Vegetation Map
103B016

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:

Example	LINE	DESCRIPTION
○12	1	Silviculture symbol and Opening Number
123/L	2	Polygon Number and multi-layer stand indicator (L)
Fd(Hw)	3	Species Composition ex: the most important layer is described as Fd (Dougls Fir) and Hw (Western Hemlock).
211-20	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
he,sl	5	Vegetated Density Class (or Non-Forest/Productive Descriptor) ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
GL78	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 avaliable 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 hybrid; 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 *Shagbark 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)	4b HEIGHT CLASS CODE	LIMITS (metres)	4c CROWN CLOSURE CLASS CODE	LIMITS (percentage)
				0	0 - 5
1	1-20	1	0.1 - 10.4	1	6 - 15
2	21-40	2	10.5 - 19.4	2	16 - 25
3	41-60	3	19.5 - 28.4	3	26 - 35
4	61-80	4	28.5 - 37.4	4	36 - 45
5	81-100	5	37.5 - 46.4	5	46 - 55
6	101-120	6	46.5 - 55.4	6	56 - 65
7	121-140	7	55.5 - 64.4	7	66 - 75
8	141-250	8	65.5 +	8	76 - 85
9	251 +			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; be BEACH; bl BLOCKFIELD; br BEDROCK; bu BURNED AREA; cb CUTBANK; es EXPOSED SOILS; gl GLACIER; gp GRAVEL PIT; la LAKE; lb LAVABED; ll LANDING; ls POND or LAKE SEDIMENTS; mi OPEN PIT MINE; mn MORAINE; mu MUDFLAT SEDIMENT; mz RUBBLY MINE SPOILS; oc OCEAN; ot OTHER; pn SNOW COVER; re RESERVOIR; ri RIVER / STREAM; rm RESERVOIR MARGIN; rn RAILWAY SURFACE; rs RIVER SEDIMENTS; rz ROAD SURFACE; ta TALUS; tz TAILINGS; ur URBAN

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

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

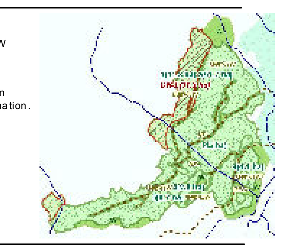
Line 6 - Disturbance History
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

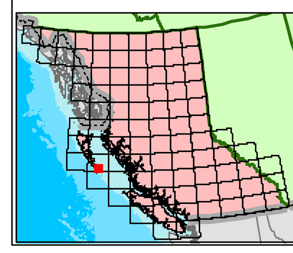
A Animal Damage; B Wildfire; C Cone and Seed Insects; D Diseases; I Insects; L Logging; M Mite Damage; N Non-Biological Injuries; P Cone and Seedling Fungal Pathogens; R Site Rehabilitation; T Treatment Injuries; U Damage Unknown; V Problem Vegetation

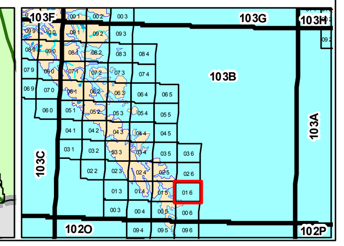
Example Opening History Details

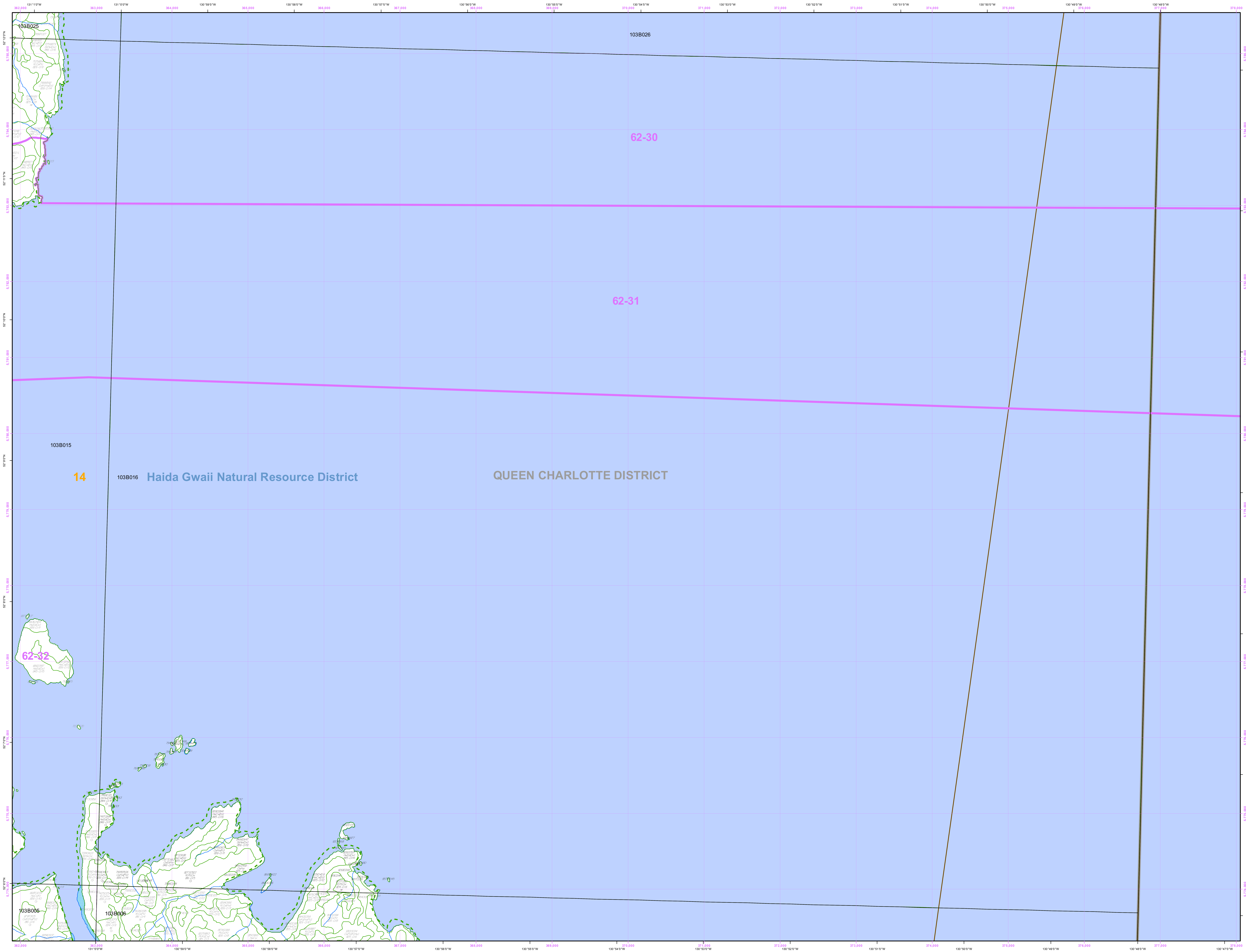
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

73650599 SsHwCw 856-0/18
74120418 YcPlcCw(Hw) 814-0/5 he
74771001 br
7481159 br
75021063 br
7521173 br
75260396 YcCwPl(cHw) 816-0/5
76720418 CwYcHwPl(c) 815-0/4 he
76941286 br
7718041 CwYcPlc 811-0/2 he by,br
7731308 br
78450843 Ss(Hw) 806-0/8
78731310 br
78761347 br
78980384 YcCwPlc 811-0/3 by he,sl
79421416 br
79491471 br
79981475/L Ss 427-0/14
80271469 br
80661409 br
81001474 br
83030395 SsCwHw 856-0/13
84371012 br
86430356 HwCwSs 835-0/12 br
86670422 br
89740311 SsHw(Cw) 855-0/16
91510344 PlcYcCw(Hw) 826-0/8
92040661 br
92130610 br
92320735 br
92680364 CwPlc(YcHw) 825-0/6 he
92840677 br
93370316 HwCwSs 835-0/13
93420497 br
93680480 br
93790329 br
95770345 br