



Aerial Forest Fertilization
Prescription

Administration/Area Description			
Resource District	TSA/TFL/Licensee	Location	Date Completed
DCS	n/a	North of Connector	2019/07/18
Mapsheets	RESULTS Opening ID	RESULTS Opening #	Project Number/Plan name
92I009, 010; 92H089, 090, 099, 100	1722298	Shell Openings	n/a
Gross Shell Area (ha)		No Treatment Area (ha)	Net Treatment Area (ha)
2203.3		551.5	1651.8
Stand Tending History			
These stands were logged and reforested in DCS, north of Highway 5 connector			

*The net treatment area accounts for areas removed for NP (natural), permanent access structures, riparian reserve zones, and areas identified as not suitable for treatment. Area estimates are based on digitized (non-traversed) treatment boundaries based on VRI, forest cover and RESULTS information, aerial photo review and helicopter and/or field recce assessments.

Stand Description								
Unit	Old opening #	Old Opening ID	Net Tmt Area (ha.)	Min Elev. (m)	Max Elev. (m)	Aspect	Slope%	Comment
41-1	92I009-13	-72924000	13.87	1260	1330	SE	0-5%	See detailed comment sheet
48	92I010-51	59869	30.12	1400	1500	E	5%	See detailed comment sheet
49	92I010-A	n/a	22.00	1420	1440	S	8%	See detailed comment sheet
50	92I010-57	59880	18.90	1440	1500	N	0-5%	See detailed comment sheet
51	92I010-B	n/a	20.48	1430	1460	NE	5-10%	See detailed comment sheet
52	92I010-44	24030	2.66	1440	1460	N	25%	See detailed comment sheet
53	92I010-45	24031	7.36	1460	1490	N	7%	See detailed comment sheet
54	92I010-46	24032	3.41	1490	1500	V	6%	See detailed comment sheet
55	92I010-29	24019	6.02	1450	1520	NE	18%	See detailed comment sheet
56	92I010-30	24020	32.21	1520	1580	W	28%	See detailed comment sheet
58	92I010-40	24026	3.49	1370	1400	NW	20%	See detailed comment sheet
59	92I010-23	-732990000	24.80	1380	1450	W	15%	See detailed comment sheet
60	92I010-24	24016	34.97	1400	1510	W	15%	See detailed comment sheet
61	92I010-25	-734470000	23.05	1380	1420	V	25%	See detailed comment sheet
62	92I010-18	-731640000	5.86	1350	1370	SE	5%	See detailed comment sheet
63	92I010-16	24014	17.51	1450	1480	V	15%	See detailed comment sheet
65	92I010-14	-730180000	21.03	1410	1440	V	15%	See detailed comment sheet
72	92H099-73	63897	25.95	1260	1370	N	18%	See detailed comment sheet
73	92H099-66	46845	27.16	1260	1410	N	10%	See detailed comment sheet
74	92H099-9	-729390000	13.43	1270	1320	N	10%	See detailed comment sheet
75	92H099-89	67334	17.49	1420	1460	V	5%	See detailed comment sheet
76	92H099-60	46752	10.98	1430	1450	E	12%	See detailed comment sheet
77	92H099-62	46800	18.55	1460	1470	V	7%	See detailed comment sheet
79	92H099-39	22661	58.65	1400	1470	N	13%	See detailed comment sheet
80	92H099-40	22662	126.60	1410	1520	V	13%	See detailed comment sheet
81	92H099-50	22667	19.08	1470	1550	N	13%	See detailed comment sheet
83	92H099-51	22668	19.33	1540	1610	N	12%	See detailed comment sheet
84	92H099-42	-735860000	8.08	1510	1550	N	22%	See detailed comment sheet
85	92H099-52	22669	13.06	1570	1640	N	12%	See detailed comment sheet
86	92H099-67	58515	26.56	1540	1610	E	10%	See detailed comment sheet
87	92H099-35	22663	13.24	1480	1510	V	11%	See detailed comment sheet
88	92H099-36	22664	7.15	1480	1510	E	12%	See detailed comment sheet
90	92H099-150	-723480000	21.73	1440	1480	W	12%	See detailed comment sheet
91	92H099-16	-723470000	32.07	1450	1510	SW	12%	See detailed comment sheet
92	92H099-48	-735300000	19.21	1470	1510	NE	5%	See detailed comment sheet
93	92H099-19	-723710000	28.45	1490	1530	W	0-5%	See detailed comment sheet
94	92H099-47	-736220000	6.79	1540	1590	W	9%	See detailed comment sheet
95	92H099-44	-735880000	6.92	1550	1610	W	14%	See detailed comment sheet
96	92H099-45	-735520000	22.36	1530	1570	W	10%	See detailed comment sheet
97	92H099-17	-723510000	24.45	1530	1600	E	5%	See detailed comment sheet
98	92H099-49	-735470000	8.72	1560	1580	SW	5%	See detailed comment sheet
99	92H099-12	-724860000	37.41	1550	1620	NE	14%	See detailed comment sheet
102	92H099-22	22754	27.55	1550	1590	V	10%	See detailed comment sheet
103	92H099-23	-724530000	45.55	1540	1610	V	10%	See detailed comment sheet
104	92H099-26	-732690000	22.95	1490	1520	S	11%	See detailed comment sheet

Unit	Old opening #	Old Opening ID	Net Tmt Area (ha.)	Min Elev. (m)	Max Elev. (m)	Aspect	Slope%	Comment
105	92H099-24	22755	40.30	1580	1620	V	5%	See detailed comment sheet
106	92H099-25	22756	27.83	1520	1610	E	23%	See detailed comment sheet
107	92H099-28	22759	27.61	1480	1510	S	10%	See detailed comment sheet
108	92H099-57	22758	7.84	1510	1540	S	10%	See detailed comment sheet
109	92H099-30	22757	16.27	1510	1550	S	10%	See detailed comment sheet
110	92H099-32	-722490000	27.07	1490	1540	N	10%	See detailed comment sheet
112	92H099-56	-736960000	18.62	1510	1560	N	15%	See detailed comment sheet
113	92H100-48	48710	21.24	1400	1440	SW	21%	See detailed comment sheet
114	92H100-A	n/a	28.19	1430	1440	V	5%	See detailed comment sheet
115	92H100-B	n/a	13.85	1440	1440	W	5%	See detailed comment sheet
116	92H100-95	1663236	9.64	1450	1470	E	8%	See detailed comment sheet
117	92H100-16	-731470000	5.07	1450	1470	E	10%	See detailed comment sheet
118	92H100-15	-731480000	19.77	1450	1470	V	4%	See detailed comment sheet
119	92H100-C	n/a	21.65	1440	1450	V	5%	See detailed comment sheet
120	92H100-18	-731580000	14.08	1440	1450	W	5%	See detailed comment sheet
122	92H100-3	-731080000	14.33	1450	1470	W	5%	See detailed comment sheet
123	92H100-2	-731090000	10.03	1450	1450	V	5%	See detailed comment sheet
124	92H100-17	-731600000	9.66	1440	1450	W	5%	See detailed comment sheet
125	92H100-5	-732950000	13.33	1480	1490	SW	10%	See detailed comment sheet
126	92H100-6	-732960000	12.33	1500	1510	V	5%	See detailed comment sheet
127	92H100-7	-730870000	18.37	1510	1580	N	14%	See detailed comment sheet
128	92H100-10	-722500000	18.78	1480	1560	NE	5%	See detailed comment sheet
129	92H100-11	-722480000	12.51	1520	1550	SE	5%	See detailed comment sheet
130	92H100-8	-727830000	49.38	1530	1590	V	10%	See detailed comment sheet
131	92H100-12	-727840000	12.21	1580	1610	E	12%	See detailed comment sheet
132	92H100-26	4205	8.30	1570	1600	V	15%	See detailed comment sheet
133	92H100-25	4204	10.15	1600	1630	N	11%	See detailed comment sheet
138	92H089-94	58514	16.53	1540	1570	E	5%	See detailed comment sheet
139	92H089-77	22654	10.66	1540	1570	N	9%	See detailed comment sheet
140	92H089-49	-736930000	14.69	1550	1580	NE	9%	See detailed comment sheet
141	92H089-52	-736980000	5.44	1540	1570	W	8%	See detailed comment sheet
142	92H089-76	22653	11.12	1550	1580	W	9%	See detailed comment sheet
143	92H089-79	22656	24.81	1570	1580	SE	14%	See detailed comment sheet
144	92H089-47	-737000000	19.53	1570	1580	E	15%	See detailed comment sheet
145	92H089-46	-737010000	11.75	1570	1590	SW	9%	See detailed comment sheet
146	92H089-81	22658	10.87	1580	1600	E	14%	See detailed comment sheet
149	92H089-85	4199	2.71	1590	1600	E	4%	See detailed comment sheet
150	92H089-84	4195	20.11	1560	1590	E	18%	See detailed comment sheet
151	92H090-1	-727820000	17.96	1550	1630	W	11%	See detailed comment sheet

Stand Description								
Unit	Species % dom/codom	Dom/Codom sph	Dom Codom Live crown %	Dom/codom CC %	Dom Age (yrs.)	Dom Ht (m)	Ht/Diam ratio type	Site Index
41-1	Pli100	1400	60	35	31	14	good	18.3
48	Pli100	1800	75	35	22	10	good	15.5
49	Pli100	1800	70	60	40	15	good	15.5
50	Pli100	1800	85	30	17	2	good	15.5
51	Pli100	1600	50	65	37	18	good	15.5
52	Pli100	2400	70	50	30	14	fair	15.5
53	Pli100	1700	75	60	23	7	fair	15.5
54	Pli100	1400	85	35	25	9	good	15.5
55	Pli100	1200	85	37	32	12	good	15.5
56	Pli100	2200	70	50	34	14	good	15.5
58	Pli100	1600	60	50	29	14	good	15.5
59	Pli100	1400	50	50	30	15	good	15.5
60	Pli100	1800	70	65	28	15	good	15.9
61	Pli100	3500	65	54	26	13	good	15.5
62	Pli100	2600	50	60	28	14	good	15.5
63	Pli100	2300	75	40	31	13	good	15.5
65	Pli100	2000	50	50	30	13	good	15.5
72	Pli100	4500	70	45	23	10	good	18.3
73	Pli100	3000	70	45	22	13	good	15.5

Unit	Species % dom/codom	Dom/Codom sph	Dom Codom Live crown	Dom/codo m CC %	Dom Age (yrs.)	Dom Ht (m)	Ht/Diam ratio type	Site Index
74	Pli100	2200	30	40	27	16	good	15.5
75	Pli100	2800	75	30	20	9	good	15.5
76	Pli100	13000	70	50	22	7	fair	15.9
77	Pli100	4800	70	50	23	9	good	15.9
79	Pli100	7500	70	55	30	10	fair	15.5
80	Pli100	7000	65	44	28	10	fair	15.5
81	Pli90Bl10	1400	80	45	26	10	good	15.9
83	Pli100	1800	74	45	28	12	good	15.5
84	Pli100	4200	75	54	28	10	fair	16.0
85	Pli100	2000	75	40	28	12	good	15.9
86	Pli100	2200	75	30	20	9	good	15.5
87	Pli100	8000	75	65	28	11	good	15.9
88	Pli100	5500	75	58	27	10	fair	15.9
90	Pli100	2800	70	48	32	12	good	17.1
91	Pli100	1050	70	54	32	14	good	17.1
92	Pli100	4000	40	65	32	13	good	16.0
93	Pli100	2600	35	50	36	15	good	18.0
94	Pli100	9000	70	63	28	9	good	17.1
95	Pli100	8200	70	62	26	8	good	17.1
96	Pli100	7000	50	65	27	12	good	16.0
97	Pli100	2800	75	30	20	9	good	15.5
98	Pli100	6000	40	50	35	14	good	15.9
99	Pli100	2200	70	45	25	11	good	15.9
102	Pli100	4500	70	40	22	11	good	15.9
103	Pli100	1400	60	70	26	15	good	15.9
104	Pli100	4500	65	55	33	12	good	17.1
105	Pli100	1900	85	35	20	9	good	15.5
106	Pli100	2200	70	45	23	11	good	15.9
107	Pli100	2200	85	40	25	14	good	16.0
108	Pli100	5000	75	48	22	9	good	15.5
109	Pli100	4500	70	50	23	9	good	15.5
110	Pli100	4000	65	60	35	14	good	17.1
112	Pli100	1600	85	37	22	10	good	15.9
113	Pli100	3000	70	60	27	13	good	15.5
114	Pli100	2200	55	55	34	16	good	15.5
115	Pli100	4700	45	55	34	15	good	15.5
116	Pli100	2200	65	50	27	15	good	15.5
117	Pli100	1400	65	50	27	17	good	15.5
118	Pli100	6000	74	50	32	10	good	15.9
119	Pli100	2000	25	55	38	19	good	15.5
120	Pli100	3000	65	55	35	13	good	15.5
122	Pli100	4000	40	60	31	13	good	15.5
123	Pli100	2000	50	60	30	14	good	15.5
124	Pli100	3000	50	50	32	14	good	15.5
125	Pli100	2500	40	70	33	15	good	15.9
126	Pli100	3000	50	50	32	15	good	15.5
127	Pli100	3400	65	55	35	14	good	15.9
128	Pli100	1200	50	40	39	17	good	17.1
129	Pli100	2400	30	60	38	16	good	15.9
130	Pli100	1450	75	58	37	13	good	18.0
131	Pli100	1800	75	57	37	15	good	15.0
132	Pli100	5200	85	47	25	7	good	15.5
133	Pli100	3500	75	47	23	9	good	15.5
138	Pli100	2000	80	35	20	9	good	15.5
139	Pli100	1600	85	37	22	9	good	17.1
140	Pli100	2300	80	45	23	11	good	15.9
141	Pli100	1900	80	37	22	9	good	15.9
142	Pli100	2200	70	50	23	11	good	17.1
143	Pli100	2000	70	44	24	11	good	17.1
144	Pli100	4000	75	45	25	10	good	15.9
145	Pli100	1800	75	40	26	12	good	15.9
146	Pli100	5800	75	45	25	10	good	17.1
149	Pli100	4000	70	40	24	10	good	15.5
150	Pli100	5700	85	47	20	10	fair	15.5
151	Pli90Bl10	1400	70	48	32	13	good	15.9

Ecosystem Information / Modelling information						
Unit	BECsz	Site Series	Foliar Analysis Cohort	Foliar analysis primary recommendation	Volume increase (m^3)	ROI
41-1	IDFdk1	01	1	NKSB Blend	17	5.710
48	MSxk	01	1	NKSB Blend	8	2.575
49	MSxk	01	1	NKSB Blend	14	6.935
50	MSxk	01	1	NKSB Blend	8	2.599
51	MSxk	01	1	NKSB Blend	13	5.420
52	MSxk	01	1	NKSB Blend	16	4.728
53	MSxk	01	1	NKSB Blend	8	2.575
54	MSxk	01	1	NKSB Blend	7	2.648
55	MSxk	01	1	NKSB Blend	10	3.200
56	MSxk	01	1	NKSB Blend	16	5.454
58	MSxk	01	1	NKSB Blend	11	3.320
59	MSxk	01	1	NKSB Blend	11	3.208
60	MSxk	06	1	NKSB Blend	14	4.008
61	MSxk	01	1	NKSB Blend	19	4.467
62	MSxk	01	1	NKSB Blend	16	4.457
63	MSxk	01	1	NKSB Blend	22	2.805
65	MSxk	01	1	NKSB Blend	14	4.187
72	IDFdk1	01	1	NKSB Blend	23	5.217
73	MSxk	01	1	NKSB Blend	13	3.116
74	MSxk	01	1	NKSB Blend	13	3.553
75	MSxk	01	1	NKSB Blend	11	2.348
76	MSxk	06	1	NKSB Blend	13	3.096
77	MSxk	06	1	NKSB Blend	13	3.263
79	MSxk	01	1	NKSB Blend	13	4.059
80	MSxk	01	1	NKSB Blend	13	3.526
81	MSxk	06	1	NKSB Blend	8	2.213
83	MSxk	01	1	NKSB Blend	11	3.380
84	MSxk	05	1	NKSB Blend	16	4.761
85	MSxk	06	1	NKSB Blend	14	4.188
86	MSxk	01	1	NKSB Blend	9	2.514
87	MSxk	06	1	NKSB Blend	21	5.564
88	MSxk	06	1	NKSB Blend	17	4.648
90	MSxk	07	1	NKSB Blend	22	6.554
91	MSxk	07	1	NKSB Blend	11	4.301
92	MSxk	05	1	NKSB Blend	20	6.358
93	MSxk	08	1	NKSB Blend	23	8.318
94	MSxk	07	1	NKSB Blend	22	5.750
95	MSxk	07	1	NKSB Blend	20	5.095
96	MSxk	05	1	NKSB Blend	23	5.620
97	MSxk	01	1	NKSB Blend	11	2.348
98	MSxk	06	1	NKSB Blend	23	7.890
99	MSxk	06	1	NKSB Blend	13	3.637
102	MSxk	06	1	NKSB Blend	11	2.780

Unit	BECsz	Site Series	Foliar Analysis Cohort	Foliar analysis primary recommendation	Volume increase (m^3)	ROI
103	MSxk	06	1	NKSB Blend	10	2.838
104	MSxk	07	1	NKSB Blend	22	7.174
105	MSxk	01	1	NKSB Blend	7	2.025
106	MSxk	06	1	NKSB Blend	12	3.021
107	MSxk	05	1	NKSB Blend	14	3.775
108	MSxk	01	1	NKSB Blend	8	2.169
109	MSxk	01	1	NKSB Blend	8	2.618
110	MSxk	07	1	NKSB Blend	24	8.356
112	MSxk	06	1	NKSB Blend	8	2.771
113	MSxk	01	1	NKSB Blend	18	4.611
114	MSxk	01	1	NKSB Blend	16	5.378
115	MSxk	01	1	NKSB Blend	15	4.233
116	MSxk	01	1	NKSB Blend	14	3.755
117	MSxk	01	1	NKSB Blend	9	2.482
118	MSxk	06	1	NKSB Blend	23	6.932
119	MSxk	01	1	NKSB Blend	15	6.393
120	MSxk	01	1	NKSB Blend	19	6.532
122	MSxk	01	1	NKSB Blend	13	3.925
123	MSxk	01	1	NKSB Blend	11	3.316
124	MSxk	01	1	NKSB Blend	20	5.942
125	MSxk	06	1	NKSB Blend	18	5.859
126	MSxk	01	1	NKSB Blend	19	5.719
127	MSxk	06	1	NKSB Blend	21	7.043
128	MSxk	07	1	NKSB Blend	14	7.199
129	MSxk	06	1	NKSB Blend	18	7.391
130	MSxk	08	1	NKSB Blend	18	7.567
131	MSxk	09	1	NKSB Blend	13	5.439
132	MSxk	01	1	NKSB Blend	8	2.380
133	MSxk	01	1	NKSB Blend	16	3.704
138	MSxk	01	1	NKSB Blend	7	2.163
139	MSxk	07	1	NKSB Blend	11	2.822
140	MSxk	06	1	NKSB Blend	12	3.123
141	MSxk	06	1	NKSB Blend	10	2.409
142	MSxk	07	1	NKSB Blend	15	3.865
143	MSxk	07	1	NKSB Blend	15	3.914
144	MSxk	06	1	NKSB Blend	14	3.756
145	MSxk	06	1	NKSB Blend	12	3.389
146	MSxk	07	1	NKSB Blend	22	5.195
149	MSxk	01	1	NKSB Blend	8	2.430
150	MSxk	01	1	NKSB Blend	6	1.273
151	MSxk	06	1	NKSB Blend	11	3.726

Treatment Details
Foliar Analysis: (reference any foliar analysis work). This interim prescription does not include Foliar Analysis. This work will be complete as funding becomes available.
ROI discussion: Each site has been modelled using TIPSYP V 4.4 and Fan\$ier. All units meet the requirements for IRR > 2.0 except 150. This was included as it is immediately adjacent to a treatment area, and the issue is solely with age. Given that this treatment could be in 2020 or 2021 it was decided to include it in the treatment area.
This site has not been previously fertilized.

Treatment Details					
Unit #	Net Treatment Area (ha)	Season / Timing	Type of Fertilizer	Prescribed Application Rate	Fertilizer Amount (kg)
41-1	13.9	Autumn preferred	NKSB Blend	to be determined	to be determined
48	30.1	Autumn preferred	NKSB Blend	to be determined	to be determined
49	22.0	Autumn preferred	NKSB Blend	to be determined	to be determined
50	18.9	Autumn preferred	NKSB Blend	to be determined	to be determined
51	20.5	Autumn preferred	NKSB Blend	to be determined	to be determined
52	2.7	Autumn preferred	NKSB Blend	to be determined	to be determined
53	7.4	Autumn preferred	NKSB Blend	to be determined	to be determined
54	3.4	Autumn preferred	NKSB Blend	to be determined	to be determined
55	6.0	Autumn preferred	NKSB Blend	to be determined	to be determined
56	32.2	Autumn preferred	NKSB Blend	to be determined	to be determined
58	3.5	Autumn preferred	NKSB Blend	to be determined	to be determined
59	24.8	Autumn preferred	NKSB Blend	to be determined	to be determined
60	35.0	Autumn preferred	NKSB Blend	to be determined	to be determined
61	23.0	Autumn preferred	NKSB Blend	to be determined	to be determined
62	5.9	Autumn preferred	NKSB Blend	to be determined	to be determined
63	17.5	Autumn preferred	NKSB Blend	to be determined	to be determined
65	21.0	Autumn preferred	NKSB Blend	to be determined	to be determined
72	25.9	Autumn preferred	NKSB Blend	to be determined	to be determined
73	27.2	Autumn preferred	NKSB Blend	to be determined	to be determined
74	13.4	Autumn preferred	NKSB Blend	to be determined	to be determined
75	17.5	Autumn preferred	NKSB Blend	to be determined	to be determined
76	11.0	Autumn preferred	NKSB Blend	to be determined	to be determined
77	18.6	Autumn preferred	NKSB Blend	to be determined	to be determined
79	58.7	Autumn preferred	NKSB Blend	to be determined	to be determined
80	126.6	Autumn preferred	NKSB Blend	to be determined	to be determined
81	19.1	Autumn preferred	NKSB Blend	to be determined	to be determined
83	19.3	Autumn preferred	NKSB Blend	to be determined	to be determined
84	8.1	Autumn preferred	NKSB Blend	to be determined	to be determined
85	13.1	Autumn preferred	NKSB Blend	to be determined	to be determined
86	26.6	Autumn preferred	NKSB Blend	to be determined	to be determined
87	13.2	Autumn preferred	NKSB Blend	to be determined	to be determined
88	7.2	Autumn preferred	NKSB Blend	to be determined	to be determined
90	21.7	Autumn preferred	NKSB Blend	to be determined	to be determined
91	32.1	Autumn preferred	NKSB Blend	to be determined	to be determined
92	19.2	Autumn preferred	NKSB Blend	to be determined	to be determined
93	28.4	Autumn preferred	NKSB Blend	to be determined	to be determined
94	6.8	Autumn preferred	NKSB Blend	to be determined	to be determined
95	6.9	Autumn preferred	NKSB Blend	to be determined	to be determined
96	22.4	Autumn preferred	NKSB Blend	to be determined	to be determined
97	24.4	Autumn preferred	NKSB Blend	to be determined	to be determined

Unit #	Net Treatment Area (ha)	Season / Timing	Type of Fertilizer	Prescribed Application Rate	Fertilizer Amount (kg)
98	8.7	Autumn preferred	NKSB Blend	to be determined	to be determined
99	37.4	Autumn preferred	NKSB Blend	to be determined	to be determined
102	27.6	Autumn preferred	NKSB Blend	to be determined	to be determined
103	45.5	Autumn preferred	NKSB Blend	to be determined	to be determined
104	23.0	Autumn preferred	NKSB Blend	to be determined	to be determined
105	40.3	Autumn preferred	NKSB Blend	to be determined	to be determined
106	27.8	Autumn preferred	NKSB Blend	to be determined	to be determined
107	27.6	Autumn preferred	NKSB Blend	to be determined	to be determined
108	7.8	Autumn preferred	NKSB Blend	to be determined	to be determined
109	16.3	Autumn preferred	NKSB Blend	to be determined	to be determined
110	27.1	Autumn preferred	NKSB Blend	to be determined	to be determined
112	18.6	Autumn preferred	NKSB Blend	to be determined	to be determined
113	21.2	Autumn preferred	NKSB Blend	to be determined	to be determined
114	28.2	Autumn preferred	NKSB Blend	to be determined	to be determined
115	13.8	Autumn preferred	NKSB Blend	to be determined	to be determined
116	9.6	Autumn preferred	NKSB Blend	to be determined	to be determined
117	5.1	Autumn preferred	NKSB Blend	to be determined	to be determined
118	19.8	Autumn preferred	NKSB Blend	to be determined	to be determined
119	21.7	Autumn preferred	NKSB Blend	to be determined	to be determined
120	14.1	Autumn preferred	NKSB Blend	to be determined	to be determined
122	14.3	Autumn preferred	NKSB Blend	to be determined	to be determined
123	10.0	Autumn preferred	NKSB Blend	to be determined	to be determined
124	9.7	Autumn preferred	NKSB Blend	to be determined	to be determined
125	13.3	Autumn preferred	NKSB Blend	to be determined	to be determined
126	12.3	Autumn preferred	NKSB Blend	to be determined	to be determined
127	18.4	Autumn preferred	NKSB Blend	to be determined	to be determined
128	18.8	Autumn preferred	NKSB Blend	to be determined	to be determined
129	12.5	Autumn preferred	NKSB Blend	to be determined	to be determined
130	49.4	Autumn preferred	NKSB Blend	to be determined	to be determined
131	12.2	Autumn preferred	NKSB Blend	to be determined	to be determined
132	8.3	Autumn preferred	NKSB Blend	to be determined	to be determined
133	10.1	Autumn preferred	NKSB Blend	to be determined	to be determined
138	16.5	Autumn preferred	NKSB Blend	to be determined	to be determined
139	10.7	Autumn preferred	NKSB Blend	to be determined	to be determined
140	14.7	Autumn preferred	NKSB Blend	to be determined	to be determined
141	5.4	Autumn preferred	NKSB Blend	to be determined	to be determined
142	11.1	Autumn preferred	NKSB Blend	to be determined	to be determined
143	24.8	Autumn preferred	NKSB Blend	to be determined	to be determined
144	19.5	Autumn preferred	NKSB Blend	to be determined	to be determined
145	11.7	Autumn preferred	NKSB Blend	to be determined	to be determined
146	10.9	Autumn preferred	NKSB Blend	to be determined	to be determined
149	2.7	Autumn preferred	NKSB Blend	to be determined	to be determined
150	20.1	Autumn preferred	NKSB Blend	to be determined	to be determined
151	18.0	Autumn preferred	NKSB Blend	to be determined	to be determined
Total Area:	1651.8			Total kg:	

RISK ASSESSMENT: FOREST HEALTH, WILDFIRE					
Unit #	Forest Health	Forest Health comment	Wildfire risk	Private property vicinity	Water bodies?
41-1	DSGDSA	Present but low	Low	n/a	none significant
48	DSGDSA	Present but low	Low	n/a	none significant
49	DSG 6%DSA 4%	good	Low	n/a	none significant
50	DSGDSA	Present but low	Low	n/a	none significant
51	DSGDSA	Present but low	Low	n/a	none significant
52	DSGDSA	Present but low	Low	n/a	none significant
53	DSG 5%	good. Co-doms stagnant due to high SPH	Low	n/a	Present, buffered
54	DSG 4%	good	Low	n/a	none significant
55	DSG 10%AH 4%	fair	Low	n/a	none significant
56	DSG 10%DSA 4%AM 5%	fair to marginal	Low	n/a	none significant
58	DSGDSA	low to moderate DSG some larger branches in aspen areas	Low	n/a	none significant
59	DSGDSA	Present but low	Low	n/a	none significant
60	DSA 12%AP 2%	generally good	Low	n/a	none significant
61	DSG 3%DSA 3%	good, trace AH damage	Low	n/a	none significant
62	DSG DSA	Low rust to moderate in places, large branches in open areas	Low	n/a	none significant
63	DSG 4%DSA 4%	fair to good overall	Low	n/a	none significant
65	DSG DSA	Present but low	Low	n/a	none significant
72	DSG 4%	good	Low	n/a	none significant
73	DSG 8%DSA 4%	varied but overall good, trace AH/AP	Low	n/a	none significant
74	DSG 8% DSA 4%	generally good	Low	n/a	none significant
75	DSG 8%DSA 4%	generally good	Low	n/a	none significant
76	n/a	n/a	Low	n/a	none significant
77	DSG 7%AH 3%	good	Low	n/a	none significant
79	DSG 7%DSA 3%	good	Low	n/a	none significant
80	DSG 7%	good overall, high stem count	Low	n/a	none significant
81	DSG 5%	good	Low	n/a	none significant
83	DSG 7%DSA 3%	good	Low	n/a	none significant
84	DSG 5%	good	Low	n/a	none significant
85	DSG 7%DSA 3%	fair to good	Low	n/a	none significant
86	DSGDSA	Present but low	Low	n/a	none significant
87	DSG 7%DSA 2%	good	Low	n/a	none significant
88	DSG 8%DSA 5%AH 1%	good	Low	n/a	none significant
90	DSG 17%	marginal, ranges fair to high	Low	n/a	none significant
91	DSG 14%	marginal to variable	Low	n/a	none significant
92	DSG 8%DSA 4%	generally good	Low	n/a	none significant
93	DSGDSA	Present but low	Low	n/a	none significant
94	DSG 10%	fair	Low	n/a	none significant

Unit #	Forest Health	Forest Health comment	Wildfire risk	Private property vicinity	Water bodies?
95	DSG 5%DSA 4%	good	Low	n/a	none significant
96	DSG DSA	Present but low	Low	n/a	none significant
97	DSG 8%DSA 45	n/a	Low	n/a	none significant
98	DSGDSA	Present but low	Low	n/a	none significant
99	DSG 9%AH 3%DSA 4%	fair to good, but variable overall, fair.	Low	n/a	none significant
102	DSG 5%	good	Low	n/a	none significant
103	DSG 8%DSA 5%AR 3%	Fair, some marginal areas of high incidence but	Low	n/a	none significant
104	DSG 7%DSA 3%	good	Low	n/a	none significant
105	DSG 8%DSA 5%	generally good, some pockets of high incidence	Low	n/a	none significant
106	DSG 6%AH 2%	good	Low	n/a	none significant
107	DSG 8%DSA 4%	good	Low	n/a	none significant
108	DSG 8%	good	Low	n/a	none significant
109	DSG 10%	good	Low	n/a	none significant
110	DSG 7%AH 2%	good	Low	n/a	none significant
112	DSG 20%	moderate to high variable throughout but common	Low	n/a	none significant
113	DSGDSA	Present but low	Low	n/a	none significant
114	DSG 8%DSA 5%	Some marginal areas but generally good.	Low	n/a	none significant
115	DSg 8%	generally good	Low	n/a	none significant
116	DSG 8%DSA 4%	generally good; mix of low incidence with small area of high	Low	n/a	none significant
117	DSG 8%DSA 5%	generally fair to good.	Low	n/a	none significant
118	DSA 3%AH 2%	good	Low	n/a	none significant
119	DSG 8%DSA 8%	fair to good, patchy with small area of high	Low	n/a	none significant
120	DSG 8%DSA 3%	generally good	Low	n/a	none significant
122	DSG 8%DSA 5%	generally good	Low	n/a	none significant
123	DSG 8%DSA	generally good	Low	n/a	none significant
124	DSG 8%DSA 4%	good	Low	n/a	none significant
125	DSG 8%DSA 4%	good	Low	n/a	none significant
126	DSG 8%DSA 4%	good	Low	n/a	none significant
127	DSG 4%AH 2%	good	Low	n/a	none significant
128	DSGDSA	DSA present in pockets but low overall, pockets of	Low	n/a	none significant
129	DSGDSA	<15% DSG/DSA. Pli have large branches in open areas	Low	n/a	none significant
130	DSG 4%DSA 4%AH 5%	generally good. Ranges low to high; generally low; AH generally heals, no mortality	Low	n/a	none significant
131	DSG 4%DSA 4%AH 3%	generally good	Low	n/a	none significant
132	DSG 4%	good	Low	n/a	none significant
133	DSG 5%AH 2%	good overall	Low	n/a	none significant
138	DSG 8%DSA 4%	generally good	Low	n/a	none significant

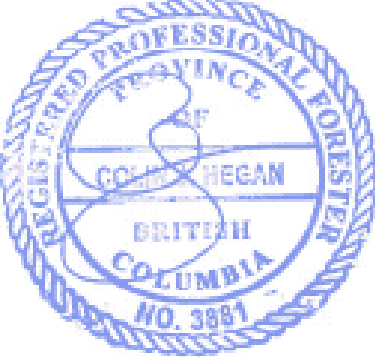
Unit #	Forest Health	Forest Health comment	Wildfire risk	Private property vicinity	Water bodies?
139	DSG 15%	DSG ranges from 10-25%	Low	n/a	none significant
140	DSG 10%	variable, but fairly good overall	Low	n/a	none significant
141	DSG 8%	good	Low	n/a	none significant
142	DSG 8%	generally good	Low	n/a	none significant
143	DSG 10%	fair to good, variable throughout	Low	n/a	none significant
144	DSG 4%DSA 3%	generally good	Low	n/a	none significant
145	DSG 8%DSA 4%	good	Low	n/a	none significant
146	DSG4%	good	Low	n/a	none significant
149	DSG 7%	generally good.	Low	n/a	none significant
150	DSG 5%	good	Low	n/a	none significant
151	DSG 8%DSA 2%AH 2%	generally good, some marginal areas.	Low	n/a	none significant

MANAGEMENT OBJECTIVES/IRM VALUES	
Treatment Objective(s) and Future Regime:	
Increase sawlog volume. Evaluate for further fertilization treatment in 5 years post treatment.	
Research Installations or Permanent Sample Plots:	
None noted.	
Visuals:	
No Retention or Partial Retention	
Cultural Heritage:	
None noted.	
Recreation:	
Hunting.	
Wildlife/Biodiversity /Species at Risk:	
None identified at this time.	
Range:	
n/a	
Other Resources or Tenure/Issues: (e.g. Karst; Trappers; hydro right-of-ways; weather stations)	
Trappers	
Water Bodies/Fish/Water Quality:	
Riparian Classes	Location/Measures Prescribed/ Buffers/ Comments
Streams S1 to S4	Buffer 10m.
Streams S5-S6	No buffers prescribed for any observed S5's and S6's.
Wetlands W1-W5	Buffer 10m.
Lakes L1-L5	20m buffer prescribed around L1-L5 features.
Non-classifiable wetland (NCW; ,NCL; NCD)	No buffers prescribed for any observed Non-classifiable features.
Residential Water Intakes	Buffer 50m.
Watersheds & Water Quality Sampling (if in community watershed)	
The prescribed treatment is not in a community watershed.	

LOGISTICS AND SAFETY	
General Access:	
Distance from Highway	<p>There are three main access points for the treatment units: Pennask Lk. Rd, Sunset Main, and Pennask Lake Rd. From Merritt, follow the Coquihalla Connector - Hwy97C to Sunset Main Rd/Sunset Main Forest Service Rd. Take the exit toward Sunset Main Road from BC-97C 41 Minutes - 67 kms total.</p> <p>From Merritt, follow the Coquihalla Connector - Hwy97C to Elkhart Lake Rd. Take the exit toward Elkhart Lake 34 Minutes - 56 kms total.</p> <p>From Merritt, Drive 25km north on Highway 5A and turn right onto the Pennask Lk. Rd. Drive 43km to Pennask Lake.</p>
Main Road Access	Good main haul road access with good feeder roads.
Secondary/Block Access	As per the overview map.
Access Condition	Very good.
Access Improvements Required	None at this time. To be reviewed prior to contract award.
Potential Staging Areas	To be identified by the contractor. Staging areas exist throughout the working area.
Staging Improvements Required	To be identified by the contractor.

Safety: (Distance to hospital and contact information; radio frequencies for access; any safety specific protocols; snags)
General Safety precautions should be taken. There is no known safety issues associated with this area.

STORAGE/HANDLING OF FERTILIZER
Storage/Transport: (e.g. type of fertilizer; any regulations as far as transport; conditions of storage)
Forest grade urea and Ammonium Sulphate are not controlled products under WHMIS (Workplace Hazardous Material Information System). Further information for urea can be found in the product’s Material Safety Data Sheet (MSDS). Urea is not regulated for rail or road transportation. Because of the solubility in water, however, urea must be stored in dry containers and protected from moisture. Urea is hydrophilic and moisture will make the products go lumpy or cakey. Security of a storage area is important to prevent cattle and wildlife from consuming fertilizer, preventing unauthorized removal of fertilizer, and protecting equipment from vandalism. A night watchman or other method of security, such as fencing may be used.
Accidental Spills: (e.g. ground, water)
Forest urea fertilizer comes in a dry “pill” form. If spilled on the ground, then promptly sweep/shovel/vacuum up and use the fertilizer as it was intended. If it cannot be used, then dispose of it as per provincial, or Federal Legislation. Dry spills are usually very easy to clean up. If spilled into a water body, then it shall be reported to the proper authorities and follow up plans and procedures developed based on their instructions. Application Contractor should have their own contingency plan to deal with accidents.

Forest Fertilization Prescription Certification			
Attachments:		Fertilization prescription map	
Plan prepared by:	Colin Hegan RPF	RPF signature and seal	Date signed:
	7/22/2019		3/25/2020