Vegetation Map

083D008

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:

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

○12
123/L
Fd(Hw)
211-20
he,sl
GL78

Line 1 - History Record Opening 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 available 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	rm	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 COMMERCIAL 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

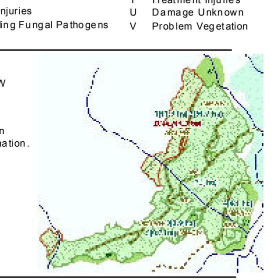
Line 6 - Disturbance History

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.

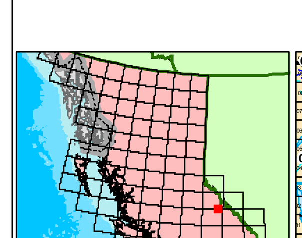
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

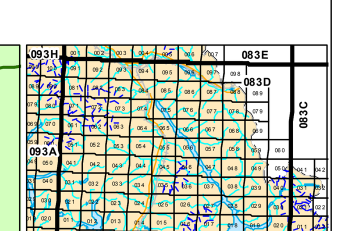
Example Opening History Details

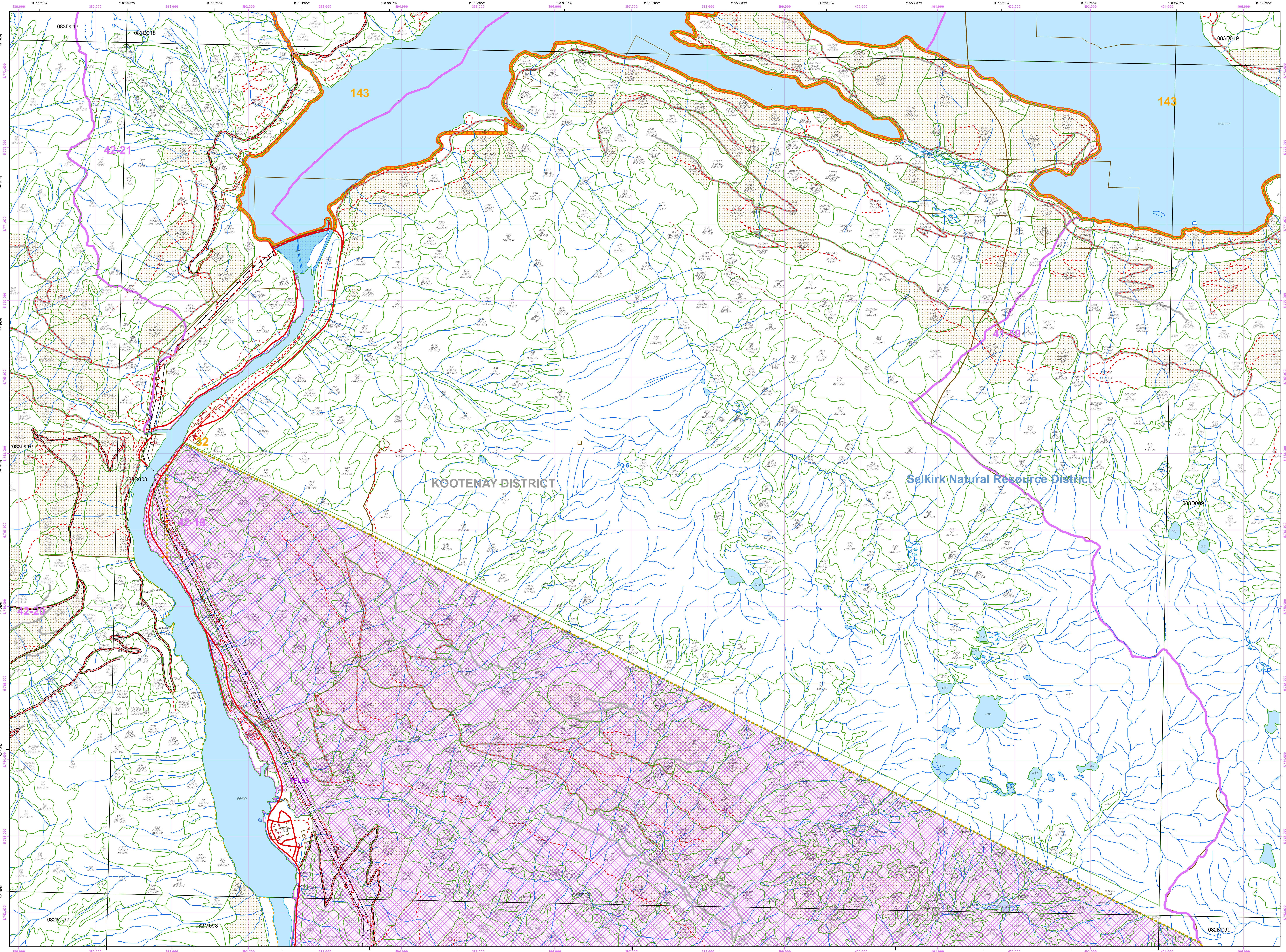
Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.



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

1 Fdi(SeHw) 745-O/16	3379 SFdH 535-O/16	6197952 BlSe 213-15/15 GL88	26103546 br,by	66575418 SeBlFdi(Hw) 446-O/28 sl	86473098 CwHw(Se) 945-O/10 sl
2/L HwCw(Fdi) 214-14/14	3384 SBl 843-O/15	○0 7142999 SeBlH 830-O/9 sl	26713261 BlSe 210-6/6 sl	66685624 SeCwHw 845-O/19 st	86703927 sl,rz,he
5 Se(CwHw) 520-O/13 st	3386 NSR GN98	7834059 SeBl 843-O/13 sl	26863050 SeBl 846-O/13 sl	67125174 FdiSeBl(Ep) 534-O/15 sl,br	87624217 BlSe 746-O/17 sl
3027 BlHm 822-O/5 AF	3387 HwS 837-O/10	10619120 HwCw 846-O/17	28053378 BlSe 620-O/6 ta,by,sl	68125619 SeCwHw 445-O/24 sl	89073047 AcSeCw(Hw) 842-O/21 st
3030 BlHm 822-O/5 AF	3388 Bl 711-O/5 AF	11094115 SeBl 831-O/13 sl,he	29033044 ta,by	68284708 EpFdiCw(Se) 534-O/18 st	89203351 CwSxHw(FdiPw) 112-23/23 GL94
3033 BlHm 811-O/4 AF	3390 HwS 837-O/10	11254147 Bl(Se) 835-O/12 sl	29043478 Bl(Se) 510-O/6 sl,he,br	68345282 HwSe(Bl) 836-O/10 sl	90009168 HwCwSx 215-18/18 GL89
3039 R	3402 Bl 711-O/5 AF	11459386 HwS(Cw) 954-O/22 GN92	29113095 sl,he,ri	68543989 CwHwFdi(EpSe) 536-O/20 sl	90052725 SeCw(HwBl) 845-O/16 sl
3049 Bl 711-O/2 AF	3404 BlS 833-O/7	12222893 SeBl 534-O/17 sl	29383440 BlSe 633-O/16 sl,br	68554226 FdiEpCw(Hw) 536-O/18 sl	90934851 BlSe 645-O/20 sl
3052 Bl 822-O/3 AF	3408 SHBl 844-O/12	14303427 BlSe 535-O/17 sl	30943217 br	69374045 EpHwFdi(Cw) 537-O/19	90974761 Bl(Se) 535-O/20 sl
3054 BlS 825-O/6	3410 NSR GL92	14478931 NSR GL92	31063372 BlSe 214-6/6 sl	70523873 HwSeFdi(AtEp) 536-O/15 sl	91632686 SeCw(HwBl) 845-O/16 sl
○28 3056 Cw 322-18/18 GL68	3425 HwCw 845-O/16	○0 15483171 BlSe 310-9/9 sl,he,br G	31103075 Bl 610-O/3 sl,by,br,he	71613855 FdiEp(SeHw) 223-21/21 sl,he	91872919 SeCw(AcHwBl) 845-O/17 sl
○20 3057 CwFd(HwSeEp) 222-19/19 GL65	3433 HwS 846-O/13	15963100 BlSe 732-O/15 sl	31223442 BlSe 644-O/19 sl	72533642 FdiEp(CwAt) 326-20/20 sl	93413635 HwSeCw(Bl) 944-O/9 sl
3063 SBl 836-O/7	3440 CwHw(S) 745-O/17	○0 16812916 BlSe 322-O/16 sl,he G	32663421 Bl 410-O/7 ta,by	74413309 CwHw 946-O/11 sl	93462695 SeCw(HwBl) 845-O/16 sl
3078 Bl 712-O/5 AF	○1 3463 CwSe(HwEpAcFd) 322-18/18 GL75	16923955 Bl(Se) 835-O/12 sl	33903383 BlSe 733-O/13 sl,he	74923557 CwHwSe(Bl) 321-18/18 sl,rz	93584767 BlSe 733-O/17 sl,he
3081 R	○56 3471 SeCw(HwAc) 211-18/18 GL85	○14 16947625 Se 210-15/15 GL81	34003174 BlSe 211-6/6 sl,he	76142695 HwCw 210-8/8 sl,he,rz	94434692 BlSe 744-O/17 sl,he
3088 BlS(Hm) 834-O/7	○1 3473 CwHwAc 322-20/20 GL75	○96 17228961 GL06	34253233 BlSe 636-O/17 sl	76492663/L HwCw 322-O/19 st	94622703 CwSe(Hw) 946-O/10 sl
3100 HwCw 846-O/13	3487 A GN98	○0 17383243 BlSe 310-3/3 ta,sl,by G	35143328 BlSe 211-6/6 sl,he	○507 77163414 FdiCwSx(Pw) 221-24/24 GL85	○1405 95584077 GL08
3105 CwHw 956-O/13	○38 3494 CwHwSe 221-18/18 GL80	17457313 NPBR	39913176 pn	77184212 CwHwSe 840-O/12 sl	95604689 Bl(Se) 535-O/20 sl
3111 Ep(FdCw) 538-O/17	3495 Bl 711-O/5 AF	17678889 CwHwS 855-O/17	61384569 FdiCwHw 114-24/24 GL99	77623744 CwSeHw 841-O/13 st	97362760 CwSeHw 840-O/11 st,ri
3126 CwS(BlHw) 524-O/11	3496 A	17893904 ta,by	61624672 HwCw 858-20/20	77714305 CwSe 845-O/10 st	98144195 BlSe(Cw) 846-O/18 sl
3129 CwS 844-15/10	462839 HwCwSe 946-O/11 sl	18833244 BlSe 621-O/8 sl,he	62205649 FdiEpHw(Cw) 536-O/16 sl	○507 78013536 FdiSxCw 221-24/24 GL85	98758989 SxCw 214-24/24 GL89
3135 HwFd(Cw) 321-O/19	632758 SeHwCw(Bl) 842-O/18 sl	19762980 SeBl 534-O/17 sl	62325091 Cw(HwFdi) 846-O/12 sl	○507 78403474 FdiSx(CwEp) 221-26/26 GL85	99154530 BlSe 834-O/15 sl,he
3137 SBl 324-O/18	1263316 SeBl(Hw) 846-O/15 sl	20829355 CwHw(FdS) 846-O/10	62574670 NSR GL92	○509 78434369 SeBl 213-22/22 GL85	○70 99998704 HwCw(Se) 211-18/18 NSR GL76
3163 Bl 312-15/15	1313353 SeHw(Bl) 310-15/15 sl,rz	22923733 ta,by	62685281 FdiSeAt(EpHw) 221-20/20 sl,he	78633548 CwHw(Se) 540-O/21 st	
3165 Bl 312-15/15	1994093 SeBl 845-O/15 sl	23689226 HwCwFd 847-O/13	62804030 CwHw(Se) 843-15/14	○507 78953445 FdiCwSx(Pw) 221-24/24 GL85	
3180 SBl 834-O/8	2249291 HwCw(S) 844-O/16 GN92	23903128 BlSe(H) 735-O/15 sl	63215588 EpAc(CwAt) 536-O/17 st	79102550 CwHw(SeFdi) 946-O/11 sl	
3183 Bl 312-15/15	2323307 SeBlHw(Cw) 845-O/15 sl	○0 23933010 SeBlH(Cw) 333-O/22 sl G	63615049 FdiEp(SeHw) 224-21/21 sl	79923718 CwHwSe 840-O/13 st	
3250 Bl 711-O/4 AF	2514447 Bl(Se) 835-O/12 sl	24003381 BlSe 522-O/12 sl,he	63735407 HwCw(SeFdi) 636-O/17 sl	81763754 SeCwHw 840-O/15 sl	
3258 CwS(Hw) 955-O/13	2648381 CwHw(S) 956-O/11	24243000 BlSe 734-O/15 st	64064172 HwCw(Sx) 113-18/18 GL00	82535073 BlSe 645-O/19 sl	
3359 HwCw(S) 945-O/12	3174411 BlSe(Cw) 846-O/18 sl	24273062 BlSe(HCw) 424-O/17 sl	64734017 CwHw(Se) 843-15/14	82963563 HwFdiSe(Cw) 834-O/9 sl	
3361 CwS(AcHw) 847-O/13	4002779 sl,he,es	24793005 BlSe 734-O/15 st	65374697 FdiEp 537-O/16 sl	83494661 BlSe 542-O/22 sl	
3371 NSR GN92	○13 4317974 SeBl 211-18/18 NSR GL78	24898684 HwCw 846-O/14	66065531 SeCwHw 740-O/16 st	83615111 SeBl 845-O/15 sl	
3372 SCw(H) 944-O/10	4408097 HwCw(Se) 845-O/15	25683175 SeBl 835-O/12 sl	66554491 Ep(FdiCwHw) 537-O/17	85883440 CwSxHw(FdiPw) 112-23/23 GL94	
3373 SCw(Bl) 935-O/6	5504351 Bl(Se) 835-O/12 sl	25893027 BlSe(HCw) 322-O/12 sl,br	66564661 FdiSeAt(EpHw) 221-20/20 sl,he	86263239 CwHw 946-O/9 sl	