DARK STAR FORESTRY LTD
• 601-N Front St, Nelson BC V1L4B6
• 250 352 7212
darkstarltd@netidea.com

TA0568-2

Planting (Pay-Regen Plots)

Stocking Status: SR | **Stratum: 1a** | **SU: 1**

Project:	IM21TFG006	**Opening ID:**	1748370	**Lat./UTM N:**	49 00 27
Block:	2	**Mapsheet:**	82E010-284	**Long./UTM E:**	118 03 11
Timbermark:	A0568	**Licensee:**	TKO	**Field Start:**	Jun 16, 2021
CP #:	APR - TA0568	**Contractor:**	Dark Star Forestry Ltd	**Field Finish:**	Jun 18, 2021
Licence:	TA0568	**Surveyor(s):**	CB	**Location:**	Big Sheep
UBI #:	BF6GG	**District:**	Selkirk	**Obj. / Activity:**	Planting (Pay-Regen Plots)

Stratum Information

Pref species:	Cw,Fdi,Hw,Lw,Pw,Se	**Gross area (ha):**	9.1	**# of plots:**	9
Acc species:	Bg,Pli	**Net area (ha):**	9.1	**Total Conifers (SPH):**	12,711
Unacc species:	-	**Ecology:**	ICH/mw/5 101(100)	**Count. Conifers (SPH):**	-
Target (TSS):	1,200	**Elev. Range (m):**	1290/1355/1420	**Regen Delay:**	Dec 1, 2023
Min (MSSpa):	700	**Avg Slope (%):**	5/35/65	**Early FG Date:**	-
Min (MSSp):	600	**Aspect:**	NE	**Late FG Date:**	Dec 1, 2039
Max (SPH):	10,000	**Ideal Spacing:**	3.1	**History:**	L20 P21
MITD (m):	2.0	**Crown Closure %:**	15		
		Basal Area (m2/ha):	0.00		
		Basal Area Factor:	4		

Stocking (SPH)

WS	WS (P)*	WS (M+)	WS (LCL)	FG	FG (P)*	FG (M+)	FG (LCL)
1178	1178	1333	1136	0	0	0	0

Silviculture Information

WS Label: SR-Lw52Fdi23Cw12Se10Pw3-1-0.2-24/E-1178(21)

Species	WS (SPH)	WS %	FG (SPH)	FG %	Ldr Ht (cm)	WS Ht (m)	WS Age	FG Ht (m)	FG Age
Cw	156	12				0.25	1		
Fdi	311	23							
Lw	689	52				0.20	1		
Pw	44	3							
Se	133	10							
Summary:	***1,333***	***100***	***-***	***-***	***-***	***0.23***	***1***	***-***	***-***

Inventory Information

Inv Label: Fdi80Lw20-1/1-0.1/0.1-22/E-15-12711(21)

Species	TS (SPH)	TS %	Ocular SPH	Ocular %	Inv Ht (m)	Inv Age
Fdi			10,169	80	0.10	1
Lw			2,542	20	0.10	1
Summary:	***-***	***-***	***12,711***	***100***	***0.10***	***1***

Veg / Brush	% Cover	Avg Ht. (cm)
Cham ang	5	50
Rubu par	2	40
Sali spp	5	60
Spir bet	1	30

Pest / Disease	Host Species	Dead Trees (SPH)	Live Trees (SPH)	% Total Affected	% Conifers Affected	% Host Trees Affected
N/A						

Species	FG Height (m)	Acceptability	
		Preferred	Acceptable
Bg	1.00		X
Cw	1.00	X	
Fdi	1.40	X	
Hw	1.00	X	
Lw	2.00	X	
Pli	2.00		X
Pw	2.00	X	
Se	1.00	X	

Final Comments

Stratum Description: SR single layer stratum situated on an east-facing aspect with moderate terrain slope. Soils are mesic with high coarse fragment content. It was harvested in 2020 and planted in 2021. Patchy fireweed and Salix have established. A future conifer release treatment is expected but seedlings should establish without treatment. Regen declaration can be made for 2021. It is recommended to burn slash piles in the fall of 2021 and plant them in 2022. A stocking survey is recommended in 2022.

Stocking Description: Continuously stocked with freshly planted seedlings and mixed species germinants where soil is undisturbed.

Leave Trees: The odd Fdi - 90yrs - 27.5m - 1%CC

Planted Stock: GBST rules were applied for seed selection for Cw and Lw. All other seedlots had CBST rules applied for seed selection. All seedlings were planted within compliance.

Competing Vegetation: Moderate to High hazard from patchy fireweed and well-established Salix. Conifers should compete well for now, but a conifer release treatment is anticipated in the future.

Forest Health: ND may be a limiting factor of the stand.

Access: From Christina Lake, Follow Santa Rosa Rd (becoming Santa Rosa FSR at 2km) for 23km. Turn right onto American FSR and follow for 4km to the opening.

Final Recommendations

1a) Declare RG Met 2021
1b) SP BU PILE 2021
1c) PL PL CTAIN 2022 Fdi50Lw50 Burns
1d) SU RG PLOT 2022
ALTERNATIVE
2a) Declare RG Met 2021
2b) SP BU PILE 2021
2c) PL PL CTAIN 2022 Fdi50Lw50 Burns
2d) SU RG PLOT 2023

Qualified Forest Professional's Statement	
I certify that I have reviewed this document and while I did not personally supervise the work described I have determined that this work has been done to the standards expected of a member of the Association of British Columbia Forest Professionals.	
Declaration	
Regen delay met is declared for this SU.	
Forest Professional	**Date**
Justin Frank RFT # 2191	Jun 18, 2021

LARGE FORMAT

REGISTERED FOREST TECHNOLOGIST PROVINCE OF JUSTIN FRANK BRITISH COLUMBIA NO. 2191

Affix Professional Seal Here

** Note: WSp and FGp are calculated by maximizing the number of preferred stems in each plot up to the prescribed M-value. The FS 659 method uses an uncapped (M+) percentage of preferred stems and applies this to the overall capped (M) densities to yield WSp and FGp values.*

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TA0568-2

Planting (Pay-Regen Plots)

Stocking Status: SR | **Stratum: 2a** | **SU: 2**

Project:	IM21TFG006	**Opening ID:**	1748370	**Lat./UTM N:**	49 00 27
Block:	2	**Mapsheet:**	82E010-284	**Long./UTM E:**	118 03 11
Timbermark:	A0568	**Licensee:**	TKO	**Field Start:**	Jun 16, 2021
CP #:	APR - TA0568	**Contractor:**	Dark Star Forestry Ltd	**Field Finish:**	Jun 18, 2021
Licence:	TA0568	**Surveyor(s):**	CB	**Location:**	Big Sheep
UBI #:	BF6GG	**District:**	Selkirk	**Obj. / Activity:**	Planting (Pay-Regen Plots)

Stratum Information

Pref species:	Fdi,Lw,Py	**Gross area (ha):**	5.4	**# of plots:**	5
Acc species:	Pli,Pw	**Net area (ha):**	5.4	**Plot multiplier:**	200
Unacc species:	Cw	**Ecology:**	ICH/dw/1 103(100)	**Plantable (SPH):**	40
Target (TSS):	1,000	**Elev. Range (m):**	1360/1425/1490	**Preparable (SPH):**	-
Min (MSSpa):	500	**Avg Slope (%):**	5/45/65	**Total Conifers (SPH):**	2,800
Min (MSSp):	400	**Aspect:**	SE	**Regen Delay:**	Dec 1, 2026
Max (SPH):	10,000	**Ideal Spacing:**	3.1	**Early FG Date:**	-
MITD (m):	2.0	**Crown Closure %:**	3	**Late FG Date:**	Dec 1, 2039
		Basal Area (m2/ha):	0.00	**History:**	L20 P21
		Basal Area Factor:	4		

Stocking (SPH)

WS	WS (P)*	WS (M+)	WS (LCL)	FG	FG (P)*	FG (M+)	FG (LCL)
880	840	1080	709	0	0	0	0

Silviculture Information

WS Label: SR-Fdi48Lw45Pw7-1-0.1-21/E-880(21)

Species	WS (SPH)	WS %	FG (SPH)	FG %	Ldr Ht (cm)	WS Ht (m)	WS Age	FG Ht (m)	FG Age
Fdi	520	48				0.10	1		
Lw	480	44							
Pw	80	7							
Summary:	***1,080***	***100***	***-***	***-***	***-***	***0.10***	***1***	***-***	***-***

Inventory Information

Inv Label: Fdi80Lw20-1/1-0.1/0.1-21/E-3-2800(21)

Species	TS (SPH)	TS %	Ocular SPH	Ocular %	Inv Ht (m)	Inv Age
Fdi			2,240	80	0.10	1
Lw			560	20	0.10	1
Summary:	***-***	***-***	***2,800***	***100***	***0.10***	***1***

Veg / Brush	% Cover	Avg Ht. (cm)
Acer gla	1	85
Cham ang	7	60
Gras spp	5	30
Holo dis	3	90

Pest / Disease	Host Species	Dead Trees (SPH)	Live Trees (SPH)	% Total Affected	% Conifers Affected	% Host Trees Affected
N/A						

Species	FG Height (m)	Acceptability	
		Preferred	Acceptable
Cw	0.00		
Fdi	1.00	X	
Lw	1.40	X	
Pli	1.40		X
Pw	1.40		X
Py	0.80	X	

Final Comments

Stratum Description: SR single layer stratum situated on an east-facing aspect with moderate-steep terrain slope. Soils are subxeric with high coarse fragment content. It was harvested in 2020 and planted in 2021. The deactivated trail running through the SU is largely unplantable due to rock, but planters found some patches of soil among it. Expect ND mortality along the trail. An unmapped reserve running N-S, roughly 0.5ha in size, is present in the SU. Patchy fireweed and Salix have established. One can anticipate a future conifer release treatment but seedlings should establish without treatment. Regen declaration can be made for 2021. A stocking survey is recommended for 2022.

Stocking Description: Continuously stocked with freshly planted seedlings and mixed species germinants where soil is undisturbed.

Leave Trees: Poor quality pre-harvest advance regeneration Bl.

Planted Stock: GBST rules were applied for seed selection for Cw and Lw. All other seedlots had CBST rules applied for seed selection. All seedlings were planted in compliance. Some Cw were planted here, an unacceptable species in the SU's stocking standards.

Competing Vegetation: Moderate to High hazard from patchy fireweed and well-established Salix. Conifers should compete well for now, but a conifer release treatment is anticipated in the future.

Forest Health: ND may be a limiting factor of the stand.

Access: From Christina Lake, Follow Santa Rosa Rd (becoming Santa Rosa FSR at 2km) for 23km. Turn right onto American FSR and follow for 4km to the opening.

Final Recommendations

1a) Declare RG Met 2021
1b) SU RG PLOT 2022
ALTERNATIVE
2a) Declare RG Met 2021
2b) SU RG PLOT 2023

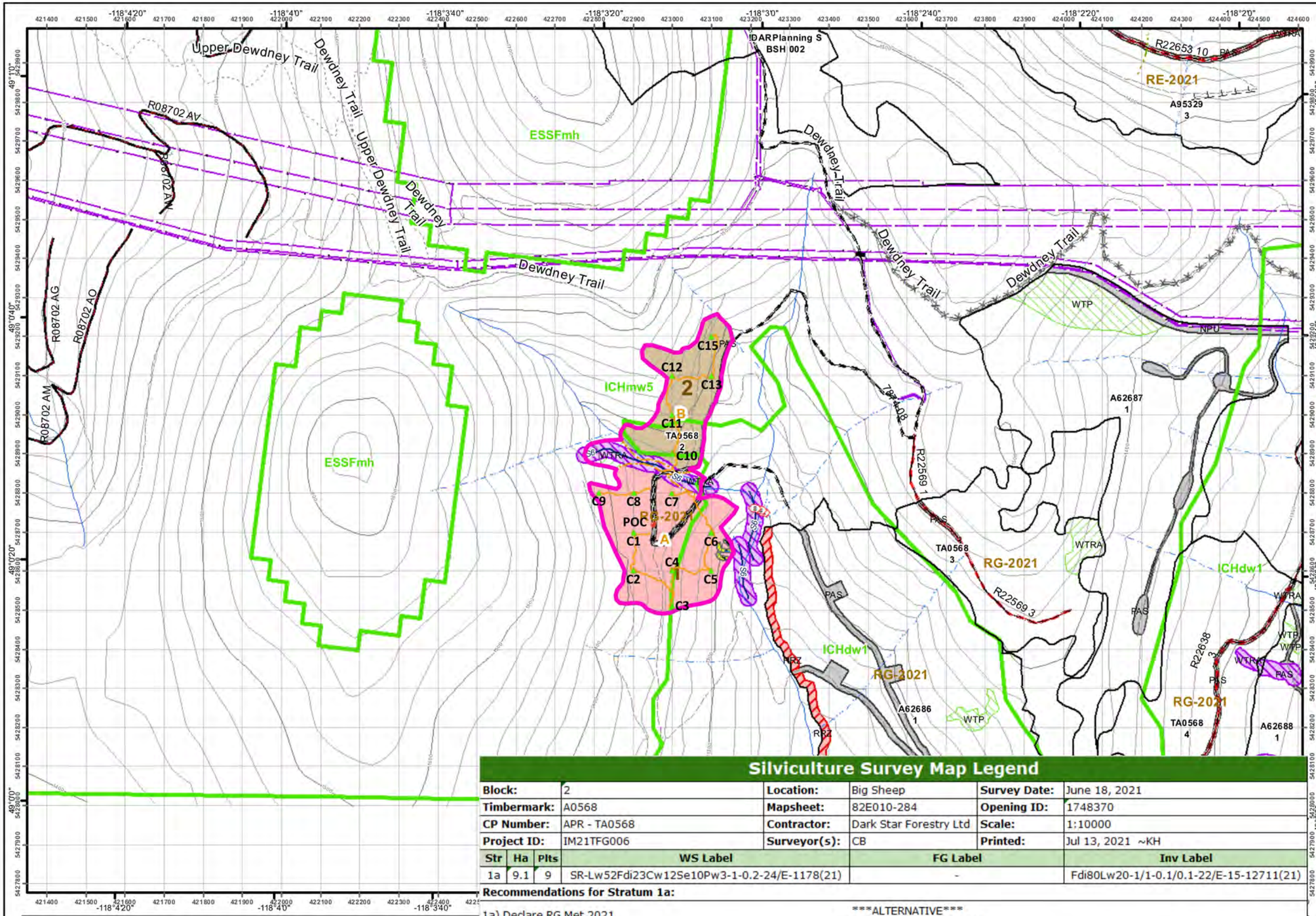
Qualified Forest Professional's Statement
I certify that I have reviewed this document and while I did not personally supervise the work described I have determined that this work has been done to the standards expected of a member of the Association of British Columbia Forest Professionals.
Declaration
Regen delay met is declared for this SU.

Forest Professional	Date
Justin Frank RFT # 2191	Jun 18, 2021

LARGE FORMAT

Affix Professional Seal Here

** Note: WSp and FGp are calculated by maximizing the number of preferred stems in each plot up to the prescribed M-value. The FS 659 method uses an uncapped (M+) percentage of preferred stems and applies this to the overall capped (M) densities to yield WSp and FGp values.*



Access: From Christina Lake, Follow Santa Rosa Rd (becoming Santa Rosa FSR at 2km) for 23km. Turn right onto American FSR and follow for 4km to the opening.

Silviculture Survey Map Legend

Block:	2	**Location:**	Big Sheep	**Survey Date:**	June 18, 2021
Timbermark:	A0568	**Mapsheet:**	82E010-284	**Opening ID:**	1748370
CP Number:	APR - TA0568	**Contractor:**	Dark Star Forestry Ltd	**Scale:**	1:10000
Project ID:	IM21TFG006	**Surveyor(s):**	CB	**Printed:**	Jul 13, 2021 ~KH

Str	Ha	Plts	WS Label	FG Label	Inv Label
1a	9.1	9	SR-Lw52Fdi23Cw12Se10Pw3-1-0.2-24/E-1178(21)	-	Fdi80Lw20-1/1-0.1/0.1-22/E-15-12711(21)

Recommendations for Stratum 1a:

1a) Declare RG Met 2021
1b) SP BU PILE 2021
1c) PL PL CTAIN 2022 Fdi50Lw50 Burns
1d) SU RG PLOT 2022

ALTERNATIVE
2a) Declare RG Met 2021
2b) SP BU PILE 2021
2c) PL PL CTAIN 2022 Fdi50Lw50 Burns
2d) SU RG PLOT 2023

Str	Ha	Plts	WS Label	FG Label	Inv Label
2a	5.4	5	SR-Fdi48Lw45Pw7-1-0.1-21/E-880(21)	-	Fdi80Lw20-1/1-0.1/0.1-21/E-3-2800(21)

Recommendations for Stratum 2a:

1a) Declare RG Met 2021
1b) SU RG PLOT 2022

ALTERNATIVE
2a) Declare RG Met 2021
2b) SU RG PLOT 2023

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TSL	Block ID
TA0568	2
Business Area: Kootenay	UBI: BF6GG
Operating Area: South Arrow TSA	Management Unit: Arrow
Gross Block Area: 16.400	NAR: 14.54
Min. Elev.: 1290 / Max. Elev.: 1490	Geographic Center — Latitude: 49 00 27 / Longitude: -118 03 11
Location: Big Sheep	Opening

Survey Strata: 1/A, 2/B

Non-Productive SU: Reserve, NP, WTP

NSR, SR, FG

BCTS All Blocks; Block of Interest; Ecology Unit

BCTS GPS Stations: GPS Station, Block Bdy Hub, Falling Corners, Reference Trees

BCTS Layout Points: Ecology Plot, Woody Debris, Landing Cable, Landing Ground, R/W Landing, Slump/Slide Area, Fish Barrier, Reach Breaks, Road Barrier, Gate, Cattle Guard, Pipeline Crossing, Prop Skid Bridge, Prop Skid Crossing, Major Culvert, Minor Culvet, Drain Culvert, Snow Fill, Bridge, Cave/ Den, Mineral Lick, Nest, Wildlife Tree, Wildlife Feature, Rock Outcrops

BCTS Line Features: Fence Line, Other Trail, Pipe Line, Rec Trail, Seismic Line, Wildlife Trail, Cliff, Draw, Embankment, Gully, Ridge, Seepage, Slide, Slope Break

BCTS Streams Class: Unknown, INT;NCD, S1;S2;S3;S4, S5;S6

BCTS Roads - Road State: Deactivated Road, Existing Road, Proposed Road, Unknown/NULL

TRIM Features: River or Stream - Definite, River or Stream - Indefinite, Contour - Index, Contour - Intermediate, Road Permit, Forest Service Road, Highway/Main/Paved Road, Gravel/Resource Road, Trail, Snow Shed (Railway), Tunnel, Bridge, Airstrip, Rail Line, Pipeline / Wellsite

Tailing Pond, Lake/Watercourse, Marsh, Swamp, Private Land, Protected Areas/ Parks, BEC

Riparian Features: MFZ / MSZ, RMZ, RRZ

Walkthrough Route

POC

0 100 200 300 400 500 Meters

1:10,000

Date March 15, 2021 **User** KSCHENIN
Template Name BlockSilvSurveys_HStrata_NFiscal_11x17L
Coordinate System NAD 1983 UTM Zone 11N

Seedlings Planted

Site Name	Seedling Label	Seedlot	Nursery	Planted	Planting ($)/Tree	Planting $
TA0568-2, santa rosa salv	LW, 2020DSE0020, ICH	63667	PRTSL	7,040	$ 0.600	$ 4,224.00
TA0568-2, santa rosa salv	CW, 2020DSE0022, ICH	53967	MTIDA	4,800	$ 0.600	$ 2,880.00
TA0568-2, santa rosa salv	FDI, 2020DSE0019, ICH	63792	Purple Springs	6,820	$ 0.600	$ 4,092.00
TA0568-2, santa rosa salv	PW, 2020DSE0017, ICH	63376	ARBUTUS	1,260	$ 0.600	$ 756.00
TA0568-2, santa rosa salv	SX, 2020DSE0024, ICH	63576	LANDING	220	$ 0.600	$ 132.00
			Total:	20,140		$ 12,084.00

Seedling Compliance

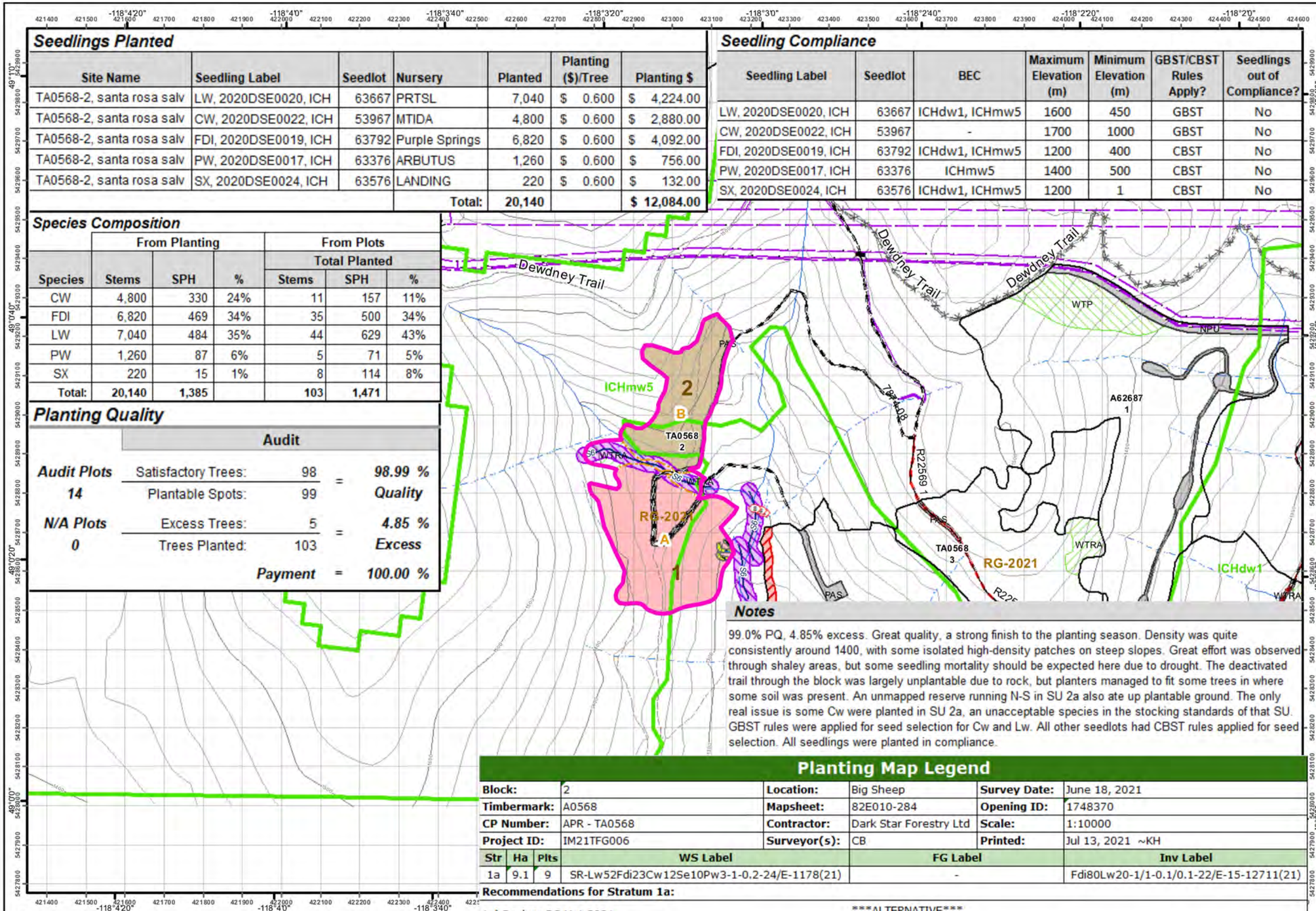
Seedling Label	Seedlot	BEC	Maximum Elevation (m)	Minimum Elevation (m)	GBST/CBST Rules Apply?	Seedlings out of Compliance?
LW, 2020DSE0020, ICH	63667	ICHdw1, ICHmw5	1600	450	GBST	No
CW, 2020DSE0022, ICH	53967	-	1700	1000	GBST	No
FDI, 2020DSE0019, ICH	63792	ICHdw1, ICHmw5	1200	400	CBST	No
PW, 2020DSE0017, ICH	63376	ICHmw5	1400	500	CBST	No
SX, 2020DSE0024, ICH	63576	ICHdw1, ICHmw5	1200	1	CBST	No

Species Composition

	From Planting			From Plots		
				Total Planted		
Species	Stems	SPH	%	Stems	SPH	%
CW	4,800	330	24%	11	157	11%
FDI	6,820	469	34%	35	500	34%
LW	7,040	484	35%	44	629	43%
PW	1,260	87	6%	5	71	5%
SX	220	15	1%	8	114	8%
Total:	20,140	1,385		103	1,471	

Planting Quality

	Audit			
Audit Plots 14	Satisfactory Trees:	98	=	98.99 % Quality
	Plantable Spots:	99		
N/A Plots 0	Excess Trees:	5	=	4.85 % Excess
	Trees Planted:	103		
	Payment		=	100.00 %



Notes

99.0% PQ, 4.85% excess. Great quality, a strong finish to the planting season. Density was quite consistently around 1400, with some isolated high-density patches on steep slopes. Great effort was observed through shaley areas, but some seedling mortality should be expected here due to drought. The deactivated trail through the block was largely unplantable due to rock, but planters managed to fit some trees in where some soil was present. An unmapped reserve running N-S in SU 2a also ate up plantable ground. The only real issue is some Cw were planted in SU 2a, an unacceptable species in the stocking standards of that SU. GBST rules were applied for seed selection for Cw and Lw. All other seedlots had CBST rules applied for seed selection. All seedlings were planted in compliance.

Planting Map Legend

Block:	2	**Location:**	Big Sheep	**Survey Date:**	June 18, 2021
Timbermark:	A0568	**Mapsheet:**	82E010-284	**Opening ID:**	1748370
CP Number:	APR - TA0568	**Contractor:**	Dark Star Forestry Ltd	**Scale:**	1:10000
Project ID:	IM21TFG006	**Surveyor(s):**	CB	**Printed:**	Jul 13, 2021 ~KH

Str	Ha	Pts	WS Label	FG Label	Inv Label
1a	9.1	9	SR-Lw52Fdi23Cw12Se10Pw3-1-0.2-24/E-1178(21)	-	Fdi80Lw20-1/1-0.1/0.1-22/E-15-12711(21)
Recommendations for Stratum 1a:					
1a) Declare RG Met 2021 1b) SP BU PILE 2021 1c) PL PL CTAIN 2022 Fdi50Lw50 Burns 1d) SU RG PLOT 2022				***ALTERNATIVE*** 2a) Declare RG Met 2021 2b) SP BU PILE 2021 2c) PL PL CTAIN 2022 Fdi50Lw50 Burns 2d) SU RG PLOT 2023	
2a	5.4	5	SR-Fdi48Lw45Pw7-1-0.1-21/E-880(21)	-	Fdi80Lw20-1/1-0.1/0.1-21/E-3-2800(21)
Recommendations for Stratum 2a:					
1a) Declare RG Met 2021 1b) SU RG PLOT 2022				***ALTERNATIVE*** 2a) Declare RG Met 2021 2b) SU RG PLOT 2023	

Access: From Christina Lake, Follow Santa Rosa Rd (becoming Santa Rosa FSR at 2km) for 23km. Turn right onto American FSR and follow for 4km to the opening.

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TSL	Block ID
TA0568	2
Business Area: Kootenay	UBI: BF6GG
Operating Area: South Arrow TSA	Management Unit: Arrow
Gross Block Area: 16.400	NAR: 14.54
Min. Elev.: 1290 / Max. Elev.: 1490	Geographic Center — Latitude: 49 00 27 / Longitude: -118 03 11
Location: Big Sheep	Opening

Survey Strata: 1/A, 2/B

Non-Productive SU: Reserve, NP, WTP

NSR, SR, FG

BCTS All Blocks; Block of Interest; Ecology Unit

BCTS GPS Stations: GPS Station, Block Bdy Hub, Falling Corners, Reference Trees

BCTS Layout Points: Ecology Plot, Woody Debris, Landing Cable, Landing Ground, R/W Landing, Slump/Slide Area, Fish Barrier, Reach Breaks, Road Barrier, Gate, Cattle Guard, Pipeline Crossing, Prop Skid Bridge, Prop Skid Crossing, Major Culvert, MInor Culvet, Drain Culvert, Snow Fill, Bridge, Cave/ Den, Mineral Lick, Nest, Wildlife Tree, Wildlife Feature, Rock Outcrops

BCTS Line Features: Fence Line, Other Trail, Pipe Line, Rec Trail, Seismic Line, Wildlife Trail, Cliff, Draw, Embankment, Gully, Ridge, Seepage, Slide, Slope Break

BCTS Streams Class: Unknown, INT;NCD, S1;S2;S3;S4, S5;S6

BCTS Roads - Road State: Deactivated Road, Existing Road, Proposed Road, Unknown/NULL

TRIM Features: River or Stream - Definite, River or Stream - Indefinite, Contour - Index, Contour - Intermediate, Road Permit, Forest Service Road, Highway/Main/Paved Road, Gravel/Resource Road, Trail, Snow Shed (Railway), Tunnel, Bridge, Airstrip, Rail Line, Pipeline / Wellsite

Riparian Features: MFZ / MSZ, RMZ, RRZ

Walkthrough Route

POC

Tailing Pond, Lake/Watercourse, Marsh, Swamp, Private Land, Protected Areas/ Parks, BEC

0 100 200 300 400 500 Meters

1:10,000

Date March 15, 2021 **User** KSCHENIN

Template Name BlockSilvSurveys_HStrata_NFiscal_11x17L

Coordinate System NAD 1983 UTM Zone 11N

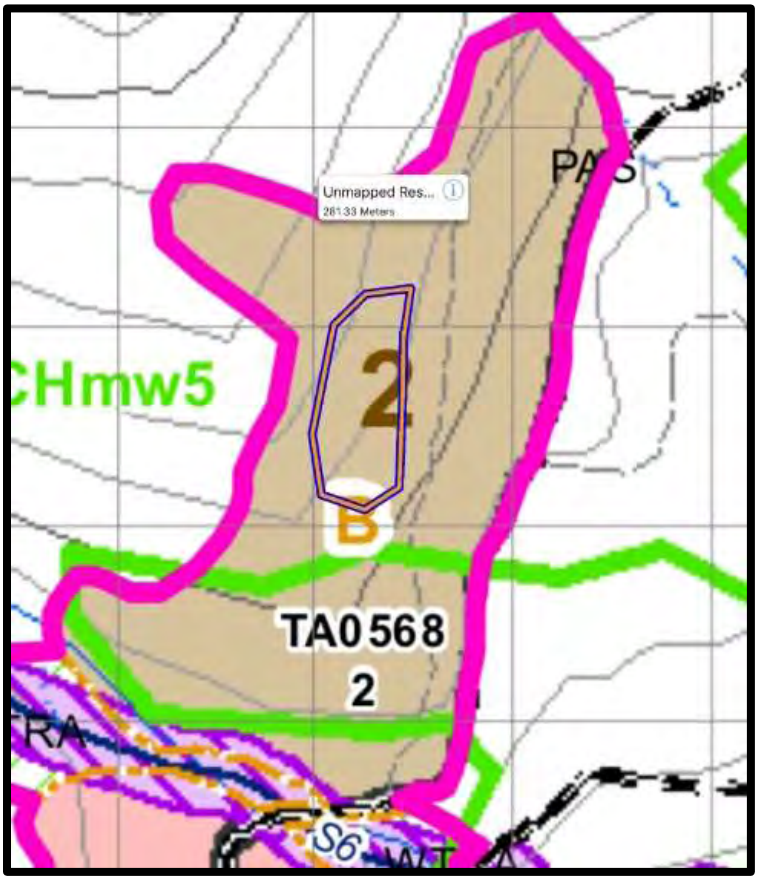
Stratum 1a: Overview

Stratum 1a: Cw seedling

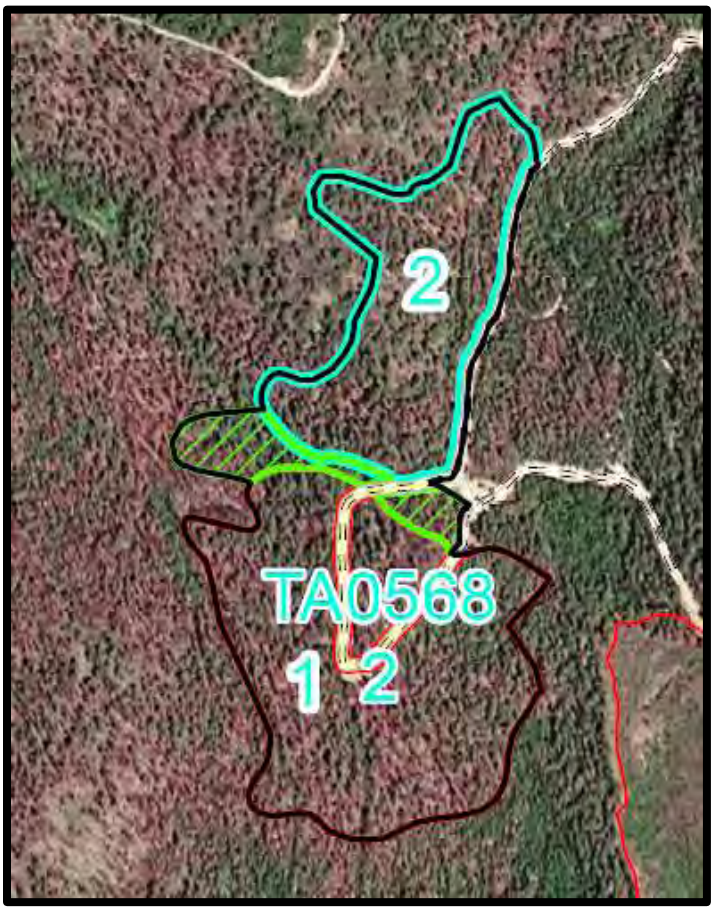
Stratum 2a: At C13 facing West, unmapped Fdi reserve with unplantable deactivated road.

Stratum 2a: Planted Lw

TA0568-2



Approximate reserve size and location



Orthographic Map

Payment Certificate

Project: 2021 arrow south
TA0568-2

Contractor: West Arm Silviculture Inc
Planted: Jun 14, 2021 ***to*** Jun 17, 2021

Site Area: 14.54

Seedlings Planted

Site Name	Seedling Label	Nursery	Planted	Cost ($)/Tree	Planting ($)/Tree	Seedling $	Planting $
TA0568-2, santa rosa salv	LW, 2020DSE0020, ICH, 4	PRTSL	7,040	$ -	$ 0.600	$ -	$ 4,224.00
TA0568-2, santa rosa salv	CW, 2020DSE0022, ICH, 4	MTIDA	4,800	$ -	$ 0.600	$ -	$ 2,880.00
TA0568-2, santa rosa salv	FDI, 2020DSE0019, ICH, 5	Purple Springs	6,820	$ -	$ 0.600	$ -	$ 4,092.00
TA0568-2, santa rosa salv	PW, 2020DSE0017, ICH, 5	ARBUTUS	1,260	$ -	$ 0.600	$ -	$ 756.00
TA0568-2, santa rosa salv	SX, 2020DSE0024, ICH, 5	LANDING	220	$ -	$ 0.600	$ -	$ 132.00
		Total	**20,140**			**$ -**	**$ 12,084.00**

Planting Quality

	Audit				N/A			
Audit Plots	Satisfactory Trees:	98	=	***98.99 %***	Satisfactory Trees:	0	=	***0.00 %***
14	Plantable Spots:	99		***Quality***	Plantable Spots:	0		***Quality***
N/A Plots	Excess Trees:	5	=	***4.85 %***	Excess Trees:	0	=	***0.00 %***
0	Trees Planted:	103		***Excess***	Trees Planted:	0		***Excess***
	Payment =			***100.00 %***	***Payment =***			***0.00 %***

Payment Summary

Plot Type	Audit		N/A	
Gross Pay (before penalties)		**$ 12,084.00**		**$ -**
Quality Deduction	0.00%	$ -	0.00%	$ -
Excess Charge 1 (>7%)	0.00%	$ -	0.00%	$ -
Excess Charge 2 (>12%)	0.00%	$ -	0.00%	$ -
Unaccounted Tree Charge	-	$ -	-	$ -
Plot Penalties		$ -		$ -
(Total of deductions)		($0.00)		
Net Pay		***$ 12,084.00***		***$ -***
GST (5%)		**$ 604.20**		**$ -**
Payment due to Contractor:		**$ 12,688.20**		**$ -**

Summary of Faults

Code	Species Affected	Total	#/Ha	% of faults	% of plnt
	Total	**0**	**0**		

Species Composition

	From Planting			From Plots		
				Total Planted		
Species	Stems	SPH	%	Stems	SPH	%
CW	4,800	330	24%	11	157	11%
FDI	6,820	469	34%	35	500	34%
LW	7,040	484	35%	44	629	43%
PW	1,260	87	6%	5	71	5%
SX	220	15	1%	8	114	8%
Total	**20,140**	**1,385**		**103**	**1,471**	

Pre-Plant Site Notes

Site	Date	User	Notes
TA0568-2, santa rosa salv	Mar 23, 2021 10:28 AM	karen.schening@gov.bc.ca	Pw fits using CBST as this is a ICHmw5 site
TA0568-2, santa rosa salv	Apr 12, 2021 11:49 AM	colbybedford@gmail.com	Logged 2019-2020. Post-harvest silv assessment: No site prep needed, plant as is 1400sph. If you can, try to keep Pw to the south half of the PU, south of the RMZ. It's not an issue if Pw end up in the north half, but try mix it well with the other species. Plant the Cw and Sx in the south half of the PU.

Post-Plant Site Notes

Site	Date	User	Notes
TA0568-2, santa rosa salv	Jun 29, 2021 08:53 AM	colbybedford@gmail.com	99.0% PQ, 4.85% excess. Great quality, a strong finish to the planting season. Density was quite consistently around 1400, with some isolated high-density patches on steep slopes. Great effort was observed through shaley areas, but some seedling mortality should be expected here due to drought. The deactivated trail through the block was largely unplantable due to rock, but planters managed to fit some trees in where some soil was present. An unmapped reserve running N-S in SU 2a also ate up plantable ground. The only real issue is some Cw were planted in SU 2a, an unacceptable species in the stocking standards of that SU. GBST rules were applied for seed selection for Cw and Lw. All other seedlots had CBST rules applied for seed selection. All seedlings were planted in compliance.

Labels

Site	Silviculture Label	Inventory Label	Planted Density (from Plots)
TA0568-2, santa rosa salv	---17/-0(21)	LW40FDI30CW10PW10SX10---17/--1471(21)	1471

Exported: Jun 29, 2021

Planting Map

BCTS BC Timber Sales

TSL	Block ID
TA0568	2
Business Area: Kootenay	UBI: BF6GG
Operating Area: South Arrow TSA	Management Unit: Arrow
Gross Block Area: 16.400	NAR: 14.54
Min. Elev.: 1290 / Max. Elev.: 1490	Geographic Center — Latitude: 49 00 27 / Longitude: -118 03 11
Location: Big Sheep	Opening

Planting Unit — **Fill Planting**

1

Planting Unit	Area (ha)	Status	Density (/ha)	Spacing (m) Target	Min	Max	Trees / Unit	Species Composition Detail *
1	14.541206	Planned	96.28				1400	Cw-100-0+0-none-none-none-1400

*(Species - Species % - Stock Age - Stock Type - Request Key - Seedlot - # Trees/Species)

PL22TFG003			017	022	021	019	020	026	027	028	023	038	024	043	025	027	TOTAL	FERT
BLOCK #	DATES		PW	CW	CW	FDI	LW	PLI	PLI	PLI	PY	SX	SX	SX	SX	SX		
0568-2	Jun 14, 17	BF6GF	1260	4800	0	6820	7040	0	0	0	0	0	220	0	0	0	20140	

NOTES: ALL SEED-LOTS PLANTED WITHIN THERE ELEVATION LIMITS.

Access Instructions

Comments

BCTS All Blocks
Block of Interest
Ecology Unit
Biogeoclimatic Zone

BCTS GPS Stations
GPS Station
Block Bdy Hub
Falling Corners
Reference Trees

BCTS Layout Points
Ecology Plot
Block Centre
Woody Debris
Landing Cable
Landing Ground
R/W Landing
Slump/Slide Area
Rock Outcrops
Cross Ditch
Arch Pipe
Arch Pipe, Proposed
Culvert
Culvert, Proposed
Bridge
Bridge, Proposed
Bridge, Condemned
Removed Structures
Gate
Road Barrier
Cattle Guard
Pipeline Crossing
Cave/ Den
Mineral Lick
Nest
Wildlife Tree
Wildlife Feature

BCTS Line Features
Fence Line
Other Trail
Pipe Line
Rec Trail
Seismic Line
Cliff
Draw
Embankment
Gully
Ridge
Slope Break
Cultural/Heritage Feature

BCTS Streams Class
Unknown
INT;NCD
S1;S2;S3;S4
S5;S6

BCTS Roads - Road State
Deactivated Road
Existing Road
Proposed Road
Unknown/NULL
Rehab Road

TRIM Features
River or Stream - Definite
River or Stream - Indefinite
Contour - Index
Contour - Intermediate
Road Permit
Forest Service Road
Highway/Main/Paved Road
Gravel/Resource Road
Trail
Snow Shed (Railway)
Tunnel
Bridge
Airstrip
Rail Line
Pipeline / Wellsite

CLA
WTP
WTRA
NP Permanent Access
Reserve
NP Immature
Area of Concern
Slope Area (>35%)
SAR Cliff
SAR Forested
SAR Rare Ecosystems
Special Mgmt Area
Tailing Pond
Lake/Watercourse
Marsh
Swamp
Private Land
Protected Areas/ Parks

Riparian Features
MFZ / MSZ
RMZ
RRZ

0 50 100 150 200 250 Meters

1:5,000

Date August 19, 2020 **User** KSCHENIN

Template Name BlockPlantingMap_NextFiscal_11x17L

Coordinate System NAD 1983 UTM Zone 11N