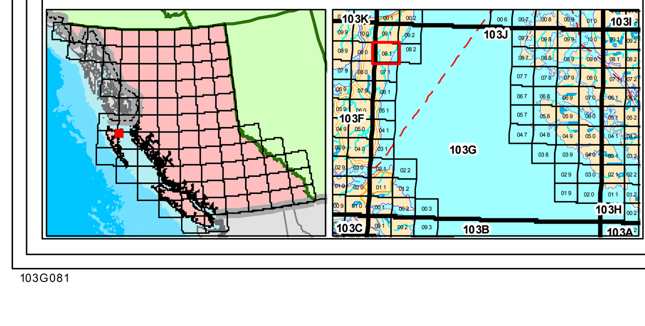
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

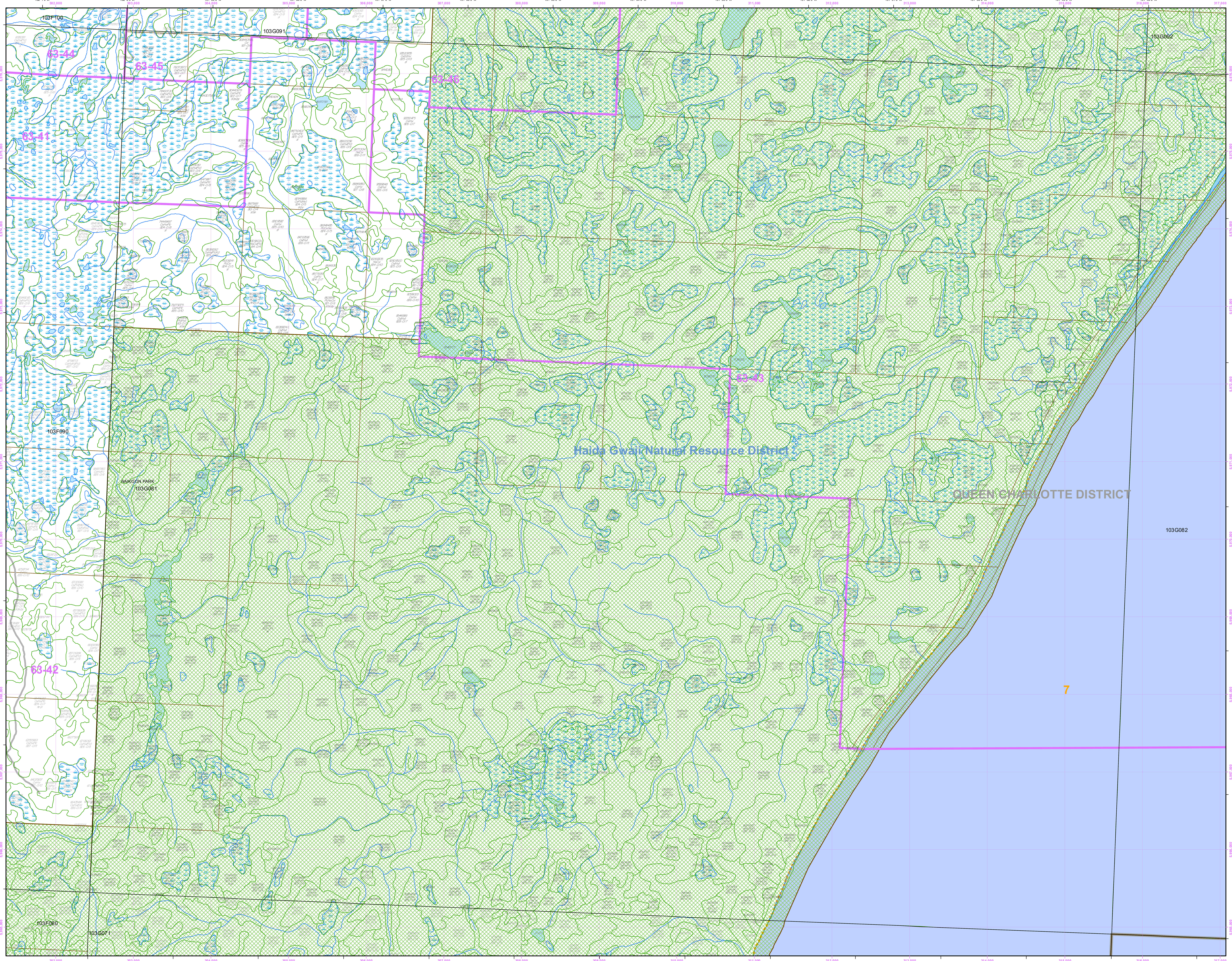
Example Opening History Details

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







Overflow Labels

235538 Cw 811-0/4 by,be,la,sl	21558353 CwHw 826-0/5	39600632 Cw 610-0/4 by,be,sl	67625305 HwPlc(Cw) 825-0/5	78576448 CwHwPlc 620-0/7 he by,sl	94229662 HwCwPlc 924-0/4 sl
635416 CwHw 811-0/4 sl be,by	21579980 CwPlc(Hw) 825-0/6 sl	40350398 HwCw 846-0/12	67815466 CwHw 826-0/9	78697639 HwCwPlc 821-0/5 sl be,by	94828260 CwPlc(Hw) 915-0/4 sl
740908 HwCw(Ss) 836-0/10	21808506 CwHw 825-0/5	40680088 CwHw 418-0/8	68355556 CwHw 826-0/9	80139896 CwPlcHw 923-0/6 sl be	94835251 HwCw 826-0/5
825639 HwCw 923-0/6 sl	22107145 CwHw 817-0/5	40878218 Plc(CwSs) 425-0/11	68617357 CwHw 835-0/10	80194588 he by	94884444 CwHw 825-0/5
1405480 he,by	22889753 CwHw 827-0/6	41190483 Hw(Cw) 828-0/7	68637168 HwCw 835-0/10	80217138 HwCw 821-0/5 he sl,by	95379311 HwCw 924-0/5 by
2030950 by be,sl	24625539 Ss 830-0/9 sl be,by,ot G	41658178 Hw(Cw) 413-0/3 sl be	68878288 HwCw 510-0/2 by,be,sl	80714872/L CwHw 831-0/10	95529084 PlcHwCw 610-0/3 he by,sl,la
2048386 PlcHw(Cw) 811-0/4 by be,sl	24888282 CwHw(Ss) 836-0/10	42068123 Plc(Ss) 421-0/10 sl G	70087869 CwHwYc 826-0/6	81227100 PlcCwHw 821-0/5 by,sl,he	95605020 CwHw 811-0/4 he by,sl
2674812 CwHw 812-0/4 by be,sl	2616618 CwHw 835-0/11	42360607 Cw 610-0/4 sl,by,he	70188716 CwHwPlc 827-0/8	82430460 HwCwPlc 821-0/6 sl be,by	96675522 CwPlc(Hw) 812-0/4 he by,sl
3411884 HwCwPlc 712-0/3 sl be,by	26600735 CwHwPlc 610-0/5 by be,sl	42539280 HwPlc 514-0/4 he,sl	70448747 CwHw 836-0/10	82550604 CwPlc(Hw) 826-0/7	97058487/L Plc(Cw) 813-0 sl
4210835 CwHwPlc 713-0/5 sl be	27270723 CwHw 825-0/7 sl	43098349 PlcCwSsHw 526-0/11	70899529 CwHwPlc 824-0/8 sl	82960192 CwHw 810-0/5 he by,sl	97274496 CwHw 811-0/4 he by,sl
4698469 CwHwPlc 836-0/10	27597159 CwPlc 823-0/8 sl be,by	43299693 CwHw 825-0/7 sl	71079735 HwCw 510-0/2 by be,sl	83460427 HwPlc(Cw) 822-0/5 sl be	97279359 HwCw 836-0/10
5705401 Cw 813-0/3 he by,sl	28679391 CwHw 610-0/3 by be,sl	43408592 he by,sl	71248271 CwHwPlcPlc 812-0/5 sl be,by	83851089 CwHwPlc 824-0/9 sl	97679526 HwCw 611-0/2 sl be,by
6149351 CwHw 824-0/5 sl	28647109 Cw 821-0/6 sl be,by	43610608 Cw 610-0/4 sl by,be	71496004 HwCw 837-0/9	84371060 HwCw 510-0/2 sl by,be,la	98180978 CwHw 826-0/7
6800605 Cw(Hw) 826-0/6	29289978 HwCw 834-0/10 sl	43618350 HwSs 211-0/9 es,sl	7153914 CwHw 822-0/6 sl be	84880686 PlcHw(Cw) 813-0/4 he by,sl	98219209 Hw(Cw) 611-0/2 by be,sl
8515671 Hw 814-0/4 sl	29800717 HwCw 827-0/5	43929717 Hw 610-0/5 he by,sl	71718576 CwHwPlc 834-0/10 sl	84984525/L Plc 611-0/3 sl	98469827 HwCw 825-0/8
8515735 Cw 810-0/3 by be,sl	30026817 Cw 810-0/4 by,la,he,sl	44708503 Ss 735-0/12 by	71844628 CwHw 825-0/7 sl	85520973 CwPlc(Hw) 824-0/7 sl	98496917 Hw(CwPlc) 812-0/4 he by,sl
8520882 CwHw 825-0/8 sl	30106551 Cw 810-0/6 by be,sl	44708612 PlcCwHw(Ss) 514-0/7 he	71869450 CwHw 711-0/5 he sl,by	85660494 CwPlc(Hw) 822-0/6 sl be,by	99555607/L Cw(Hw) 515-0/4
8869206/L HwCwPlc 412-0 he by,sl	30369405 Cw 610-0/5 by be,sl	45778732 Ss 736-0/11	71926289 HwPlc(Cw) 821-0/5 he by,sl	86151076 CwHw 824-0/9 sl	99588813 CwHwPlc 810-0/4 he by,sl
9786215 CwHwPlc 826-0/7	30438460 CwPlc(Hw) 835-0/10 sl	45838839 PlcCw(Ss) 525-0/8	7196914 HwCw 825-0/5 sl	8631945 by be,sl	
10610805 SsHw 955-0/13 sl	30487562 CwHwPlc 823-0/6 he sl	46318724 Ss 830-0/10 es,sl,be	72141087 Cw(Hw) 834-0/10 sl	86649310 Cw 835-0/10 sl	
11730297 CwHwPlc 827-0/6	31690397 CwPlc(Hw) 823-0/7 sl be	46598898 SsHw(Cw) 835-0/11	72670868 Cw(Hw) 834-0/10 sl	88044517 CwHwPlc 826-0/10	
12587616 Cw(Hw) 811-0/4 by be,sl	32106847 CwPlc 820-0/7 by be,sl	47128951 HwPlc(SsCw) 814-0/4 sl	73079563 PlcCw(Hw) 713-0/2 sl by,be	88445687/L Cw 225-25/25	
12704686 HwCw 614-0/3 sl	32588872 Cw(Hw) 827-0/6	47309081 HwPlcCw 511-0/3 by be	73081172 Cw(Hw) 834-0/10 sl	89759641 CwHwPlc 826-0/6	
12815010 HwCwPlc 811-0/4 he by,sl	32857551 CwHwPlc 823-0/6 sl be	47398872 Ss 834-0/10 sl	73126215 CwPlc 810-0/5 sl be,by	91440812 HwCwPlc 811-0/4 sl be,by	
13366247 Cw(Hw) 826-0/7	33970541 la,sl,be	47569169 HwPlc(SsCw) 814-0/4 sl	73276866 CwPlc 820-0/7 by be,sl	91449147 HwCw 812-0/4 he sl,by	
13909992 HwCw 713-0/3 sl be,by	35227456 Cw 620-0/7 sl be	47619686 CwHw 821-0/7 he sl,la,by	73407185 HwPlc(CwSs) 823-0/6 he sl	91608167 CwYcPlcHw) 914-0/4 sl	
14064662 Cw 826-0/8	36427097 be	48079506 CwHwPlc 510-0/2 by be,sl	73496979 Hw 920-0/4 by be	92120629 HwCw 836-0/8	
15076079 Hw(Cw) 821-0/7 sl be,by	36750622 SsHwCw 846-0/11	48239711 CwHw 826-0/9	74499962 CwPlc(Hw) 812-0/4 sl be	92178088 CwYc(Hw) 911-0/4 sl be,by	
16314287 Ss 830-0/10 sl be,by G	37368779 CwPlc 825-0/7	48560271 Cw(Ss) 824-0/7 sl	74701166 Cw(Hw) 834-0/10 sl	92384563 CwHw 820-0/7 by be	
18000799 CwHw 820-0/7 by be,sl	37389268 Hw(Cw) 710-0/3 by be,sl	66764697 CwHwPlc 836-0/10	75741157 Cw(Hw) 834-0/10 sl	92957699 CwHw 710-0/3 by be,sl	
20524804 es	37740654 Cw 510-0/2 he by,sl	67155207 CwHw 836-0/10	76466503 Cw 710-0/5 by be	93268158 HwCwPlc 710-0/2 by be,sl	
20644924 HwSs 425-0/10 sl G	38017803 PlcCwHw) 427-0/10	67184821 CwHwPlc 836-0/10	78345139/L Cw(Hw) 833-0/10	93401027 CwHw 810-0/5 by be,sl	
20756475 CwHwPlc 711-0/5 sl be,by	38059692 Cw 825-0/8	67355356 Cw(Hw) 832-0/10 sl	78430756/L HwPlc(Cw) 812-0/4 sl be	94019567 HwCw 610-0/3 by be,sl	

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