Vegetation Map
082F078

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
- Sivicuture 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 *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)
1	1-20	1	0.1 - 10.4	0	0 - 5
2	21-40	2	10.5 - 19.4	1	6 - 15
3	41-60	3	19.5 - 28.4	2	16 - 25
4	61-80	4	28.5 - 37.4	3	26 - 35
5	81-100	5	37.5 - 46.4	4	36 - 45
6	101-120	6	46.5 - 55.4	5	46 - 55
7	121-140	7	55.5 - 64.4	6	56 - 65
8	141-250	8	65.5 +	7	66 - 75
9	251 +			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; 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; ru 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 MUDFLAT; 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 COMERCIAL 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.

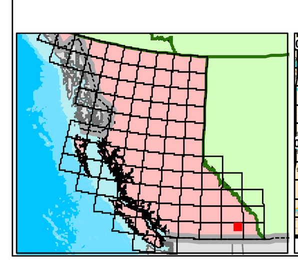
A Animal Damage; B Wildfire; C Cone and Seed Insects; D Diseases; I Insects; L Logging; M Mite Damage; N Non-Biological Injuries; P Cone and Seedling Fungal Pathogens; R Site Rehabilitation; T Treatment Injuries; U Damage Unknown; V Problem Vegetation

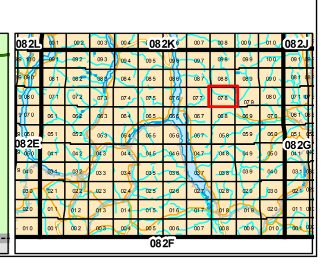
Example Opening History Details

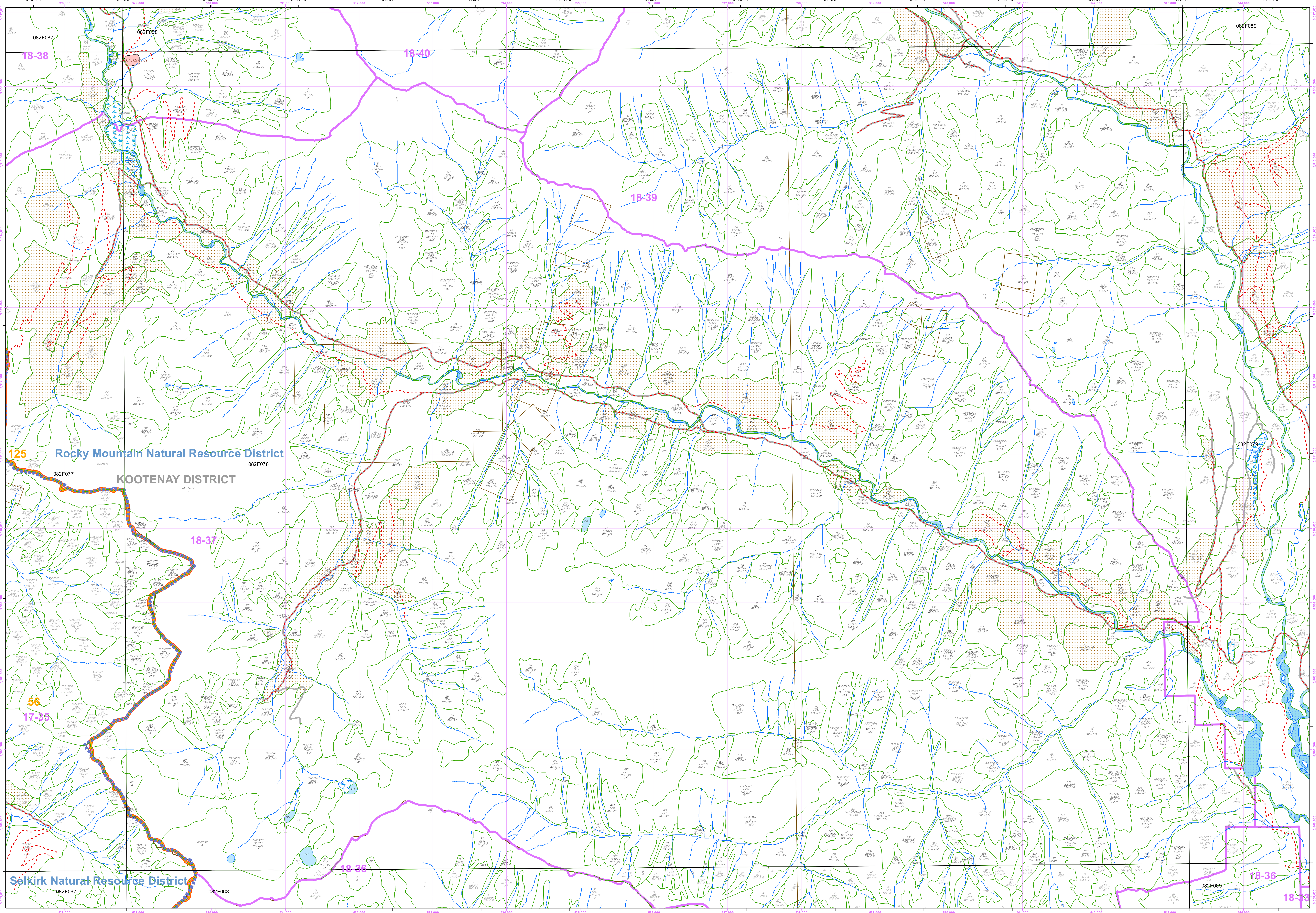
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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

25 Bl(Pa)Se 833-0/7 AF	487 BlLa 822-0/5 AF	689 SeBl(Fd) 835-0/12
26 SeBl 844-0/12	490 SeBl(Pa) 834-0/9	691 Lw(Se) 436-0/22
38 Bl(La)Se 833-0/7 AF	502 Bl(Se) 834-0/8	11787113/L LwAt(FdPl) 332-0/20 GD6
40 Bl(Pa)Se 834-0/7	503 BlLa 625-0/11	13987443/L LwPl(Fd) 834-0/13 GD8
77/L SeLwBl(Fd) 536-0/19	510 BlSe 834-0/7	○ 51 1416349 Sx 535-0/14
87 Pl(Lw) 432-0/16	512 BlSe 524-0/12	○ 51 1428644 Sx 535-0/14
98 BlSe(La) 623-0/9 AF	520 SeBl(HwCw) 834-0/11	17824472/L Pl 534-0/16 GD8
○ 110 104 SeBl(CwHw) 220-18/18 NP GI88	529 Bl(Se) 735-0/11	25719698/L Pl(Bl) 526-0/13 GD7
112 Cw 845-0/8	532 Bl(Se) 635-0/11	26823697/L Lw(BlPl) 532-0/15 GD7
116 PlLwBl 424-0/15	533 Bl(Se) 735-0/11	29719835/L AtPl(SeLw) 324-0/15 GD8
○ 3 119 BlSe 311-11/11	541 BlSe 422-0/15	30144226/L FdLw(Pl) 513-0/16 GD8
126 PlLwBl 424-0/15	543 Bl(Se) 434-0/8	32086340/L Lw(Pl)Fd 535-0/16 GD7
136 SeBl(LwPl) 835-0/9	549 LaBl 833-0/10 AF	37579446/L PlLw 435-0/21 GD7
149 SeBl(LwCw) 435-0/19	565 BlSe 311-11/11	53688636 BlSx 112-18/18 GI59
164/L PlSe(LwBl) 423-0/14	572 CwHwSe(Bl) 846-0/10	57995452 Bl(Se) 521-0/7 he sl
165 LwFdPl 834-0/13	578 SeCw(Bl) 535-0/19	59914082 Bl(Pa) 411-0/6 he sl
168 FdLw(BlPl) 834-0/13	585 AcSe(Cw) 844-0/17	60143945 PaBl 720-0/7 ta he
173 SeAcBl 835-0/11	595 BlSeCw 313-11/11 GI70	60352865 Bl 610-0/4 ta
201 BlSe 424-0/12	604 SeHwCw(Bl) 434-0/18	61004695 BlPa 833-0/6 AF
203 LaBl 726-0/10	618 LwFdSe(At) 535-0/17	61230053 Bl(Pa) 721-0/5 he sl
236 BlSe 635-0/11	621 SeBl 835-0/12	61630223 A
246 SeLwBl 436-0/19	622 NPBR	70344032 SxBl(Pl) 111-18/18 GI95
267 HwCwSe(Bl) 946-0/11	623 HwCwSe(Bl) 836-0/10	85867477/L PlLw 735-0/15 GD7
268 HwCw 221-18/18	631 FdLw(Se)Bl 833-0/13	○ 27 94377153/L LwPlFd 434-0/18 GD5
270 HwCw 221-18/18	635 SeBl(Lw) 835-0/10	
284 CwHw 945-0/10	649 HwCwSe(Bl) 836-0/10	
285 SeHwCw(Bl) 944-0/15	656 SeBl(Lw) 435-0/19	
286 SeBl(Hw 835-0/11	664 Fd(Lw)Pl 534-0/16	
323 SeBl 845-0/14	668 HwCwSe(Bl) 946-0/11	
329 Lw(SeBl) 535-0/16	○ 14 676 NCBR GI66	
356 Lw(Fd) 844-0/16	683 BlSe 423-0/14	
422 LaBl 833-0/10 AF	684 BlSe 834-0/9	
○ 32 441 LwSe(BlPl) 435-0/18	685/L BlLa(Se) 412-0/12	
○ 2 467 PlLw(FdCw) 424-0/18 GI79	686 BlSe 835-0/8	