Vegetation Map

082G007

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 (0.1-10.4 m), 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   bbbk - 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		NATIVE HARDWOODS		EXOTICS	
C	CEDAR	D	ALDER		APPLE
Cw	Western Red Cedar	Dr	Red Alder	Ua	Apple
Y	CYPRESS	U	APPLE		ASPEN, COTTONWOOD or POPLAR
Yc	Yellow Cedar	Up	Pacific Crab Apple	Ad	*Southern Cottonwood
F	DOUGLAS FIR	A	ASPEN, COTTONWOOD or POPLAR		BIRCH
Fd	Douglas Fir	Ac	Poplar	Ee	European Birch
Fdc	Coastal Douglas Fir	Acb	Balsam Poplar	Es	Silver Birch (swamp)
Fdi	Interior Douglas Fir	Act	Black Cottonwood	Ey	*Yellow Birch
B	FIR (Balsam)	Ax	hybrid Poplars		CHERRY
Ba	Amabilis Fir	At	Trembling Aspen	Vs	Sweet Cherry
Bg	Grand Fir	R	ARBUTUS		CYPRESS
Bl	Subalpine Fir (alpine)	Ra	Arbutus	Yp	*Port Orford Cedar
H	HEMLOCK	E	BIRCH		FIR (Balsam)
Hm	Mountain Hemlock	Ea	Alaska Paper Birch	Bb	*Balsam Fir
Hw	Western Hemlock	Exp	Alaska x Paper Birch hybrid	Bp	Noble Fir
Hxm	Mountain x Western Hemlock hydrid	Ep	Paper Birch (white)	Bm	*Shasta Red Fir
J	JUNIPER	Ew	Water Birch	Bc	*White Fir
Jr	Rocky Mtn. Juniper	K	CASCARA		LARCH
Js	Seaside Juniper	Kc	Cascara	Ld	*Dahurian Larch
L	LARCH	V	CHERRY	Ls	*Siberian Larch
La	Alpine Larch	Vb	Bitter Cherry		MAPLE
Lt	Tamarack	Vv	Choke Cherry	Me	Box Elder
Lw	Western Larch	Vp	Pin Cherry	Mn	*Norway Maple
P	PINE	G	DOGWOOD	Ms	*Sycamore Maple
Pj	Jack Pine	Gp	Pacific Dogwood (western flowering)		OAK
Pf	Limber Pine	M	MAPLE	Qe	*English Oak
Pl	Lodgepole Pine	Mb	Bigleaf Maple (broadleaf)	Qw	*White Oak
Pli	Lodgepole Pine (interior)	Mv	Vine Maple		OTHER EXOTICS
Pxj	Lodgepole x Jack Pine hybrid	Q	OAK	Oa	*Incense Cedar
Py	Ponderosa Pine (yellow)	Qg	Garry Oak	Ob	*Giant Sequoia
Plc	Shore Pine (coast)	W	WILLOW	Oc	*Coast Redwood
Pw	Western White Pine	Wb	Bebb's Willow	Od	European Mountain Ash
Pa	Whitebark Pine	Wp	Pacific Willow	Oe	Siberian Elm (southern)
S	SPRUCE	Wa	Peachleaf Willow (Barclay's)	Of	Common Pear
Sb	Black Spruce	Wd	Pussy Willow (gray-leaved)	Og	Oregon Ash
Se	Engelmann Spruce	Ws	Scouler's Willow	Oh	*White Ash
Ss	Sitka Spruce	Wt	Sitka Willow (tea-leaved)	Oi	*Shagbark Hickory
Sw	White Spruce		UNKNOWN - OTHER	Oj	Tree-of-heaven
Sx	Spruce hybrid	X	UNKNOWN	Ok	Japanese Walnut
Sxw	Engelmann x White	Xc	unknown conifer		PINE
Sxl	Sitka x White	Xh	unknown hardwood	Pm	*Monterey Pine
Sxs	Sitka x unknown hybrid	Z	OTHER (tree not on list)	Pr	*Red Pine
T	YEW	Zc	other conifer	Ps	*Sugar Pine
Tw	Western Yew	Zh	other hardwood		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 VEGETATED
- el Exposed Land
- ro Rock / Rubble
- si Snow / Ice

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 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
bi	BLOCKFIELD	lb	LAVABED	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

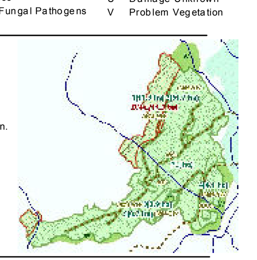
Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

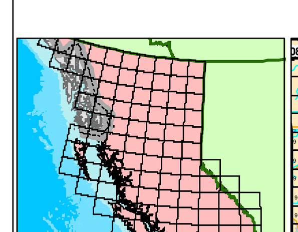
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

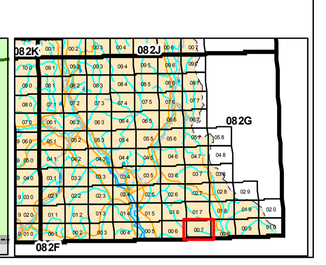
Example Opening History Details

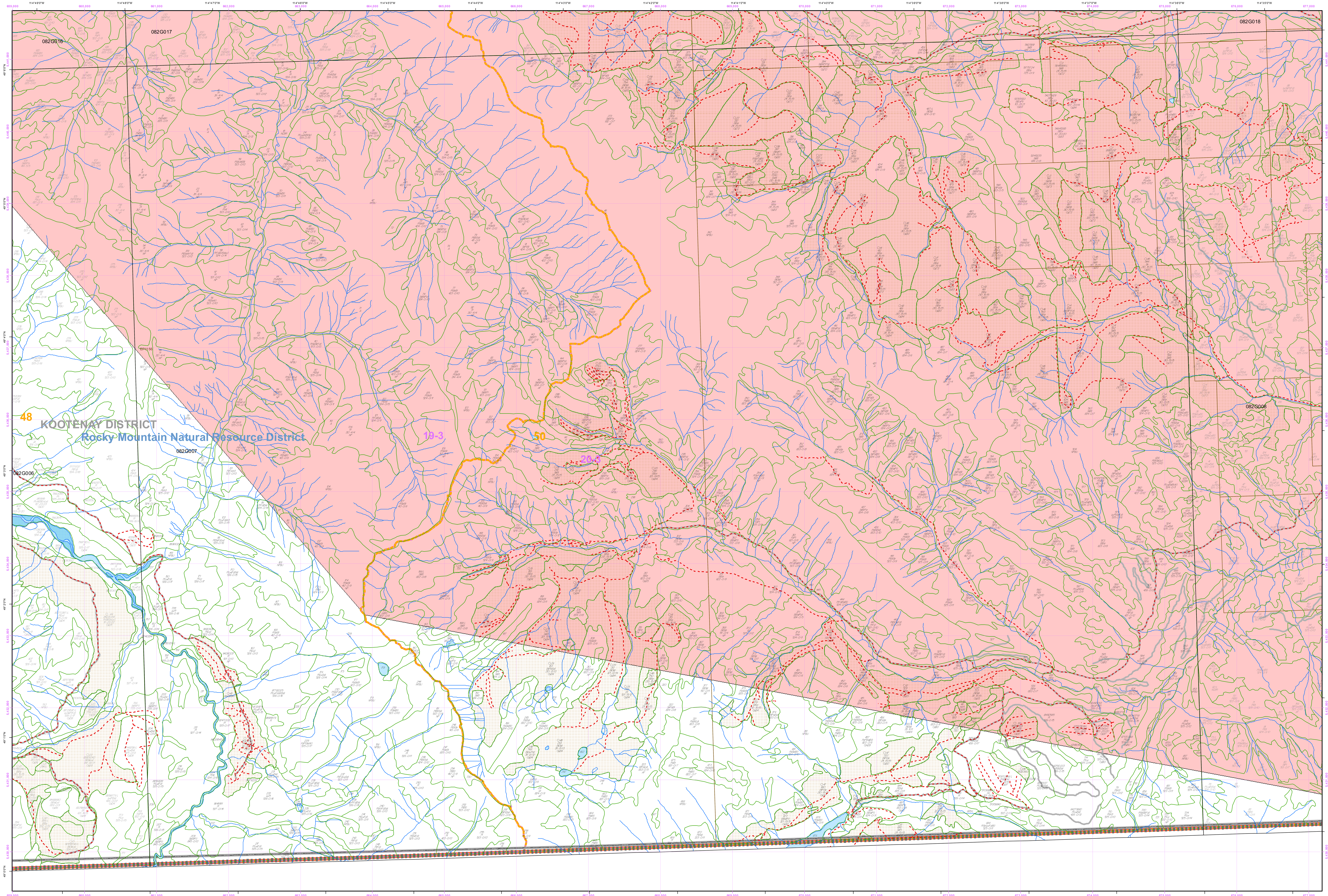
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

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
- WILDFIRE TREE PATCH









Overflow Labels

1 PlSxBl 426-0/11	324 SbPaBl 835-0/8	634 LwPl(Se) 525-0/12	63490412 PlSeBl(Lw) 525-0/12
4 SeBl(Pa) 935-0/9	355 PlSeBl 524-0/11	641 LwPl(Se) 535-0/16	66810717 PlLw 535-0/15 GL80
7 PlSeBl 525-0/11	382/L SeBl(Pl)(Fd) 311-15/15 GL70	643 PlLw(SeBl) 524-0/13	85812208 Pl 536-16/16
34 PlSe(At) 524-0/14	388 FdPl(BlSe) 523-0/12	646 SeBl(Pl) 634-0/12	86861029 Pl(At) 525-0/14
60 PlAt 523-0/12	390 Fd(Pl) 524-0/12	648 PlLw(Se) 525-0/11	87140334 PlLw(Fd) 536-0/16
61 Pl 524-0/14	○44 401 BlSe 321-19/19 GL84	652 PlLwSeBl 523-0/11	89050309/L Pl(Lw) 534-0/16 GL05
65 PlAtBl(Se) 523-0/10	425 PlSeBl 524-0/13	658 PlSeBl(Lw) 524-0/12	94029545/L PlSe 535-0/15 GL05
72 PlSeBl 424-0/12	427 SeBl 934-0/9	667 Pl 823-0/9	97819229 SeBl 834-0/8
86 BlSe 725-0/9	443 PlSeBl(Fd) 313-4/4	677/L BlSe 211-11/11 GL62	
107 Pl(SeFd) 525-0/14	445 PlSeBl 525-0/10	○47 683 BlPlSe 210-15/15 GL82	
117 PlSe(Bl) 524-0/13	450 BlSe 724-0/9	○9 686 Bl(SePl) 322-15/15 GL62	
137 NPBR	460 PlSeBl(Fd) 535-0/17	695/L SeBl(Pl) 524-0/13	
153 PlLw(Se) 534-0/17	470 SeBl(Pa) 834-0/7	○9 699 PlBlSe 322-15/15 GL62	
159 Pl 521-0/14 NP	○38 484 NSR GL88	705	
175 PaSe(Bl) 803-0/11	502 PlSeBl 523-0/9	○9 706 SeBl 310-18/18 NSR GL62	
187 PaSe(Bl) 821-0/9 NP	507 SeBl(Pa) 403-0/12	715 Pl(Lw) 522-0/11 NP	
191 PaBl 823-0/9 AF	508 SeBl(Pa) 833-0/8	718 PlSeBl 525-0/13	
200 SeBl(Pa) 934-0/8	512 PlSeBl 536-0/16	721 Pl(Lw) 526-0/14	
206 Fd(Pl) 832-0/9 NP	513 PlSeBl 834-0/11	727 At(Se) 731-0/16 NP	
211 Pl 524-0/14	527 PlFdSeBl 524-0/11	730 BlPl(Se) 624-0/10	
221 SeBl 844-0/12	○47 532 BlPlSe 211-15/15 GL82	731 Pl(At) 535-0/15	
222 PlSeBl 534-0/15	554 SeBl 834-0/7	○18 734 BlSe 212-15/15 GL78	
228 Pl(Fd) 522-0/11 NP	564 PlSeBl 833-0/11 GL80	○23 736/L BlSx 621-0/12 GL75	
238 Fd(LwPl) 523-0/14	○1 574 Bl(Pl) 331-15/21 GL78	○43 743 BlSe 210-15/15 GL84	
274 SeBl 934-0/7	575 PlSeBl(Lw) 413-0/9	○45 747 Sx 210-15/15 GL83	
278 BlSe(Pa) 523-0/10	576 PlLwSeBl 523-0/11	○47 748 BlPlSe 211-15/15 GL82	
280 BlSe(Pa) 833-0/5	577 PlSeBl(Lw) 413-0/9	○51 751 BlSe 210-15/15 GL84	
○33 282 BlSe 311-16/16 GL84	○1 585 Bl(Pl) 331-15/21 GL78	○52 753 BlSe 212-15/15 GL84	
283 SeBl(Pa) 834-0/8	607 Pl(Lw) 521-0/13 NP	2981 Se(LwPl) 526-0/13	
284 SePaBl 834-0/7	614 PlLw(Se) 523-0/10	2992 Pl 521-0/9 NP	
○38 287 BlSe 310-15/15 GL84	615 LwFdPl(Se) 526-0/13	48905980 NCBR	
290 SeBl 524-0/10	616/L LwPl(Se) 526-0/13	57720397 Pl 534-0/16	
296 PlSeBl 523-0/11	○2 627/L SeBl 311-10/10 GL70	57859842 PlLw(BlSe) 535-0/15	
319 BlSe 835-0/9	630 NCBR	○84 59320160 NSR GL97	
320 Bl(SePa) 822-0/7 NP	631 PlBl 521-0/10 NP	80370095 PlBlSe 536-0/15	