

APPENDIX I
YIELD TABLES



STERLING WOOD
GROUP INC.

EXISTING STAND YIELD TABLES



STERLING WOOD
GROUP INC.

Stand Volume and Diameter Table, Air Method
Western Hemlock 65.0%, True Fir 23.0%, Spruce 12.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT:	12.5+	VOLUME:	551.2	AGE:	61	MAI:	9.25
LIMIT:	17.5+	VOLUME:	579.4	AGE:	67	MAI:	8.95

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(12.5 cm+)			(17.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	1.2	0.0	0.0	0.00	0.0	0.0	0.00
15	6.1	17.1	1.1	0.07	21.6	0.7	0.05
25	12.6	19.2	120.7	4.83	23.0	74.7	2.99
35	18.3	22.7	266.0	7.60	26.1	229.6	6.56
45	23.3	25.9	389.9	8.66	29.1	359.7	7.99
55	27.5	28.9	495.4	9.01	31.8	469.5	8.54
65	31.1	31.7	585.6	9.01	34.5	562.6	8.65
75	34.3	34.3	662.9	8.84	37.1	641.8	8.56
85	37.1	36.7	727.5	8.56	39.6	708.4	8.33
95	39.5	39.0	779.4	8.20	42.0	763.4	8.04
105	41.7	41.2	822.9	7.84	44.4	809.7	7.71
115	43.7	43.2	859.4	7.47	46.6	848.9	7.38
125	45.4	45.3	893.9	7.15	48.9	885.3	7.08
135	47.0	47.2	929.8	6.89	51.0	922.2	6.83
145	48.4	49.1	961.9	6.63	53.0	955.1	6.59
155	49.7	50.9	990.7	6.39	55.0	984.5	6.35
165	51.0	52.6	1016.6	6.16	57.0	1010.9	6.13
175	52.1	54.3	1039.8	5.94	58.9	1034.3	5.91
185	53.1	55.9	1060.8	5.73	60.6	1055.3	5.70
195	54.0	57.4	1079.7	5.54	62.3	1074.3	5.51
205	54.9	58.8	1096.7	5.35	63.9	1091.3	5.32
215	55.7	60.1	1112.1	5.17	65.4	1106.7	5.15
225	56.5	61.4	1125.9	5.00	66.8	1120.5	4.98
235	57.2	62.7	1138.4	4.84	68.3	1133.0	4.82
245	57.9	64.0	1149.7	4.69	69.8	1144.3	4.67

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number... 1.0	Stand Height (m)..... <Not Used>
Core Version Number..... 6.4a	Stand Total Age..... <Not Used>
Species 1..... HW (65.0%)	% Crown Closure Supplied. 53.0
Species 2..... B (23.0%)	Measured Basal Area..... <Not Used>
Species 3..... S (12.0%)	Measured Basal Area Age.. <Not Used>
Method..... Air	Stocking Class..... 0
Forest Inventory Zone.... A	PSYU Special Cruise #.... 301
Utilization Level 1..... 12.5	PSYU Subcode/TFL Block... 0
Utilization Level 2..... 17.5	Starting Total Age..... 5
Adjustment Factor..... 1.00	Finishing Total Age..... 250
SI (BHA 50) Calc/Supplied 27.7	Age Increment..... 10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT	

Stand Volume and Diameter Table, Air Method
Western Hemlock 64.0%, True Fir 27.0%, Spruce 9.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 12.5+ VOLUME: 456.6 AGE: 79 MAI: 5.96
LIMIT: 17.5+ VOLUME: 471.5 AGE: 87 MAI: 5.68

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(12.5 cm+)			(17.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	1.0	0.0	0.0	0.00	0.0	0.0	0.00
15	4.0	15.4	0.3	0.02	20.1	0.1	0.01
25	8.4	17.2	11.3	0.45	23.1	2.7	0.11
35	12.5	19.3	121.3	3.47	23.1	76.5	2.19
45	16.3	21.6	216.1	4.80	25.2	177.6	3.95
55	19.5	23.8	298.6	5.43	27.2	264.5	4.81
65	22.4	25.9	370.7	5.70	29.2	339.8	5.23
75	24.9	27.9	433.6	5.78	31.1	405.2	5.40
85	27.2	29.8	487.5	5.74	33.0	461.4	5.43
95	29.2	31.6	532.4	5.60	34.9	509.0	5.36
105	31.0	33.4	571.0	5.44	36.7	550.0	5.24
115	32.7	35.1	604.1	5.25	38.4	585.5	5.09
125	34.2	36.7	635.2	5.08	40.1	618.5	4.95
135	35.5	38.3	666.9	4.94	41.8	651.3	4.82
145	36.8	39.8	695.6	4.80	43.5	681.0	4.70
155	37.9	41.4	721.6	4.66	45.1	708.0	4.57
165	39.0	42.8	745.3	4.52	46.7	732.4	4.44
175	40.0	44.2	766.9	4.38	48.2	754.7	4.31
185	40.9	45.5	786.5	4.25	49.6	775.0	4.19
195	41.7	46.8	804.5	4.13	50.9	793.5	4.07
205	42.5	47.9	820.9	4.00	52.2	810.4	3.95
215	43.2	49.0	835.9	3.89	53.4	825.9	3.84
225	43.9	50.1	849.7	3.78	54.5	840.0	3.73
235	44.6	51.1	862.3	3.67	55.7	853.0	3.63
245	45.2	52.2	873.8	3.57	56.8	864.8	3.53

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	HW (64.0%)	% Crown Closure Supplied.	58.0
Species 2.....	B (27.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (9.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	A	PSYU Special Cruise #....	301
Utilization Level 1.....	12.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	17.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	20.0	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
Western Hemlock 68.0%, True Fir 21.0%, Spruce 11.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 12.5+ VOLUME: 321.5 AGE: 103 MAI: 3.30
LIMIT: 17.5+ VOLUME: 332.7 AGE: 118 MAI: 3.05

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(12.5 cm+)		DIA (cm)	(17.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.9	0.0	0.0	0.00	0.0	0.0	0.00
15	2.9	14.4	0.3	0.02	0.0	0.0	0.00
25	5.4	16.3	0.8	0.03	20.9	0.5	0.02
35	8.1	17.2	9.4	0.27	22.8	3.1	0.09
45	10.6	18.5	75.5	1.68	22.4	25.8	0.57
55	12.9	20.0	132.3	2.41	23.7	88.3	1.61
65	14.9	21.4	182.3	2.81	25.0	142.0	2.19
75	16.7	22.8	226.7	3.02	26.3	189.2	2.52
85	18.3	24.1	265.4	3.12	27.6	230.4	2.71
95	19.8	25.4	298.3	3.14	28.8	266.2	2.80
105	21.2	26.6	327.0	3.11	30.0	297.6	2.83
115	22.4	27.8	351.9	3.06	31.2	325.1	2.83
125	23.5	28.9	375.5	3.00	32.3	350.7	2.81
135	24.6	30.0	399.2	2.96	33.4	375.8	2.78
145	25.5	31.1	420.9	2.90	34.6	398.8	2.75
155	26.4	32.2	440.8	2.84	35.7	419.8	2.71
165	27.2	33.2	459.0	2.78	36.7	439.1	2.66
175	28.0	34.2	475.8	2.72	37.8	456.8	2.61
185	28.7	35.1	491.2	2.66	38.7	473.1	2.56
195	29.4	36.0	505.5	2.59	39.6	488.2	2.50
205	30.0	36.8	518.6	2.53	40.5	502.1	2.45
215	30.6	37.6	530.8	2.47	41.3	514.9	2.40
225	31.2	38.3	542.0	2.41	42.1	526.8	2.34
235	31.7	39.0	552.4	2.35	42.8	537.9	2.29
245	32.2	39.8	562.0	2.29	43.7	548.1	2.24

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	HW (68.0%)	% Crown Closure Supplied.	54.0
Species 2.....	B (21.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (11.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	A	PSYU Special Cruise #....	301
Utilization Level 1.....	12.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	17.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	13.4	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
 Western Hemlock 61.0%, True Fir 27.0%, Spruce 12.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 12.5+ VOLUME: 412.7 AGE: 88 MAI: 4.87
 LIMIT: 17.5+ VOLUME: 426.8 AGE: 98 MAI: 4.61

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(12.5 cm+)			(17.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.9	0.0	0.0	0.00	0.0	0.0	0.00
15	3.4	14.8	0.5	0.03	19.5	0.1	0.01
25	6.9	17.5	1.6	0.06	21.9	1.2	0.05
35	10.5	18.2	74.7	2.14	22.1	26.1	0.75
45	13.6	20.2	157.5	3.50	23.9	116.3	2.58
55	16.5	22.1	230.1	4.18	25.7	193.2	3.51
65	19.0	24.0	294.0	4.52	27.4	260.3	4.00
75	21.2	25.7	350.6	4.67	29.1	319.2	4.26
85	23.2	27.4	399.7	4.70	30.7	370.6	4.36
95	25.0	29.0	441.3	4.64	32.3	414.7	4.37
105	26.6	30.5	477.5	4.55	33.9	453.3	4.32
115	28.1	32.0	509.1	4.43	35.4	487.1	4.24
125	29.5	33.5	538.9	4.31	36.9	518.6	4.15
135	30.7	34.9	569.0	4.21	38.4	549.9	4.07
145	31.8	36.3	596.5	4.11	39.9	578.5	3.99
155	32.9	37.6	621.7	4.01	41.3	604.6	3.90
165	33.8	39.0	644.8	3.91	42.7	628.6	3.81
175	34.7	40.2	666.0	3.81	44.0	650.7	3.72
185	35.6	41.4	685.6	3.71	45.2	671.0	3.63
195	36.3	42.4	703.7	3.61	46.4	689.8	3.54
205	37.1	43.5	720.4	3.51	47.5	707.1	3.45
215	37.7	44.5	735.9	3.42	48.5	723.2	3.36
225	38.4	45.4	750.2	3.33	49.5	738.1	3.28
235	39.0	46.3	763.5	3.25	50.5	751.9	3.20
245	39.5	47.3	775.9	3.17	51.5	764.7	3.12

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	HW (61.0%)	% Crown Closure Supplied.	68.0
Species 2.....	B (27.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (12.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	A	PSYU Special Cruise #....	301
Utilization Level 1.....	12.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	17.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	17.0	Age Increment.....	10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT			

Stand Volume and Diameter Table, Air Method
Western Hemlock 70.0%, True Fir 26.0%, Spruce 4.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 12.5+ VOLUME: 318.2 AGE: 112 MAI: 3.04
LIMIT: 17.5+ VOLUME: 331.4 AGE: 128 MAI: 2.81

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(12.5 cm+)		DIA (cm)	(17.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.8	0.0	0.0	0.00	0.0	0.0	0.00
15	2.7	0.0	0.0	0.00	0.0	0.0	0.00
25	5.0	15.8	0.1	0.00	20.4	0.1	0.00
35	7.4	17.7	0.7	0.02	22.1	0.6	0.02
45	9.7	17.9	52.6	1.17	20.9	3.8	0.08
55	11.8	19.2	107.7	1.96	22.9	63.1	1.15
65	13.6	20.5	156.5	2.41	24.1	115.3	1.77
75	15.3	21.8	200.1	2.67	25.3	161.6	2.15
85	16.8	23.0	238.4	2.80	26.4	202.5	2.38
95	18.2	24.2	271.2	2.85	27.6	238.1	2.51
105	19.5	25.3	300.1	2.86	28.7	269.6	2.57
115	20.6	26.4	325.5	2.83	29.8	297.5	2.59
125	21.7	27.5	349.4	2.80	30.9	323.5	2.59
135	22.6	28.6	373.4	2.77	32.0	349.0	2.58
145	23.5	29.7	395.5	2.73	33.0	372.4	2.57
155	24.4	30.7	415.8	2.68	34.1	394.0	2.54
165	25.1	31.7	434.6	2.63	35.1	413.9	2.51
175	25.9	32.6	452.0	2.58	36.1	432.3	2.47
185	26.5	33.5	468.1	2.53	37.0	449.4	2.43
195	27.2	34.3	483.0	2.48	37.8	465.3	2.39
205	27.7	35.1	496.9	2.42	38.6	480.1	2.34
215	28.3	35.9	509.8	2.37	39.4	493.9	2.30
225	28.8	36.5	521.8	2.32	40.1	506.7	2.25
235	29.3	37.2	533.0	2.27	40.8	518.7	2.21
245	29.8	38.0	543.5	2.22	41.6	529.9	2.16

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number... 1.0	Stand Height (m)..... <Not Used>
Core Version Number..... 6.4a	Stand Total Age..... <Not Used>
Species 1..... HW (70.0%)	% Crown Closure Supplied. 68.0
Species 2..... B (26.0%)	Measured Basal Area..... <Not Used>
Species 3..... S (4.0%)	Measured Basal Area Age.. <Not Used>
Method..... Air	Stocking Class..... 0
Forest Inventory Zone.... A	PSYU Special Cruise #.... 301
Utilization Level 1..... 12.5	PSYU Subcode/TFL Block... 0
Utilization Level 2..... 17.5	Starting Total Age..... 5
Adjustment Factor..... 1.00	Finishing Total Age..... 250
SI (BHA 50) Calc/Supplied 12.3	Age Increment..... 10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT	

Stand Volume and Diameter Table, Air Method
True Fir 63.0%, Western Hemlock 34.0%, Spruce 3.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 12.5+ VOLUME: 552.9 AGE: 60 MAI: 9.45
LIMIT: 17.5+ VOLUME: 567.6 AGE: 64 MAI: 9.17

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(12.5 cm+)			(17.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	1.0	0.0	0.0	0.00	0.0	0.0	0.00
15	6.1	16.7	0.1	0.00	0.0	0.0	0.00
25	13.0	18.5	116.6	4.67	22.3	76.7	3.07
35	18.8	21.6	268.4	7.67	25.0	236.6	6.76
45	23.7	24.6	395.9	8.80	27.8	369.6	8.21
55	28.0	27.4	504.1	9.17	30.4	481.7	8.76
65	31.6	30.0	595.8	9.17	33.0	576.1	8.86
75	34.6	32.6	672.0	8.96	35.6	654.3	8.72
85	37.3	35.0	737.3	8.67	38.1	720.2	8.47
95	39.7	37.4	793.1	8.35	40.5	774.7	8.16
105	41.8	39.8	841.3	8.01	43.0	821.1	7.82
115	43.7	42.1	883.1	7.68	45.4	860.4	7.48
125	45.4	44.4	921.4	7.37	47.8	897.2	7.18
135	47.0	46.6	958.4	7.10	50.2	934.5	6.92
145	48.4	48.9	991.7	6.84	52.6	967.9	6.68
155	49.7	51.1	1021.8	6.59	55.0	998.1	6.44
165	50.9	53.3	1048.9	6.36	57.3	1025.3	6.21
175	52.0	55.4	1073.6	6.13	59.5	1049.9	6.00
185	53.0	57.2	1095.9	5.92	61.4	1072.1	5.79
195	53.9	58.9	1116.3	5.72	63.2	1092.2	5.60
205	54.8	60.5	1134.9	5.54	64.9	1110.5	5.42
215	55.6	62.0	1151.8	5.36	66.5	1127.2	5.24
225	56.3	63.4	1167.3	5.19	67.9	1142.4	5.08
235	57.0	64.8	1181.4	5.03	69.3	1156.3	4.92
245	57.7	66.3	1194.4	4.88	70.9	1169.0	4.77

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	B (63.0%)	% Crown Closure Supplied.	51.0
Species 2.....	HW (34.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (3.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	A	PSYU Special Cruise #....	301
Utilization Level 1.....	12.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	17.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	28.7	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
True Fir 59.0%, Western Hemlock 30.0%, Spruce 11.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 12.5+ VOLUME: 457.5 AGE: 88 MAI: 5.40
LIMIT: 17.5+ VOLUME: 471.4 AGE: 96 MAI: 5.19

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(12.5 cm+)			(17.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.6	0.0	0.0	0.00	0.0	0.0	0.00
15	2.4	13.9	0.1	0.01	0.0	0.0	0.00
25	6.9	17.2	1.2	0.05	21.7	0.8	0.03
35	11.1	18.1	72.7	2.08	22.0	31.8	0.91
45	14.8	20.3	166.8	3.71	23.9	131.7	2.93
55	18.1	22.5	249.0	4.53	25.9	218.0	3.96
65	21.2	24.7	325.3	5.00	28.0	297.5	4.58
75	23.7	26.7	387.4	5.17	30.0	361.9	4.83
85	26.1	28.7	442.4	5.20	31.9	418.2	4.92
95	28.1	30.7	490.9	5.17	33.8	466.9	4.91
105	30.0	32.6	534.0	5.09	35.8	509.7	4.85
115	31.7	34.6	572.5	4.98	37.7	547.3	4.76
125	33.3	36.5	608.1	4.87	39.6	582.5	4.66
135	34.8	38.4	642.4	4.76	41.6	617.3	4.57
145	36.1	40.2	673.8	4.65	43.5	649.2	4.48
155	37.4	42.1	702.6	4.53	45.4	678.4	4.38
165	38.5	43.9	729.2	4.42	47.3	705.3	4.27
175	39.6	45.7	753.6	4.31	49.1	730.0	4.17
185	40.6	47.2	776.2	4.20	50.7	752.9	4.07
195	41.5	48.6	797.2	4.09	52.1	774.1	3.97
205	42.4	50.0	816.5	3.98	53.5	793.6	3.87
215	43.2	51.2	834.5	3.88	54.7	811.8	3.78
225	44.0	52.3	851.3	3.78	55.8	828.7	3.68
235	44.7	53.5	866.8	3.69	56.9	844.4	3.59
245	45.4	54.7	881.3	3.60	58.2	859.0	3.51

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	B (59.0%)	% Crown Closure Supplied.	46.0
Species 2.....	HW (30.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (11.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	A	PSYU Special Cruise #....	301
Utilization Level 1.....	12.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	17.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	19.9	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
True Fir 65.0%, Western Hemlock 31.0%, Spruce 4.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT:	12.5+	VOLUME:	365.5	AGE:	141	MAI:	2.74
LIMIT:	17.5+	VOLUME:	374.7	AGE:	156	MAI:	2.60

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(12.5 cm+)		DIA (cm)	(17.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.5	0.0	0.0	0.00	0.0	0.0	0.00
15	1.0	0.0	0.0	0.00	0.0	0.0	0.00
25	3.3	0.0	0.0	0.00	0.0	0.0	0.00
35	5.7	16.0	0.1	0.00	20.5	0.1	0.00
45	8.0	17.5	1.0	0.02	21.9	0.7	0.02
55	10.0	17.4	47.6	0.87	21.1	11.8	0.21
65	12.3	18.9	105.7	1.63	22.6	69.3	1.07
75	14.0	20.1	150.4	2.00	23.8	116.5	1.55
85	15.6	21.4	191.0	2.25	25.0	159.0	1.87
95	17.0	22.6	228.0	2.40	26.2	197.2	2.08
105	18.4	23.9	261.8	2.49	27.4	231.6	2.21
115	19.7	25.2	292.7	2.55	28.6	262.8	2.28
125	20.8	26.5	321.7	2.57	29.9	292.1	2.34
135	22.0	27.8	349.6	2.59	31.2	320.7	2.38
145	23.0	29.1	375.7	2.59	32.4	347.4	2.40
155	24.0	30.4	400.0	2.58	33.8	372.3	2.40
165	24.9	31.7	422.8	2.56	35.1	395.7	2.40
175	25.7	32.9	444.2	2.54	36.3	417.6	2.39
185	26.6	33.9	464.3	2.51	37.3	438.2	2.37
195	27.3	34.9	483.2	2.48	38.2	457.6	2.35
205	28.1	35.7	500.9	2.44	39.0	475.8	2.32
215	28.7	36.5	517.7	2.41	39.7	493.0	2.29
225	29.4	37.2	533.5	2.37	40.3	509.2	2.26
235	30.0	37.9	548.4	2.33	41.0	524.5	2.23
245	30.6	38.8	562.6	2.30	41.8	539.0	2.20

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number... 1.0	Stand Height (m)..... <Not Used>
Core Version Number..... 6.4a	Stand Total Age..... <Not Used>
Species 1..... B (65.0%)	% Crown Closure Supplied. 60.0
Species 2..... HW (31.0%)	Measured Basal Area..... <Not Used>
Species 3..... S (4.0%)	Measured Basal Area Age.. <Not Used>
Method..... Air	Stocking Class..... 0
Forest Inventory Zone.... A	PSYU Special Cruise #.... 301
Utilization Level 1..... 12.5	PSYU Subcode/TFL Block... 0
Utilization Level 2..... 17.5	Starting Total Age..... 5
Adjustment Factor..... 1.00	Finishing Total Age..... 250
SI (BHA 50) Calc/Supplied 12.0	Age Increment..... 10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT	

Stand Volume and Diameter Table, Air Method
 Spruce 67.0%, Western Hemlock 19.0%, Poplar 14.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 12.5+ VOLUME: 493.8 AGE: 60 MAI: 8.66
 LIMIT: 17.5+ VOLUME: 503.9 AGE: 64 MAI: 8.40

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(12.5 cm+)		DIA (cm)	(17.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	1.0	0.0	0.0	0.00	0.0	0.0	0.00
15	4.9	16.1	28.5	1.90	20.8	15.4	1.03
25	11.1	20.5	118.3	4.73	24.7	88.4	3.54
35	17.2	24.5	246.1	7.03	28.3	213.2	6.09
45	22.6	28.9	356.4	7.92	32.1	331.1	7.36
55	27.3	32.9	451.6	8.21	35.4	429.1	7.80
65	31.4	36.5	532.8	8.20	38.6	511.6	7.87
75	34.8	39.7	601.9	8.03	41.6	581.1	7.75
85	37.7	42.7	659.7	7.76	44.5	639.7	7.53
95	40.2	45.3	706.7	7.44	47.3	688.9	7.25
105	42.4	47.7	746.2	7.11	49.9	730.7	6.96
115	44.3	50.0	779.5	6.78	52.5	766.3	6.66
125	45.9	52.0	810.1	6.48	55.0	798.3	6.39
135	47.4	53.9	840.3	6.22	57.0	829.0	6.14
145	48.6	55.7	867.2	5.98	58.8	856.3	5.91
155	49.8	57.2	890.8	5.75	60.3	880.3	5.68
165	50.8	58.3	911.7	5.53	61.5	901.5	5.46
175	51.7	59.3	930.7	5.32	62.6	920.9	5.26
185	52.5	60.3	948.1	5.12	63.7	938.2	5.07
195	53.2	61.2	964.1	4.94	64.7	954.1	4.89
205	53.9	62.1	978.9	4.78	65.7	968.8	4.73
215	54.5	63.0	992.6	4.62	66.6	982.5	4.57
225	55.0	63.8	1005.4	4.47	67.5	995.2	4.42
235	55.5	64.5	1017.3	4.33	68.4	1007.0	4.29
245	56.0	65.3	1028.5	4.20	69.2	1018.1	4.16

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	S (67.0%)	% Crown Closure Supplied.	52.0
Species 2.....	HW (19.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	AC (14.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	A	PSYU Special Cruise #....	301
Utilization Level 1.....	12.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	17.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	28.0	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
 Spruce 68.0%, Western Hemlock 22.0%, True Fir 10.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 12.5+ VOLUME: 484.9 AGE: 84 MAI: 5.93
 LIMIT: 17.5+ VOLUME: 495.4 AGE: 91 MAI: 5.71

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(12.5 cm+)		DIA (cm)	(17.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.8	0.0	0.0	0.00	0.0	0.0	0.00
15	2.7	14.3	10.7	0.71	0.0	0.0	0.00
25	6.2	16.9	41.5	1.66	21.4	28.5	1.14
35	9.9	19.2	126.2	3.61	23.7	80.8	2.31
45	13.6	21.9	214.3	4.76	25.9	179.5	3.99
55	17.0	24.6	294.1	5.35	28.4	263.0	4.78
65	20.1	27.1	366.7	5.64	30.8	337.6	5.19
75	22.9	29.5	432.3	5.76	32.9	404.3	5.39
85	25.5	31.7	490.3	5.77	35.0	463.4	5.45
95	27.7	33.8	540.5	5.69	37.0	515.4	5.43
105	29.7	35.7	584.7	5.57	38.9	561.4	5.35
115	31.5	37.4	623.6	5.42	40.8	602.0	5.24
125	33.1	39.0	659.9	5.28	42.5	639.6	5.12
135	34.6	40.6	695.4	5.15	44.1	675.9	5.01
145	35.9	42.0	727.8	5.02	45.6	708.9	4.89
155	37.1	43.4	757.5	4.89	46.9	739.1	4.77
165	38.1	44.6	784.6	4.76	48.3	766.9	4.65
175	39.1	45.8	809.7	4.63	49.5	792.4	4.53
185	40.0	46.9	832.8	4.50	50.6	816.0	4.41
195	40.8	47.9	854.2	4.38	51.7	837.8	4.30
205	41.5	48.9	874.0	4.26	52.7	858.1	4.19
215	42.2	49.8	892.6	4.15	53.7	877.0	4.08
225	42.8	50.6	909.9	4.04	54.6	894.7	3.98
235	43.4	51.4	926.1	3.94	55.4	911.3	3.88
245	43.9	52.2	941.3	3.84	56.3	926.9	3.78

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	S (68.0%)	% Crown Closure Supplied.	62.0
Species 2.....	HW (22.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	B (10.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	A	PSYU Special Cruise #....	301
Utilization Level 1.....	12.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	17.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	18.1	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
 Poplar 84.0%, Spruce 11.0%, Western Hemlock 5.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 177.4 AGE: 37 MAI: 6.15
 LIMIT: 22.5+ VOLUME: 168.5 AGE: 41 MAI: 5.43

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	3.9	0.0	0.0	0.00	0.0	0.0	0.00
15	15.5	24.9	4.5	0.30	26.7	3.5	0.23
25	24.6	26.3	111.5	4.46	30.1	84.2	3.37
35	30.9	30.8	170.0	4.86	34.2	147.2	4.21
45	35.3	34.9	203.8	4.53	38.0	183.7	4.08
55	38.4	38.7	232.1	4.22	41.5	213.4	3.88
65	40.8	42.3	252.5	3.88	44.8	235.0	3.62
75	42.6	45.7	267.8	3.57	47.9	251.4	3.35
85	44.0	48.8	279.6	3.29	50.8	264.2	3.11
95	45.1	51.9	288.9	3.04	53.5	274.6	2.89
105	46.0	54.9	296.5	2.82	56.2	283.1	2.70
115	46.8	57.9	302.8	2.63	58.9	290.4	2.52
125	47.4	60.8	308.5	2.47	61.5	296.9	2.37
135	47.9	63.7	313.7	2.32	64.1	303.0	2.24
145	48.4	66.5	318.5	2.20	66.7	308.5	2.13
155	48.8	67.8	321.0	2.07	68.0	311.5	2.01
165	49.1	67.9	321.5	1.95	68.1	312.2	1.89
175	49.4	68.0	322.0	1.84	68.2	312.9	1.79
185	49.7	68.1	322.5	1.74	68.3	313.5	1.69
195	49.9	68.1	322.9	1.66	68.3	314.1	1.61
205	50.2	68.2	323.3	1.58	68.4	314.7	1.54
215	50.3	68.2	323.7	1.51	68.4	315.2	1.47
225	50.5	68.3	324.1	1.44	68.5	315.7	1.40
235	50.7	68.3	324.4	1.38	68.5	316.2	1.35
245	50.8	68.4	324.8	1.33	68.6	316.7	1.29

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.
 NOTE: Species 'HW' Vol/Dia computed using Species Default SI of 35.00

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	AC (84.0%)	% Crown Closure Supplied.	83.0
Species 2.....	S (11.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	HW (5.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	A	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	37.6	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
 Poplar 89.0%, Spruce 7.0%, Western Hemlock 4.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 144.2 AGE: 52 MAI: 3.78
 LIMIT: 22.5+ VOLUME: 141.8 AGE: 58 MAI: 3.34

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	2.9	0.0	0.0	0.00	0.0	0.0	0.00
15	10.6	22.4	0.3	0.02	25.4	0.2	0.01
25	17.6	23.4	25.9	1.04	27.7	3.3	0.13
35	23.1	27.2	85.7	2.45	30.6	63.1	1.80
45	27.3	30.8	122.5	2.72	33.7	103.0	2.29
55	30.5	34.3	152.1	2.77	36.7	134.2	2.44
65	33.0	37.6	174.0	2.68	39.7	157.3	2.42
75	34.9	40.8	190.4	2.54	42.6	175.0	2.33
85	36.5	43.9	203.0	2.39	45.5	188.6	2.22
95	37.8	47.0	212.7	2.24	48.2	199.3	2.10
105	38.9	50.0	220.3	2.10	50.9	207.8	1.98
115	39.8	52.9	226.2	1.97	53.6	214.7	1.87
125	40.5	55.9	231.1	1.85	56.3	220.4	1.76
135	41.2	58.6	235.1	1.74	58.9	225.2	1.67
145	41.7	61.1	238.4	1.64	61.4	229.3	1.58
155	42.2	62.4	240.1	1.55	62.8	231.3	1.49
165	42.6	62.5	240.4	1.46	62.8	231.8	1.41
175	43.0	62.5	240.8	1.38	62.9	232.3	1.33
185	43.4	62.6	241.1	1.30	63.0	232.7	1.26
195	43.7	62.6	241.4	1.24	63.0	233.1	1.20
205	43.9	62.6	241.7	1.18	63.1	233.4	1.14
215	44.2	62.7	241.9	1.13	63.1	233.8	1.09
225	44.4	62.7	242.1	1.08	63.2	234.1	1.04
235	44.6	62.8	242.3	1.03	63.2	234.3	1.00
245	44.8	62.8	242.5	0.99	63.3	234.6	0.96

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number.... 1.0	Stand Height (m)..... <Not Used>
Core Version Number..... 6.4a	Stand Total Age..... <Not Used>
Species 1..... AC (89.0%)	% Crown Closure Supplied. 55.0
Species 2..... S (7.0%)	Measured Basal Area..... <Not Used>
Species 3..... HW (4.0%)	Measured Basal Area Age.. <Not Used>
Method..... Air	Stocking Class..... 0
Forest Inventory Zone.... A	PSYU Special Cruise #.... 169
Utilization Level 1..... 17.5	PSYU Subcode/TFL Block... 0
Utilization Level 2..... 22.5	Starting Total Age..... 5
Adjustment Factor..... 1.00	Finishing Total Age..... 250
SI (BHA 50) Calc/Supplied 29.6	Age Increment..... 10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT	

Stand Volume and Diameter Table, Air Method
 Poplar 84.0%, Spruce 13.0%, Western Hemlock 3.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 157.5 AGE: 87 MAI: 2.43
 LIMIT: 22.5+ VOLUME: 156.8 AGE: 98 MAI: 2.16

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(17.5 cm+)			(22.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	2.0	0.0	0.0	0.00	0.0	0.0	0.00
15	5.9	20.0	0.2	0.01	0.0	0.0	0.00
25	10.2	21.9	0.9	0.04	24.7	0.5	0.02
35	14.1	23.8	3.9	0.11	25.9	2.9	0.08
45	17.5	24.2	43.8	0.97	27.9	17.9	0.40
55	20.4	26.4	80.0	1.45	29.8	56.1	1.02
65	22.9	28.7	109.3	1.68	31.9	87.0	1.34
75	25.1	31.1	133.6	1.78	34.0	112.6	1.50
85	26.9	33.5	153.8	1.81	36.2	133.9	1.58
95	28.4	36.0	170.9	1.80	38.5	152.0	1.60
105	29.8	38.4	185.3	1.76	40.7	167.4	1.59
115	31.0	40.8	197.7	1.72	42.9	180.7	1.57
125	32.0	43.2	208.5	1.67	45.1	192.3	1.54
135	32.9	45.6	218.1	1.62	47.3	202.7	1.50
145	33.7	48.0	226.5	1.56	49.5	212.0	1.46
155	34.4	49.2	230.9	1.49	50.6	216.9	1.40
165	35.0	49.3	232.0	1.41	50.7	218.1	1.32
175	35.6	49.4	233.0	1.33	50.8	219.2	1.25
185	36.1	49.4	234.0	1.26	50.9	220.2	1.19
195	36.6	49.5	234.8	1.20	51.0	221.2	1.13
205	37.0	49.6	235.6	1.15	51.0	222.1	1.08
215	37.4	49.6	236.4	1.10	51.1	222.9	1.04
225	37.7	49.7	237.1	1.05	51.1	223.8	0.99
235	38.1	49.7	237.8	1.01	51.2	224.5	0.96
245	38.4	49.8	238.5	0.97	51.2	225.2	0.92

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number... 1.0	Stand Height (m)..... <Not Used>
Core Version Number..... 6.4a	Stand Total Age..... <Not Used>
Species 1..... AC (84.0%)	% Crown Closure Supplied. 65.0
Species 2..... S (13.0%)	Measured Basal Area..... <Not Used>
Species 3..... HW (3.0%)	Measured Basal Area Age.. <Not Used>
Method..... Air	Stocking Class..... 0
Forest Inventory Zone.... A	PSYU Special Cruise #.... 169
Utilization Level 1..... 17.5	PSYU Subcode/TFL Block... 0
Utilization Level 2..... 22.5	Starting Total Age..... 5
Adjustment Factor..... 1.00	Finishing Total Age..... 250
SI (BHA 50) Calc/Supplied 19.6	Age Increment..... 10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT	

Stand Volume and Diameter Table, Air Method
Western Hemlock 72.0%, True Fir 18.0%, Western Red Cedar 10.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT:	17.5+	VOLUME:	458.8	AGE:	97	MAI:	5.06
LIMIT:	22.5+	VOLUME:	546.2	AGE:	132	MAI:	4.59

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	1.2	0.0	0.0	0.00	0.0	0.0	0.00
15	6.3	0.0	0.0	0.00	0.0	0.0	0.00
25	12.9	20.0	1.2	0.05	0.0	0.0	0.00
35	18.7	20.6	54.4	1.55	25.3	17.4	0.50
45	23.7	22.4	144.4	3.21	26.9	90.2	2.00
55	28.0	24.3	222.8	4.05	28.8	157.9	2.87
65	31.7	26.4	291.9	4.49	30.7	221.3	3.41
75	34.9	28.6	353.1	4.71	32.8	280.9	3.75
85	37.7	30.9	406.2	4.78	35.0	335.8	3.95
95	40.2	33.2	450.7	4.74	37.2	384.9	4.05
105	42.4	35.7	489.5	4.66	39.6	430.4	4.10
115	44.3	38.2	523.4	4.55	41.9	472.6	4.11
125	46.1	40.7	556.7	4.45	44.4	515.0	4.12
135	47.7	43.2	591.2	4.38	46.7	558.5	4.14
145	49.1	45.4	621.8	4.29	48.8	597.7	4.12
155	50.5	47.4	646.4	4.17	50.8	634.1	4.09
165	51.7	49.4	668.4	4.05	52.6	660.2	4.00
175	52.8	51.2	688.6	3.94	54.4	681.9	3.90
185	53.8	53.0	707.4	3.82	56.1	702.1	3.80
195	54.8	54.7	724.7	3.72	57.8	720.9	3.70
205	55.6	56.7	740.8	3.61	59.7	738.5	3.60
215	56.5	58.6	755.5	3.51	61.6	753.9	3.51
225	57.2	60.6	769.2	3.42	63.4	768.2	3.41
235	57.9	62.5	782.1	3.33	65.3	781.6	3.33
245	58.6	64.3	794.0	3.24	67.1	794.0	3.24

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

NOTE: Species 'HW' Vol/Dia computed using Species Default SI of 20.00

NOTE: Species 'B' Vol/Dia computed using Species Default SI of 20.00

NOTE: Species 'CW' Vol/Dia computed using Species Default SI of 20.00

TABLE PROPERTIES:

WinVDYP Version Number... 1.0	Stand Height (m)..... <Not Used>
Core Version Number..... 6.4a	Stand Total Age..... <Not Used>
Species 1..... HW (72.0%)	% Crown Closure Supplied. 50.0
Species 2..... B (18.0%)	Measured Basal Area..... <Not Used>
Species 3..... CW (10.0%)	Measured Basal Area Age.. <Not Used>
Method..... Air	Stocking Class..... 0
Forest Inventory Zone.... J	PSYU Special Cruise #.... 169
Utilization Level 1..... 17.5	PSYU Subcode/TFL Block... 0
Utilization Level 2..... 22.5	Starting Total Age..... 5
Adjustment Factor..... 1.00	Finishing Total Age..... 250
SI (BHA 50) Calc/Supplied 28.2	Age Increment..... 10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT	

Stand Volume and Diameter Table, Air Method
Western Hemlock 71.0%, True Fir 22.0%, Spruce 7.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 435.3 AGE: 99 MAI: 4.67
LIMIT: 22.5+ VOLUME: 510.4 AGE: 131 MAI: 4.23

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	1.0	0.0	0.0	0.00	0.0	0.0	0.00
15	3.8	0.0	0.0	0.00	0.0	0.0	0.00
25	7.9	19.8	1.1	0.04	0.0	0.0	0.00
35	11.8	20.3	37.4	1.07	25.8	7.6	0.22
45	15.4	21.9	124.1	2.76	26.4	74.6	1.66
55	18.5	23.6	199.1	3.62	28.0	139.3	2.53
65	21.2	25.4	265.0	4.08	29.7	199.6	3.07
75	23.7	27.3	323.3	4.31	31.5	256.0	3.41
85	25.9	29.4	374.5	4.41	33.4	308.3	3.63
95	27.8	31.5	419.0	4.41	35.4	356.4	3.75
105	29.6	33.7	458.4	4.37	37.4	401.3	3.82
115	31.2	35.9	493.5	4.29	39.6	443.4	3.86
125	32.6	38.2	527.0	4.22	41.7	484.9	3.88
135	33.9	40.3	559.7	4.15	43.7	525.7	3.89
145	35.2	42.2	588.6	4.06	45.5	562.1	3.88
155	36.3	44.0	612.8	3.95	47.2	595.6	3.84
165	37.3	45.7	633.7	3.84	48.8	624.0	3.78
175	38.2	47.2	652.6	3.73	50.2	643.8	3.68
185	39.1	48.7	670.0	3.62	51.6	661.9	3.58
195	40.0	50.1	685.9	3.52	53.0	678.6	3.48
205	40.7	51.8	700.5	3.42	54.6	694.4	3.39
215	41.4	53.5	714.0	3.32	56.2	709.0	3.30
225	42.1	55.2	726.5	3.23	57.9	722.0	3.21
235	42.7	56.9	738.0	3.14	59.5	733.6	3.12
245	43.3	58.7	748.7	3.06	61.2	744.4	3.04

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	HW (71.0%)	% Crown Closure Supplied.	55.0
Species 2.....	B (22.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (7.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	J	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	19.0	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
Western Hemlock 74.0%, True Fir 19.0%, Spruce 7.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT:	17.5+	VOLUME:	332.3	AGE:	131	MAI:	2.75
LIMIT:	22.5+	VOLUME:	359.4	AGE:	159	MAI:	2.45

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(17.5 cm+)			(22.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.9	0.0	0.0	0.00	0.0	0.0	0.00
15	2.8	0.0	0.0	0.00	0.0	0.0	0.00
25	5.2	0.0	0.0	0.00	0.0	0.0	0.00
35	7.8	19.6	0.8	0.02	0.0	0.0	0.00
45	10.2	20.6	7.0	0.16	25.2	2.5	0.05
55	12.4	21.1	58.4	1.06	25.8	22.5	0.41
65	14.3	22.3	108.2	1.66	26.8	63.2	0.97
75	16.1	23.6	152.7	2.04	28.1	102.8	1.37
85	17.7	24.9	192.5	2.26	29.3	140.1	1.65
95	19.1	26.4	227.8	2.40	30.7	175.0	1.84
105	20.4	27.9	259.7	2.47	32.1	207.9	1.98
115	21.6	29.4	288.5	2.51	33.6	239.0	2.08
125	22.7	31.0	315.9	2.53	35.1	269.5	2.16
135	23.7	32.5	342.3	2.54	36.5	299.3	2.22
145	24.6	33.7	365.8	2.52	37.6	325.8	2.25
155	25.5	34.8	387.4	2.50	38.6	350.2	2.26
165	26.3	35.8	406.9	2.47	39.5	372.5	2.26
175	27.0	36.7	424.5	2.43	40.3	392.7	2.24
185	27.7	37.5	440.2	2.38	41.0	410.8	2.22
195	28.4	38.3	455.1	2.33	41.8	428.5	2.20
205	29.0	39.3	470.2	2.29	42.8	447.0	2.18
215	29.6	40.4	484.8	2.25	43.8	465.3	2.16
225	30.1	41.5	498.8	2.22	44.8	483.3	2.15
235	30.6	42.6	512.3	2.18	45.9	499.4	2.13
245	31.1	43.7	525.4	2.14	47.0	512.8	2.09

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	HW (74.0%)	% Crown Closure Supplied.	59.0
Species 2.....	B (19.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (7.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	J	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	12.9	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
Western Hemlock 63.0%, True Fir 33.0%, Spruce 4.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 395.0 AGE: 113 MAI: 3.76
LIMIT: 22.5+ VOLUME: 441.0 AGE: 142 MAI: 3.37

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.9	0.0	0.0	0.00	0.0	0.0	0.00
15	3.3	0.0	0.0	0.00	0.0	0.0	0.00
25	6.6	19.1	0.6	0.02	0.0	0.0	0.00
35	10.0	20.3	12.1	0.34	24.9	4.2	0.12
45	13.0	20.9	76.6	1.70	25.5	34.6	0.77
55	15.8	22.3	140.8	2.56	26.8	88.9	1.62
65	18.2	23.7	197.7	3.04	28.1	139.7	2.15
75	20.3	25.3	248.5	3.31	29.6	187.4	2.50
85	22.3	27.0	293.7	3.46	31.1	231.9	2.73
95	24.0	28.7	333.5	3.51	32.7	273.1	2.87
105	25.6	30.5	369.1	3.52	34.4	311.7	2.97
115	27.0	32.3	401.2	3.49	36.1	347.9	3.03
125	28.3	34.2	431.8	3.45	37.8	383.6	3.07
135	29.5	35.9	461.8	3.42	39.4	418.7	3.10
145	30.6	37.4	488.6	3.37	40.8	450.3	3.11
155	31.6	38.8	513.3	3.31	42.2	479.6	3.09
165	32.6	40.1	535.8	3.25	43.4	506.6	3.07
175	33.5	41.3	555.1	3.17	44.5	531.4	3.04
185	34.3	42.5	572.9	3.10	45.5	554.0	2.99
195	35.0	43.6	589.5	3.02	46.6	575.9	2.95
205	35.7	45.0	605.0	2.95	47.9	592.9	2.89
215	36.4	46.3	619.5	2.88	49.2	608.3	2.83
225	37.0	47.7	633.1	2.81	50.5	622.9	2.77
235	37.6	49.1	645.8	2.75	51.9	636.6	2.71
245	38.2	50.6	657.5	2.68	53.2	649.7	2.65

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	HW (63.0%)	% Crown Closure Supplied.	68.0
Species 2.....	B (33.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (4.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	J	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	16.3	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
Western Hemlock 74.0%, True Fir 20.0%, Western Red Cedar 6.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT:	17.5+	VOLUME:	408.0	AGE:	117	MAI:	3.82
LIMIT:	22.5+	VOLUME:	454.9	AGE:	146	MAI:	3.43

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.9	0.0	0.0	0.00	0.0	0.0	0.00
15	3.3	0.0	0.0	0.00	0.0	0.0	0.00
25	6.5	19.0	0.2	0.01	0.0	0.0	0.00
35	9.9	20.0	7.0	0.20	24.9	2.0	0.06
45	12.9	20.7	70.0	1.55	25.3	27.7	0.62
55	15.6	22.0	136.6	2.48	26.6	83.0	1.51
65	17.9	23.6	195.5	3.01	28.0	134.8	2.07
75	20.1	25.2	248.2	3.31	29.5	183.7	2.45
85	22.0	26.9	294.7	3.47	31.2	229.3	2.70
95	23.7	28.7	334.8	3.52	32.9	271.0	2.85
105	25.3	30.6	370.4	3.53	34.6	310.0	2.95
115	26.7	32.5	402.1	3.50	36.4	346.4	3.01
125	28.0	34.5	432.7	3.46	38.3	382.6	3.06
135	29.2	36.3	463.4	3.43	40.0	419.0	3.10
145	30.3	37.9	490.8	3.38	41.6	451.8	3.12
155	31.3	39.5	515.9	3.33	43.0	482.1	3.11
165	32.2	40.9	538.7	3.26	44.3	510.1	3.09
175	33.1	42.2	558.6	3.19	45.5	535.7	3.06
185	33.9	43.4	576.3	3.12	46.6	559.0	3.02
195	34.7	44.6	592.9	3.04	47.8	581.9	2.98
205	35.4	46.0	608.4	2.97	49.2	601.4	2.93
215	36.0	47.5	622.9	2.90	50.6	616.7	2.87
225	36.6	48.9	636.5	2.83	52.0	631.1	2.81
235	37.2	50.4	649.3	2.76	53.4	644.8	2.74
245	37.8	51.8	661.1	2.70	54.8	657.7	2.68

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number... 1.0	Stand Height (m)..... <Not Used>
Core Version Number..... 6.4a	Stand Total Age..... <Not Used>
Species 1..... HW (74.0%)	% Crown Closure Supplied. 69.0
Species 2..... B (20.0%)	Measured Basal Area..... <Not Used>
Species 3..... CW (6.0%)	Measured Basal Area Age.. <Not Used>
Method..... Air	Stocking Class..... 0
Forest Inventory Zone.... J	PSYU Special Cruise #.... 169
Utilization Level 1..... 17.5	PSYU Subcode/TFL Block... 0
Utilization Level 2..... 22.5	Starting Total Age..... 5
Adjustment Factor..... 1.00	Finishing Total Age..... 250
SI (BHA 50) Calc/Supplied 16.1	Age Increment..... 10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT	

Stand Volume and Diameter Table, Air Method
Western Hemlock 66.0%, True Fir 31.0%, Western Red Cedar 3.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 313.6 AGE: 138 MAI: 2.48
LIMIT: 22.5+ VOLUME: 328.2 AGE: 167 MAI: 2.15

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(17.5 cm+)			(22.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.8	0.0	0.0	0.00	0.0	0.0	0.00
15	2.7	0.0	0.0	0.00	0.0	0.0	0.00
25	4.8	0.0	0.0	0.00	0.0	0.0	0.00
35	7.3	19.1	1.3	0.04	0.0	0.0	0.00
45	9.5	19.8	9.3	0.21	24.7	2.0	0.04
55	11.5	20.5	46.5	0.84	25.3	10.3	0.19
65	13.3	21.5	92.0	1.42	26.1	47.2	0.73
75	14.9	22.7	132.5	1.77	27.2	82.5	1.10
85	16.4	23.8	168.8	1.99	28.3	115.7	1.36
95	17.8	25.1	201.1	2.12	29.5	146.6	1.54
105	19.0	26.4	230.2	2.19	30.7	175.7	1.67
115	20.1	27.8	256.6	2.23	32.0	203.2	1.77
125	21.1	29.1	281.9	2.25	33.3	230.2	1.84
135	22.1	30.4	306.7	2.27	34.4	256.9	1.90
145	23.0	31.5	329.0	2.27	35.4	281.1	1.94
155	23.8	32.4	349.6	2.26	36.3	303.5	1.96
165	24.6	33.3	368.5	2.23	37.1	324.3	1.97
175	25.3	34.0	385.7	2.20	37.7	343.4	1.96
185	25.9	34.7	401.3	2.17	38.4	360.9	1.95
195	26.5	35.5	416.2	2.13	39.0	377.9	1.94
205	27.1	36.4	431.2	2.10	39.9	395.5	1.93
215	27.7	37.3	445.7	2.07	40.8	412.8	1.92
225	28.2	38.3	459.7	2.04	41.7	429.8	1.91
235	28.7	39.2	473.3	2.01	42.6	446.5	1.90
245	29.1	40.2	486.4	1.99	43.5	462.9	1.89

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number... 1.0	Stand Height (m)..... <Not Used>
Core Version Number..... 6.4a	Stand Total Age..... <Not Used>
Species 1..... HW (66.0%)	% Crown Closure Supplied. 70.0
Species 2..... B (31.0%)	Measured Basal Area..... <Not Used>
Species 3..... CW (3.0%)	Measured Basal Area Age.. <Not Used>
Method..... Air	Stocking Class..... 0
Forest Inventory Zone.... J	PSYU Special Cruise #.... 169
Utilization Level 1..... 17.5	PSYU Subcode/TFL Block... 0
Utilization Level 2..... 22.5	Starting Total Age..... 5
Adjustment Factor..... 1.00	Finishing Total Age..... 250
SI (BHA 50) Calc/Supplied 12.0	Age Increment..... 10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT	

Stand Volume and Diameter Table, Air Method
Western Hemlock 78.0%, True Fir 20.0%, Spruce 2.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 290.1 AGE: 138 MAI: 2.28
LIMIT: 22.5+ VOLUME: 298.9 AGE: 165 MAI: 1.97

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.8	0.0	0.0	0.00	0.0	0.0	0.00
15	2.7	0.0	0.0	0.00	0.0	0.0	0.00
25	4.8	0.0	0.0	0.00	0.0	0.0	0.00
35	7.3	19.1	0.5	0.01	0.0	0.0	0.00
45	9.5	20.0	4.8	0.11	24.7	1.0	0.02
55	11.5	20.5	37.0	0.67	25.5	5.7	0.10
65	13.3	21.5	80.1	1.23	26.2	39.2	0.60
75	14.9	22.7	118.5	1.58	27.2	72.2	0.96
85	16.4	23.9	153.0	1.80	28.4	103.3	1.22
95	17.8	25.2	183.7	1.93	29.6	132.5	1.39
105	19.0	26.6	211.5	2.01	30.9	160.1	1.52
115	20.1	28.0	236.7	2.06	32.2	186.2	1.62
125	21.1	29.5	260.6	2.09	33.6	211.9	1.70
135	22.1	30.8	283.8	2.10	34.8	236.9	1.75
145	23.0	31.9	304.4	2.10	35.8	259.3	1.79
155	23.8	32.8	323.3	2.09	36.7	280.0	1.81
165	24.6	33.7	340.5	2.06	37.5	298.9	1.81
175	25.3	34.5	355.9	2.03	38.2	316.1	1.81
185	25.9	35.1	369.7	2.00	38.8	331.7	1.79
195	26.5	35.8	382.8	1.96	39.4	346.7	1.78
205	27.1	36.7	396.2	1.93	40.3	362.5	1.77
215	27.7	37.7	409.1	1.90	41.2	378.0	1.76
225	28.2	38.6	421.6	1.87	42.1	393.4	1.75
235	28.7	39.6	433.7	1.85	43.0	408.5	1.74
245	29.1	40.6	445.4	1.82	44.0	423.3	1.73

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	HW (78.0%)	% Crown Closure Supplied.	69.0
Species 2.....	B (20.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (2.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	J	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	12.0	Age Increment.....	10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT			

Stand Volume and Diameter Table, Air Method
True Fir 64.0%, Western Hemlock 35.0%, Spruce 1.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 382.9 AGE: 99 MAI: 4.10
LIMIT: 22.5+ VOLUME: 454.0 AGE: 130 MAI: 3.78

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	1.0	0.0	0.0	0.00	0.0	0.0	0.00
15	5.8	0.0	0.0	0.00	0.0	0.0	0.00
25	12.5	19.6	5.5	0.22	0.0	0.0	0.00
35	18.1	21.5	40.8	1.17	25.9	21.6	0.62
45	22.9	22.6	115.0	2.55	26.9	75.8	1.68
55	27.0	24.4	178.0	3.24	28.5	133.7	2.43
65	30.6	26.3	236.9	3.65	30.2	190.0	2.92
75	33.6	28.2	286.0	3.81	31.9	238.8	3.18
85	36.3	30.1	329.7	3.88	33.7	284.0	3.34
95	38.6	32.0	368.5	3.88	35.4	325.5	3.43
105	40.7	34.0	403.4	3.84	37.2	364.2	3.47
115	42.6	36.0	434.9	3.78	39.0	400.3	3.48
125	44.3	38.0	463.9	3.71	40.8	435.7	3.49
135	45.9	39.8	492.8	3.65	42.4	471.1	3.49
145	47.3	41.5	519.3	3.58	43.9	503.8	3.47
155	48.6	43.0	543.9	3.51	45.4	534.6	3.45
165	49.8	44.5	566.8	3.43	46.7	563.5	3.41
175	50.8	45.9	587.9	3.36	47.9	587.5	3.36
185	51.9	47.2	607.3	3.28	49.1	606.9	3.28
195	52.8	48.6	625.7	3.21	50.4	625.3	3.21
205	53.7	50.1	644.0	3.14	51.8	643.5	3.14
215	54.5	51.6	660.7	3.07	53.2	660.2	3.07
225	55.2	53.1	676.4	3.01	54.6	675.8	3.00
235	55.9	54.7	691.2	2.94	56.0	690.7	2.94
245	56.6	56.2	705.3	2.88	57.4	704.8	2.88

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

NOTE: Species 'B' Vol/Dia computed using Species Default SI of 20.00

NOTE: Species 'HW' Vol/Dia computed using Species Default SI of 20.00

NOTE: Species 'S' Vol/Dia computed using Species Default SI of 25.00

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	B (64.0%)	% Crown Closure Supplied.	49.0
Species 2.....	HW (35.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (1.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	J	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	27.8	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
True Fir 63.0%, Western Hemlock 35.0%, Spruce 2.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 375.2 AGE: 99 MAI: 4.02
LIMIT: 22.5+ VOLUME: 444.6 AGE: 130 MAI: 3.70

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.7	0.0	0.0	0.00	0.0	0.0	0.00
15	2.9	0.0	0.0	0.00	0.0	0.0	0.00
25	7.9	19.7	5.1	0.21	0.0	0.0	0.00
35	12.4	21.5	39.0	1.12	25.9	20.2	0.58
45	16.4	22.7	112.2	2.49	27.0	73.8	1.64
55	19.9	24.5	174.5	3.17	28.6	130.9	2.38
65	23.1	26.4	232.4	3.58	30.4	186.2	2.87
75	25.8	28.3	280.5	3.74	32.1	234.1	3.12
85	28.2	30.3	323.3	3.80	33.8	278.4	3.28
95	30.3	32.2	361.1	3.80	35.6	319.1	3.36
105	32.3	34.2	395.2	3.76	37.4	356.9	3.40
115	34.1	36.2	425.2	3.70	39.2	392.2	3.41
125	35.7	38.2	453.2	3.63	41.1	426.8	3.41
135	37.2	40.1	481.2	3.56	42.7	461.3	3.42
145	38.5	41.7	506.8	3.49	44.2	493.2	3.40
155	39.8	43.3	530.5	3.42	45.7	523.1	3.37
165	41.0	44.8	552.5	3.35	47.0	551.2	3.34
175	42.0	46.2	572.8	3.27	48.3	571.9	3.27
185	43.1	47.6	591.4	3.20	49.5	590.4	3.19
195	44.0	49.0	609.1	3.12	50.8	608.0	3.12
205	44.9	50.5	626.5	3.06	52.1	625.4	3.05
215	45.7	52.0	642.8	2.99	53.5	641.7	2.98
225	46.5	53.5	657.7	2.92	54.9	656.6	2.92
235	47.2	55.0	671.8	2.86	56.4	670.7	2.85
245	47.9	56.5	685.3	2.80	57.8	684.2	2.79

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

NOTE: Species 'B' Vol/Dia computed using Species Default SI of 20.00

NOTE: Species 'HW' Vol/Dia computed using Species Default SI of 20.00

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	B (63.0%)	% Crown Closure Supplied.	44.0
Species 2.....	HW (35.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (2.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	J	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	21.5	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
True Fir 68.0%, Western Hemlock 29.0%, Spruce 3.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 303.9 AGE: 165 MAI: 1.99
LIMIT: 22.5+ VOLUME: 387.8 AGE: 231 MAI: 1.82

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(17.5 cm+)			(22.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.4	0.0	0.0	0.00	0.0	0.0	0.00
15	1.2	0.0	0.0	0.00	0.0	0.0	0.00
25	2.5	0.0	0.0	0.00	0.0	0.0	0.00
35	4.9	0.0	0.0	0.00	0.0	0.0	0.00
45	7.1	19.3	7.2	0.16	0.0	0.0	0.00
55	9.1	20.2	24.2	0.44	24.9	5.2	0.10
65	11.0	21.0	48.9	0.75	25.8	22.1	0.34
75	13.0	22.1	90.0	1.20	26.7	51.4	0.69
85	14.5	23.2	120.7	1.42	27.6	80.1	0.94
95	16.0	24.3	148.5	1.56	28.6	107.1	1.13
105	17.3	25.5	174.2	1.66	29.7	132.8	1.26
115	18.6	26.7	198.0	1.72	30.8	157.2	1.37
125	19.7	27.8	220.9	1.77	31.9	181.2	1.45
135	20.8	28.9	243.6	1.80	32.8	204.9	1.52
145	21.8	29.8	264.8	1.83	33.7	227.4	1.57
155	22.8	30.7	284.9	1.84	34.4	248.8	1.61
165	23.7	31.5	303.9	1.84	35.2	269.2	1.63
175	24.6	32.3	321.8	1.84	35.8	288.7	1.65
185	25.4	33.0	338.8	1.83	36.5	307.1	1.66
195	26.1	33.9	355.0	1.82	37.2	325.0	1.67
205	26.8	34.8	370.9	1.81	38.0	342.9	1.67
215	27.5	35.7	386.4	1.80	38.8	360.5	1.68
225	28.2	36.6	401.3	1.78	39.7	377.7	1.68
235	28.8	37.6	415.7	1.77	40.6	394.5	1.68
245	29.4	38.6	429.5	1.75	41.5	411.0	1.68

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	B (68.0%)	% Crown Closure Supplied.	61.0
Species 2.....	HW (29.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	S (3.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	J	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	11.5	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
Spruce 62.0%, Western Hemlock 21.0%, Poplar 17.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 341.3 AGE: 80 MAI: 4.64
LIMIT: 22.5+ VOLUME: 352.6 AGE: 91 MAI: 4.24

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.5	0.0	0.0	0.00	0.0	0.0	0.00
15	2.2	0.0	0.0	0.00	0.0	0.0	0.00
25	8.4	0.0	0.0	0.00	0.0	0.0	0.00
35	15.2	21.7	21.3	0.61	0.0	0.0	0.00
45	21.0	23.7	119.5	2.66	27.6	78.7	1.75
55	25.7	26.1	202.3	3.68	29.7	160.6	2.92
65	29.5	28.4	267.8	4.12	31.8	227.9	3.51
75	32.6	30.6	319.6	4.26	33.8	283.2	3.78
85	35.0	32.7	360.6	4.24	35.7	329.0	3.87
95	36.9	34.7	393.2	4.14	37.6	367.0	3.86
105	38.6	36.6	419.4	3.99	39.4	399.2	3.80
115	39.9	38.5	440.6	3.83	41.2	426.6	3.71
125	41.0	40.3	459.0	3.67	42.9	451.3	3.61
135	42.0	42.0	475.3	3.52	44.5	471.1	3.49
145	42.8	43.4	488.5	3.37	45.8	486.1	3.35
155	43.5	44.5	499.2	3.22	46.9	498.2	3.21
165	44.1	45.4	507.6	3.08	47.8	506.6	3.07
175	44.6	46.2	514.6	2.94	48.5	513.6	2.93
185	45.1	46.8	520.3	2.81	49.1	519.3	2.81
195	45.5	47.5	525.2	2.69	49.8	523.6	2.68
205	45.9	48.2	529.8	2.58	50.5	527.9	2.58
215	46.2	49.0	533.9	2.48	51.3	532.1	2.48
225	46.5	49.8	537.6	2.39	52.1	536.1	2.38
235	46.8	50.6	540.8	2.30	52.9	539.8	2.30
245	47.0	51.4	543.7	2.22	53.7	542.7	2.21

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

NOTE: Species 'S' Vol/Dia computed using Species Default SI of 25.00

NOTE: Species 'HW' Vol/Dia computed using Species Default SI of 20.00

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	S (62.0%)	% Crown Closure Supplied.	46.0
Species 2.....	HW (21.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	AC (17.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	J	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	28.5	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
Spruce 69.0%, Western Hemlock 22.0%, Poplar 9.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 344.1 AGE: 94 MAI: 3.93
LIMIT: 22.5+ VOLUME: 368.9 AGE: 111 MAI: 3.60

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.5	0.0	0.0	0.00	0.0	0.0	0.00
15	1.5	0.0	0.0	0.00	0.0	0.0	0.00
25	4.7	0.0	0.0	0.00	0.0	0.0	0.00
35	9.1	0.0	0.0	0.00	0.0	0.0	0.00
45	13.3	21.6	56.8	1.26	25.8	17.6	0.39
55	17.2	23.5	139.4	2.53	27.5	91.0	1.66
65	20.5	25.5	207.6	3.19	29.3	160.7	2.47
75	23.4	27.4	263.7	3.52	31.0	219.7	2.93
85	25.8	29.3	309.8	3.64	32.8	269.8	3.17
95	27.8	31.2	347.5	3.66	34.5	312.6	3.29
105	29.6	33.0	378.7	3.61	36.2	349.3	3.33
115	31.0	34.7	404.6	3.52	37.8	381.1	3.31
125	32.3	36.5	427.2	3.42	39.4	409.8	3.28
135	33.4	38.0	447.6	3.32	40.9	434.7	3.22
145	34.4	39.3	465.0	3.21	42.1	454.6	3.14
155	35.2	40.4	479.6	3.09	43.2	470.7	3.04
165	36.0	41.3	491.6	2.98	44.0	483.1	2.93
175	36.6	42.0	502.0	2.87	44.7	491.8	2.81
185	37.2	42.7	510.7	2.76	45.3	497.3	2.69
195	37.7	43.3	517.9	2.66	46.0	502.1	2.57
205	38.2	44.1	524.6	2.56	46.7	508.3	2.48
215	38.6	44.9	530.7	2.47	47.5	514.1	2.39
225	39.0	45.6	536.1	2.38	48.3	519.6	2.31
235	39.4	46.4	541.0	2.30	49.1	524.7	2.23
245	39.7	47.2	545.5	2.23	49.9	529.6	2.16

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.
NOTE: Species 'HW' Vol/Dia computed using Species Default SI of 20.00

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	S (69.0%)	% Crown Closure Supplied.	53.0
Species 2.....	HW (22.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	AC (9.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	J	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	20.1	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
Spruce 73.0%, Western Hemlock 20.0%, Poplar 7.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 316.5 AGE: 145 MAI: 2.37
LIMIT: 22.5+ VOLUME: 301.2 AGE: 152 MAI: 2.16

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.4	0.0	0.0	0.00	0.0	0.0	0.00
15	1.1	0.0	0.0	0.00	0.0	0.0	0.00
25	2.3	0.0	0.0	0.00	0.0	0.0	0.00
35	4.4	0.0	0.0	0.00	0.0	0.0	0.00
45	6.8	0.0	0.0	0.00	0.0	0.0	0.00
55	9.4	0.0	0.0	0.00	0.0	0.0	0.00
65	11.8	21.1	33.7	0.52	26.2	4.0	0.06
75	14.1	22.3	85.3	1.14	26.6	36.8	0.49
85	16.2	23.8	130.8	1.54	27.9	83.6	0.98
95	18.1	25.2	171.2	1.80	29.3	126.1	1.33
105	19.9	26.7	207.0	1.97	30.6	164.6	1.57
115	21.5	28.2	238.6	2.07	32.0	199.7	1.74
125	22.9	29.7	267.1	2.14	33.4	232.1	1.86
135	24.2	31.1	293.2	2.17	34.7	261.2	1.93
145	25.3	32.3	316.5	2.18	35.8	285.9	1.97
155	26.4	33.2	336.8	2.17	36.7	307.0	1.98
165	27.3	34.1	354.4	2.15	37.4	324.5	1.97
175	28.2	34.8	370.1	2.11	38.1	339.1	1.94
185	29.0	35.4	384.1	2.08	38.6	350.7	1.90
195	29.7	36.0	396.8	2.03	39.2	361.3	1.85
205	30.4	36.7	408.5	1.99	39.9	372.4	1.82
215	31.0	37.5	419.4	1.95	40.6	382.8	1.78
225	31.5	38.2	429.3	1.91	41.4	392.0	1.74
235	32.0	39.0	438.4	1.87	42.1	400.6	1.70
245	32.5	39.7	446.8	1.82	42.9	408.6	1.67

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number... 1.0	Stand Height (m)..... <Not Used>
Core Version Number..... 6.4a	Stand Total Age..... <Not Used>
Species 1..... S (73.0%)	% Crown Closure Supplied. 57.0
Species 2..... HW (20.0%)	Measured Basal Area..... <Not Used>
Species 3..... AC (7.0%)	Measured Basal Area Age.. <Not Used>
Method..... Air	Stocking Class..... 0
Forest Inventory Zone.... J	PSYU Special Cruise #.... 169
Utilization Level 1..... 17.5	PSYU Subcode/TFL Block... 0
Utilization Level 2..... 22.5	Starting Total Age..... 5
Adjustment Factor..... 1.00	Finishing Total Age..... 250
SI (BHA 50) Calc/Supplied 12.3	Age Increment..... 10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT	

Stand Volume and Diameter Table, Air Method
Lodgepole Pine 74.0%, Western Hemlock 21.0%, Spruce 5.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 373.4 AGE: 125 MAI: 3.09
LIMIT: 22.5+ VOLUME: 331.9 AGE: 131 MAI: 2.62

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(17.5 cm+)			(22.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.8	0.0	0.0	0.00	0.0	0.0	0.00
15	4.0	0.0	0.0	0.00	0.0	0.0	0.00
25	8.4	0.0	0.0	0.00	0.0	0.0	0.00
35	12.3	20.2	13.0	0.37	0.0	0.0	0.00
45	15.4	21.3	66.6	1.48	25.9	29.6	0.66
55	18.0	22.4	116.2	2.11	26.7	67.1	1.22
65	20.0	23.5	161.8	2.49	27.5	104.8	1.61
75	21.7	24.6	203.7	2.72	28.3	141.9	1.89
85	23.0	25.6	242.4	2.85	29.1	178.1	2.10
95	24.2	26.7	278.1	2.93	29.8	213.2	2.24
105	25.2	27.7	311.6	2.97	30.6	247.3	2.36
115	26.0	28.8	343.1	2.98	31.4	280.5	2.44
125	26.7	29.8	373.4	2.99	32.1	313.1	2.50
135	27.3	30.7	397.7	2.95	32.8	341.7	2.53
145	27.8	31.4	412.2	2.84	33.2	362.9	2.50
155	28.3	32.1	423.5	2.73	33.7	379.5	2.45
165	28.7	32.6	431.4	2.61	34.0	391.4	2.37
175	29.1	33.1	436.1	2.49	34.3	398.7	2.28
185	29.4	33.4	437.6	2.37	34.5	400.9	2.17
195	29.7	33.7	438.9	2.25	34.7	402.2	2.06
205	30.0	34.1	442.8	2.16	35.0	406.3	1.98
215	30.2	34.4	446.8	2.08	35.4	410.4	1.91
225	30.4	34.8	450.9	2.00	35.7	414.1	1.84
235	30.6	35.2	454.8	1.94	36.1	417.5	1.78
245	30.8	35.6	458.6	1.87	36.5	420.5	1.72

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number... 1.0	Stand Height (m)..... <Not Used>
Core Version Number..... 6.4a	Stand Total Age..... <Not Used>
Species 1..... PL (74.0%)	% Crown Closure Supplied. 50.0
Species 2..... HW (21.0%)	Measured Basal Area..... <Not Used>
Species 3..... S (5.0%)	Measured Basal Area Age.. <Not Used>
Method..... Air	Stocking Class..... 0
Forest Inventory Zone.... J	PSYU Special Cruise #.... 169
Utilization Level 1..... 17.5	PSYU Subcode/TFL Block... 0
Utilization Level 2..... 22.5	Starting Total Age..... 5
Adjustment Factor..... 1.00	Finishing Total Age..... 250
SI (BHA 50) Calc/Supplied 18.6	Age Increment..... 10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT	

Stand Volume and Diameter Table, Air Method
Lodgepole Pine 82.0%, Western Hemlock 17.0%, Aspen 1.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 240.1 AGE: 132 MAI: 1.88
LIMIT: 22.5+ VOLUME: 192.7 AGE: 145 MAI: 1.38

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	DIA (cm)	(17.5 cm+)		DIA (cm)	(22.5 cm+)	
			VOL (m**3/ha)	MAI (m**3/ha/yr)		VOL (m**3/ha)	MAI (m**3/ha/yr)
5	0.7	0.0	0.0	0.00	0.0	0.0	0.00
15	2.6	0.0	0.0	0.00	0.0	0.0	0.00
25	5.4	0.0	0.0	0.00	0.0	0.0	0.00
35	8.1	0.0	0.0	0.00	0.0	0.0	0.00
45	10.5	19.7	0.4	0.01	0.0	0.0	0.00
55	12.5	20.3	27.8	0.51	25.4	2.4	0.04
65	14.2	21.0	59.8	0.92	25.8	22.5	0.35
75	15.7	21.7	90.5	1.21	26.4	44.9	0.60
85	16.9	22.5	119.9	1.41	26.9	67.7	0.80
95	18.0	23.2	147.8	1.56	27.5	90.5	0.95
105	18.9	23.9	174.4	1.66	28.0	113.2	1.08
115	19.8	24.7	199.8	1.74	28.6	135.6	1.18
125	20.5	25.4	224.4	1.79	29.1	157.9	1.26
135	21.1	26.1	245.5	1.82	29.6	177.7	1.32
145	21.6	26.6	261.1	1.80	29.9	192.7	1.33
155	22.1	27.0	273.2	1.76	30.1	204.3	1.32
165	22.6	27.3	281.9	1.71	30.3	212.8	1.29
175	22.9	27.5	287.1	1.64	30.4	218.0	1.25
185	23.3	27.7	288.9	1.56	30.5	220.0	1.19
195	23.6	27.9	290.2	1.49	30.6	221.2	1.13
205	23.9	28.2	293.6	1.43	30.8	224.1	1.09
215	24.2	28.5	296.9	1.38	31.0	226.7	1.05
225	24.4	28.9	300.1	1.33	31.2	229.1	1.02
235	24.7	29.2	303.0	1.29	31.5	231.1	0.98
245	24.9	29.6	305.6	1.25	31.7	232.6	0.95

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	PL (82.0%)	% Crown Closure Supplied.	71.0
Species 2.....	HW (17.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	AT (1.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	J	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	13.2	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
Poplar 77.0%, Spruce 15.0%, Western Hemlock 8.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 193.7 AGE: 53 MAI: 4.78
LIMIT: 22.5+ VOLUME: 193.4 AGE: 60 MAI: 4.26

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(17.5 cm+)			(22.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	2.9	0.0	0.0	0.00	0.0	0.0	0.00
15	11.1	0.0	0.0	0.00	0.0	0.0	0.00
25	18.3	23.2	33.6	1.34	27.3	3.3	0.13
35	23.9	26.4	109.1	3.12	30.0	79.9	2.28
45	28.1	29.7	160.1	3.56	32.9	133.4	2.96
55	31.3	33.0	200.9	3.65	35.8	176.1	3.20
65	33.7	36.2	231.4	3.56	38.6	208.6	3.21
75	35.7	39.2	254.4	3.39	41.4	234.0	3.12
85	37.3	42.2	271.5	3.19	44.1	254.2	2.99
95	38.5	45.1	285.0	3.00	46.7	270.5	2.85
105	39.6	48.0	295.7	2.82	49.3	284.0	2.70
115	40.5	50.8	304.3	2.65	51.9	294.8	2.56
125	41.2	53.6	311.5	2.49	54.4	303.3	2.43
135	41.8	56.1	317.8	2.35	56.9	310.5	2.30
145	42.4	58.5	322.9	2.23	59.3	316.1	2.18
155	42.9	59.8	325.9	2.10	60.5	319.3	2.06
165	43.3	60.0	327.1	1.98	60.7	320.6	1.94
175	43.6	60.1	328.1	1.87	60.8	321.4	1.84
185	44.0	60.2	328.9	1.78	60.9	321.6	1.74
195	44.3	60.3	329.6	1.69	61.0	321.7	1.65
205	44.5	60.4	330.4	1.61	61.1	322.1	1.57
215	44.8	60.6	331.1	1.54	61.3	322.5	1.50
225	45.0	60.7	331.8	1.47	61.4	323.0	1.44
235	45.2	60.9	332.4	1.41	61.6	323.4	1.38
245	45.4	61.0	332.8	1.36	61.8	323.8	1.32

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

NOTE: Species 'S' Vol/Dia computed using Species Default SI of 25.00

NOTE: Species 'HW' Vol/Dia computed using Species Default SI of 20.00

TABLE PROPERTIES:

WinVDYP Version Number...	1.0	Stand Height (m).....	<Not Used>
Core Version Number.....	6.4a	Stand Total Age.....	<Not Used>
Species 1.....	AC (77.0%)	% Crown Closure Supplied.	53.0
Species 2.....	S (15.0%)	Measured Basal Area.....	<Not Used>
Species 3.....	HW (8.0%)	Measured Basal Area Age..	<Not Used>
Method.....	Air	Stocking Class.....	0
Forest Inventory Zone....	J	PSYU Special Cruise #....	169
Utilization Level 1.....	17.5	PSYU Subcode/TFL Block...	0
Utilization Level 2.....	22.5	Starting Total Age.....	5
Adjustment Factor.....	1.00	Finishing Total Age.....	250
SI (BHA 50) Calc/Supplied	30.4	Age Increment.....	10
Waste and Breakage File..	C:\VDYP\VDYP_CFG\WBS.DAT		

Stand Volume and Diameter Table, Air Method
 Poplar 74.0%, Spruce 16.0%, Western Hemlock 10.0%

VOLUMES ARE PER HECTARE

QUADRATIC STAND DIAMETERS

CULMINATION VALUES

LIMIT: 17.5+ VOLUME: 208.1 AGE: 89 MAI: 3.05
 LIMIT: 22.5+ VOLUME: 214.9 AGE: 102 MAI: 2.76

CLOSE UTILIZATION LESS DECAY, WASTE 2 & BREAKAGE VOLUME

TOT AGE	HT (m)	(17.5 cm+)			(22.5 cm+)		
		DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)	DIA (cm)	VOL (m**3/ha)	MAI (m**3/ha/yr)
5	2.0	0.0	0.0	0.00	0.0	0.0	0.00
15	5.7	0.0	0.0	0.00	0.0	0.0	0.00
25	9.8	0.0	0.0	0.00	0.0	0.0	0.00
35	13.6	20.8	4.8	0.14	24.9	0.5	0.01
45	16.9	23.5	49.8	1.11	27.5	12.8	0.29
55	19.8	25.6	98.9	1.80	29.4	66.1	1.20
65	22.3	27.8	138.6	2.13	31.4	108.7	1.67
75	24.4	30.1	171.3	2.28	33.5	144.1	1.92
85	26.3	32.5	198.5	2.34	35.6	173.9	2.05
95	27.8	34.9	221.3	2.33	37.8	199.3	2.10
105	29.2	37.3	240.5	2.29	40.0	221.1	2.11
115	30.4	39.7	256.8	2.23	42.3	240.0	2.09
125	31.5	42.2	270.3	2.16	44.5	256.8	2.05
135	32.4	44.6	282.2	2.09	46.6	271.6	2.01
145	33.2	46.9	292.5	2.02	48.7	284.1	1.96
155	33.9	48.1	298.3	1.92	49.8	291.1	1.88
165	34.6	48.3	300.4	1.82	50.0	293.4	1.78
175	35.2	48.4	302.2	1.73	50.2	295.0	1.69
185	35.7	48.5	303.7	1.64	50.3	296.0	1.60
195	36.2	48.7	305.0	1.56	50.4	296.7	1.52
205	36.6	48.8	306.4	1.49	50.5	297.7	1.45
215	37.0	49.0	307.7	1.43	50.7	298.7	1.39
225	37.4	49.2	308.9	1.37	50.9	299.7	1.33
235	37.7	49.3	309.8	1.32	51.1	300.6	1.28
245	38.0	49.5	310.6	1.27	51.2	301.3	1.23

NOTE: Culmination Age and MAI determined from Net Decay Volumes only.

TABLE PROPERTIES:

WinVDYP Version Number... 1.0	Stand Height (m)..... <Not Used>
Core Version Number..... 6.4a	Stand Total Age..... <Not Used>
Species 1..... AC (74.0%)	% Crown Closure Supplied. 54.0
Species 2..... S (16.0%)	Measured Basal Area..... <Not Used>
Species 3..... HW (10.0%)	Measured Basal Area Age.. <Not Used>
Method..... Air	Stocking Class..... 0
Forest Inventory Zone.... J	PSYU Special Cruise #.... 169
Utilization Level 1..... 17.5	PSYU Subcode/TFL Block... 0
Utilization Level 2..... 22.5	Starting Total Age..... 5
Adjustment Factor..... 1.00	Finishing Total Age..... 250
SI (BHA 50) Calc/Supplied 19.0	Age Increment..... 10
Waste and Breakage File.. C:\VDYP\VDYP_CFG\WBS.DAT	

APPENDIX II

Site Index Adjustment for Old-growth Western Hemlock Stands in the Kalum Forest District



**STERLING WOOD
GROUP INC.**

**Site Index Adjustment for Old-growth
Coastal Western Hemlock Stands
in the Kalum Forest District**

Gordon D. Nigh and Bobby A. Love



Ministry of Forests Research Program

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ABSTRACT

Inventory information indicates that the average site index of old-growth western hemlock (*Tsuga heterophylla* (Raf.) Sarg.) leading stands in the CWH portion of the Kalum Timber Supply Area is 13.3 m. Field observations by many foresters suggest that second-growth stands are performing much better than the inventory information indicates. Therefore, a study was conducted to examine the change in estimated site index when old-growth hemlock stands are harvested and regenerated to managed hemlock. The site indices of old-growth stands were compared to those of regenerated stands by spatial (paired plot technique) and temporal (relocated temporary sample plot) methods. Site indices measured in the managed stands were 11.3 m greater than those measured in the old-growth stands. The application of the results is discussed.

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1 INTRODUCTION

Based on inventory information, the average estimated site index for old-growth¹ western hemlock (*Tsuga heterophylla* (Raf.) Sarg.) leading stands in the Kalum Timber Supply Area (TSA) (Coastal Western Hemlock [CWH] biogeoclimatic zone only) is 13.3 m (minimum 8.2 m; maximum 25.4 m). The maritime influence of this area (Banner et al. 1993) and casual field observations suggest to many foresters that the true average site index is much higher. An increase in the estimated site indices could have major impacts on forest management decisions. For example, higher site indices may lead to increased long-term timber supply because estimated future mean annual increments and timber volumes will be greater. Based on promising results from other related research (Goudie 1996), a study was undertaken to investigate the reliability of the estimated site indices from old-growth hemlock stands. There were two closely related objectives to this study:

1. Quantify the change (increase or decrease) in estimated site index when an old-growth hemlock stand is harvested and the replacement hemlock stand is managed; and
2. If the site index changes, derive a site index adjustment for old-growth stands for forest-level planning.

A distinction needs to be made between site productivity, site index, and estimated site index. Site productivity is the capacity of land to produce timber volume (Vanclay 1992). Site index, which is the top height of a stand at breast height age 50, is used as a measure of potential site productivity. The productivity of a site and hence the true site index should not change significantly when an old-growth stand is harvested. However, the estimated site index may change when the replacement stand is managed. This is because our ability to estimate site index depends on the condition of both the stand and the trees in the stand, either of which may change drastically after harvesting. The most common problem in estimating site index for most species is selecting and measuring inappropriate site trees in old-growth stands, such as those with early suppression or excessive top damage. A serious problem in a few species, most notably lodgepole pine (*Pinus contorta* spp. *latifolia*), is excessive density after wildfire (Goudie 1996) reducing dominant height growth. These problems lead to underestimated site indices. Good forest management should reduce the occurrence of these problems and hence bias in site index, but it does not ensure that they are eliminated.

2 DATA

The purpose of the sampling was to locate plot pairs spatially or temporally on sites of equal inherent productivity so that the estimated site index of old-growth and managed regenerated stands could be directly compared. We assume that the estimated site index in the managed stand plot reflects the inherent productivity of the plot pair. Because of the difficulty in establishing a sampling frame, the sample selection process does not follow any pre-defined design, and therefore does not follow any conventional selection process such as simple random sampling (Kish 1965).

¹ An old-growth stand is defined as an age class 8 or 9 stand; that is, a stand over 140 years in total age.

2.1 Paired Plot Installation

Potential sampling locations were identified from forest cover maps and from field reconnaissance. Potential locations consisted of adjacent old-growth and managed western hemlock leading stands in the CWH portion of the Kalum TSA, Tree Farm Licence (TFL) 1, and TFL 41. The potential locations were visited and the boundary between the old-growth and managed stands was checked to ensure that three plot pairs could be successfully established. If the boundary passed the preliminary check, the three plot pairs were established systematically along the stand boundary at a minimum 50 m interval. If any plot pair establishment was initially unsuccessful, then further attempts were made at 25 m intervals until a pair was successfully established (Figure 1 illustrates an example installation). One sample is composed of the three plot pairs.

One plot of each pair was established 20 m perpendicular to the stand boundary in the old-growth stand and the other plot was established 40 m perpendicular to the stand boundary in the managed stand. The increased distance helped minimize edge effects. If an old-growth plot could not be established for any reason, up to two 20-m offsets further into the stand were permitted to increase the chance of successfully establishing a pair. All six plots had to be in the same site series or similar site series complexes. The rigorous plot pairing ensured that all plots were on sites with similar inherent site productivity, otherwise the resulting site index adjustments may be biased.

Plot installation commenced once the plot pair was located. The plots had 10.75-m radii. The three largest-diameter, vigorous trees that were free of suppression and mechanical, insect, or disease damage were chosen as the site trees (exception: suppression, rot, and top damage not clearly visible was acceptable in the old-growth trees). The managed stand sample trees had at least five years of height growth above breast height. Sample trees were felled and their height and breast height age were recorded. Breast height age is the number of annual growth rings at breast height. Disks were taken from the old-growth trees for ring counting in the laboratory. Species composition and density were calculated from dot tallies. In the managed stands, tallies were taken by species and 2-cm diameter class in a 5.64-m radius sub-plot. Tallies were done by species and 5-cm diameter class in the old-growth plots using the full plot. Managed stand plots with estimated establishment densities above 10 000 stems per ha were unacceptable as sample plots because of the possibility of height growth repression in the sample trees. A full ecological description (Luttmerding et al. 1990) was done at each plot.

2.2 Temporary Sample Plot Re-establishment

Temporary sample plots (TSPs) established in old-growth western hemlock leading stands in the CWH portion of the Kalum TSA, TFL 1, and TFL 41 were identified. Of these TSPs, only plots harvested and regenerated with western hemlock and with heights and breast height ages recorded on the TSP tally sheets for the site index sample trees were identified for potential TSP re-establishment. These potential samples were relocated from photos and access notes. If the current stand was western hemlock leading and the site trees were above five years breast height age at the TSP location, then managed stand site index sample plots were established and measured, as described above.

In total, 25 paired plot samples were established and measured: 12 were established in the summer and fall of 1994 and the remainder were done in the summer and fall of 1995. The field crew carrying out the work in 1995 checked the plots established in 1994. They recommended that one sample be

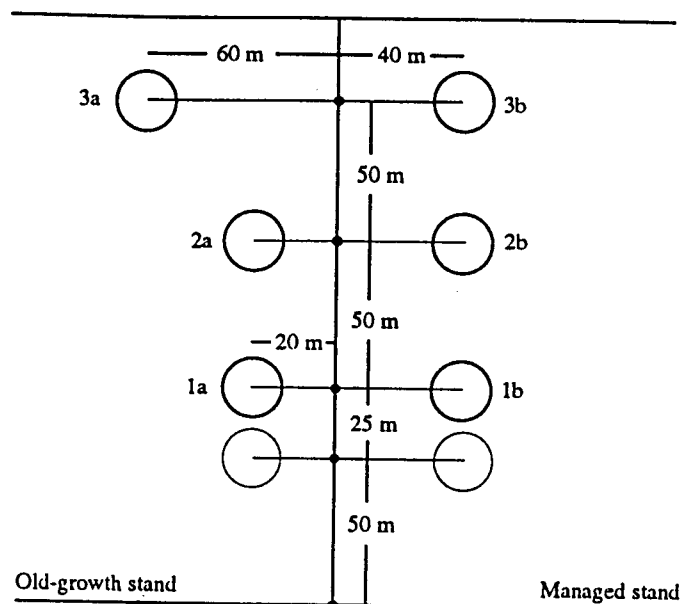


FIGURE 1 Example paired plot installation. Plot pair 1 was moved 25 m further along the stand boundary because the first attempt at establishing a plot pair was unsuccessful (due to improper site series matching, poor site trees, etc.). Plot 3a was offset twice (20 m each time) before a successful matching was accomplished.

rejected because of suppression in the managed stand plots and another sample be rejected because of highly variable site series, which cast doubt on the suitability of the matching of the productivity of the plots. In addition to rejecting the two samples, some sample trees and plots were rejected because of suppression or excessive rot, which made ring counting impossible.

In addition to the 23 paired plot samples, five TSPs were re-established and measured in the summer and fall of 1995. Therefore, there were 28 observations available for analysis. The samples ranged in elevation from approximately 150 to 800 m (average: 400 m), their slopes ranged from approximately 0 to 90% (average: 35%), and they had aspects that included all four quadrants of the compass and flat.

3 METHODS

All data were entered into a spreadsheet and checked against the field cards for errors in data entry and in calculating heights from clinometer measurements. The heights and breast height ages of the sample trees in the old-growth plots were averaged and the site index was estimated from the coastal western hemlock height-breast height age model (Wiley 1978). In the managed stand plots, site index was estimated for each sample tree with the growth intercept model for western hemlock (Nigh 1996). The site indices from the sample trees within each plot were then averaged to give a site index for the plot. The old-growth site indices (SI_O), heights, breast height ages, and the managed stand site indices (SI_M) were averaged by sample, and the difference in site index, $\Delta SI (= SI_M - SI_O)$, was calculated.

The change in site index (ΔSI) was plotted against the old-growth site index, height, and breast height age to detect trends in the changes. As well, SI was regressed against the same variables in an attempt to establish an adjustment equation. The potential adjustment equations were:

$$\Delta SI = a + b SI_O \quad (1)$$

$$\Delta SI = a + b H_O \quad (2)$$

$$\Delta SI = a + b BHA_O \quad (3)$$

where: H_O = average height (m) of the old-growth sample,
 BHA_O = average breast height age (years) of the old-growth sample,
 a, b = model parameters to be estimated by linear regression, and
all other variables are as previously defined.

All analyses assumed that the data were collected by simple random sampling.

4 RESULTS

Table 1 presents summary statistics for the 28 samples. Tables 2 and 3 present the same information by sample type (paired plot or TSP) and biogeoclimatic site series, respectively.

Figure 2 shows the managed stand site indices plotted against the old-growth site indices. The line in the graph shows the relationship that would occur if the managed stand site indices were the same as the old-growth site indices. Data points above this line indicate that the managed stand site index is greater than the old-growth site index, the opposite being the case for points below the line. Note that all points are above the line. Figures 3, 4, 5, and 6 are plots of the change in site index against the old-growth site index, height, breast height age, and biogeoclimatic site series, respectively.

The results of the analysis of the three potential adjustment equations are in Table 4. None of the explanatory variables (old-growth site index, height, and breast height age) had any statistically significant predictive ability. The data were then analyzed using a paired t-test. The average difference in site index between the managed stand plots and the old-growth stand plots is 11.3 m (number of observations = 28; standard deviation = 2.96 m; standard error of the mean = 0.559; $t [H_0: \text{no change in site index}] = 20.12 \Rightarrow p \leq 0.0001$). This indicates that the managed stand site indices are statistically significantly greater than the old-growth site indices.

TABLE 1 *Sample summary statistics*

		n	Mean	Std. dev.	Range	
					Min.	Max.
Managed stand	Height (m)	28	8.7	2.12	5.4	14.6
	bha (yrs)	28	16	4.41	6	24
	SI (m @ bha 50)	28	24.9	3.45	17.1	34.3
Old-growth stand	Height (m)	28	34.3	5.88	21.0	45.3
	bha (yrs)	28	300	77.7	151	435
	SI (m @ bha 50)	28	13.7	2.26	9.5	18.0

TABLE 2 *Sample summary statistics by sample type*

			n	Mean	Std. dev.	Range	
						Min.	Max.
Paired plots	Managed stand	Height (m)	23	8.7	2.16	5.4	14.6
		bha (yrs)	23	16	4.36	6	24
		si (m @ bha 50)	23	24.7	3.47	17.1	34.3
	Old-growth stand	Height (m)	23	34.6	4.81	26.7	45.3
		bha (yrs)	23	316	70.6	151	435
		si (m @ bha 50)	23	13.5	2.07	9.5	16.7
TSPs	Managed stand	Height (m)	5	9.2	2.12	5.6	10.7
		bha (yrs)	5	16	5.18	10	24
		si (m @ bha 50)	5	25.9	3.58	20.5	29.8
	Old-growth stand	Height (m)	5	33.0	10.17	21.0	45.0
		bha (yrs)	5	225	69.3	155	315
		si (m @ bha 50)	5	14.3	3.20	10.3	18.0

TABLE 3 Sample summary statistics by biogeoclimatic site series

			n	Mean	Std. dev.	Range	
						Min.	Max.
CWHws1/01	Managed stand	Height (m)	11	8.4	1.65	5.4	10.7
		bha (yrs)	11	15	5.12	6	24
		st (m @ bha 50)	11	25.7	4.20	19.5	34.3
	Old-growth stand	Height (m)	11	34.0	6.73	21.0	45.0
		bha (yrs)	11	312	78.0	155	431
		st (m @ bha 50)	11	13.3	2.59	9.5	18.0
CWHws1/01(03)	Managed stand	Height (m)	1	10.1	-	-	-
		bha (yrs)	1	20	-	-	-
		st (m @ bha 50)	1	23.4	-	-	-
	Old-growth stand	Height (m)	1	31.3	-	-	-
		bha (yrs)	1	151	-	-	-
		st (m @ bha 50)	1	16.0	-	-	-
CWHws1/01(04)	Managed stand	Height (m)	2	8.9	0.58	8.5	9.3
		bha (yrs)	2	16	1.10	15	17
		st (m @ bha 50)	2	25.1	2.55	23.3	26.9
	Old-growth stand	Height (m)	2	41.6	5.28	37.9	45.3
		bha (yrs)	2	378	80.8	320	435
		st (m @ bha 50)	2	15.7	1.46	14.6	16.7
CWHws1/01(10)	Managed stand	Height (m)	1	6.1	-	-	-
		bha (yrs)	1	18	-	-	-
		st (m @ bha 50)	1	17.1	-	-	-
	Old-growth stand	Height (m)	1	28.8	-	-	-
		bha (yrs)	1	297	-	-	-
		st (m @ bha 50)	1	10.9	-	-	-
CWHws1/03	Managed stand	Height (m)	4	8.6	2.74	5.6	11.4
		bha (yrs)	4	17	5.86	10	24
		st (m @ bha 50)	4	23.7	2.15	21.7	26.3
	Old-growth stand	Height (m)	4	31.7	6.14	24.0	39.0
		bha (yrs)	4	260	83.7	155	356
		st (m @ bha 50)	4	13.1	2.34	11.4	16.5
CWHws1/04	Managed stand	Height (m)	3	9.0	1.59	7.5	10.7
		bha (yrs)	3	15	4.50	12	20
		st (m @ bha 50)	3	27.0	2.49	24.1	28.6
	Old-growth stand	Height (m)	3	35.4	2.90	32.2	37.9
		bha (yrs)	3	287	57.9	253	354
		st (m @ bha 50)	3	14.1	0.79	13.3	14.8

TABLE 3 *Continued*

			n	Mean	Std. dev.	Range	
						Min.	Max.
CWHws1/04(01)	Managed stand	Height (m)	1	14.6	-	-	-
		bha (yrs)	1	24	-	-	-
		st (m @ bha 50)	1	27.7	-	-	-
	Old-growth stand	Height (m)	1	41.3	-	-	-
		bha (yrs)	1	311	-	-	-
		st (m @ bha 50)	1	16.4	-	-	-
CWHws1/05	Managed stand	Height (m)	1	12.4	-	-	-
		bha (yrs)	1	21	-	-	-
		st (m @ bha 50)	1	25.9	-	-	-
	Old-growth stand	Height (m)	1	32.9	-	-	-
		bha (yrs)	1	269	-	-	-
		st (m @ bha 50)	1	13.3	-	-	-
CWHws2/01	Managed stand	Height (m)	2	7.9	0.84	7.3	8.5
		bha (yrs)	2	15	0.55	14	15
		st (m @ bha 50)	2	24.6	1.26	23.7	25.5
	Old-growth stand	Height (m)	2	33.5	9.55	26.7	40.2
		bha (yrs)	2	351	78.5	295	406
		st (m @ bha 50)	2	12.4	3.13	10.2	14.6
CWHws2/01(04)	Managed stand	Height (m)	2	7.1	1.10	6.3	7.9
		bha (yrs)	2	15	1.89	13	16
		st (m @ bha 50)	2	22.5	0.87	21.9	23.1
	Old-growth stand	Height (m)	2	35.3	0.80	34.7	35.9
		bha (yrs)	2	290	113.6	210	371
		st (m @ bha 50)	2	14.3	2.36	12.6	16.0

TABLE 4 *Results of the analysis of potential adjustment equations*

Equation	Root MSE	R ²	Parameter	Estimate	Std. error
$\Delta SI = a + b SI_O$	2.983	0.022	a	13.9	3.51
			b	-0.192	0.254
$\Delta SI = a + b H_O$	3.01	0.006	a	12.6	3.43
			b	-0.0394	0.0984
$\Delta SI = a + b BHA_O$	3.013	0.002	a	10.7	2.31
			b	0.00179	0.00746

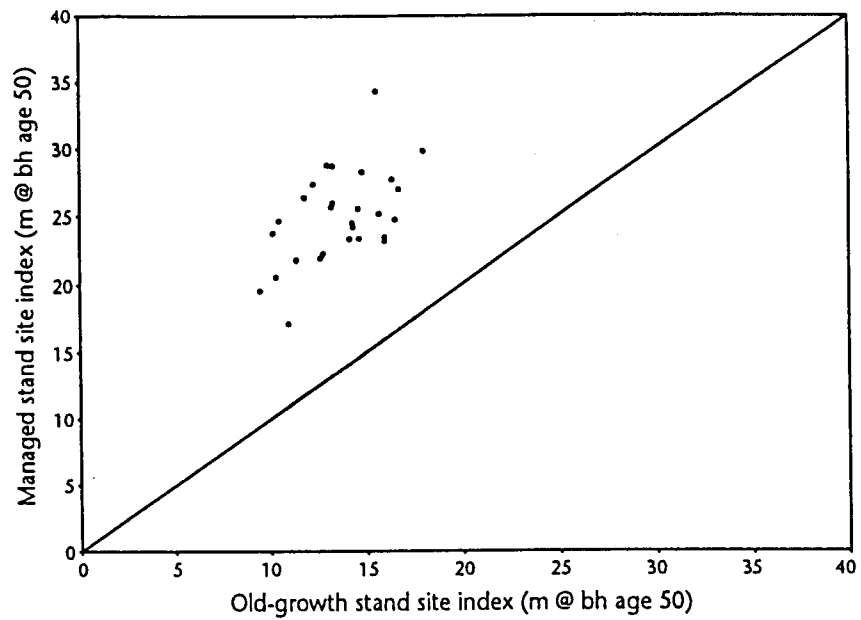


FIGURE 2 Plot of managed stand site indices against old-growth stand site indices(*). The 45° line indicates where the managed stand site index is the same as the old-growth stand site index; that is, no adjustment in site index is apparent.

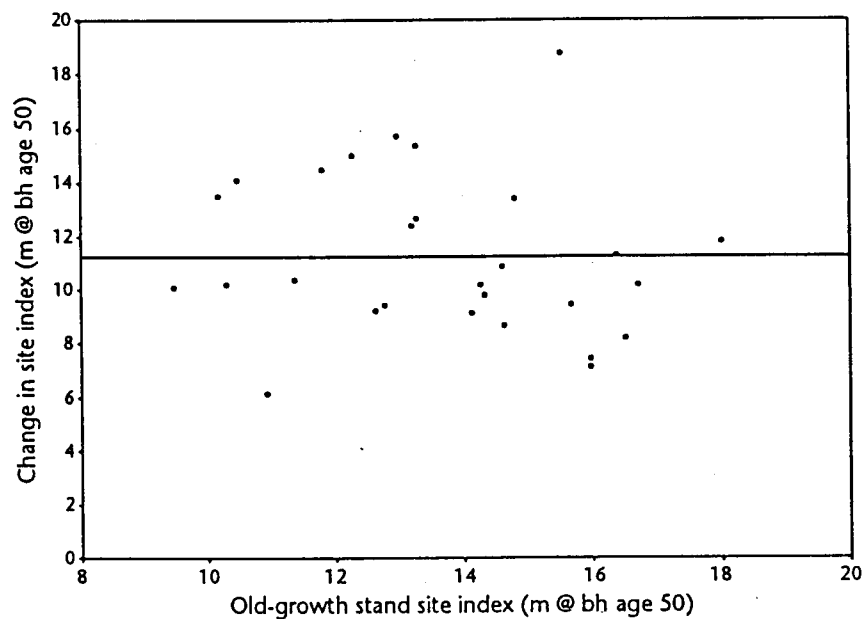


FIGURE 3 Plot of increase in site index against old-growth site index (*). Average increase is indicated by the line.

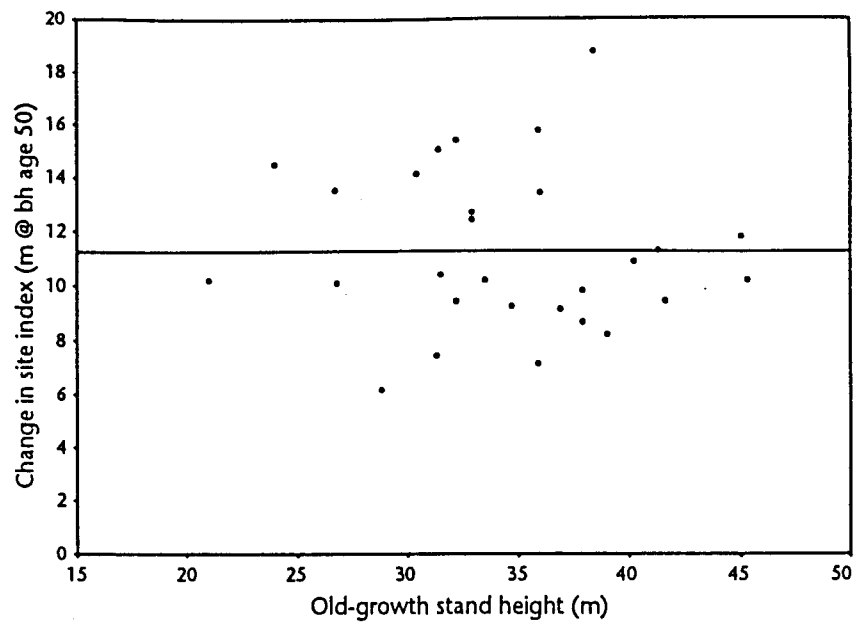


FIGURE 4 Plot of increase in site index against old-growth height (*).
Average increase is indicated by the line.

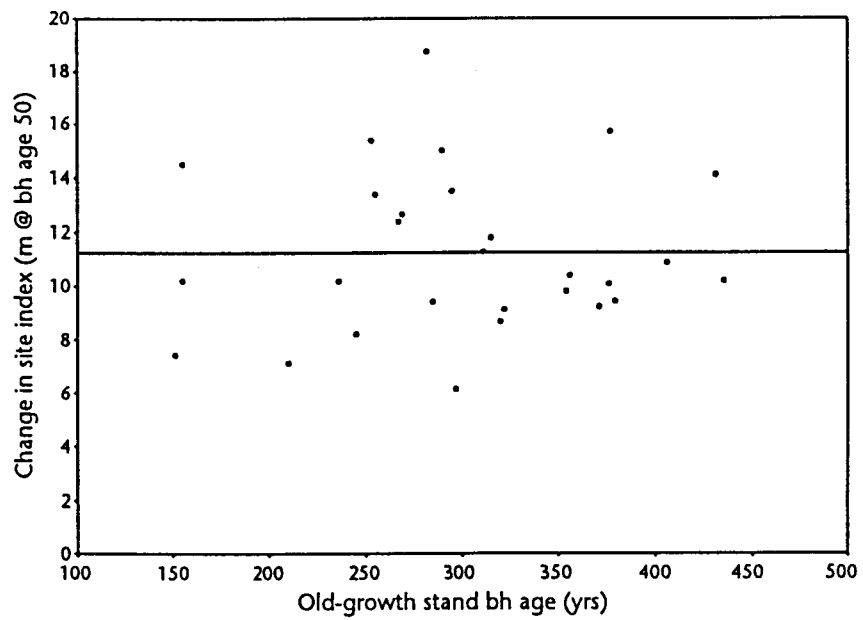


FIGURE 5 Plot of increase in site index against old-growth breast height age (*).
Average increase is indicated by the line.

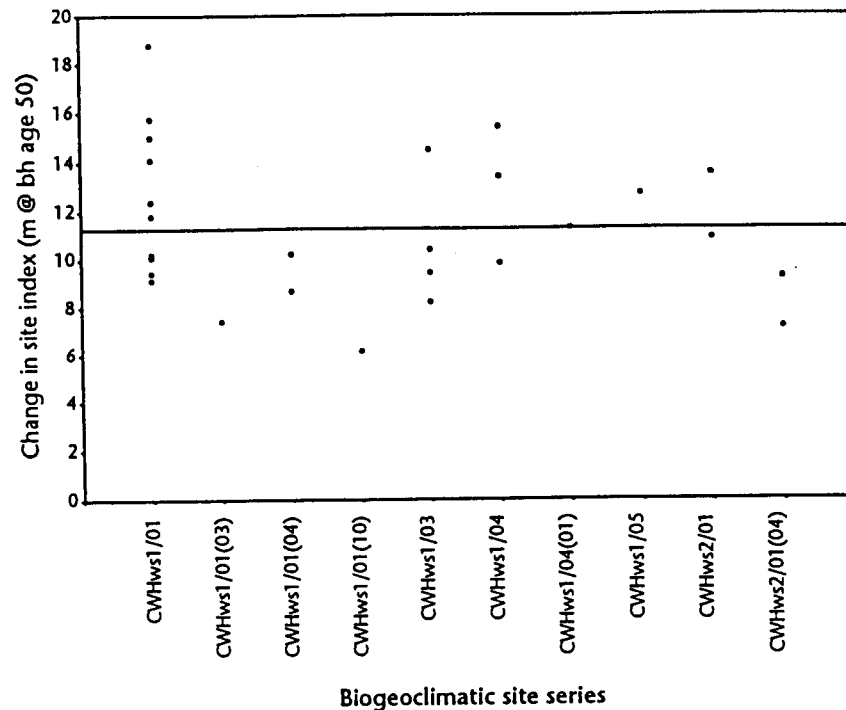


FIGURE 6 Plot of increase in site index against biogeoclimatic site series (•). Average increase is indicated by the line.

5 DISCUSSION

The results of this study indicate that the old-growth site indices in the CWH portion of the Kalum TSA, TFL 1, and TFL 41 underestimate the managed stand site indices by 11.3 m, a substantial bias. The average old-growth stand site index from the inventory (13.3 m) is approximately the same as the average old-growth site index from this study (13.7 m). The minimum site index from the two sources is also approximately the same (8.2 versus 9.5 m), although the maximum site index is somewhat higher from the inventory (25.4 versus 18 m). Therefore, the old-growth site indices from the samples in this study roughly reflect the inventory site indices.

There are many factors that could contribute to the underestimation of site index in old-growth stands. Some of these factors are:

1. Suppression in the top-height trees, which results in the trees under-achieving their growth potential.
2. Bias in the height–breast height age model used to estimate old-growth site index.
3. Top damage in the top-height trees, which causes the measured height growth to under-represent the true height growth.
4. Death of the best top-height trees (i.e., trees that best express the potential productivity of the site), leaving less suitable trees being chosen as top-height trees.

Without setting up an experiment to specifically test these factors, it is difficult to determine the influence that each has on the estimated site index. However, it is likely that all of the above factors are contributing to the

underestimation of site index in old-growth western hemlock stands in the study area.

Care was taken in the sampling to select only those trees that reflected the potential productivity of the site on the managed plots. Not all trees in all managed stands will reflect the potential productivity of the site due to factors such as suppression and brush competition. Therefore, on average, the managed stands may not exhibit the height growth implied by the site index adjustment. Furthermore, the height growth of hemlock stands that initially reflect the productivity of the site may not continue to do so as they mature because of top damage, pest-related damage, succession, etc.

There are some sources of potential bias in the results. These sources are:

1. Bias in the growth intercept model.

The growth intercept model may give biased site index estimates for the managed stand site indices.

2. Improper spatial or temporal matching of the old-growth and managed stand plots with respect to site productivity.

If the pairing of plots did not result in the plots being on sites with the same productivity, then comparing the old-growth stand site index to the managed stand site index would not be valid. Many of the paired plots were on slopes with the old-growth stand positioned above the managed stand. Therefore, the adjustment would likely be too large if the sites were not matched properly. Improper matching may also occur if the TSPs were not re-established at the original location. Efforts were made to ensure that paired plots were on sites with the same productivity and that TSPs were relocated as accurately as possible.

3. Application of results to a population that is different from the sample population (application bias).

Only those stands meeting certain selection criteria were sampled.

Therefore, an unknown bias may exist between the sample and all possible stands. The level of this bias cannot be known until accurate site indices are obtained from future rotations.

4. Bias in the growth intercept model development technique.

Magnussen and Penner (1996) recently discussed a well-known potential bias in site index equations derived from stem analysis. The site index estimate from such equations will be biased because, on average, the site trees at the time of sampling are not the same as the site trees in the past. This is because previous site trees have either died or, due to various causes, fallen behind in height growth. This source of potential bias is only relevant to the growth intercept model because the adjustment corrects for any bias in the height-age model.

6 ADJUSTMENT GUIDELINES

This discussion presents our recommendations on how the adjustment should be done to obtain an estimate of the potential productivity of a site.

There was not enough evidence to indicate that the adjustment varies with old-growth site index, height, or breast height age. Therefore, an average adjustment is appropriate. The equations in Table 4 are not significant enough to be used to adjust the site indices.

The adjustment should only be applied to managed western hemlock leading stands in the CWH portion of the Kalum TSA, TFL 1, and TFL 41 that were assigned a site index estimated from Wiley's (1978) height-age model and a height and breast height age from a previously unmanaged old-growth western hemlock stand. As well, the estimated site index from the old-growth stand must have been between 8 and 18 m. The adjusted site index must not be used for estimating the height of the existing old-growth stand because those heights would be biased. Several sources of bias exist, as discussed above, which suggests that a conservative approach to adjusting the site index may be warranted. In general, we believe that the biases may result in the adjustment being overestimated. We do not know how much bias there is in the adjustment, if any, but 1.3 m may be reasonable, leaving an adjustment of 10 m. Further refinements to the adjustment should be made as more information is gleaned about the potential biases in the adjustment.

The adjustment is applied by adding the adjustment factor to a polygon's estimated site index (equation 4).

$$SI_M = SI_O + \Delta SI \quad (4)$$

where: SI_M = estimated managed stand site index (m @ bh age 50),
 SI_O = estimated old-growth stand site index
(m @ bh age 50), and
 ΔSI = site index adjustment (m).

The Ministry of Forests will be forming a working group to discuss the application of study results in forest management analyses.

7 CONCLUSIONS

The paired plot/TSP re-establishment method of identifying biases in old-growth site indices was done for western hemlock in the CWH portion of the Kalum TSA and in TFLs 1 and 41. The results indicate that, on average, site indices estimated from the height and age of old-growth stands underestimate managed stand site indices by 11.3 m. However, due to several sources of potential bias in the adjustment, we recommend an adjustment of 10 m in order to obtain an estimate of potential productivity. Finally, it should be emphasized that the adjustments correspond to potential productivity. For a stand to achieve this potential, as measured in this study, requires that it be subject to ecological and management conditions that led to the observed results. The site index adjustments suggested in this study apply only in particular areas and under management regimes that largely eliminate factors that hinder tree growth, such as competition from pests and other vegetation.

LITERATURE CITED

- Banner, A., W. Mackenzie, S. Haeussler, S. Thomson, J. Pojar, and R. Trowbridge. 1993. A field guide to site identification and interpretation for the Prince Rupert Forest Region. B.C. Min. For. Res. Br., Victoria, B.C. Land Manage. Handb. No. 26.
- Goudie, J.W. 1996. The effects of stocking on estimated site index in the Morice, Lakes, and Vanderhoof timber supply areas in central British Columbia. *In* Proceedings of the Northern Interior Vegetation Management Association Annual Meeting, January 24–25, 1996, Smithers, B.C. T. Szauer (editor).
- Kish, L. 1965. Survey sampling. John Wiley & Sons, Inc., Toronto, Ont.
- Luttmerding, H.A., D.A. Demarchi, E. C. Lea, D. V. Meidinger, and T. Vold. 1990. Describing ecosystems in the field. 2nd ed., B.C. Min. Env., Lands, Parks, Victoria, B.C. M.O.E. Manual 11.
- Magnussen, S. and M. Penner. 1996. Recovering time trends in dominant height from stem analysis. *Can. J. For. Res.* 26: 9–22.
- Nigh, G.D. 1996. Growth intercept models for species without distinct annual branch whorls: western hemlock. *Can. J. For. Res.* 26: 1407–1415.
- Vanclay, J.K. 1992. Assessing site productivity in tropical moist forests: a review. *For. Ecol. Manage.* 54: 257–287.
- Wiley, K.N. 1978. Site index tables for western hemlock in the Pacific Northwest. Weyerhaeuser Co., For. Res. Cent. For. Pap. 17.

REGENERATED STAND YIELD TABLES
NATURAL



STERLING WOOD
GROUP INC.

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:40:54

SPECIES : 88% Western Hemlock
 SPECIES : 12% Sitka Spruce
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AULN.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
9.92	105.0	1041	Merchantable 12.5+
9.90	105.0	1039	Merchantable 17.5+

		Volume (m3/ha) and MAI									250 Prime12.5+		
	Top							MEAN	STEM				
Age	Ht.	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
15.0	1.7	0	0	0.00	0	0.00	0	0.4	3312	6	0	0.0	
25.0	7.2	12	1	0.03	0	0.00	4	4.1	3118	48	1	5.6	
35.0	13.6	110	66	1.88	29	0.84	22	9.7	2955	81	35	18.9	
45.0	19.2	290	240	5.34	192	4.27	39	14.7	2294	83	110	26.4	
55.0	24.1	459	405	7.37	371	6.74	49	20.4	1508	83	202	31.9	
65.0	28.3	628	562	8.64	536	8.24	55	24.8	1147	82	316	36.8	
75.0	31.8	781	700	9.33	682	9.09	61	28.1	980	82	436	41.0	
85.0	34.9	933	830	9.77	819	9.64	65	31.5	840	82	570	44.8	
95.0	37.6	1071	942	9.91	936	9.86	68	34.8	716	81	703	48.0	
105.0	40.0	1197	1041	9.92	1039	9.90	71	38.0	622	81	831	50.8	
115.0	42.1	1313	1134	9.86	1133	9.85	73	40.8	556	80	953	53.3	
125.0	44.0	1428	1225	9.80	1224	9.79	75	43.5	504	80	1080	55.5	
135.0	45.7	1522	1299	9.63	1299	9.62	76	45.8	464	80	1187	57.3	
145.0	47.2	1599	1359	9.37	1359	9.37	77	47.7	433	79	1278	58.8	
155.0	48.6	1672	1418	9.15	1418	9.15	79	49.5	408	79	1367	60.1	
165.0	49.8	1742	1476	8.95	1476	8.95	80	51.2	388	78	1454	61.4	
175.0	50.9	1803	1526	8.72	1526	8.72	81	52.7	371	78	1533	62.5	
185.0	52.0	1853	1566	8.47	1566	8.46	82	53.8	358	77	1602	63.4	
195.0	52.9	1898	1601	8.21	1601	8.21	82	54.9	347	77	1665	64.2	
205.0	53.8	1940	1634	7.97	1634	7.97	83	55.9	336	77	1727	65.0	
215.0	54.6	1982	1666	7.75	1666	7.75	83	56.9	327	76	1790	65.8	
225.0	55.4	2019	1695	7.53	1695	7.53	83	57.7	318	76	1849	66.5	
235.0	56.1	2053	1720	7.32	1720	7.32	84	58.6	310	75	1903	67.2	
245.0	56.8	2083	1742	7.11	1742	7.11	84	59.3	303	75	1955	67.8	

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:56:27

SPECIES : 91% Western Hemlock SITE : 19.99 m @ bh age 50
 SPECIES : 9% Sitka Spruce SITE : 19.99 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU2N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
5.90	135.0	797	Merchantable 12.5+
5.81	135.0	785	Merchantable 17.5+

		Volume (m3/ha) and MAI										250 Prime12.5+		
	Top							MEAN	STEM					
Age	Ht.	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC		
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)		
15.0	1.4	0	0	0.00	0	0.00	0	0.4	3326	5	0	0.0		
25.0	4.6	2	0	0.00	0	0.00	1	1.9	3187	23	0	0.0		
35.0	9.0	25	3	0.09	0	0.01	8	5.7	3063	65	3	13.1		
45.0	13.1	97	54	1.21	23	0.50	20	9.3	2958	80	31	18.1		
55.0	16.8	205	157	2.86	106	1.92	32	12.3	2675	83	73	23.3		
65.0	20.1	314	264	4.07	218	3.36	41	15.5	2140	82	123	27.3		
75.0	22.9	411	359	4.79	322	4.29	46	18.8	1674	82	177	30.5		
85.0	25.5	506	450	5.29	418	4.92	50	21.7	1361	82	237	33.4		
95.0	27.7	597	533	5.61	507	5.33	54	24.3	1158	81	300	36.1		
105.0	29.8	675	604	5.75	582	5.54	56	26.1	1054	81	361	38.3		
115.0	31.6	752	673	5.85	654	5.69	59	27.8	973	80	426	40.5		
125.0	33.2	822	736	5.89	721	5.76	61	29.4	903	80	488	42.4		
135.0	34.7	895	797	5.90	785	5.81	63	31.0	834	80	558	44.2		
145.0	36.1	960	851	5.87	842	5.81	64	32.6	771	79	622	45.9		
155.0	37.3	1018	897	5.79	890	5.74	65	34.1	713	79	684	47.3		
165.0	38.4	1070	937	5.68	933	5.65	66	35.7	660	78	741	48.6		
175.0	39.5	1119	974	5.57	972	5.55	67	37.1	615	78	796	49.9		
185.0	40.4	1166	1012	5.47	1010	5.46	67	38.3	584	77	852	51.0		
195.0	41.3	1209	1046	5.36	1045	5.36	68	39.5	555	77	903	52.0		
205.0	42.1	1248	1077	5.25	1076	5.25	69	40.6	529	77	951	52.9		
215.0	42.9	1288	1107	5.15	1106	5.15	69	41.7	506	76	1001	53.8		
225.0	43.6	1324	1136	5.05	1135	5.04	69	42.7	486	76	1050	54.7		
235.0	44.3	1358	1161	4.94	1161	4.94	70	43.6	467	75	1095	55.5		
245.0	44.9	1388	1185	4.84	1184	4.83	70	44.6	449	75	1137	56.2		

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:57:34

SPECIES : 89% Western Hemlock SITE : 13.35 m @ bh age 50
 SPECIES : 11% Sitka Spruce SITE : 13.35 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU3N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
3.08	165.0	508	Merchantable 12.5+
2.93	175.0	513	Merchantable 17.5+

		Volume (m3/ha) and MAI								250 Prime12.5+			
Age yrs	Top Ht. (m)	Gross	Merch	Merch	Unused	BA	MEAN	STEM	CC (%)	MRCH	DBHg	LC	
		0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	DBHg (cm)	COUNT /ha		Vol.	(cm)	(%)	
15.0	1.1	0	0	0.00	0	0.00	0	0.3	3336	4	0	0.0	0
25.0	3.1	1	0	0.00	0	0.00	0	0.8	3238	11	0	0.0	0
35.0	5.8	3	0	0.00	0	0.00	1	2.4	3136	32	0	0.0	0
45.0	8.4	20	1	0.03	0	0.00	6	5.2	3059	60	2	11.0	55
55.0	10.9	49	17	0.30	3	0.05	13	7.4	2999	73	13	15.3	69
65.0	13.2	98	55	0.85	24	0.37	20	9.4	2914	79	31	18.3	70
75.0	15.2	155	107	1.42	60	0.80	27	11.1	2791	82	53	21.4	70
85.0	17.1	215	167	1.97	118	1.39	33	12.7	2571	81	79	23.9	66
95.0	18.8	270	222	2.34	173	1.82	37	14.3	2335	81	105	26.1	63
105.0	20.4	321	272	2.59	228	2.17	41	15.9	2060	81	132	28.0	59
115.0	21.8	368	318	2.76	278	2.41	44	17.5	1828	80	159	29.6	57
125.0	23.1	411	360	2.88	323	2.58	46	18.9	1646	80	187	31.1	55
135.0	24.3	451	399	2.95	365	2.71	48	20.3	1479	80	214	32.4	53
145.0	25.4	493	438	3.02	407	2.81	50	21.6	1355	79	246	33.8	51
155.0	26.5	533	475	3.06	446	2.88	51	22.8	1253	79	276	35.0	50
165.0	27.4	570	508	3.08	482	2.92	52	23.9	1161	78	305	36.1	48
175.0	28.3	602	538	3.07	513	2.93	53	24.9	1091	78	333	37.2	47
185.0	29.1	632	565	3.05	541	2.93	54	25.6	1049	77	360	38.1	47
195.0	29.8	659	589	3.02	567	2.91	55	26.3	1010	77	386	39.0	46
205.0	30.5	684	611	2.98	590	2.88	56	27.0	974	77	410	39.8	46
215.0	31.2	706	631	2.93	612	2.84	56	27.6	940	76	433	40.5	45
225.0	31.8	730	652	2.90	633	2.82	57	28.2	911	76	458	41.2	45
235.0	32.4	752	671	2.85	654	2.78	57	28.7	885	75	483	41.9	44
245.0	33.0	772	688	2.81	672	2.74	58	29.2	861	75	505	42.6	44

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:58:54

SPECIES : 88% Western Hemlock
 SPECIES : 12% Sitka Spruce
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

SITE : 16.98 m @ bh age 50
 SITE : 16.98 m @ bh age 50
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU4N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
4.57	145.0	663	Merchantable 12.5+
4.45	155.0	690	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+	Merch 17.5+	Unused MAI	MAI				CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
15.0	1.3	0	0	0.00	0	0.00	0	0.4	3329	4	0	0.0	0
25.0	3.8	1	0	0.00	0	0.00	0	1.4	3214	17	0	0.0	0
35.0	7.4	13	1	0.02	0	0.00	5	4.3	3097	50	1	6.6	33
45.0	10.9	49	16	0.36	2	0.05	13	7.3	3017	73	13	15.3	69
55.0	14.1	123	77	1.41	37	0.68	23	10.2	2898	81	40	19.7	70
65.0	16.9	210	162	2.49	111	1.71	32	12.5	2628	82	75	23.6	67
75.0	19.5	294	245	3.27	198	2.64	39	15.0	2226	82	115	26.8	61
85.0	21.7	371	320	3.77	280	3.29	44	17.5	1834	82	156	29.5	57
95.0	23.8	440	387	4.08	352	3.71	48	19.9	1542	81	198	31.7	54
105.0	25.7	511	454	4.32	423	4.03	51	22.0	1337	81	246	33.9	51
115.0	27.3	578	517	4.49	490	4.26	53	24.1	1169	80	294	36.0	48
125.0	28.8	637	570	4.56	546	4.37	55	25.4	1086	80	341	37.7	47
135.0	30.2	689	617	4.57	596	4.41	57	26.7	1016	80	385	39.3	46
145.0	31.5	740	663	4.57	644	4.44	59	27.9	960	79	431	40.7	45
155.0	32.6	790	707	4.56	690	4.45	60	29.0	911	79	477	42.1	44
165.0	33.7	835	747	4.53	732	4.44	62	30.1	866	78	520	43.4	43
175.0	34.7	880	784	4.48	772	4.41	62	31.2	820	78	567	44.6	42
185.0	35.6	922	818	4.42	808	4.37	63	32.2	777	77	611	45.7	41
195.0	36.4	959	849	4.35	841	4.31	64	33.3	737	77	652	46.8	41
205.0	37.2	993	876	4.27	869	4.24	65	34.2	701	77	692	47.7	40
215.0	37.9	1025	900	4.18	894	4.16	65	35.2	667	76	730	48.6	40
225.0	38.6	1053	921	4.09	917	4.07	65	36.1	636	76	766	49.4	39
235.0	39.3	1079	940	4.00	937	3.99	65	37.0	607	75	799	50.1	39
245.0	39.9	1102	958	3.91	956	3.90	65	37.9	580	75	830	50.8	38

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:01:42

SPECIES : 96% Western Hemlock SITE : 12.27 m @ bh age 50
 SPECIES : 4% Sitka Spruce SITE : 12.27 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU5N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.47	185.0	457	Merchantable 12.5+
2.32	195.0	452	Merchantable 17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+						
	Top							MEAN	STEM				
Age	Ht.	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
15.0	1.1	0	0	0.00	0	0.00	0	0.3	3337	4	0	0.0	0
25.0	3.0	1	0	0.00	0	0.00	0	0.6	3242	10	0	0.0	0
35.0	5.4	3	0	0.00	0	0.00	1	2.2	3148	28	0	0.0	0
45.0	7.8	15	1	0.02	0	0.00	5	4.6	3073	52	1	8.3	41
55.0	10.1	37	9	0.17	1	0.02	10	6.6	3017	69	8	14.5	69
65.0	12.1	65	27	0.42	6	0.09	16	8.2	2966	77	20	16.4	70
75.0	14.0	115	71	0.95	34	0.45	22	9.9	2887	80	38	19.2	70
85.0	15.6	163	116	1.36	68	0.80	28	11.3	2771	81	57	21.7	70
95.0	17.2	211	164	1.72	113	1.18	32	12.5	2603	81	77	23.7	66
105.0	18.6	254	207	1.97	155	1.48	36	13.7	2417	81	98	25.4	63
115.0	19.8	295	247	2.15	200	1.74	39	15.0	2177	80	119	26.9	61
125.0	21.0	332	284	2.27	240	1.92	41	16.4	1961	80	139	28.2	58
135.0	22.1	366	317	2.35	277	2.05	43	17.5	1790	80	160	29.4	56
145.0	23.1	398	348	2.40	311	2.14	44	18.6	1641	79	180	30.5	55
155.0	24.0	427	376	2.43	342	2.20	46	19.7	1503	79	200	31.5	54
165.0	24.8	457	405	2.45	372	2.25	47	20.7	1396	78	221	32.4	52
175.0	25.6	486	432	2.47	401	2.29	48	21.5	1312	78	243	33.3	51
185.0	26.3	513	457	2.47	427	2.31	49	22.4	1233	77	264	34.2	50
195.0	27.0	538	480	2.46	452	2.32	49	23.3	1160	77	284	35.0	49
205.0	27.7	560	500	2.44	474	2.31	50	24.0	1103	77	303	35.7	48
215.0	28.3	580	518	2.41	493	2.29	50	24.5	1070	76	321	36.4	48
225.0	28.8	598	534	2.37	511	2.27	51	25.0	1039	76	338	37.0	47
235.0	29.4	614	549	2.34	526	2.24	51	25.4	1009	75	355	37.6	47
245.0	29.9	630	563	2.30	541	2.21	52	25.9	982	75	370	38.1	46

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:04:35

SPECIES : 97% Western Hemlock
 SPECIES : 3% Sitka Spruce

SITE : 28.69 m @ bh age 50
 SITE : 28.69 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU6N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
10.34	105.0	1086	Merchantable 12.5+
10.33	105.0	1084	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI				BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	250 Prime12.5+			
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI					MRCH Vol.	DBHg (cm)	LC (%)	
15.0	1.8	0	0	0.00	0	0.00	0	0.4	3308	6	0	0.0	0
25.0	7.7	15	1	0.04	0	0.00	5	4.5	3107	52	1	7.9	39
35.0	14.4	129	82	2.34	39	1.12	24	10.2	2946	82	42	19.8	71
45.0	20.2	316	266	5.92	219	4.86	41	15.4	2179	83	123	27.1	60
55.0	25.1	493	438	7.96	404	7.34	50	21.0	1428	83	223	32.5	52
65.0	29.3	662	593	9.12	568	8.75	56	25.3	1103	82	339	37.2	47
75.0	32.9	822	736	9.82	720	9.59	61	28.7	943	82	465	41.3	43
85.0	36.1	983	871	10.24	861	10.14	65	32.2	794	82	610	45.1	41
95.0	38.8	1122	979	10.30	976	10.27	67	35.8	665	81	746	48.3	39
105.0	41.3	1256	1086	10.34	1084	10.33	69	38.8	586	81	883	51.0	38
115.0	43.4	1384	1188	10.33	1187	10.32	72	41.7	525	80	1020	53.5	37
125.0	45.3	1499	1279	10.23	1278	10.23	74	44.4	476	80	1146	55.7	36
135.0	47.1	1588	1349	9.99	1349	9.99	75	46.4	443	80	1248	57.3	35
145.0	48.6	1672	1418	9.78	1418	9.78	76	48.4	415	79	1347	58.9	35
155.0	50.0	1753	1486	9.59	1486	9.59	78	50.2	394	79	1446	60.3	34
165.0	51.3	1823	1545	9.36	1545	9.36	79	51.8	376	78	1534	61.5	34
175.0	52.5	1882	1592	9.09	1591	9.09	80	53.0	362	78	1612	62.5	33
185.0	53.6	1934	1633	8.83	1633	8.83	81	54.2	350	77	1683	63.4	33
195.0	54.6	1986	1675	8.59	1674	8.59	81	55.3	339	77	1757	64.3	33
205.0	55.5	2035	1713	8.35	1713	8.35	82	56.3	329	77	1828	65.2	32
215.0	56.4	2080	1747	8.12	1747	8.12	82	57.3	320	76	1895	66.0	32
225.0	57.2	2119	1777	7.90	1777	7.90	83	58.1	312	76	1957	66.7	32
235.0	57.9	2154	1803	7.67	1803	7.67	83	58.9	305	75	2015	67.3	31
245.0	58.6	2185	1827	7.46	1827	7.46	83	59.7	298	75	2069	67.9	31

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WintIPSY Version 1.3
 DATE : Jul 04/98; 11:07:00

SPECIES : 89% Western Hemlock
 SPECIES : 11% Sitka Spruce

SITE : 19.88 m @ bh age 50
 SITE : 19.88 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU7N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
5.89	135.0	795	Merchantable 12.5+
5.80	135.0	783	Merchantable 17.5+

		Volume (m3/ha) and MAI						250 Prime12.5+					
Age yrs	Top Ht. (m)	Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+	Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
15.0	1.4	0	0	0.00	0	0.00	0	0.4	3326	5	0	0.0	0
25.0	4.6	2	0	0.00	0	0.00	1	1.8	3189	22	0	0.0	0
35.0	8.9	24	3	0.08	0	0.00	8	5.6	3065	65	3	12.8	63
45.0	13.0	95	52	1.16	21	0.48	20	9.2	2959	79	30	18.0	70
55.0	16.7	202	154	2.80	103	1.87	32	12.3	2677	83	72	23.2	67
65.0	19.9	311	262	4.02	216	3.32	40	15.5	2150	82	122	27.3	60
75.0	22.8	408	357	4.76	319	4.25	46	18.7	1684	82	176	30.5	55
85.0	25.4	503	447	5.25	415	4.88	50	21.6	1369	82	235	33.4	51
95.0	27.6	594	531	5.59	504	5.31	54	24.3	1162	81	299	36.1	48
105.0	29.7	673	602	5.74	580	5.52	57	26.1	1058	81	361	38.4	46
115.0	31.5	749	671	5.84	652	5.67	59	27.8	975	80	425	40.6	45
125.0	33.1	820	734	5.87	719	5.75	61	29.4	906	80	487	42.5	43
135.0	34.6	892	795	5.89	783	5.80	63	31.0	838	80	557	44.3	42
145.0	36.0	957	850	5.86	840	5.80	65	32.6	775	79	621	46.0	41
155.0	37.2	1016	896	5.78	889	5.74	66	34.2	717	79	683	47.5	40
165.0	38.3	1068	936	5.67	932	5.65	66	35.7	665	78	741	48.8	39
175.0	39.4	1116	972	5.56	970	5.54	67	37.2	617	78	794	50.0	39
185.0	40.3	1163	1010	5.46	1008	5.45	68	38.4	586	77	850	51.1	38
195.0	41.2	1206	1044	5.35	1043	5.35	69	39.5	558	77	902	52.1	38
205.0	42.0	1245	1075	5.24	1074	5.24	69	40.7	531	77	950	53.1	37
215.0	42.8	1283	1104	5.13	1103	5.13	70	41.7	508	76	998	54.0	37
225.0	43.5	1320	1132	5.03	1131	5.03	70	42.7	488	76	1047	54.8	37
235.0	44.2	1353	1158	4.93	1157	4.92	70	43.7	469	75	1092	55.6	36
245.0	44.8	1383	1181	4.82	1180	4.82	71	44.6	451	75	1134	56.3	36

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:08:58

SPECIES : 96% Western Hemlock
 SPECIES : 4% Sitka Spruce

SITE : 11.97 m @ bh age 50
 SITE : 11.97 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU8N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.35	185.0	435	Merchantable 12.5+
2.20	205.0	451	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	250 Prime12.5+		
		Gross	Merch	Merch	Unused	MAI					MRCH Vol.	DBHg (cm)	LC (%)
		0.0	12.5+ MAI	17.5+ MAI									
15.0	1.1	0	0	0.00	0	0.00	0	0.3	3337	4	0	0.0	0
25.0	2.9	1	0	0.00	0	0.00	0	0.6	3244	10	0	0.0	0
35.0	5.3	2	0	0.00	0	0.00	1	2.1	3152	27	0	0.0	0
45.0	7.6	14	1	0.02	0	0.00	5	4.4	3078	50	1	7.4	37
55.0	9.8	33	8	0.14	1	0.02	10	6.4	3021	68	7	14.3	68
65.0	11.8	59	23	0.35	4	0.06	15	8.0	2973	76	17	16.1	70
75.0	13.6	106	63	0.84	28	0.38	21	9.6	2899	79	34	18.7	70
85.0	15.3	151	103	1.22	57	0.67	27	11.0	2810	81	52	21.2	70
95.0	16.7	198	150	1.58	100	1.06	31	12.2	2645	81	72	23.1	67
105.0	18.1	239	192	1.83	139	1.33	35	13.3	2497	81	90	24.9	64
115.0	19.4	279	232	2.02	183	1.59	38	14.5	2264	80	111	26.3	62
125.0	20.5	316	268	2.14	223	1.78	40	15.8	2051	80	131	27.7	59
135.0	21.6	349	300	2.23	259	1.92	42	16.9	1866	80	150	28.8	57
145.0	22.5	380	331	2.28	292	2.01	44	18.0	1719	79	170	29.9	56
155.0	23.4	409	359	2.31	322	2.08	45	19.0	1583	79	189	30.9	54
165.0	24.3	435	384	2.33	350	2.12	46	20.1	1458	78	206	31.8	53
175.0	25.0	463	410	2.34	378	2.16	47	20.9	1370	78	228	32.7	52
185.0	25.8	489	435	2.35	404	2.19	48	21.7	1292	77	248	33.5	51
195.0	26.4	514	458	2.35	429	2.20	48	22.5	1220	77	267	34.3	50
205.0	27.1	536	479	2.33	451	2.20	49	23.3	1153	77	286	35.0	49
215.0	27.6	557	497	2.31	471	2.19	50	24.0	1099	76	303	35.7	48
225.0	28.2	575	513	2.28	488	2.17	50	24.4	1068	76	320	36.3	48
235.0	28.7	591	528	2.25	504	2.15	50	24.9	1038	75	336	36.9	47
245.0	29.2	606	542	2.21	519	2.12	51	25.3	1011	75	352	37.4	47

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.06.54 95-MAY-17
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:08:20

SPECIES : 77% Sitka Spruce SITE : 28.03 m @ bh age 50
 SPECIES : 23% Western Hemlock SITE : 28.03 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU9N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
11.02	95.0	1047	Merchantable 12.5+
10.98	95.0	1043	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN STEM					250 Prime12.5+		
		Gross	Merch	Merch	Unused	MAI	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
		0.0	12.5+ MAI	17.5+ MAI			(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
15.0	1.4	0	0	0.00	0	0.00	0	0.4	3322	6	0	0.0	0	
25.0	6.1	9	0	0.01	0	0.00	3	3.8	3132	50	0	1.6	8	
35.0	12.4	111	65	1.85	28	0.79	22	9.9	2868	82	35	19.2	69	
45.0	18.5	309	256	5.70	225	5.00	42	16.6	1965	83	118	28.4	61	
55.0	23.8	506	445	8.10	421	7.66	56	23.2	1337	83	233	36.0	51	
65.0	28.3	689	616	9.47	598	9.20	66	28.0	1080	82	371	42.3	45	
75.0	32.1	872	781	10.41	770	10.26	75	32.5	906	82	532	48.0	42	
85.0	35.4	1032	921	10.83	914	10.76	82	36.5	781	82	687	52.6	39	
95.0	38.1	1179	1047	11.02	1043	10.98	87	40.2	683	81	841	56.5	37	
105.0	40.3	1307	1151	10.96	1150	10.95	90	43.7	602	81	982	59.7	36	
115.0	42.3	1417	1238	10.77	1238	10.76	93	47.0	535	80	1108	62.3	35	
125.0	44.0	1517	1315	10.52	1314	10.51	95	50.0	484	80	1227	64.6	34	
135.0	45.4	1598	1376	10.19	1376	10.19	96	52.7	442	80	1328	66.4	33	
145.0	46.7	1665	1421	9.80	1421	9.80	97	55.1	406	79	1414	67.9	32	
155.0	47.8	1724	1462	9.43	1462	9.43	97	57.4	376	79	1493	69.1	32	
165.0	48.8	1775	1498	9.08	1498	9.08	98	59.4	352	78	1564	70.3	32	
175.0	49.7	1819	1527	8.73	1527	8.73	98	61.0	336	78	1629	71.2	31	
185.0	50.5	1856	1552	8.39	1552	8.39	98	62.4	321	77	1686	72.1	31	
195.0	51.2	1888	1573	8.07	1573	8.07	98	63.7	308	77	1737	72.8	30	
205.0	51.8	1917	1592	7.76	1592	7.76	98	64.9	297	77	1785	73.5	30	
215.0	52.4	1941	1605	7.46	1605	7.46	98	65.9	287	76	1828	74.1	30	
225.0	52.9	1962	1616	7.18	1616	7.18	98	66.8	279	76	1867	74.6	30	
235.0	53.4	1979	1625	6.91	1625	6.91	97	67.6	271	75	1903	75.1	30	
245.0	53.8	1994	1632	6.66	1632	6.66	97	68.4	264	75	1936	75.5	29	

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.06.54 95-MAY-17
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:24:43

SPECIES : 68% Sitka Spruce
 SPECIES : 32% Western Hemlock
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

SITE : 18.14 m @ bh age 50
 SITE : 18.14 m @ bh age 50
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AULON.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
6.25	145.0	906	Merchantable 12.5+
6.20	145.0	899	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	250 Prime12.5+		
		Gross	Merch	Merch	Unused	MAI					MRCH Vol.	DBHg (cm)	LC (%)
		0.0	12.5+ MAI	17.5+ MAI									
15.0	1.1	0	0	0.00	0	0.00	0	0.3	3338	4	0	0.0	0
25.0	3.4	1	0	0.00	0	0.00	0	1.0	3226	15	0	0.0	0
35.0	6.9	13	1	0.02	0	0.00	5	4.4	3096	56	1	4.1	20
45.0	10.7	61	25	0.56	8	0.17	15	7.9	2965	77	17	15.9	68
55.0	14.4	158	111	2.01	67	1.22	28	11.5	2651	82	53	21.8	69
65.0	17.8	277	226	3.48	190	2.92	39	15.4	2124	82	104	27.1	62
75.0	21.0	391	336	4.49	307	4.09	48	19.4	1641	82	165	31.7	55
85.0	23.9	493	434	5.11	408	4.81	55	22.6	1372	82	232	35.6	51
95.0	26.4	588	524	5.51	502	5.28	60	25.3	1197	81	302	39.0	48
105.0	28.7	689	616	5.87	598	5.70	65	28.1	1052	81	385	42.4	45
115.0	30.8	783	701	6.10	687	5.97	70	30.5	955	80	472	45.5	43
125.0	32.6	867	776	6.21	765	6.12	73	32.6	875	80	552	48.1	42
135.0	34.3	942	842	6.24	833	6.17	76	34.5	814	80	629	50.4	40
145.0	35.8	1015	906	6.25	899	6.20	79	36.3	761	79	707	52.5	39
155.0	37.1	1084	966	6.23	960	6.19	81	38.1	711	79	784	54.4	38
165.0	38.3	1146	1016	6.16	1011	6.13	83	39.8	664	78	855	56.1	38
175.0	39.4	1200	1059	6.05	1056	6.03	84	41.5	621	78	920	57.6	37
185.0	40.4	1247	1097	5.93	1094	5.91	85	43.1	582	77	980	58.9	36
195.0	41.3	1293	1131	5.80	1129	5.79	86	44.6	548	77	1040	60.1	36
205.0	42.1	1333	1161	5.66	1160	5.66	86	46.0	518	77	1094	61.2	35
215.0	42.9	1369	1188	5.53	1187	5.52	87	47.4	491	76	1144	62.2	35
225.0	43.6	1402	1212	5.39	1211	5.38	87	48.6	469	76	1191	63.0	34
235.0	44.2	1430	1231	5.24	1230	5.23	87	49.7	448	75	1234	63.8	34
245.0	44.8	1455	1247	5.09	1247	5.09	87	50.8	429	75	1274	64.5	34

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:27:08

SPECIES : 90% Western Hemlock SITE : 28.16 m @ bh age 50
 SPECIES : 10% Western Redcedar SITE : 28.16 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU14N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
10.07	105.0	1057	Merchantable 12.5+
10.05	115.0	1156	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN STEM				250 Prime12.5+		
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI	BA (m2)	DBHg (cm)	COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)	
15.0	1.7	0	0	0.00	0	0.00	0	0.4	3312	5	0	0.0	0
25.0	7.5	13	1	0.03	0	0.00	4	4.3	3109	49	1	6.7	34
35.0	14.0	117	72	2.05	33	0.95	23	9.9	2943	81	38	19.2	70
45.0	19.6	297	248	5.52	199	4.42	39	14.9	2255	83	114	26.6	61
55.0	24.5	468	414	7.53	379	6.89	49	20.3	1503	83	209	32.0	52
65.0	28.6	636	570	8.76	543	8.36	55	24.6	1155	82	323	36.8	47
75.0	32.2	790	709	9.45	690	9.20	60	27.9	987	82	445	40.9	44
85.0	35.3	944	841	9.89	829	9.75	65	31.2	842	82	584	44.8	41
95.0	38.1	1084	953	10.03	947	9.97	67	34.6	713	81	721	48.1	39
105.0	40.5	1215	1057	10.07	1055	10.05	70	37.7	624	81	856	50.9	38
115.0	42.6	1339	1158	10.07	1156	10.05	72	40.6	558	80	989	53.5	37
125.0	44.6	1456	1252	10.02	1251	10.01	74	43.2	507	80	1120	55.8	36
135.0	46.3	1549	1327	9.83	1326	9.82	76	45.4	471	80	1227	57.5	35
145.0	47.9	1630	1392	9.60	1391	9.60	77	47.3	440	79	1323	59.1	34
155.0	49.3	1712	1461	9.43	1461	9.42	79	49.1	417	79	1423	60.5	34
165.0	50.6	1785	1523	9.23	1523	9.23	80	50.8	397	78	1515	61.8	33
175.0	51.8	1846	1573	8.99	1573	8.99	81	52.2	381	78	1595	62.9	33
185.0	52.9	1899	1617	8.74	1616	8.74	82	53.3	369	77	1668	63.8	32
195.0	53.9	1946	1655	8.49	1655	8.49	83	54.3	358	77	1735	64.7	32
205.0	54.8	1994	1694	8.26	1694	8.26	84	55.3	348	77	1806	65.6	32
215.0	55.6	2039	1729	8.04	1729	8.04	84	56.2	339	76	1873	66.4	31
225.0	56.5	2081	1762	7.83	1762	7.83	85	57.2	330	76	1937	67.1	31
235.0	57.2	2118	1792	7.63	1792	7.63	85	58.0	322	75	1998	67.8	31
245.0	58.0	2152	1818	7.42	1818	7.42	85	58.8	315	75	2055	68.4	31

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:29:17

SPECIES : 93% Western Hemlock SITE : 19.01 m @ bh age 50
 SPECIES : 7% White Spruce SITE : 19.01 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU15N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
5.14	125.0	643	Merchantable 12.5+
5.03	145.0	729	Merchantable 17.5+

		Volume (m3/ha) and MAI								250 Prime12.5+				
	Top							MEAN	STEM					
Age	Ht.	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC		
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)		
15.0	1.3	0	0	0.00	0	0.00	0	0.4	3328	4	0	0.0	0	
25.0	4.3	2	0	0.00	0	0.00	1	1.7	3196	20	0	0.0	0	
35.0	8.4	19	1	0.04	0	0.00	6	5.2	3071	59	2	11.4	57	
45.0	12.3	74	35	0.78	11	0.25	17	8.5	2984	78	22	16.8	70	
55.0	15.8	171	123	2.24	74	1.35	29	11.5	2781	82	59	21.9	68	
65.0	18.9	269	221	3.40	169	2.60	37	14.2	2360	82	102	25.7	62	
75.0	21.6	358	309	4.12	266	3.54	43	17.1	1868	82	147	28.7	56	
85.0	24.1	438	387	4.55	351	4.13	47	19.9	1503	82	193	31.2	53	
95.0	26.2	523	465	4.90	434	4.57	50	22.3	1269	81	248	33.6	49	
105.0	28.1	595	531	5.05	504	4.80	52	24.2	1128	81	299	35.7	47	
115.0	29.8	657	586	5.10	564	4.90	54	25.8	1036	80	346	37.5	46	
125.0	31.4	721	643	5.14	624	4.99	56	27.1	965	80	400	39.2	44	
135.0	32.8	779	694	5.14	678	5.02	58	28.5	903	80	449	40.8	43	
145.0	34.1	838	742	5.12	729	5.03	59	29.8	841	79	505	42.3	42	
155.0	35.3	892	786	5.07	776	5.01	60	31.2	783	79	558	43.7	41	
165.0	36.3	940	824	4.99	816	4.95	61	32.5	731	78	607	44.9	40	
175.0	37.3	983	856	4.89	851	4.86	61	33.7	683	78	655	46.0	40	
185.0	38.3	1023	886	4.79	882	4.77	61	34.9	640	77	699	47.0	39	
195.0	39.1	1060	914	4.69	912	4.68	62	36.1	604	77	741	48.0	39	
205.0	39.9	1096	942	4.60	941	4.59	62	37.0	578	76	785	48.9	38	
215.0	40.6	1130	968	4.50	967	4.50	63	38.0	554	76	826	49.7	38	
225.0	41.3	1160	992	4.41	991	4.40	63	38.9	531	76	864	50.4	38	
235.0	42.0	1189	1014	4.32	1013	4.31	63	39.7	511	75	902	51.2	37	
245.0	42.6	1218	1037	4.23	1036	4.23	64	40.5	494	75	941	51.9	37	

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:30:53

SPECIES : 93% Western Hemlock
 SPECIES : 7% White Spruce
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

SITE : 12.92 m @ bh age 50
 SITE : 12.92 m @ bh age 50
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU16N.TIP

OAfs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.62	165.0	432	Merchantable 12.5+
2.45	185.0	454	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN		STEM COUNT /ha	250 Prime12.5+			
		Gross	Merch	Merch	Unused	BA	DBHg	DBHg		CC	MRCH	DBHg	LC
		0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	(cm)		(%)	Vol.	(cm)	(%)
15.0	1.1	0	0	0.00	0	0.00	0	0.3	3337	4	0	0.0	0
25.0	3.0	1	0	0.00	0	0.00	0	0.7	3239	10	0	0.0	0
35.0	5.5	3	0	0.00	0	0.00	1	2.3	3140	29	0	0.0	0
45.0	8.1	17	1	0.03	0	0.00	6	4.9	3062	55	1	9.8	49
55.0	10.5	42	13	0.23	2	0.03	11	7.0	3005	70	10	14.9	68
65.0	12.6	80	40	0.62	14	0.22	18	8.8	2942	78	25	17.2	70
75.0	14.6	131	85	1.13	41	0.55	25	10.5	2857	81	44	20.2	70
85.0	16.3	184	136	1.60	86	1.01	30	11.9	2684	81	65	22.5	67
95.0	17.9	232	185	1.95	131	1.37	34	13.2	2510	81	86	24.6	64
105.0	19.4	278	231	2.20	181	1.72	37	14.6	2235	81	108	26.2	61
115.0	20.7	319	271	2.36	226	1.97	40	16.1	1987	80	129	27.7	58
125.0	21.9	357	308	2.46	267	2.14	42	17.3	1790	80	151	28.9	56
135.0	23.0	391	342	2.53	304	2.25	44	18.6	1621	80	172	30.1	54
145.0	24.0	422	372	2.56	337	2.32	45	19.8	1468	79	191	31.1	53
155.0	25.0	456	403	2.60	371	2.39	46	20.8	1363	79	214	32.2	51
165.0	25.8	487	432	2.62	401	2.43	47	21.8	1269	78	236	33.1	50
175.0	26.6	515	457	2.61	429	2.45	48	22.7	1183	78	257	34.0	49
185.0	27.4	540	480	2.60	454	2.45	49	23.6	1113	77	276	34.8	48
195.0	28.0	563	500	2.56	475	2.44	49	24.2	1074	77	295	35.6	47
205.0	28.7	583	518	2.53	494	2.41	50	24.7	1038	77	313	36.2	47
215.0	29.3	601	534	2.48	512	2.38	50	25.2	1004	76	330	36.9	46
225.0	29.9	618	549	2.44	528	2.35	51	25.7	973	76	345	37.5	46
235.0	30.4	635	564	2.40	544	2.32	51	26.2	945	75	362	38.0	45
245.0	30.9	652	579	2.36	560	2.29	51	26.7	920	75	379	38.6	45

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:34:13

SPECIES : 96% Western Hemlock
 SPECIES : 4% White Spruce
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU17N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
4.01	135.0	542	Merchantable 12.5+
3.85	155.0	596	Merchantable 17.5+

		Volume (m3/ha) and MAI					MEAN · STEM					250 Prime12.5+		
Age	Top	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC		
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)		
15.0	1.3	0	0	0.00	0	0.00	0	0.4	3330	4	0	0.0	0	
25.0	3.7	1	0	0.00	0	0.00	0	1.3	3216	16	0	0.0	0	
35.0	7.2	11	1	0.02	0	0.00	4	4.0	3101	46	1	5.8	29	
45.0	10.5	43	13	0.29	2	0.04	12	7.0	3023	71	10	14.8	68	
55.0	13.5	104	61	1.10	27	0.48	21	9.5	2937	80	33	18.5	70	
65.0	16.2	181	134	2.06	83	1.28	30	11.7	2746	82	64	22.3	68	
75.0	18.6	257	209	2.79	156	2.08	36	13.8	2433	82	96	25.3	63	
85.0	20.7	326	278	3.26	232	2.73	41	16.1	2022	82	130	27.7	58	
95.0	22.6	388	339	3.56	299	3.14	44	18.1	1714	81	166	29.7	55	
105.0	24.4	447	395	3.76	360	3.43	47	20.2	1465	81	201	31.5	53	
115.0	25.9	508	451	3.92	420	3.65	49	21.9	1294	80	242	33.3	50	
125.0	27.3	561	500	4.00	472	3.78	50	23.5	1159	80	279	34.9	48	
135.0	28.6	607	542	4.01	517	3.83	52	24.6	1090	80	314	36.2	47	
145.0	29.8	648	578	3.99	556	3.83	53	25.7	1027	79	347	37.4	46	
155.0	30.9	690	616	3.98	596	3.85	54	26.6	977	79	384	38.6	45	
165.0	31.9	730	651	3.95	633	3.84	56	27.5	932	78	419	39.8	44	
175.0	32.8	765	683	3.90	667	3.81	56	28.4	891	78	452	40.8	43	
185.0	33.7	802	714	3.86	700	3.78	57	29.3	849	77	489	41.8	43	
195.0	34.5	837	742	3.80	730	3.74	58	30.2	809	77	525	42.8	42	
205.0	35.2	868	768	3.74	757	3.69	58	31.0	772	77	558	43.6	41	
215.0	35.9	897	791	3.68	782	3.64	59	31.9	738	76	590	44.5	41	
225.0	36.5	923	811	3.60	803	3.57	59	32.6	707	76	621	45.2	40	
235.0	37.2	947	829	3.53	823	3.50	59	33.4	677	75	650	45.9	40	
245.0	37.7	969	845	3.45	840	3.43	59	34.1	649	75	678	46.5	40	

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:36:00

SPECIES : 94% Western Hemlock SITE : 16.10 m @ bh age 50
 SPECIES : 6% Western Redcedar SITE : 16.10 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU18N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
3.92	135.0	530	Merchantable 12.5+
3.75	165.0	619	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+	Unused MAI				CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
15.0	1.3	0	0	0.00	0	0.00	0	0.4	3330	4	0	0.0	0
25.0	3.7	1	0	0.00	0	0.00	0	1.3	3215	15	0	0.0	0
35.0	7.2	11	1	0.02	0	0.00	4	4.0	3101	45	1	5.4	27
45.0	10.5	42	12	0.27	2	0.04	11	6.9	3024	71	10	14.9	69
55.0	13.4	100	57	1.04	24	0.44	20	9.4	2939	79	32	18.3	70
65.0	16.0	175	127	1.96	77	1.19	29	11.5	2766	82	61	22.1	69
75.0	18.3	248	201	2.68	147	1.96	35	13.5	2483	82	93	25.0	64
85.0	20.4	317	268	3.16	222	2.62	40	15.7	2084	82	127	27.4	59
95.0	22.3	379	329	3.46	289	3.04	44	17.7	1774	81	161	29.5	56
105.0	24.0	433	383	3.64	347	3.31	47	19.8	1519	81	194	31.2	53
115.0	25.5	493	438	3.81	406	3.53	49	21.4	1353	80	233	33.0	51
125.0	26.9	546	488	3.90	459	3.67	50	23.1	1203	80	270	34.6	49
135.0	28.1	592	530	3.92	503	3.73	52	24.1	1133	80	306	36.0	48
145.0	29.3	633	567	3.91	543	3.74	53	25.2	1071	79	338	37.2	47
155.0	30.3	673	603	3.89	581	3.75	54	26.1	1018	79	373	38.4	46
165.0	31.3	712	639	3.87	619	3.75	56	27.0	973	78	408	39.6	45
175.0	32.2	748	671	3.83	653	3.73	57	27.8	931	78	441	40.6	44
185.0	33.1	782	701	3.79	684	3.70	58	28.7	892	77	474	41.6	43
195.0	33.9	816	729	3.74	715	3.67	58	29.5	853	77	510	42.6	43
205.0	34.6	847	755	3.68	742	3.62	59	30.3	817	77	543	43.4	42
215.0	35.3	876	778	3.62	768	3.57	59	31.1	783	76	574	44.3	42
225.0	35.9	902	800	3.55	790	3.51	60	31.8	751	76	604	45.0	41
235.0	36.5	926	818	3.48	810	3.45	60	32.5	721	75	634	45.7	41
245.0	37.1	949	835	3.41	828	3.38	60	33.2	693	75	662	46.4	40

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:38:17

SPECIES : 97% Western Hemlock SITE : 12.00 m @ bh age 50
 SPECIES : 3% Western Redcedar SITE : 12.00 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU19N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.24	185.0	415	Merchantable 12.5+
2.08	195.0	406	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN STEM				250 Prime12.5+		
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI	BA (m2)	DBHg (cm)	COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)	
15.0	1.1	0	0	0.00	0	0.00	0	0.3	3337	4	0	0.0	0
25.0	2.9	1	0	0.00	0	0.00	0	0.6	3243	10	0	0.0	0
35.0	5.3	2	0	0.00	0	0.00	1	2.2	3149	27	0	0.0	0
45.0	7.7	14	1	0.02	0	0.00	5	4.5	3075	51	1	7.7	39
55.0	9.9	34	8	0.14	1	0.02	10	6.4	3019	68	7	14.4	69
65.0	11.8	59	22	0.34	3	0.05	15	7.9	2975	76	17	16.0	70
75.0	13.6	104	61	0.82	27	0.36	21	9.6	2908	79	34	18.6	70
85.0	15.2	148	100	1.18	53	0.63	26	10.9	2828	81	51	21.0	70
95.0	16.7	192	145	1.53	94	0.99	30	12.0	2671	81	69	22.9	68
105.0	18.0	232	186	1.77	131	1.25	34	13.1	2527	81	87	24.6	65
115.0	19.2	270	223	1.94	174	1.51	37	14.3	2291	80	106	25.9	62
125.0	20.3	305	258	2.06	212	1.69	39	15.5	2076	80	124	27.2	60
135.0	21.3	337	289	2.14	246	1.83	41	16.6	1892	80	141	28.3	58
145.0	22.2	366	317	2.19	278	1.92	42	17.6	1743	79	159	29.3	56
155.0	23.1	392	343	2.22	306	1.98	44	18.6	1607	79	175	30.2	55
165.0	23.9	416	367	2.22	332	2.01	45	19.6	1481	78	191	31.0	54
175.0	24.6	442	392	2.24	359	2.05	46	20.4	1396	78	210	31.9	52
185.0	25.3	467	415	2.24	384	2.07	46	21.2	1318	77	228	32.7	51
195.0	26.0	490	436	2.24	406	2.08	47	21.9	1246	77	245	33.4	50
205.0	26.6	510	455	2.22	427	2.08	48	22.7	1178	77	261	34.1	49
215.0	27.1	529	473	2.20	445	2.07	48	23.3	1127	76	276	34.7	49
225.0	27.7	545	488	2.17	462	2.05	48	23.7	1096	76	291	35.3	48
235.0	28.2	561	501	2.13	477	2.03	49	24.1	1067	75	305	35.8	48
245.0	28.6	574	514	2.10	490	2.00	49	24.6	1039	75	318	36.3	47

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:41:57

SPECIES : 98% Western Hemlock
 SPECIES : 2% White Spruce

SITE : 11.98 m @ bh age 50
 SITE : 11.98 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU20N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.25	185.0	416	Merchantable 12.5+
2.09	195.0	407	Merchantable 17.5+

		Volume (m3/ha) and MAI									250 Prime12.5+		
	Top							MEAN	STEM				
Age	Ht.	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
15.0	1.1	0	0	0.00	0	0.00	0	0.3	3337	4	0	0.0	0
25.0	2.9	1	0	0.00	0	0.00	0	0.6	3243	9	0	0.0	0
35.0	5.3	2	0	0.00	0	0.00	1	2.1	3151	27	0	0.0	0
45.0	7.6	14	1	0.02	0	0.00	5	4.4	3077	50	1	7.6	38
55.0	9.8	33	8	0.14	1	0.02	10	6.3	3020	67	6	14.2	68
65.0	11.8	58	21	0.33	3	0.05	15	7.9	2976	76	17	16.0	70
75.0	13.6	103	60	0.81	26	0.35	21	9.5	2909	79	34	18.6	70
85.0	15.2	147	100	1.17	53	0.62	26	10.9	2829	81	50	21.0	70
95.0	16.7	192	145	1.52	94	0.99	30	12.0	2670	81	69	22.9	67
105.0	18.0	232	186	1.77	131	1.25	34	13.1	2527	81	86	24.6	65
115.0	19.2	271	224	1.95	174	1.51	37	14.3	2289	80	106	25.9	62
125.0	20.3	306	258	2.07	212	1.70	39	15.5	2073	80	124	27.2	59
135.0	21.3	337	289	2.14	247	1.83	41	16.7	1886	80	141	28.3	57
145.0	22.3	367	318	2.19	278	1.92	43	17.7	1736	79	159	29.3	56
155.0	23.2	393	344	2.22	307	1.98	44	18.7	1599	79	176	30.2	55
165.0	24.0	417	368	2.23	333	2.02	45	19.7	1473	78	191	31.0	53
175.0	24.7	444	393	2.24	360	2.06	46	20.5	1384	78	210	31.9	52
185.0	25.4	469	416	2.25	385	2.08	46	21.2	1306	77	228	32.7	51
195.0	26.1	491	437	2.24	407	2.09	47	22.0	1233	77	245	33.4	50
205.0	26.7	512	456	2.23	428	2.09	47	22.8	1165	77	261	34.1	49
215.0	27.2	531	474	2.20	447	2.08	48	23.4	1111	76	277	34.7	48
225.0	27.8	548	489	2.17	463	2.06	48	23.9	1080	76	292	35.3	48
235.0	28.3	563	502	2.14	478	2.03	49	24.3	1051	75	306	35.8	48
245.0	28.8	577	515	2.10	491	2.01	49	24.7	1023	75	319	36.3	47

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:44:31

SPECIES : 99% Western Hemlock
 SPECIES : 1% White Spruce

SITE : 27.77 m @ bh age 50
 SITE : 27.77 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU21N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
9.73	105.0	1021	Merchantable 12.5+
9.71	105.0	1019	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI				Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross	Merch	Merch	MAI					CC	MRCH	DBHg	LC
		0.0	12.5+ MAI	17.5+ MAI						(%)	Vol.	(cm)	(%)
15.0	1.7	0	0	0.00	0	0.00	0	0.4	3310	6	0	0.0	0
25.0	7.4	12	1	0.03	0	0.00	4	4.2	3115	48	1	6.4	32
35.0	13.8	111	67	1.91	30	0.86	22	9.7	2968	81	36	18.9	70
45.0	19.4	288	239	5.31	188	4.18	39	14.5	2338	83	109	26.2	62
55.0	24.2	453	400	7.28	364	6.62	48	20.0	1531	83	198	31.3	53
65.0	28.3	619	554	8.52	527	8.11	54	24.3	1154	82	308	35.9	48
75.0	31.9	768	688	9.17	668	8.91	58	27.5	987	82	422	39.8	44
85.0	34.9	918	816	9.59	804	9.45	62	30.7	845	82	552	43.4	42
95.0	37.7	1054	924	9.72	918	9.66	65	33.9	716	81	681	46.5	40
105.0	40.0	1179	1021	9.73	1019	9.71	67	37.0	621	81	806	49.2	39
115.0	42.2	1296	1115	9.70	1114	9.69	69	39.8	555	80	928	51.6	38
125.0	44.1	1413	1207	9.66	1206	9.65	71	42.3	504	80	1055	53.8	37

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:45:58

SPECIES : 98% Western Hemlock
 SPECIES : 2% White Spruce
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU22N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
6.42	125.0	803	Merchantable 12.5+
6.33	125.0	792	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN BA (m2)	STEM DBHg (cm)	COUNT /ha	250 Prime12.5+			
		Gross	Merch	Merch	Unused	MAI				CC	MRCH	DBHg	LC
		0.0	12.5+ MAI	17.5+ MAI						(%)	Vol.	(cm)	(%)
15.0	1.4	0	0	0.00	0	0.00	0	0.4	3323	5	0	0.0	0
25.0	5.1	2	0	0.00	0	0.00	1	2.1	3171	26	0	0.0	0
35.0	9.9	35	9	0.25	1	0.03	10	6.5	3050	68	7	14.2	67
45.0	14.3	126	80	1.77	38	0.85	24	10.2	2933	82	41	19.7	71
55.0	18.2	246	198	3.60	143	2.60	36	13.3	2548	83	90	24.8	64
65.0	21.6	359	309	4.76	266	4.09	43	16.9	1913	82	146	28.6	57
75.0	24.6	463	409	5.46	374	4.99	48	20.3	1473	82	207	31.7	52
85.0	27.2	568	507	5.97	478	5.62	51	23.4	1197	82	275	34.7	48
95.0	29.5	655	586	6.17	562	5.91	54	25.4	1076	81	340	37.1	47
105.0	31.6	742	663	6.32	644	6.13	57	27.2	981	81	410	39.4	45
115.0	33.4	824	735	6.40	720	6.26	59	29.0	899	80	481	41.6	43
125.0	35.1	905	803	6.42	792	6.33	61	30.9	818	80	557	43.6	42
135.0	36.6	978	861	6.38	853	6.32	62	32.7	745	80	628	45.3	41
145.0	38.0	1042	910	6.28	906	6.25	63	34.4	679	79	696	46.9	40
155.0	39.3	1102	956	6.17	954	6.16	64	36.1	625	79	760	48.3	39
165.0	40.4	1161	1003	6.08	1001	6.07	65	37.5	588	78	825	49.6	38
175.0	41.5	1214	1045	5.97	1044	5.96	66	38.9	554	78	885	50.8	38
185.0	42.5	1266	1086	5.87	1085	5.86	67	40.2	525	77	946	52.0	38
195.0	43.4	1315	1125	5.77	1124	5.76	67	41.4	499	77	1007	53.0	37
205.0	44.2	1361	1160	5.66	1160	5.66	68	42.6	476	76	1064	54.0	37
215.0	45.0	1401	1192	5.54	1191	5.54	68	43.7	455	76	1115	54.9	36
225.0	45.8	1432	1216	5.41	1216	5.40	69	44.6	440	76	1158	55.6	36

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:48:15

SPECIES : 97% Western Hemlock
 SPECIES : 3% White Spruce
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

SITE : 11.48 m @ bh age 50
 SITE : 11.48 m @ bh age 50

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU23N.TIP

OAfs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.05	195.0	400	Merchantable 12.5+
1.90	205.0	389	Merchantable 17.5+

		Volume (m3/ha) and MAI								250 Prime12.5+			
Age yrs	Top Ht.	Gross		Merch		Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH DBHg LC		
	(m)	0.0	12.5+	MAI	17.5+						MAI	Vol.	(cm)
15.0	1.1	0	0	0.00	0	0.00	0	0.3	3339	4	0	0.0	0
25.0	2.8	1	0	0.00	0	0.00	0	0.6	3248	9	0	0.0	0
35.0	5.0	2	0	0.00	0	0.00	1	2.0	3158	25	0	0.0	0
45.0	7.3	12	1	0.02	0	0.00	4	4.1	3084	46	1	6.1	30
55.0	9.4	28	5	0.09	0	0.01	8	5.9	3026	65	4	13.7	67
65.0	11.3	51	18	0.27	3	0.04	13	7.5	2982	73	14	15.5	69
75.0	13.0	87	47	0.62	18	0.24	19	9.0	2924	78	28	17.7	70
85.0	14.5	129	83	0.97	40	0.47	24	10.4	2859	80	43	20.0	71
95.0	16.0	170	123	1.29	74	0.78	28	11.5	2733	81	60	22.0	69
105.0	17.2	209	162	1.55	110	1.05	32	12.5	2592	81	77	23.6	66
115.0	18.4	245	198	1.72	146	1.27	35	13.5	2429	80	93	25.1	63
125.0	19.5	279	232	1.85	183	1.46	37	14.6	2219	80	110	26.3	61
135.0	20.5	309	262	1.94	217	1.60	39	15.7	2027	80	126	27.4	59
145.0	21.4	337	290	2.00	247	1.71	41	16.7	1863	79	142	28.4	57
155.0	22.2	363	315	2.03	275	1.78	42	17.6	1730	79	158	29.3	56
165.0	23.0	387	338	2.05	301	1.82	43	18.5	1607	78	173	30.1	55
175.0	23.8	408	359	2.05	324	1.85	44	19.4	1493	78	187	30.8	54
185.0	24.4	430	380	2.05	347	1.87	45	20.2	1403	77	202	31.6	53
195.0	25.1	452	400	2.05	369	1.89	46	20.9	1332	77	219	32.3	52
205.0	25.7	472	419	2.04	389	1.90	46	21.5	1265	77	234	33.0	51
215.0	26.2	491	436	2.03	408	1.90	47	22.2	1203	76	249	33.6	50
225.0	26.7	508	452	2.01	425	1.89	47	22.9	1144	76	262	34.2	49
235.0	27.2	524	467	1.99	440	1.87	47	23.4	1096	75	275	34.7	48
245.0	27.7	538	479	1.96	454	1.85	48	23.8	1069	75	288	35.2	48

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WintIPSY Version 1.3
 DATE : Jun 03/98; 09:14:32

SPECIES : 75% White Spruce
 SPECIES : 25% Western Hemlock
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

SITE : 28.45 m @ bh age 50
 SITE : 28.45 m @ bh age 50
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU24N.TIP

OAfs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
7.24	75.0	543	Merchantable 12.5+
7.09	75.0	532	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI				Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	CC (%)					MRCH Vol.	DBHg (cm)	LC (%)	
15.0	0.8	0	0	0.00	0	0.00	0	0.2	3343	2	0	0.0	0
25.0	4.4	4	0	0.01	0	0.00	1	2.4	3152	24	0	1.9	10
35.0	10.9	62	26	0.76	10	0.28	15	8.1	2911	75	18	15.7	68
45.0	17.3	220	173	3.84	120	2.66	35	14.4	2128	83	77	24.6	54
55.0	22.7	384	332	6.03	291	5.28	45	20.1	1426	83	156	30.3	45
65.0	27.2	533	459	7.07	435	6.69	50	24.5	1065	82	244	34.9	40
75.0	30.8	649	543	7.24	532	7.09	52	28.2	836	82	325	38.2	37
85.0	33.7	748	606	7.13	601	7.08	53	31.4	684	82	404	40.8	36
95.0	36.1	830	647	6.81	645	6.79	52	34.3	566	81	474	42.9	34
105.0	38.2	898	677	6.45	676	6.44	52	36.6	491	79	536	44.4	33
115.0	39.9	956	701	6.10	701	6.09	51	38.5	437	78	592	45.7	33

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jun 03/98; 09:16:36

SPECIES : 76% White Spruce SITE : 20.10 m @ bh age 50
 SPECIES : 24% Western Hemlock SITE : 20.10 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU25N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
4.57	95.0	434	Merchantable 12.5+
4.39	105.0	461	Merchantable 17.5+

250 Prime12.5+													
Volume (m3/ha) and MAI													
Age	Top					MEAN	STEM						
yrs	Ht.	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
15.0	0.6	0	0	0.00	0	0.00	0	0.2	3353	2	0	0.0	
25.0	2.6	0	0	0.00	0	0.00	0	0.9	3226	10	0	0.0	
35.0	6.5	11	1	0.03	0	0.00	4	4.0	3047	46	1	3.3	
45.0	10.8	56	21	0.47	6	0.14	14	7.9	2897	75	17	15.3	
55.0	14.8	151	103	1.88	57	1.04	28	12.0	2461	82	50	21.5	
65.0	18.4	253	206	3.17	153	2.35	38	15.7	1948	82	91	26.0	
75.0	21.6	344	294	3.92	250	3.33	43	18.8	1540	82	136	29.2	
85.0	24.3	430	372	4.38	338	3.98	46	21.7	1256	82	184	32.1	
95.0	26.6	503	434	4.57	408	4.30	49	24.0	1078	81	230	34.3	
105.0	28.6	563	480	4.57	461	4.39	50	25.8	954	81	271	36.1	
115.0	30.3	616	515	4.48	503	4.37	50	27.6	840	80	310	37.7	
125.0	31.8	660	546	4.37	537	4.30	51	29.1	765	80	345	39.0	
135.0	33.0	701	571	4.23	565	4.19	51	30.6	697	80	381	40.2	
145.0	34.2	737	590	4.07	587	4.05	51	32.0	633	79	413	41.2	
155.0	35.2	768	605	3.90	603	3.89	50	33.2	584	78	442	42.1	
165.0	36.1	794	617	3.74	615	3.73	50	34.2	545	78	468	42.8	
175.0	36.9	817	628	3.59	627	3.58	50	35.2	511	77	493	43.4	
185.0	37.6	838	636	3.44	635	3.43	49	36.0	485	76	515	44.0	
195.0	38.3	856	643	3.30	642	3.29	49	36.7	462	76	536	44.5	
205.0	38.8	872	649	3.16	648	3.16	49	37.4	441	75	555	44.9	
215.0	39.4	887	655	3.04	654	3.04	48	38.0	424	74	574	45.3	
225.0	39.9	900	660	2.93	659	2.93	48	38.6	410	74	592	45.7	
235.0	40.3	911	664	2.82	664	2.82	48	39.1	396	73	608	46.0	
245.0	40.7	922	668	2.72	667	2.72	47	39.6	384	72	623	46.3	

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WintIPSY Version 1.3
 DATE : Jul 04/98; 10:53:22

SPECIES : 78% White Spruce SITE : 12.25 m @ bh age 50
 SPECIES : 22% Western Hemlock SITE : 12.25 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU26N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.40	155.0	373	Merchantable 12.5+
2.24	165.0	369	Merchantable 17.5+

Top		Volume (m3/ha) and MAI					MEAN STEM			250 Prime12.5+			
Age	Ht.	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	

15.0	0.4	0	0	0.00	0	0.00	0	0.2	3363	1	0	0.0	0
25.0	1.6	0	0	0.00	0	0.00	0	0.3	3273	5	0	0.0	0
35.0	3.3	1	0	0.00	0	0.00	0	1.3	3175	14	0	0.0	0
45.0	5.5	6	0	0.01	0	0.00	2	3.1	3062	35	0	1.9	9
55.0	7.9	21	3	0.05	0	0.00	7	5.4	2967	59	2	10.0	49
65.0	10.3	46	13	0.20	2	0.03	13	7.5	2878	73	13	14.8	68
75.0	12.6	92	48	0.63	18	0.24	20	9.8	2674	79	29	18.3	66
85.0	14.7	143	96	1.13	50	0.59	27	11.9	2416	81	47	21.4	60
95.0	16.6	194	148	1.55	95	1.00	32	13.8	2158	81	67	23.9	55
105.0	18.4	245	199	1.89	146	1.39	37	15.6	1928	81	89	26.0	51
115.0	20.0	289	243	2.11	194	1.69	40	17.2	1708	80	111	27.6	48
125.0	21.5	328	280	2.24	237	1.89	41	18.6	1528	80	132	29.1	46
135.0	22.8	367	315	2.34	277	2.05	43	19.9	1383	80	154	30.5	45
145.0	24.0	403	347	2.39	314	2.16	44	21.1	1263	79	175	31.7	43
155.0	25.1	434	373	2.40	344	2.22	45	22.2	1168	79	195	32.8	42
165.0	26.1	461	395	2.39	369	2.24	46	23.2	1088	78	213	33.7	41
175.0	27.0	485	413	2.36	391	2.23	46	24.1	1021	78	231	34.5	40
185.0	27.8	507	429	2.32	410	2.22	47	24.9	957	77	247	35.3	39
195.0	28.5	527	441	2.26	425	2.18	47	25.7	897	77	262	36.0	39
205.0	29.2	544	452	2.21	439	2.14	47	26.5	843	77	276	36.6	38
215.0	29.8	559	462	2.15	450	2.09	47	27.1	806	76	290	37.1	38
225.0	30.4	572	470	2.09	460	2.04	47	27.7	775	76	302	37.6	38
235.0	31.0	584	478	2.03	469	1.99	47	28.2	747	75	313	38.0	37
245.0	31.4	595	484	1.98	476	1.94	47	28.7	720	75	324	38.4	37

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jun 03/98; 09:20:05

SPECIES : 74% Lodgepole Pine
 SPECIES : 21% Western Hemlock
 SPECIES : 5% White Spruce

SITE : 18.60 m @ bh age 50
 SITE : 18.60 m @ bh age 50
 SITE : 18.60 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU27N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
3.79	95.0	360	Merchantable 12.5+
3.58	105.0	376	Merchantable 17.5+

		Volume (m3/ha) and MAI									250 Prime12.5+		
	Top							MEAN	STEM				
Age	Ht.	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
15.0	1.1	0	0	0.00	0	0.00	0	0.2	3320	8	0	0.0	0
25.0	4.6	5	0	0.00	0	0.00	2	2.9	3113	47	0	1.0	7
35.0	8.9	41	12	0.33	2	0.05	12	7.5	2819	73	9	13.7	72
45.0	12.6	102	63	1.40	26	0.57	23	10.9	2422	81	30	18.9	65
55.0	15.8	178	136	2.48	87	1.57	31	13.9	2075	83	58	22.8	57
65.0	18.4	245	203	3.12	157	2.41	37	16.1	1796	82	87	25.6	52
75.0	20.5	311	267	3.56	228	3.04	41	18.5	1515	82	119	27.9	47
85.0	22.3	364	317	3.73	284	3.34	43	20.5	1296	82	147	29.7	45
95.0	23.9	414	360	3.79	334	3.52	44	22.3	1135	81	176	31.2	43
105.0	25.2	457	397	3.78	376	3.58	45	23.8	1020	81	203	32.5	41
115.0	26.3	494	427	3.72	411	3.57	46	24.9	950	80	227	33.6	40
125.0	27.3	526	454	3.63	441	3.53	47	25.9	890	80	250	34.6	39
135.0	28.2	556	476	3.53	466	3.45	47	26.9	836	79	273	35.4	38
145.0	28.9	583	495	3.42	488	3.37	48	27.8	789	79	294	36.2	38
155.0	29.6	607	513	3.31	508	3.28	48	28.6	745	79	314	36.9	37
165.0	30.2	630	527	3.20	524	3.17	48	29.4	710	78	334	37.6	37
175.0	30.8	650	540	3.08	537	3.07	48	30.0	679	77	353	38.1	36
185.0	31.3	668	550	2.97	548	2.96	48	30.6	651	76	370	38.7	36
195.0	31.7	683	559	2.87	558	2.86	48	31.2	625	76	385	39.1	36
205.0	32.1	698	568	2.77	567	2.77	48	31.7	604	75	400	39.6	35

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jun 03/98; 09:23:17

SPECIES : 83% Lodgepole Pine
 SPECIES : 17% Western Hemlock
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

SITE : 13.20 m @ bh age 50
 SITE : 13.20 m @ bh age 50
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU28N.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.04	125.0	255	Merchantable 12.5+
1.79	145.0	260	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN BA (m2)	STEM DBHg (cm)	COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+	Unused MAI				CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
15.0	0.9	0	0	0.00	0	0.00	0	0.1	3330	7	0	0.0	0
25.0	3.2	2	0	0.00	0	0.00	0	1.3	3178	32	0	0.0	0
35.0	6.0	9	0	0.00	0	0.00	4	4.1	3037	62	0	2.4	18
45.0	8.6	35	8	0.17	1	0.02	11	7.1	2846	75	7	13.9	81
55.0	10.9	70	32	0.58	8	0.14	18	9.5	2580	80	19	16.9	72
65.0	12.9	109	69	1.06	29	0.44	24	11.4	2341	81	32	19.4	65
75.0	14.6	150	110	1.46	60	0.79	29	13.1	2130	82	48	21.7	59
85.0	16.1	186	146	1.71	95	1.12	32	14.5	1951	82	62	23.3	56
95.0	17.4	216	176	1.85	128	1.35	34	15.5	1816	81	75	24.7	53
105.0	18.5	244	203	1.93	159	1.52	36	16.6	1680	81	89	25.8	51
115.0	19.5	273	231	2.01	190	1.66	38	17.6	1555	80	103	26.8	49
125.0	20.3	298	255	2.04	217	1.74	39	18.6	1451	80	116	27.7	47
135.0	21.1	318	275	2.04	240	1.78	40	19.4	1359	80	128	28.5	46
145.0	21.7	337	292	2.01	260	1.79	41	20.1	1279	79	139	29.1	45
155.0	22.3	353	308	1.99	277	1.79	41	20.8	1212	79	149	29.7	44
165.0	22.9	369	322	1.95	293	1.78	42	21.4	1153	78	159	30.3	43
175.0	23.4	383	334	1.91	307	1.76	42	22.0	1100	78	169	30.8	43
185.0	23.8	395	344	1.86	320	1.73	42	22.5	1059	77	178	31.2	42
195.0	24.2	406	353	1.81	330	1.69	42	22.9	1021	77	186	31.6	42
205.0	24.6	415	362	1.76	340	1.66	42	23.3	987	77	193	32.0	41
215.0	25.0	424	369	1.72	349	1.62	42	23.7	956	76	200	32.3	41
225.0	25.3	432	376	1.67	357	1.59	42	24.1	933	76	207	32.6	40
235.0	25.6	439	382	1.63	364	1.55	42	24.3	913	75	214	32.9	40
245.0	25.8	446	388	1.58	371	1.51	43	24.6	895	75	221	33.2	40

REGENERATED STAND YIELD TABLES
PLANTED



STERLING WOOD
GROUP INC.

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:41:22

SPECIES : 88% Western Hemlock
 SPECIES : 12% Sitka Spruce
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated
 DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU1P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
10.80	85.0	918	Merchantable 12.5+
10.76	85.0	915	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN BA (m2)	STEM DBHg (cm)	COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+	Unused MAI				CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
5.0	0.7	0	0	0.00	0	0.00	0	0.6	1183	2	0	0.0	0
15.0	5.4	3	0	0.00	0	0.00	1	3.9	1142	26	0	0.0	0
25.0	11.7	60	37	1.49	9	0.37	15	13.3	1110	79	20	17.3	70
35.0	17.6	219	191	5.47	169	4.83	34	19.9	1100	84	89	25.9	67
45.0	22.7	382	349	7.77	334	7.41	46	23.4	1080	83	178	31.7	56
55.0	27.1	550	512	9.31	499	9.07	56	26.6	1009	83	287	36.8	49
65.0	30.8	705	657	10.11	649	9.98	63	29.5	927	82	406	41.1	45
75.0	34.1	859	799	10.66	794	10.59	69	32.2	846	82	541	45.2	43
85.0	36.9	994	918	10.80	915	10.76	73	35.0	756	82	670	48.5	41
95.0	39.3	1112	1014	10.67	1013	10.66	75	37.8	671	81	790	51.2	40
105.0	41.5	1231	1110	10.57	1109	10.56	78	40.5	603	81	917	53.8	38
115.0	43.5	1341	1197	10.41	1197	10.41	79	42.9	549	80	1039	56.1	37
125.0	45.2	1438	1273	10.19	1273	10.19	81	45.2	503	80	1149	58.0	37
135.0	46.8	1515	1331	9.86	1330	9.86	82	47.2	466	79	1241	59.5	36
145.0	48.2	1586	1382	9.53	1382	9.53	82	49.2	433	79	1328	60.9	35
155.0	49.4	1658	1435	9.26	1435	9.26	83	51.0	406	79	1418	62.2	34
165.0	50.6	1721	1481	8.98	1481	8.98	83	52.8	381	78	1500	63.4	34
175.0	51.7	1774	1520	8.69	1520	8.69	84	54.1	364	78	1571	64.4	34
185.0	52.7	1821	1554	8.40	1554	8.40	84	55.4	349	77	1637	65.2	33
195.0	53.6	1863	1585	8.13	1585	8.13	84	56.6	335	77	1697	66.0	33
205.0	54.4	1906	1621	7.91	1621	7.91	85	57.6	326	76	1761	66.8	32
215.0	55.2	1945	1655	7.70	1655	7.70	86	58.4	319	76	1821	67.5	32
225.0	55.9	1980	1684	7.49	1684	7.49	86	59.2	312	76	1876	68.2	32
235.0	56.6	2011	1710	7.28	1710	7.28	86	60.0	306	75	1928	68.8	32
245.0	57.2	2036	1731	7.06	1731	7.06	87	60.6	300	75	1974	69.3	31

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:56:59

SPECIES : 91% Western Hemlock SITE : 19.99 m @ bh age 50
 SPECIES : 9% Sitka Spruce SITE : 19.99 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU2P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
6.29	125.0	786	Merchantable 12.5+
6.25	125.0	781	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN BA (m2)	STEM DBHg (cm)	COUNT /ha	CC (%)	250 Prime12.5+		
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI						MRCH Vol.	DBHg (cm)	LC (%)
5.0	0.5	0	0	0.00	0	0.00	0	0.5	1185	1	0	0.0	0
15.0	3.6	1	0	0.00	0	0.00	0	2.3	1155	13	0	0.0	0
25.0	7.7	14	3	0.10	0	0.00	5	7.7	1126	49	3	7.9	39
35.0	12.0	64	41	1.18	13	0.37	16	13.6	1106	79	22	17.6	70
45.0	15.8	163	138	3.06	111	2.47	29	18.2	1097	83	65	23.5	70
55.0	19.1	262	234	4.25	214	3.89	38	20.9	1091	83	112	27.6	64
65.0	22.1	355	324	4.99	308	4.74	44	22.9	1076	82	165	30.9	57
75.0	24.7	447	413	5.51	398	5.31	50	24.7	1044	82	223	33.9	53
85.0	27.1	540	503	5.92	490	5.76	55	26.5	996	82	287	36.7	49
95.0	29.2	621	579	6.09	569	5.99	59	28.1	948	81	350	39.0	47
105.0	31.1	699	652	6.21	644	6.13	62	29.6	905	81	415	41.2	45
115.0	32.8	775	722	6.28	716	6.22	65	30.9	865	80	482	43.3	44
125.0	34.3	845	786	6.29	781	6.25	67	32.3	821	80	549	45.2	43
135.0	35.7	909	844	6.25	840	6.22	69	33.7	777	79	613	46.9	42
145.0	36.9	966	891	6.15	889	6.13	70	34.9	734	79	672	48.3	41
155.0	38.1	1015	931	6.01	929	6.00	71	36.2	692	79	727	49.6	41
165.0	39.2	1059	967	5.86	966	5.85	72	37.4	654	78	778	50.7	40
175.0	40.2	1107	1004	5.74	1004	5.74	73	38.6	622	78	834	51.9	39
185.0	41.1	1151	1039	5.62	1039	5.61	73	39.7	592	77	887	53.0	39
195.0	41.9	1190	1071	5.49	1070	5.49	74	40.7	565	77	937	54.0	38
205.0	42.7	1228	1100	5.37	1100	5.36	74	41.7	542	76	985	54.9	38
215.0	43.4	1264	1127	5.24	1127	5.24	74	42.7	521	76	1032	55.7	37
225.0	44.1	1296	1152	5.12	1152	5.12	75	43.6	501	76	1076	56.5	37
235.0	44.7	1325	1174	5.00	1174	5.00	75	44.4	483	75	1117	57.2	37
245.0	45.3	1351	1194	4.87	1194	4.87	75	45.3	466	75	1155	57.9	37

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:58:10

SPECIES : 89% Western Hemlock SITE : 13.35 m @ bh age 50
 SPECIES : 11% Sitka Spruce SITE : 13.35 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU3P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
3.16	165.0	522	Merchantable 12.5+
3.09	165.0	510	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN STEM				250 Primel2.5+		
		Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
		0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
5.0	0.4	0	0	0.00	0	0.00	0	0.5	1186	1	0	0.0	0
15.0	2.6	1	0	0.00	0	0.00	0	1.3	1161	7	0	0.0	0
25.0	4.9	2	0	0.00	0	0.00	1	3.6	1140	23	0	0.0	0
35.0	7.6	14	2	0.07	0	0.00	5	7.6	1119	49	3	7.5	37
45.0	10.2	38	18	0.41	4	0.08	11	11.3	1104	69	12	15.2	68
55.0	12.5	78	55	1.01	26	0.47	18	14.5	1093	79	29	18.7	70
65.0	14.6	132	108	1.66	80	1.23	25	17.2	1085	81	52	22.1	71
75.0	16.6	187	161	2.14	137	1.82	31	19.1	1079	82	77	24.7	68
85.0	18.3	237	209	2.46	189	2.22	35	20.5	1072	82	101	26.9	66
95.0	19.9	285	256	2.69	237	2.50	39	21.6	1064	81	129	28.8	62
105.0	21.4	328	298	2.84	281	2.68	42	22.6	1055	81	155	30.4	58
115.0	22.7	371	340	2.95	324	2.82	45	23.5	1040	80	183	31.9	56
125.0	24.0	411	378	3.03	364	2.91	48	24.3	1023	80	211	33.3	54
135.0	25.1	451	416	3.09	403	2.98	50	25.1	1004	79	240	34.7	52
145.0	26.2	491	455	3.14	442	3.05	52	26.0	979	79	272	35.9	51
155.0	27.1	528	490	3.16	478	3.08	54	26.7	955	79	301	37.1	49
165.0	28.0	561	522	3.16	510	3.09	55	27.5	932	78	329	38.2	48
175.0	28.8	592	550	3.14	539	3.08	56	28.1	911	78	357	39.1	47
185.0	29.6	620	576	3.11	566	3.06	57	28.7	890	77	383	40.0	47
195.0	30.3	645	599	3.07	590	3.03	58	29.2	870	77	408	40.8	46
205.0	31.0	668	621	3.03	612	2.99	59	29.8	852	76	431	41.6	45
215.0	31.6	693	643	2.99	635	2.95	60	30.3	834	76	457	42.4	45
225.0	32.2	716	664	2.95	657	2.92	61	30.8	818	76	483	43.1	44
235.0	32.8	738	683	2.91	676	2.88	61	31.2	802	75	507	43.8	44
245.0	33.3	758	701	2.86	695	2.84	62	31.7	787	75	530	44.4	44

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:00:06

SPECIES : 88% Western Hemlock SITE : 16.98 m @ bh age 50
 SPECIES : 12% Sitka Spruce SITE : 16.98 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU4P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
4.79	145.0	695	Merchantable 12.5+
4.75	145.0	688	Merchantable 17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+						
Age yrs	Top Ht. (m)	Gross		Merch		Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
		0.0	12.5+	MAI	17.5+								
5.0	0.4	0	0	0.00	0	0.00	0	0.5	1185	1	0	0.0	0
15.0	3.1	1	0	0.00	0	0.00	0	1.6	1158	9	0	0.0	0
25.0	6.3	6	1	0.03	0	0.00	3	5.5	1131	35	1	2.2	11
35.0	9.9	35	16	0.45	3	0.08	10	10.9	1110	68	11	14.5	66
45.0	13.1	95	72	1.59	42	0.94	20	15.4	1097	80	36	19.7	71
55.0	16.1	173	148	2.68	122	2.22	30	18.6	1089	82	70	24.0	69
65.0	18.7	251	223	3.43	203	3.12	37	20.8	1083	82	107	27.3	64
75.0	21.1	322	292	3.90	275	3.67	42	22.4	1074	82	147	30.0	59
85.0	23.2	392	360	4.23	344	4.05	47	23.8	1054	82	190	32.4	55
95.0	25.1	460	425	4.47	411	4.33	51	25.1	1025	81	235	34.6	52
105.0	26.8	528	491	4.67	478	4.55	54	26.5	987	81	284	36.7	49
115.0	28.4	589	548	4.77	537	4.67	57	27.7	951	80	333	38.5	48
125.0	29.8	642	599	4.79	589	4.71	60	28.8	917	80	378	40.1	46
135.0	31.1	694	647	4.79	639	4.73	62	29.8	885	79	424	41.7	45
145.0	32.3	747	695	4.79	688	4.75	64	30.8	856	79	473	43.2	44
155.0	33.4	794	739	4.77	733	4.73	66	31.7	829	79	519	44.5	44
165.0	34.4	839	779	4.72	774	4.69	67	32.6	799	78	565	45.8	43
175.0	35.3	879	815	4.65	810	4.63	68	33.5	769	78	608	46.9	42
185.0	36.2	916	847	4.58	844	4.56	69	34.4	741	77	649	47.9	42
195.0	37.0	949	875	4.49	873	4.48	70	35.2	713	77	687	48.8	41
205.0	37.7	979	899	4.38	896	4.37	70	36.0	686	76	723	49.7	41
215.0	38.4	1006	920	4.28	918	4.27	70	36.8	660	76	757	50.4	40
225.0	39.1	1030	939	4.17	937	4.17	70	37.5	636	76	789	51.1	40
235.0	39.7	1052	955	4.06	954	4.06	71	38.3	613	75	819	51.8	39
245.0	40.3	1075	973	3.97	972	3.97	71	38.9	594	75	851	52.4	39

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:02:54

SPECIES : 96% Western Hemlock
 SPECIES : 4% Sitka Spruce

SITE : 12.27 m @ bh age 50
 SITE : 12.27 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU5P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
2.52	175.0	441	Merchantable	12.5+
2.44	185.0	452	Merchantable	17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					250 Prime12.5+						
		Gross	Merch	Merch	Unused	BA	MEAN	STEM	CC	MRCH	DBHg	LC	
		0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	DBHg (cm)	COUNT /ha	(%)	Vol.	(cm)	(%)	
5.0	0.4	0	0	0.00	0	0.00	0	0.5	1186	1	0	0.0	0
15.0	2.5	1	0	0.00	0	0.00	0	1.2	1163	7	0	0.0	0
25.0	4.6	2	0	0.00	0	0.00	1	3.3	1144	20	0	0.0	0
35.0	7.1	10	2	0.05	0	0.00	4	6.7	1125	42	2	5.2	25
45.0	9.4	28	10	0.21	1	0.03	9	10.0	1110	64	8	14.1	67
55.0	11.5	55	34	0.61	8	0.15	15	13.0	1099	76	19	17.0	70
65.0	13.4	98	75	1.15	46	0.71	21	15.6	1091	80	37	19.9	71
75.0	15.2	142	118	1.57	90	1.20	26	17.6	1084	81	57	22.7	71
85.0	16.7	185	160	1.88	136	1.60	31	19.0	1078	81	77	24.7	69
95.0	18.2	225	198	2.08	177	1.86	34	20.2	1072	81	96	26.4	66
105.0	19.5	262	235	2.24	215	2.05	37	21.1	1065	81	117	27.9	63
115.0	20.7	296	268	2.33	250	2.18	40	21.8	1058	80	137	29.2	60
125.0	21.8	329	300	2.40	283	2.27	42	22.5	1048	80	158	30.4	58
135.0	22.8	361	331	2.45	315	2.33	44	23.2	1035	79	179	31.5	56
145.0	23.7	390	359	2.47	344	2.37	46	23.8	1023	79	199	32.5	55
155.0	24.6	418	386	2.49	372	2.40	47	24.4	1008	79	219	33.5	53
165.0	25.4	448	415	2.51	401	2.43	49	25.0	988	78	242	34.4	52
175.0	26.1	475	441	2.52	427	2.44	50	25.6	969	78	263	35.3	51
185.0	26.8	500	465	2.51	452	2.44	51	26.2	951	77	283	36.1	50
195.0	27.5	523	487	2.50	475	2.44	52	26.7	934	77	302	36.9	49
205.0	28.1	544	506	2.47	495	2.41	53	27.1	916	76	321	37.6	48
215.0	28.7	562	524	2.44	513	2.39	54	27.5	900	76	339	38.2	48
225.0	29.2	580	540	2.40	530	2.35	54	27.9	884	76	356	38.8	47
235.0	29.7	595	554	2.36	545	2.32	55	28.3	870	75	372	39.3	47
245.0	30.2	610	568	2.32	559	2.28	55	28.7	855	75	387	39.9	46

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WintIPSY Version 1.3
 DATE : Jul 04/98; 11:05:18

SPECIES : 97% Western Hemlock
 SPECIES : 3% Sitka Spruce

SITE : 28.69 m @ bh age 50
 SITE : 28.69 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU6P.TXT

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
11.23	85.0	955	Merchantable	12.5+
11.21	85.0	953	Merchantable	17.5+

		Volume (m3/ha) and MAI									250 Prime12.5+		
	Top						MEAN	STEM					
Age	Ht.	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
5.0	0.7	0	0	0.00	0	0.00	0	0.7	1183	2	0	0.0	
15.0	5.8	3	0	0.00	0	0.00	2	4.2	1143	29	0	0.0	
25.0	12.5	74	52	2.07	22	0.89	18	14.2	1115	80	27	18.3	
35.0	18.5	241	214	6.10	192	5.49	36	20.3	1107	84	101	26.7	
45.0	23.7	407	375	8.33	359	7.97	48	23.7	1082	83	193	32.3	
55.0	28.1	583	545	9.90	532	9.68	57	27.0	995	83	311	37.3	
65.0	31.9	748	698	10.74	691	10.62	64	29.9	912	82	440	41.7	
75.0	35.2	906	842	11.23	838	11.17	69	32.8	820	82	580	45.6	
85.0	38.0	1040	955	11.23	953	11.21	72	35.7	722	82	710	48.7	
95.0	40.6	1170	1060	11.16	1059	11.15	75	38.6	639	81	844	51.6	
105.0	42.8	1294	1160	11.05	1160	11.04	77	41.3	573	81	977	54.2	
115.0	44.8	1409	1251	10.88	1251	10.88	78	43.8	520	80	1105	56.4	
125.0	46.6	1500	1320	10.56	1320	10.56	79	46.0	478	80	1210	58.2	
135.0	48.2	1581	1380	10.22	1380	10.22	80	48.1	442	79	1306	59.7	
145.0	49.6	1664	1442	9.95	1442	9.95	81	50.1	412	79	1408	61.1	
155.0	51.0	1739	1497	9.66	1497	9.66	82	52.0	385	79	1501	62.5	
165.0	52.2	1800	1543	9.35	1543	9.35	82	53.4	367	78	1581	63.5	
175.0	53.3	1854	1583	9.05	1583	9.05	83	54.8	351	78	1654	64.5	
185.0	54.3	1906	1625	8.78	1625	8.78	84	56.0	338	77	1726	65.4	
195.0	55.3	1957	1669	8.56	1669	8.56	84	57.0	330	77	1799	66.3	
205.0	56.1	2003	1709	8.33	1709	8.33	85	58.0	322	76	1867	67.1	
215.0	57.0	2043	1744	8.11	1744	8.11	86	58.9	315	76	1929	67.8	
225.0	57.7	2077	1771	7.87	1771	7.87	86	59.6	308	76	1985	68.4	
235.0	58.4	2107	1796	7.64	1796	7.64	86	60.3	302	75	2037	69.0	
245.0	59.1	2134	1819	7.42	1819	7.42	87	61.0	296	75	2086	69.5	

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:06:46

SPECIES : 89% Western Hemlock
 SPECIES : 11% Sitka Spruce

SITE : 19.88 m @ bh age 50
 SITE : 19.88 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU7P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
6.27	125.0	783	Merchantable 12.5+
6.23	125.0	778	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN STEM				250 Prime12.5+		
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI	BA (m2)	DBHg (cm)	COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)	
5.0	0.5	0	0	0.00	0	0.00	0	0.5	1185	1	0	0.0	0
15.0	3.5	1	0	0.00	0	0.00	0	2.3	1155	12	0	0.0	0
25.0	7.6	14	2	0.10	0	0.00	5	7.6	1125	49	3	7.5	37
35.0	11.8	62	39	1.12	11	0.32	16	13.5	1105	79	21	17.5	70
45.0	15.6	161	135	3.01	108	2.41	28	18.2	1096	83	64	23.4	70
55.0	19.0	260	231	4.20	212	3.85	37	20.9	1089	83	111	27.6	64
65.0	22.0	353	322	4.95	306	4.70	44	22.9	1075	82	164	30.9	57
75.0	24.6	444	410	5.47	395	5.27	50	24.7	1045	82	221	33.9	53
85.0	27.0	537	500	5.89	487	5.73	55	26.5	996	82	285	36.7	49
95.0	29.1	619	577	6.07	566	5.96	59	28.1	948	81	348	39.1	47
105.0	31.0	696	649	6.18	641	6.10	62	29.6	905	81	413	41.3	45
115.0	32.6	772	720	6.26	713	6.20	65	31.0	865	80	481	43.4	44
125.0	34.2	842	783	6.27	778	6.23	68	32.3	823	80	548	45.3	43
135.0	35.6	907	841	6.23	837	6.20	69	33.7	779	79	612	47.0	42
145.0	36.8	964	890	6.14	887	6.12	71	35.0	737	79	671	48.5	41
155.0	38.0	1013	930	6.00	928	5.99	72	36.2	695	79	727	49.7	41
165.0	39.1	1058	966	5.85	964	5.84	72	37.5	657	78	778	50.9	40
175.0	40.0	1104	1002	5.73	1001	5.72	73	38.6	624	78	832	52.0	39
185.0	41.0	1148	1037	5.60	1036	5.60	74	39.7	595	77	886	53.1	39
195.0	41.8	1187	1068	5.48	1068	5.48	74	40.8	568	77	935	54.1	38
205.0	42.6	1224	1097	5.35	1096	5.35	75	41.8	543	76	982	55.0	38
215.0	43.3	1259	1124	5.23	1123	5.23	75	42.7	522	76	1029	55.8	37
225.0	44.0	1291	1148	5.10	1148	5.10	75	43.6	503	76	1073	56.6	37
235.0	44.6	1321	1170	4.98	1170	4.98	75	44.5	484	75	1114	57.3	37
245.0	45.2	1347	1190	4.86	1190	4.86	75	45.3	467	75	1152	58.0	37

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:09:20

SPECIES : 96% Western Hemlock
 SPECIES : 4% Sitka Spruce
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

SITE : 11.97 m @ bh age 50
 SITE : 11.97 m @ bh age 50
 DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU8P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.39	175.0	419	Merchantable 12.5+
2.32	185.0	429	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross	Merch	Merch	Unused	MAI				CC	MRCH	DBHg	LC
		0.0	12.5+ MAI	17.5+ MAI						(%)	Vol.	(cm)	(%)
5.0	0.4	0	0	0.00	0	0.00	0	0.5	1186	1	0	0.0	0
15.0	2.5	1	0	0.00	0	0.00	0	1.2	1163	7	0	0.0	0
25.0	4.5	2	0	0.00	0	0.00	1	3.2	1144	19	0	0.0	0
35.0	6.9	9	1	0.04	0	0.00	4	6.3	1126	40	2	4.4	22
45.0	9.2	25	7	0.15	1	0.02	8	9.7	1111	62	6	13.8	67
55.0	11.2	51	30	0.55	7	0.13	14	12.6	1100	74	17	16.6	69
65.0	13.1	89	67	1.02	38	0.58	20	15.1	1091	79	34	19.4	70
75.0	14.8	132	108	1.44	80	1.07	25	17.2	1084	81	52	22.1	71
85.0	16.3	174	149	1.75	124	1.46	30	18.7	1078	81	72	24.1	69
95.0	17.7	212	186	1.96	164	1.72	33	19.8	1072	81	90	25.9	67
105.0	19.0	248	221	2.11	201	1.92	36	20.8	1065	81	110	27.4	64
115.0	20.2	282	254	2.21	236	2.05	39	21.5	1059	80	129	28.7	62
125.0	21.2	312	284	2.27	267	2.14	41	22.2	1052	80	148	29.9	59
135.0	22.2	343	314	2.33	298	2.21	43	22.9	1039	79	168	30.9	57
145.0	23.2	372	342	2.36	326	2.25	44	23.5	1027	79	188	31.9	56
155.0	24.0	398	367	2.37	352	2.27	46	24.0	1015	79	206	32.9	54
165.0	24.8	425	393	2.38	379	2.29	47	24.6	998	78	226	33.8	53
175.0	25.5	452	419	2.39	405	2.31	49	25.2	979	78	247	34.6	52
185.0	26.2	477	442	2.39	429	2.32	50	25.7	962	77	267	35.4	51
195.0	26.9	500	465	2.38	452	2.32	51	26.2	944	77	285	36.2	50
205.0	27.5	521	485	2.36	472	2.30	52	26.7	928	76	303	36.9	49
215.0	28.0	539	502	2.34	490	2.28	53	27.1	912	76	321	37.5	48
225.0	28.6	556	518	2.30	507	2.25	53	27.5	897	76	337	38.1	48
235.0	29.1	572	532	2.27	522	2.22	54	27.8	882	75	353	38.6	47
245.0	29.6	586	546	2.23	536	2.19	54	28.2	868	75	368	39.2	47

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.06.54 95-MAY-17
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:08:06

SPECIES : 77% Sitka Spruce
 SPECIES : 23% Western Hemlock
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

SITE : 28.03 m @ bh age 50
 SITE : 28.03 m @ bh age 50
 DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU9P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
11.78	85.0	1001	Merchantable 12.5+
11.76	85.0	1000	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN STEM					250 Prime12.5+		
		Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC		
		0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)		
5.0	0.5	0	0	0.00	0	0.00	0	0.5	1181	2	0	0.0	0	
15.0	4.4	3	0	0.00	0	0.00	1	3.7	1124	24	0	0.0	0	
25.0	10.5	60	35	1.38	14	0.57	14	12.9	1069	78	20	16.5	68	
35.0	16.7	233	200	5.73	183	5.22	35	20.6	1050	83	92	26.7	65	
45.0	22.3	431	390	8.66	378	8.41	52	25.5	1022	83	200	34.6	53	
55.0	27.0	609	561	10.19	551	10.02	65	29.3	958	83	328	41.1	47	
65.0	31.1	788	728	11.19	722	11.11	75	33.1	868	82	483	47.1	43	
75.0	34.4	951	876	11.68	873	11.64	82	36.6	783	82	641	52.0	40	
85.0	37.3	1095	1001	11.78	1000	11.76	88	39.9	703	82	790	56.0	38	
95.0	39.7	1224	1110	11.68	1109	11.68	92	43.1	632	81	931	59.4	37	
105.0	41.7	1335	1200	11.43	1200	11.43	95	46.1	569	81	1058	62.1	36	
115.0	43.5	1435	1278	11.11	1278	11.11	97	48.9	517	80	1177	64.4	34	
125.0	45.0	1519	1343	10.74	1342	10.74	98	51.5	473	80	1280	66.4	34	
135.0	46.3	1588	1387	10.28	1387	10.27	99	54.0	432	79	1369	67.9	33	
145.0	47.5	1648	1425	9.83	1425	9.83	99	56.4	396	79	1449	69.2	32	
155.0	48.5	1700	1458	9.41	1458	9.41	99	58.7	365	79	1522	70.4	32	
165.0	49.4	1746	1486	9.01	1486	9.01	99	60.5	343	78	1587	71.4	32	
175.0	50.2	1785	1509	8.62	1509	8.62	99	62.1	325	78	1645	72.3	31	
185.0	51.0	1817	1528	8.26	1528	8.26	98	63.7	309	77	1697	73.1	31	
195.0	51.6	1846	1546	7.93	1546	7.93	98	65.1	295	77	1745	73.8	31	
205.0	52.2	1872	1561	7.62	1561	7.62	98	66.2	285	76	1789	74.4	30	
215.0	52.8	1893	1574	7.32	1574	7.32	98	67.1	277	76	1829	74.9	30	
225.0	53.2	1912	1585	7.05	1585	7.05	98	67.9	270	76	1865	75.4	30	
235.0	53.7	1927	1594	6.78	1594	6.78	98	68.6	264	75	1898	75.8	30	
245.0	54.1	1939	1600	6.53	1600	6.53	97	69.3	258	75	1928	76.2	29	

PRODUCT : Managed Stand Yield Summary SOURCE : TASS v2.06.54 95-MAY-17
 AGENCY : MOF Research Branch VERSION : WintIPSY Version 1.3
 PROJECT : TFL 1 - Skeena Cellulose Inc. DATE : Jul 04/98; 10:26:18

SPECIES : 68% Sitka Spruce SITE : 18.14 m @ bh age 50
 SPECIES : 32% Western Hemlock SITE : 18.14 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU10P.TIP

OAfs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
6.53	125.0	816	Merchantable	12.5+
6.50	125.0	812	Merchantable	17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+							
Age	Top	Gross		Merch		Merch	Unused	BA	MEAN	STEM	CC	MRCH	DBHg	LC
yrs	Ht.	(m)	(m)	(m)	(m)	(m)	(m)	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)
		0.0	12.5	MAI	17.5	MAI	MAI							
5.0	0.4	0	0	0.00	0	0.00		0	0.4	1184	1	0	0.0	0
15.0	2.6	0	0	0.00	0	0.00		0	1.4	1149	9	0	0.0	0
25.0	5.8	7	0	0.02	0	0.00		3	5.6	1109	38	1	1.6	8
35.0	9.5	37	14	0.41	2	0.05		10	11.0	1075	73	12	14.3	66
45.0	13.3	124	97	2.15	67	1.50		24	16.8	1055	82	46	21.4	70
55.0	16.8	230	198	3.61	180	3.28		35	20.6	1046	83	93	26.6	65
65.0	20.1	342	305	4.70	292	4.50		45	23.5	1033	82	151	31.3	58
75.0	23.0	443	403	5.37	391	5.21		53	25.8	1007	82	215	35.3	53
85.0	25.7	538	494	5.81	483	5.68		59	27.9	973	82	284	38.8	49
95.0	28.1	633	585	6.15	576	6.06		65	30.0	925	81	364	42.2	46
105.0	30.2	725	670	6.38	663	6.32		70	32.0	875	81	446	45.3	44
115.0	32.1	810	748	6.50	743	6.46		74	33.8	829	80	527	48.1	42
125.0	33.8	886	816	6.53	812	6.50		78	35.5	785	80	606	50.4	41
135.0	35.3	958	880	6.52	877	6.50		81	37.1	745	79	682	52.6	40
145.0	36.7	1027	941	6.49	938	6.47		83	38.7	707	79	759	54.6	39
155.0	37.9	1088	993	6.41	992	6.40		85	40.2	670	79	830	56.3	38
165.0	39.1	1142	1039	6.29	1037	6.28		86	41.6	635	78	895	57.8	38
175.0	40.1	1190	1077	6.16	1076	6.15		87	43.0	602	78	954	59.1	37
185.0	41.0	1234	1111	6.01	1110	6.00		88	44.3	572	77	1012	60.3	36
195.0	41.9	1274	1142	5.86	1141	5.85		89	45.6	544	77	1065	61.4	36
205.0	42.7	1309	1169	5.70	1168	5.70		89	46.8	518	76	1115	62.4	35
215.0	43.4	1342	1194	5.55	1193	5.55		90	48.0	496	76	1162	63.3	35
225.0	44.0	1372	1212	5.39	1212	5.39		90	49.1	473	76	1206	64.1	34
235.0	44.6	1397	1228	5.23	1228	5.23		90	50.2	452	75	1246	64.9	34
245.0	45.2	1420	1243	5.07	1242	5.07		89	51.3	433	75	1283	65.6	34

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WintIPSY Version 1.3
 DATE : Jul 04/98; 10:28:46

SPECIES : 90% Western Hemlock SITE : 28.16 m @ bh age 50
 SPECIES : 10% Western Redcedar SITE : 28.16 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU14P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
10.93	85.0	929	Merchantable	12.5+
10.90	85.0	926	Merchantable	17.5+

		Volume (m3/ha) and MAI						250 Prime12.5+					
Age	Top	Gross	Merch	Merch	Unused	BA	MEAN	STEM	CC	MRCH	DBHg	LC	
yrs	Ht. (m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	DBHg (cm)	COUNT /ha	(%)	Vol.	(cm)	(%)	
5.0	0.7	0	0	0.00	0	0.00	0	0.6	1183	2	0	0.0	0
15.0	5.6	3	0	0.00	0	0.00	1	4.0	1141	27	0	0.0	0
25.0	12.1	65	43	1.71	14	0.54	16	13.7	1111	80	23	17.7	70
35.0	18.0	226	199	5.68	176	5.03	35	20.0	1102	84	93	26.2	66
45.0	23.1	387	356	7.91	340	7.55	46	23.3	1081	83	183	31.8	55
55.0	27.5	558	521	9.47	507	9.22	56	26.5	1007	83	294	36.8	48
65.0	31.2	715	669	10.29	660	10.15	63	29.3	929	82	417	41.2	45
75.0	34.4	869	810	10.80	804	10.72	68	32.1	845	82	553	45.1	43
85.0	37.3	1006	929	10.93	926	10.90	72	34.9	753	82	686	48.5	41
95.0	39.8	1129	1030	10.84	1029	10.83	75	37.7	669	81	814	51.3	39
105.0	42.0	1251	1129	10.75	1128	10.75	77	40.4	602	81	945	54.0	38
115.0	44.0	1365	1221	10.62	1221	10.62	79	42.8	549	80	1073	56.3	37
125.0	45.8	1461	1297	10.37	1296	10.37	80	45.0	505	80	1184	58.2	36
135.0	47.4	1543	1359	10.07	1359	10.07	81	47.0	469	79	1282	59.8	35
145.0	48.9	1623	1420	9.80	1420	9.79	82	48.9	438	79	1381	61.3	34
155.0	50.2	1698	1477	9.53	1477	9.53	83	50.8	411	79	1475	62.6	34
165.0	51.4	1763	1526	9.25	1526	9.25	84	52.4	390	78	1560	63.8	33
175.0	52.5	1818	1569	8.96	1569	8.96	85	53.7	373	78	1634	64.8	33
185.0	53.6	1868	1607	8.68	1607	8.68	85	54.9	359	77	1704	65.7	32
195.0	54.5	1916	1647	8.45	1647	8.45	86	56.0	348	77	1773	66.5	32
205.0	55.4	1962	1688	8.23	1688	8.23	87	56.9	340	76	1841	67.4	32
215.0	56.2	2005	1725	8.02	1725	8.02	87	57.8	333	76	1906	68.1	31
225.0	57.0	2044	1759	7.82	1759	7.82	88	58.7	325	76	1968	68.9	31
235.0	57.8	2077	1787	7.60	1787	7.60	88	59.4	319	75	2023	69.5	31
245.0	58.4	2106	1812	7.39	1812	7.39	89	60.1	313	75	2075	70.0	30

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:30:29

SPECIES : 93% Western Hemlock
 SPECIES : 7% White Spruce

SITE : 19.01 m @ bh age 50
 SITE : 19.01 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU15P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
5.48	125.0	685	Merchantable 12.5+
5.42	125.0	678	Merchantable 17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+						
Age yrs	Top Ht. (m)	Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+	Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
5.0	0.5	0	0	0.00	0	0.00	0	0.5	1185	1	0	0.0	0
15.0	3.4	1	0	0.00	0	0.00	0	2.1	1157	11	0	0.0	0
25.0	7.3	12	2	0.08	0	0.00	4	7.0	1131	44	2	6.2	30
35.0	11.3	52	31	0.89	7	0.20	14	12.7	1113	75	18	16.7	69
45.0	14.9	136	112	2.50	83	1.85	26	17.3	1103	82	53	22.4	71
55.0	18.1	224	198	3.60	175	3.19	35	20.0	1097	83	94	26.3	66
65.0	20.9	306	278	4.28	260	4.00	41	21.8	1090	82	138	29.3	59
75.0	23.4	386	356	4.74	340	4.53	46	23.4	1068	82	185	31.9	54
85.0	25.6	469	436	5.13	421	4.96	51	25.0	1027	82	238	34.4	51
95.0	27.6	544	507	5.34	495	5.21	54	26.5	982	81	291	36.5	48
105.0	29.4	608	567	5.40	557	5.31	57	27.8	938	81	340	38.4	46
115.0	31.0	673	627	5.46	619	5.38	59	29.0	899	80	394	40.2	45
125.0	32.4	735	685	5.48	678	5.42	62	30.2	864	80	448	41.9	44
135.0	33.7	793	736	5.45	731	5.41	63	31.3	825	79	502	43.4	43
145.0	34.9	845	783	5.40	778	5.37	65	32.4	785	79	554	44.8	42
155.0	36.0	892	823	5.31	820	5.29	66	33.5	747	79	601	46.1	42
165.0	37.1	933	855	5.18	853	5.17	66	34.5	709	78	646	47.1	41
175.0	38.0	970	884	5.05	882	5.04	67	35.6	673	78	688	48.1	40
185.0	38.9	1004	910	4.92	909	4.91	67	36.5	641	77	727	49.0	40
195.0	39.7	1041	939	4.81	938	4.81	68	37.4	614	77	772	49.9	39
205.0	40.4	1074	965	4.71	964	4.70	68	38.3	589	76	814	50.8	39
215.0	41.1	1105	989	4.60	988	4.60	68	39.2	566	76	853	51.6	38
225.0	41.8	1133	1011	4.49	1010	4.49	69	40.0	545	75	890	52.3	38
235.0	42.4	1162	1032	4.39	1032	4.39	69	40.7	527	75	928	53.0	38
245.0	43.0	1187	1052	4.29	1052	4.29	69	41.4	511	74	964	53.6	38

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:31:35

SPECIES : 93% Western Hemlock
 SPECIES : 7% White Spruce

SITE : 12.92 m @ bh age 50
 SITE : 12.92 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU16P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.68	165.0	443	Merchantable 12.5+
2.60	165.0	429	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross	Merch	Merch	Unused	MAI				CC	MRCH	DBHg	LC
		0.0	12.5+ MAI	17.5+ MAI						(%)	Vol.	(cm)	(%)
5.0	0.4	0	0	0.00	0	0.00	0	0.5	1186	1	0	0.0	0
15.0	2.6	1	0	0.00	0	0.00	0	1.2	1163	7	0	0.0	0
25.0	4.8	2	0	0.00	0	0.00	1	3.4	1144	21	0	0.0	0
35.0	7.4	12	2	0.06	0	0.00	5	7.2	1125	45	3	6.6	33
45.0	9.9	33	15	0.33	3	0.06	10	10.7	1111	66	10	14.9	68
55.0	12.1	64	42	0.76	13	0.24	16	13.6	1100	78	23	17.7	70
65.0	14.1	113	90	1.39	61	0.94	23	16.3	1092	80	44	21.0	71
75.0	15.9	160	136	1.81	109	1.45	28	18.2	1086	81	65	23.6	69
85.0	17.5	204	179	2.10	155	1.82	33	19.6	1080	81	85	25.6	67
95.0	19.0	245	219	2.30	198	2.08	36	20.6	1074	81	107	27.3	63
105.0	20.4	283	256	2.43	237	2.26	39	21.5	1067	81	128	28.7	60
115.0	21.6	319	291	2.53	273	2.38	41	22.3	1057	80	150	30.0	58
125.0	22.7	354	324	2.60	308	2.47	43	23.0	1044	80	171	31.2	56
135.0	23.8	385	354	2.63	339	2.51	45	23.7	1030	79	191	32.2	54
145.0	24.7	417	385	2.66	371	2.56	47	24.3	1011	79	213	33.3	52
155.0	25.6	448	415	2.68	401	2.59	48	25.0	988	79	235	34.3	51
165.0	26.4	476	443	2.68	429	2.60	50	25.6	967	78	256	35.2	50
175.0	27.2	502	467	2.67	455	2.60	51	26.2	946	78	276	36.0	49
185.0	27.9	525	489	2.64	477	2.58	52	26.7	926	77	295	36.7	48
195.0	28.5	546	508	2.60	497	2.55	53	27.2	907	77	314	37.4	47
205.0	29.1	565	526	2.56	516	2.52	53	27.6	890	76	331	38.1	47
215.0	29.7	582	542	2.52	533	2.48	54	28.0	873	76	347	38.7	46
225.0	30.3	599	557	2.48	549	2.44	54	28.4	857	76	363	39.2	46
235.0	30.8	618	574	2.44	566	2.41	55	28.8	842	75	382	39.8	45
245.0	31.2	635	589	2.41	582	2.37	55	29.2	828	75	400	40.4	45

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:35:03

SPECIES : 96% Western Hemlock
 SPECIES : 4% White Spruce

SITE : 16.34 m @ bh age 50
 SITE : 16.34 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU17P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
4.20	125.0	525	Merchantable 12.5+
4.11	145.0	596	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN STEM				250 Prime12.5+		
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI	BA (m2)	DBHg (cm)	COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)	
5.0	0.4	0	0	0.00	0	0.00	0	0.5	1186	1	0	0.0	0
15.0	3.0	1	0	0.00	0	0.00	0	1.5	1160	8	0	0.0	0
25.0	6.2	5	0	0.02	0	0.00	2	4.9	1136	32	0	1.3	6
35.0	9.6	30	12	0.34	2	0.06	9	10.3	1117	65	9	14.5	68
45.0	12.7	80	57	1.27	28	0.63	18	14.5	1105	79	29	18.7	70
55.0	15.5	151	126	2.30	98	1.79	27	17.8	1098	82	60	23.0	70
65.0	18.0	218	192	2.96	170	2.61	34	19.9	1092	82	91	26.1	67
75.0	20.2	282	255	3.39	235	3.14	39	21.3	1085	82	126	28.5	61
85.0	22.1	342	313	3.68	296	3.48	43	22.6	1072	82	160	30.5	57
95.0	23.9	399	368	3.87	352	3.71	47	23.7	1054	81	195	32.4	54
105.0	25.5	460	427	4.07	412	3.93	50	24.9	1020	81	236	34.2	51
115.0	27.0	515	480	4.17	467	4.06	53	26.0	987	80	273	35.8	49
125.0	28.3	562	525	4.20	513	4.10	55	27.0	954	80	310	37.2	48
135.0	29.5	605	564	4.18	554	4.11	56	27.9	924	79	345	38.5	47
145.0	30.6	648	604	4.17	596	4.11	58	28.7	896	79	382	39.8	46
155.0	31.6	690	644	4.15	636	4.10	60	29.5	871	79	420	41.0	45
165.0	32.6	729	680	4.12	673	4.08	61	30.3	847	78	456	42.1	44
175.0	33.4	765	712	4.07	707	4.04	62	31.0	821	78	492	43.2	44
185.0	34.2	799	742	4.01	737	3.99	63	31.7	793	77	527	44.1	43
195.0	35.0	830	769	3.95	765	3.92	63	32.5	768	77	560	45.0	43
205.0	35.7	858	794	3.87	791	3.86	64	33.1	743	76	591	45.8	42
215.0	36.4	883	814	3.79	812	3.77	64	33.8	719	76	620	46.5	42
225.0	37.0	905	832	3.70	829	3.69	65	34.4	695	76	648	47.1	41
235.0	37.6	925	847	3.61	845	3.60	65	35.0	672	75	674	47.7	41
245.0	38.1	943	862	3.52	860	3.51	65	35.6	651	75	699	48.3	41

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:37:13

SPECIES : 94% Western Hemlock SITE : 16.10 m @ bh age 50
 SPECIES : 6% Western Redcedar SITE : 16.10 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU18P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
4.09	125.0	511	Merchantable	12.5+
4.01	135.0	541	Merchantable	17.5+

Volume (m3/ha) and MAI														250 Prime12.5+		
Age	Top	Gross	Merch	Merch	Unused	BA	MEAN	STEM	COUNT	CC	MRCH	DBHg	LC			
ys	Ht.	0.0	12.5+	MAI	17.5+	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)			
5.0	0.4	0	0	0.00	0	0.00	0	0.5	1186	1	0	0.0	0			
15.0	3.0	1	0	0.00	0	0.00	0	1.5	1159	8	0	0.0	0			
25.0	6.2	4	0	0.01	0	0.00	2	4.7	1134	32	0	0.8	4			
35.0	9.5	29	10	0.29	2	0.04	9	10.1	1114	64	8	14.3	68			
45.0	12.6	75	52	1.17	23	0.51	18	14.3	1102	79	27	18.4	70			
55.0	15.3	145	120	2.19	92	1.67	27	17.6	1094	82	57	22.7	71			
65.0	17.7	211	185	2.85	162	2.49	33	19.7	1088	82	88	25.7	67			
75.0	19.8	274	246	3.28	227	3.03	38	21.2	1082	82	121	28.1	62			
85.0	21.7	333	304	3.57	287	3.37	42	22.4	1071	82	155	30.2	58			
95.0	23.5	388	357	3.76	341	3.59	46	23.5	1054	81	189	32.1	55			
105.0	25.0	445	413	3.93	398	3.79	49	24.6	1026	81	227	33.8	52			
115.0	26.5	500	466	4.05	452	3.93	52	25.7	995	80	265	35.5	50			
125.0	27.8	548	511	4.09	499	3.99	54	26.7	966	80	301	36.9	48			
135.0	28.9	590	552	4.09	541	4.01	56	27.5	938	79	335	38.2	47			
145.0	30.0	630	589	4.06	580	4.00	58	28.4	912	79	369	39.5	46			
155.0	31.0	673	629	4.06	621	4.00	59	29.1	888	79	408	40.7	45			
165.0	32.0	712	665	4.03	658	3.99	61	29.9	865	78	444	41.9	45			
175.0	32.8	747	698	3.99	691	3.95	62	30.6	844	78	477	42.9	44			
185.0	33.6	780	728	3.94	722	3.90	63	31.3	818	77	513	43.9	44			
195.0	34.4	811	756	3.87	750	3.85	64	32.0	793	77	545	44.7	43			
205.0	35.1	839	781	3.81	776	3.79	64	32.6	770	76	576	45.6	43			
215.0	35.7	864	803	3.74	800	3.72	65	33.2	748	76	605	46.3	42			
225.0	36.3	887	822	3.65	818	3.64	65	33.8	724	76	633	47.0	42			
235.0	36.9	907	838	3.57	835	3.55	65	34.4	702	75	660	47.6	42			
245.0	37.5	927	854	3.48	851	3.47	66	35.0	681	75	686	48.2	41			

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:39:48

SPECIES : 97% Western Hemlock SITE : 12.00 m @ bh age 50
 SPECIES : 3% Western Redcedar SITE : 12.00 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU19P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
2.28	175.0	399	Merchantable	12.5+
2.21	185.0	408	Merchantable	17.5+

		Volume (m3/ha) and MAI						250 Prime12.5+					
Age	Top	Gross	Merch	Merch	Unused	BA	MEAN	STEM	CC	MRCH	DBHg	LC	
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	DBHg (cm)	COUNT /ha	(%)	Vol.	(cm)	(%)	
5.0	0.4	0	0	0.00	0	0.00	0	0.5	1186	1	0	0.0	0
15.0	2.5	1	0	0.00	0	0.00	0	1.2	1163	7	0	0.0	0
25.0	4.6	2	0	0.00	0	0.00	1	3.2	1144	19	0	0.0	0
35.0	7.0	9	1	0.04	0	0.00	4	6.4	1126	40	2	4.6	23
45.0	9.2	25	7	0.16	1	0.02	8	9.7	1111	62	6	14.0	68
55.0	11.3	51	30	0.55	7	0.12	14	12.6	1100	74	17	16.6	69
65.0	13.1	88	65	1.01	36	0.56	19	15.0	1092	79	33	19.3	71
75.0	14.8	129	106	1.41	77	1.03	25	17.1	1085	81	51	22.0	71
85.0	16.2	169	145	1.70	119	1.40	29	18.5	1079	81	70	23.9	70
95.0	17.6	206	180	1.89	157	1.65	32	19.6	1073	81	87	25.6	67
105.0	18.8	240	213	2.03	193	1.84	35	20.5	1068	81	105	27.0	65
115.0	20.0	272	245	2.13	226	1.96	38	21.2	1062	80	123	28.2	62
125.0	21.0	300	273	2.18	256	2.04	40	21.9	1055	80	140	29.3	59
135.0	21.9	330	301	2.23	285	2.11	42	22.5	1044	79	158	30.4	58
145.0	22.8	356	327	2.25	311	2.15	43	23.1	1033	79	175	31.3	56
155.0	23.6	380	350	2.26	335	2.16	45	23.6	1022	79	191	32.2	55
165.0	24.4	406	375	2.27	360	2.18	46	24.1	1007	78	209	33.0	53
175.0	25.1	431	399	2.28	385	2.20	47	24.7	989	78	228	33.8	52
185.0	25.8	454	422	2.28	408	2.21	48	25.2	972	77	245	34.6	51
195.0	26.4	475	442	2.27	429	2.20	49	25.6	956	77	261	35.3	50
205.0	27.0	494	461	2.25	448	2.19	50	26.1	940	76	277	35.9	49
215.0	27.5	511	477	2.22	465	2.16	51	26.5	925	76	292	36.5	49
225.0	28.0	527	492	2.19	480	2.14	51	26.8	910	76	307	37.1	48
235.0	28.5	541	506	2.15	495	2.11	52	27.2	896	75	321	37.6	48
245.0	29.0	555	518	2.12	508	2.07	52	27.5	883	75	334	38.1	47

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:43:06

SPECIES : 98% Western Hemlock SITE : 11.98 m @ bh age 50
 SPECIES : 2% White Spruce SITE : 11.98 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU20P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
2.29	175.0	400	Merchantable	12.5+
2.21	185.0	409	Merchantable	17.5+

		Volume (m3/ha) and MAI						250 Prime12.5+					
Age yrs	Top Ht. (m)	Gross		Merch		Unused		MEAN BA (m2)	STEM DBHg (cm)	COUNT /ha	CC (%)	MRCH Vol. (cm)	LC (%)
		0.0	12.5+	0.0	12.5+	0.0	17.5+						
5.0	0.4	0	0	0.00	0	0.00	0	0	0.5	1186	1	0	0.0
15.0	2.5	1	0	0.00	0	0.00	0	0	1.2	1164	7	0	0.0
25.0	4.5	2	0	0.00	0	0.00	0	1	3.2	1145	19	0	0.0
35.0	7.0	9	1	0.04	0	0.00	0	4	6.4	1127	40	2	4.5
45.0	9.2	25	7	0.16	1	0.02	0	8	9.6	1113	62	6	13.9
55.0	11.2	50	30	0.54	7	0.12	0	14	12.5	1102	74	17	16.6
65.0	13.1	88	65	1.00	36	0.55	0	19	15.0	1094	79	33	19.3
75.0	14.7	129	105	1.40	77	1.02	0	25	17.1	1087	81	51	22.0
85.0	16.2	169	144	1.70	119	1.39	0	29	18.5	1081	81	69	23.9
95.0	17.6	206	180	1.90	157	1.65	0	33	19.6	1075	81	87	25.6
105.0	18.9	240	214	2.04	193	1.84	0	35	20.5	1069	81	105	27.0
115.0	20.0	272	245	2.13	226	1.97	0	38	21.2	1063	80	123	28.3
125.0	21.1	301	273	2.19	256	2.05	0	40	21.9	1057	80	140	29.4
135.0	22.0	330	302	2.24	285	2.11	0	42	22.5	1045	79	159	30.4
145.0	22.9	357	328	2.26	312	2.15	0	43	23.1	1033	79	176	31.3
155.0	23.7	381	351	2.27	336	2.17	0	45	23.6	1022	79	192	32.2
165.0	24.5	406	376	2.28	361	2.19	0	46	24.1	1006	78	209	33.0
175.0	25.2	432	400	2.29	386	2.21	0	47	24.7	988	78	228	33.8
185.0	25.9	455	423	2.28	409	2.21	0	48	25.2	970	77	246	34.6
195.0	26.5	476	443	2.27	430	2.21	0	49	25.7	953	77	262	35.3
205.0	27.1	496	462	2.25	449	2.19	0	50	26.1	937	76	277	36.0
215.0	27.6	513	478	2.22	466	2.17	0	51	26.5	922	76	293	36.5
225.0	28.1	528	493	2.19	482	2.14	0	51	26.9	906	76	308	37.1
235.0	28.6	543	507	2.16	496	2.11	0	52	27.2	892	75	321	37.6
245.0	29.1	556	519	2.12	509	2.08	0	52	27.6	878	75	334	38.1

SOURCE : TASS v2.05.24 93-JAN-07
VERSION : WinTIPSY Version 1.3
DATE : Jul 04/98; 10:45:10

SITE : 27.77 m @ bh age 50
SITE : 27.77 m @ bh age 50

ds for forest-level planning.
RAL applications.

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DELAY      : 3 years (Regeneration)
            : Plant 2 year old stock
FILE       : AU21P.TIP

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Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
10.63	85.0	903	Merchantable	12.5+
10.59	85.0	901	Merchantable	17.5+

Top		Volume (m3/ha) and MAI					MEAN STEM				250 Prime12.5+		
Age	Ht.	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	

5.0	0.7	0	0	0.00	0	0.00	0	0.7	1183	2	0	0.0	0
15.0	5.5	3	0	0.00	0	0.00	1	4.0	1145	27	0	0.0	0
25.0	12.0	61	38	1.53	9	0.36	16	13.4	1118	79	21	17.5	70
35.0	17.8	218	192	5.48	169	4.82	34	19.8	1109	84	89	25.9	67
45.0	22.9	375	345	7.66	328	7.29	46	23.1	1090	83	175	31.3	56
55.0	27.2	542	506	9.20	492	8.95	55	26.2	1016	83	281	36.1	49
65.0	30.9	693	647	9.96	639	9.82	61	28.9	934	82	395	40.1	46
75.0	34.1	845	787	10.50	782	10.42	67	31.6	853	82	525	44.0	44
85.0	36.9	978	903	10.63	901	10.59	70	34.3	761	82	650	47.1	42
95.0	39.4	1094	997	10.49	996	10.48	72	37.0	673	81	767	49.8	40
105.0	41.6	1213	1092	10.40	1092	10.40	74	39.6	605	81	893	52.3	39
115.0	43.5	1325	1181	10.27	1181	10.27	76	41.9	550	80	1015	54.6	38
User requests exceeded database limits													

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WintIPSY Version 1.3
 DATE : Jul 04/98; 10:47:02

SPECIES : 98% Western Hemlock SITE : 21.45 m @ bh age 50
 SPECIES : 2% White Spruce SITE : 21.45 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU22P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
6.89	115.0	793	Merchantable 12.5+
6.85	115.0	788	Merchantable 17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+						
Age	Top	Gross	Merch	Merch	Unused	BA	MEAN	STEM	CC	MRCH	DBHg	LC	
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	DBHg (cm)	COUNT /ha	(%)	Vol.	(cm)	(%)	
5.0	0.5	0	0	0.00	0	0.00	0	0.6	1185	1	0	0.0	0
15.0	4.0	2	0	0.00	0	0.00	1	2.7	1155	15	0	0.0	0
25.0	8.6	19	4	0.15	0	0.00	7	8.7	1126	57	4	11.7	58
35.0	13.1	90	67	1.91	38	1.07	20	15.1	1111	80	33	19.4	70
45.0	17.1	198	172	3.82	147	3.27	32	19.2	1104	83	81	25.0	68
55.0	20.7	300	272	4.94	253	4.61	40	21.7	1097	83	134	29.0	60
65.0	23.7	400	369	5.67	353	5.43	47	23.6	1073	82	192	32.2	54
75.0	26.4	507	472	6.29	458	6.11	53	25.6	1019	82	261	35.3	50
85.0	28.8	598	559	6.58	548	6.44	57	27.4	965	82	328	37.9	47
95.0	31.0	686	641	6.75	633	6.66	60	29.0	916	81	399	40.3	46
105.0	32.9	773	721	6.87	715	6.80	64	30.5	872	81	473	42.6	44
115.0	34.6	853	793	6.89	788	6.85	66	32.1	818	80	548	44.6	43
125.0	36.2	923	855	6.84	852	6.82	68	33.6	767	80	617	46.4	42
135.0	37.6	984	904	6.70	902	6.68	69	35.0	714	79	681	47.9	41
145.0	38.9	1039	947	6.53	946	6.53	70	36.5	667	79	740	49.2	40
155.0	40.1	1098	995	6.42	994	6.41	71	37.8	629	78	807	50.6	40
165.0	41.2	1152	1038	6.29	1037	6.29	71	39.1	594	78	869	51.9	39
175.0	42.2	1202	1077	6.16	1077	6.15	72	40.4	563	78	928	53.0	38
185.0	43.1	1250	1115	6.03	1115	6.03	73	41.5	537	77	987	54.1	38
195.0	44.0	1294	1149	5.89	1149	5.89	73	42.6	513	77	1042	55.0	38
205.0	44.8	1333	1180	5.76	1180	5.76	73	43.6	491	76	1094	56.0	37
215.0	45.6	1365	1204	5.60	1204	5.60	74	44.5	472	76	1137	56.7	37

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:49:25

SPECIES : 97% Western Hemlock
 SPECIES : 3% White Spruce

SITE : 11.48 m @ bh age 50
 SITE : 11.48 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU23P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.08	185.0	385	Merchantable 12.5+
2.01	195.0	392	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN STEM 250 Prime12.5+						
		Gross		Merch		Unused MAI	BA (m2)	DBHg (cm)	COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
		0.0	12.5+ MAI	17.5+ MAI									
5.0	0.4	0	0	0.00	0	0.00	0	0.5	1186	1	0	0.0	0
15.0	2.5	1	0	0.00	0	0.00	0	1.2	1164	6	0	0.0	0
25.0	4.3	2	0	0.00	0	0.00	1	3.0	1147	18	0	0.0	0
35.0	6.6	7	1	0.03	0	0.00	3	5.8	1129	37	1	3.1	15
45.0	8.8	20	4	0.09	0	0.00	7	9.0	1114	59	5	12.8	63
55.0	10.7	44	24	0.44	5	0.09	12	11.9	1103	71	14	15.9	69
65.0	12.5	73	51	0.79	22	0.34	17	14.2	1094	78	27	18.4	70
75.0	14.1	113	90	1.20	61	0.81	23	16.3	1087	80	44	21.0	71
85.0	15.6	150	126	1.48	99	1.16	27	17.9	1081	81	61	23.1	70
95.0	16.9	185	161	1.69	136	1.43	31	19.0	1075	81	77	24.7	68
105.0	18.1	217	192	1.83	170	1.62	34	20.0	1069	81	93	26.2	66
115.0	19.2	248	222	1.93	202	1.75	36	20.7	1063	80	110	27.4	64
125.0	20.2	276	249	1.99	231	1.85	38	21.4	1057	80	126	28.5	61
135.0	21.1	302	275	2.03	258	1.91	40	22.0	1050	79	142	29.5	59
145.0	22.0	328	300	2.07	283	1.95	41	22.5	1039	79	158	30.4	57
155.0	22.8	352	323	2.08	307	1.98	43	23.0	1028	79	174	31.2	56
165.0	23.6	373	344	2.08	328	1.99	44	23.5	1017	78	188	32.0	55
175.0	24.2	394	364	2.08	349	1.99	45	24.0	1005	78	202	32.7	54
185.0	24.9	416	385	2.08	371	2.01	46	24.4	987	77	219	33.5	52
195.0	25.5	437	405	2.08	392	2.01	47	24.9	970	77	235	34.1	52
205.0	26.1	456	424	2.07	410	2.00	48	25.3	954	76	250	34.8	51
215.0	26.6	473	440	2.05	428	1.99	49	25.8	939	76	264	35.4	50
225.0	27.1	489	456	2.03	444	1.97	50	26.1	925	76	277	36.0	49
235.0	27.6	504	469	2.00	457	1.95	50	26.5	911	75	290	36.5	49
245.0	28.0	517	481	1.97	470	1.92	51	26.8	897	75	303	36.9	48

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jun 03/98; 09:15:25

SPECIES : 75% White Spruce
 SPECIES : 25% Western Hemlock

SITE : 28.45 m @ bh age 50
 SITE : 28.45 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU24P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
8.23	65.0	535	Merchantable 12.5+
8.14	65.0	529	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI	CC (%)				MRCH Vol.	DBHg (cm)	LC (%)	
5.0	0.4	0	0	0.00	0	0.00	0	0.3	1185	1	0	0.0	0
15.0	4.3	2	0	0.00	0	0.00	1	2.9	1147	17	0	0.0	0
25.0	10.9	50	28	1.13	9	0.36	13	12.3	1109	75	19	16.6	68
35.0	17.3	198	175	5.00	146	4.18	33	19.6	1097	84	82	26.2	58
45.0	22.7	349	321	7.12	300	6.68	45	23.2	1066	83	157	31.7	46
55.0	27.2	491	452	8.22	440	7.99	53	26.5	963	83	242	36.0	41
65.0	30.8	597	535	8.23	529	8.14	56	29.4	821	82	317	39.0	38
75.0	33.7	693	601	8.01	598	7.97	57	32.1	705	82	392	41.5	37
85.0	36.1	770	638	7.51	637	7.49	56	34.6	595	81	458	43.5	35
95.0	38.1	834	663	6.98	662	6.97	55	36.9	511	79	517	45.0	34
105.0	39.8	892	686	6.54	686	6.54	54	38.8	453	78	573	46.3	34

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jun 03/98; 09:17:31

SPECIES : 76% White Spruce SITE : 20.10 m @ bh age 50
 SPECIES : 24% Western Hemlock SITE : 20.10 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU25P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
5.05	85.0	429	Merchantable 12.5+
4.90	85.0	416	Merchantable 17.5+

		Volume (m3/ha) and MAI						250 Prime12.5+					
Age yrs	Top Ht. (m)	Gross		Merch		Unused		MEAN BA (m2)	STEM DBHg (cm)	COUNT /ha	CC (%)	MRCH Vol. (cm)	LC (%)
		0.0	12.5+	MAI	17.5+	MAI	MAI						
5.0	0.3	0	0	0.00	0	0.00	0	0.3	1186	1	0	0.0	0
15.0	2.6	0	0	0.00	0	0.00	0	1.3	1160	7	0	0.0	0
25.0	6.5	8	1	0.03	0	0.00	3	5.8	1127	36	1	2.2	11
35.0	10.8	48	26	0.74	7	0.21	13	12.2	1103	74	18	16.4	68
45.0	14.9	134	112	2.49	80	1.79	26	17.4	1091	82	54	23.2	64
55.0	18.5	228	204	3.71	177	3.22	36	20.5	1084	83	96	27.6	54
65.0	21.6	310	284	4.36	262	4.03	42	22.5	1066	82	138	30.5	47
75.0	24.3	396	366	4.88	349	4.65	48	24.4	1025	82	187	33.3	44
85.0	26.6	465	429	5.05	416	4.90	52	26.1	966	82	230	35.5	41
95.0	28.6	519	474	4.99	464	4.89	53	27.5	894	81	267	37.1	40
105.0	30.3	567	510	4.86	504	4.80	54	29.0	817	81	303	38.5	38
115.0	31.7	611	542	4.72	538	4.68	55	30.2	767	80	338	39.8	38
125.0	33.0	650	569	4.55	565	4.52	55	31.4	713	80	372	40.9	37
135.0	34.2	686	590	4.37	588	4.36	55	32.6	660	79	404	41.9	36
145.0	35.2	715	603	4.16	602	4.15	55	33.6	613	79	431	42.8	36
155.0	36.1	739	613	3.95	612	3.95	54	34.6	572	78	456	43.4	35
165.0	36.9	760	621	3.76	620	3.76	53	35.5	537	77	478	44.1	35
175.0	37.6	781	628	3.59	627	3.58	53	36.3	508	76	501	44.6	34
185.0	38.2	799	634	3.43	633	3.42	52	37.1	482	76	522	45.1	34
195.0	38.8	815	639	3.28	639	3.28	51	37.8	458	75	541	45.6	34
205.0	39.4	830	645	3.15	645	3.15	51	38.4	440	74	560	46.0	34
215.0	39.8	843	650	3.02	650	3.02	51	39.0	424	74	578	46.4	34
225.0	40.3	855	654	2.91	654	2.91	50	39.5	410	73	595	46.7	34
235.0	40.7	866	658	2.80	658	2.80	50	40.0	397	72	610	47.1	34
245.0	41.1	874	661	2.70	661	2.70	50	40.5	385	72	624	47.3	34

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WintIPSY Version 1.3
 DATE : Jul 04/98; 10:54:25

SPECIES : 78% White Spruce
 SPECIES : 22% Western Hemlock

SITE : 12.25 m @ bh age 50
 SITE : 12.25 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU26P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.55	145.0	370	Merchantable 12.5+
2.45	145.0	355	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					250 Prime12.5+						
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)	
5.0	0.2	0	0	0.00	0	0.00	0	0.2	1187	0	0	0.0	0
15.0	1.6	0	0	0.00	0	0.00	0	0.6	1168	3	0	0.0	0
25.0	3.2	1	0	0.00	0	0.00	0	2.1	1149	11	0	0.0	0
35.0	5.5	5	0	0.01	0	0.00	2	4.7	1127	28	0	1.2	6
45.0	8.0	16	3	0.06	0	0.01	6	8.0	1108	52	3	11.4	55
55.0	10.4	39	18	0.33	3	0.06	11	11.4	1093	72	15	15.6	68
65.0	12.6	82	60	0.93	31	0.48	19	14.9	1082	79	33	19.9	68
75.0	14.8	128	107	1.42	75	1.00	25	17.3	1074	81	52	23.0	64
85.0	16.7	176	154	1.81	124	1.46	31	19.1	1068	81	74	25.5	58
95.0	18.5	221	198	2.08	171	1.80	35	20.5	1061	81	95	27.5	54
105.0	20.1	260	236	2.25	212	2.02	38	21.5	1051	81	115	29.0	50
115.0	21.5	297	271	2.36	250	2.18	41	22.4	1037	80	135	30.4	47
125.0	22.8	337	310	2.48	291	2.33	44	23.4	1016	80	158	31.8	45
135.0	24.0	372	343	2.54	327	2.42	46	24.2	992	79	179	33.0	44
145.0	25.1	401	370	2.55	355	2.45	47	25.0	966	79	197	34.0	43
155.0	26.1	425	391	2.52	378	2.44	48	25.7	936	79	214	34.8	42
165.0	27.0	447	409	2.48	398	2.41	49	26.3	903	78	230	35.6	41
175.0	27.8	467	424	2.42	415	2.37	49	26.9	868	78	244	36.2	40
185.0	28.5	484	437	2.36	429	2.32	50	27.6	832	77	258	36.8	40
195.0	29.2	500	448	2.30	441	2.26	50	28.2	799	77	271	37.4	39
205.0	29.8	514	458	2.23	452	2.20	50	28.7	774	76	283	37.9	39
215.0	30.4	526	467	2.17	461	2.14	50	29.1	752	76	295	38.4	38
225.0	31.0	538	474	2.11	469	2.09	50	29.5	732	76	306	38.8	38
235.0	31.5	548	481	2.05	476	2.03	50	29.9	712	75	316	39.2	38
245.0	31.9	558	486	1.98	482	1.97	50	30.3	689	75	327	39.6	37

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jun 03/98; 09:20:56

SPECIES : 74% Lodgepole Pine
 SPECIES : 21% Western Hemlock
 SPECIES : 5% White Spruce

SITE : 18.60 m @ bh age 50
 SITE : 18.60 m @ bh age 50
 SITE : 18.60 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU27P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
3.96	85.0	337	Merchantable 12.5+
3.84	95.0	365	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI				Unused MAI (m2)	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 CC (%)	Primel2.5+		
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	MAI						MRCH Vol.	DBHg (cm)	LC (%)
5.0	0.4	0	0	0.00	0	0.00	0	0.2	1183	2	0	0.0	0
15.0	3.5	2	0	0.00	0	0.00	1	2.5	1133	28	0	0.0	0
25.0	7.7	21	5	0.19	0	0.00	7	9.4	1085	67	5	11.5	74
35.0	11.7	71	51	1.46	22	0.62	18	14.8	1059	79	25	19.0	73
45.0	15.0	141	120	2.67	92	2.04	28	18.3	1048	82	53	23.4	62
55.0	17.7	202	179	3.26	157	2.86	34	20.3	1042	83	80	26.2	55
65.0	20.0	267	242	3.72	224	3.45	39	21.9	1032	82	111	28.6	49
75.0	21.9	318	292	3.90	277	3.69	43	23.1	1011	82	140	30.3	46
85.0	23.5	365	337	3.96	324	3.81	45	24.2	979	82	167	31.8	44
95.0	24.8	407	375	3.95	365	3.84	47	25.3	943	81	192	33.0	42
105.0	26.0	441	405	3.86	397	3.79	49	26.2	902	81	215	34.0	41
115.0	27.0	471	432	3.76	426	3.70	50	27.0	866	80	236	35.0	40
125.0	27.9	501	456	3.65	451	3.61	50	27.8	827	80	259	35.8	39
135.0	28.7	528	477	3.53	473	3.51	51	28.5	792	79	280	36.6	39
145.0	29.4	552	495	3.42	492	3.40	51	29.3	758	79	300	37.3	38
155.0	30.1	574	511	3.30	509	3.29	51	29.9	727	78	319	38.0	37
165.0	30.6	594	524	3.18	523	3.17	51	30.5	698	77	337	38.5	37
175.0	31.1	612	535	3.06	534	3.05	51	31.1	671	77	353	39.1	37
185.0	31.6	627	545	2.95	544	2.94	51	31.7	647	76	368	39.5	36
195.0	32.0	641	554	2.84	553	2.84	51	32.2	625	75	383	39.9	36
205.0	32.4	655	562	2.74	562	2.74	51	32.7	606	75	397	40.3	35

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jun 03/98; 09:23:58

SPECIES : 83% Lodgepole Pine SITE : 13.20 m @ bh age 50
 SPECIES : 17% Western Hemlock SITE : 13.20 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU28P.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.08	115.0	239	Merchantable 12.5+
1.95	125.0	243	Merchantable 17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+						
	Top							MEAN	STEM				
Age	Ht.	Gross	Merch	Merch	Unused		BA	DBHg	COUNT	CC	MRCH	DBHg	LC
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
5.0	0.3	0	0	0.00	0	0.00	0	0.2	1184	2	0	0.0	0
15.0	2.4	1	0	0.00	0	0.00	0	1.3	1145	17	0	0.0	0
25.0	5.1	6	0	0.00	0	0.00	2	5.1	1106	49	0	6.2	44
35.0	7.8	22	5	0.13	0	0.00	8	9.6	1075	70	6	12.8	83
45.0	10.3	52	32	0.71	8	0.18	15	13.4	1054	78	18	17.3	81
55.0	12.3	84	65	1.17	33	0.60	20	15.8	1041	81	30	20.1	72
65.0	14.1	125	105	1.62	75	1.16	26	17.9	1033	82	47	22.7	65
75.0	15.7	156	135	1.80	109	1.45	29	19.0	1026	82	60	24.2	60
85.0	17.0	184	163	1.91	139	1.64	32	20.0	1020	81	73	25.6	56
95.0	18.2	210	187	1.97	167	1.75	34	20.7	1014	81	85	26.7	53
105.0	19.2	238	214	2.04	196	1.87	36	21.4	1007	81	100	27.7	51
115.0	20.1	263	239	2.08	222	1.93	38	22.1	999	80	113	28.6	49
125.0	20.9	283	259	2.07	243	1.95	40	22.6	988	80	125	29.4	47
135.0	21.5	301	276	2.04	261	1.93	41	23.0	977	79	135	30.0	46
145.0	22.2	317	292	2.01	278	1.91	42	23.4	964	79	146	30.6	45
155.0	22.7	331	306	1.97	292	1.89	42	23.8	951	79	155	31.1	44
165.0	23.2	345	318	1.93	306	1.85	43	24.2	936	78	164	31.6	44
175.0	23.7	357	329	1.88	318	1.82	43	24.5	921	78	173	32.0	43
185.0	24.1	367	339	1.83	328	1.77	44	24.8	907	77	181	32.4	43
195.0	24.5	376	348	1.78	337	1.73	44	25.1	894	77	188	32.7	42
205.0	24.9	385	355	1.73	346	1.69	44	25.3	882	76	194	33.0	42
215.0	25.2	392	362	1.68	353	1.64	45	25.6	869	76	201	33.3	42
225.0	25.5	399	368	1.64	360	1.60	45	25.8	856	76	207	33.6	41
235.0	25.7	406	374	1.59	366	1.56	45	26.0	843	75	214	33.8	41
245.0	26.0	412	379	1.55	372	1.52	45	26.2	831	75	220	34.1	41

REGENERATED STAND YIELD TABLES
ADJUSTED



STERLING WOOD
GROUP INC.

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:59:29

SPECIES : 88% Western Hemlock
 SPECIES : 12% Sitka Spruce
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU4NA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
9.85	95.0	936	Merchantable	12.5+
9.83	105.0	1032	Merchantable	17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+						
Age yrs	Top	Gross	Merch	Merch	Unused	BA	MEAN	STEM	CC	MRCH			LC
	Ht. (m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	DBHg (cm)	COUNT /ha		Vol.	DBHg (cm)	(%)	
15.0	1.7	0	0	0.00	0	0.00	0	0.4	3312	6	0	0.0	0
25.0	7.1	11	1	0.03	0	0.00	4	4.1	3119	47	1	5.4	27
35.0	13.5	108	64	1.83	28	0.81	22	9.6	2958	81	35	18.8	70
45.0	19.1	286	237	5.27	188	4.19	39	14.6	2312	83	108	26.3	62
55.0	24.0	454	401	7.29	366	6.66	49	20.3	1519	83	199	31.8	53
65.0	28.1	623	557	8.57	531	8.17	55	24.7	1153	82	312	36.6	47
75.0	31.7	776	695	9.26	676	9.02	61	28.0	985	82	432	40.8	44
85.0	34.8	926	825	9.70	813	9.56	65	31.3	846	82	564	44.6	42
95.0	37.5	1064	936	9.85	930	9.79	68	34.6	722	81	696	47.9	40
105.0	39.9	1189	1035	9.85	1032	9.83	70	37.8	626	81	823	50.6	38
115.0	42.0	1304	1127	9.80	1126	9.79	73	40.7	560	80	944	53.1	38
125.0	43.9	1418	1217	9.74	1216	9.73	75	43.2	508	80	1070	55.3	36
135.0	45.5	1514	1293	9.58	1292	9.57	76	45.6	466	80	1179	57.2	36
145.0	47.0	1591	1353	9.33	1352	9.33	77	47.5	436	79	1269	58.6	35
155.0	48.4	1663	1410	9.10	1410	9.10	78	49.3	411	79	1356	60.0	34
165.0	49.7	1732	1468	8.90	1468	8.90	80	51.0	390	78	1443	61.2	34
175.0	50.8	1794	1519	8.68	1519	8.68	81	52.5	373	78	1523	62.4	34
185.0	51.8	1845	1559	8.43	1559	8.43	81	53.7	360	77	1592	63.3	33
195.0	52.8	1889	1594	8.18	1594	8.18	82	54.7	348	77	1655	64.1	33
205.0	53.7	1930	1627	7.93	1626	7.93	82	55.8	338	77	1715	64.9	33
215.0	54.5	1972	1659	7.71	1658	7.71	83	56.7	328	76	1778	65.7	32
225.0	55.3	2010	1687	7.50	1687	7.50	83	57.5	320	76	1837	66.4	32
235.0	56.0	2043	1712	7.29	1712	7.29	83	58.4	312	75	1892	67.0	32
245.0	56.6	2074	1735	7.08	1735	7.08	84	59.1	304	75	1943	67.6	32

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:02:10

SPECIES : 96% Western Hemlock SITE : 23.97 m @ bh age 50
 SPECIES : 4% Sitka Spruce SITE : 23.97 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU5NA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
7.81	115.0	898	Merchantable	12.5+
7.75	115.0	892	Merchantable	17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI				BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	250 Prime12.5+		
		Gross	Merch	Merch	Unused					MRCH Vol.	DBHg (cm)	LC (%)
		0.0	12.5+ MAI	17.5+ MAI	MAI							
15.0	1.5	0	0	0.00	0	0.00	0	0.4	3319	5	0	0.0
25.0	6.0	3	0	0.00	0	0.00	2	2.5	3146	33	0	0.1
35.0	11.4	54	19	0.55	3	0.08	14	7.6	3029	75	15	15.6
45.0	16.3	187	139	3.08	88	1.95	30	11.8	2771	83	65	22.5
55.0	20.6	329	279	5.08	233	4.25	42	15.9	2085	83	130	27.6
65.0	24.3	457	404	6.22	369	5.68	48	20.2	1506	82	202	31.7
75.0	27.5	589	526	7.02	498	6.64	53	23.8	1186	82	289	35.3
85.0	30.4	700	627	7.38	605	7.12	57	26.3	1043	82	373	38.4
95.0	32.9	811	727	7.65	710	7.47	60	28.6	936	81	464	41.3
105.0	35.1	921	819	7.80	808	7.69	63	31.1	831	81	565	44.0
115.0	37.1	1020	898	7.81	892	7.75	65	33.5	738	80	661	46.4
125.0	38.8	1107	966	7.72	963	7.70	66	35.9	654	80	749	48.4
135.0	40.5	1192	1033	7.65	1031	7.64	68	37.9	600	80	840	50.3
145.0	41.9	1269	1095	7.55	1094	7.54	69	39.8	554	79	923	51.9
155.0	43.3	1346	1156	7.46	1155	7.45	70	41.6	517	79	1012	53.5
165.0	44.5	1416	1211	7.34	1211	7.34	71	43.3	484	78	1094	54.9
175.0	45.6	1474	1257	7.18	1257	7.18	72	44.8	458	78	1164	56.1
185.0	46.6	1523	1295	7.00	1295	7.00	73	46.0	437	77	1225	57.1
195.0	47.6	1566	1329	6.82	1329	6.81	73	47.2	419	77	1281	58.0
205.0	48.5	1609	1364	6.65	1364	6.65	74	48.4	403	77	1338	58.8
215.0	49.3	1651	1399	6.51	1399	6.51	75	49.4	390	76	1395	59.7
225.0	50.0	1688	1431	6.36	1431	6.36	75	50.4	378	76	1449	60.4
235.0	50.8	1723	1459	6.21	1459	6.21	76	51.3	366	75	1499	61.2
245.0	51.4	1751	1483	6.05	1482	6.05	76	52.1	357	75	1544	61.8

PRODUCT : Managed Stand Yield Summary SOURCE : TASS v2.05.24 93-JAN-07
 AGENCY : MOF Research Branch VERSION : WinTIPSY Version 1.3
 PROJECT : TFL 1 - Skeena Cellulose Inc. DATE : Jul 04/98; 11:07:11

SPECIES : 89% Western Hemlock SITE : 21.44 m @ bh age 50
 SPECIES : 11% Sitka Spruce SITE : 21.44 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU7NA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
6.66	125.0	832	Merchantable	12.5+
6.57	125.0	821	Merchantable	17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+						
Age	Top	Gross	Merch	Merch	Unused	BA	MEAN	STEM	COUNT	CC	MRCH	DBHg	LC
Yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	DBHg (cm)	/ha	(%)	Vol.	(cm)	(%)	
15.0	1.4	0	0	0.00	0	0.00	0	0.4	3324	5	0	0.0	0
25.0	5.0	2	0	0.00	0	0.00	1	2.1	3175	26	0	0.0	0
35.0	9.8	34	8	0.24	1	0.03	10	6.4	3051	69	7	13.9	66
45.0	14.2	127	80	1.79	39	0.86	24	10.2	2916	82	41	19.8	71
55.0	18.1	250	201	3.66	149	2.71	36	13.5	2500	83	92	25.1	64
65.0	21.6	368	317	4.87	276	4.24	44	17.4	1868	82	151	29.1	57
75.0	24.6	475	420	5.60	387	5.16	49	20.9	1448	82	215	32.5	52
85.0	27.3	583	521	6.13	493	5.80	53	24.0	1184	82	288	35.7	48
95.0	29.7	675	605	6.37	582	6.13	57	26.1	1063	81	359	38.4	46
105.0	31.8	767	687	6.54	668	6.37	60	28.1	968	81	435	40.9	44
115.0	33.7	852	762	6.62	747	6.50	62	30.0	886	80	511	43.1	43
125.0	35.4	936	832	6.66	821	6.57	65	31.9	807	80	592	45.2	41
135.0	36.9	1011	893	6.62	886	6.56	66	33.8	736	80	667	47.1	40
145.0	38.3	1078	944	6.51	940	6.48	67	35.7	672	79	738	48.7	39
155.0	39.6	1139	992	6.40	990	6.39	68	37.4	618	79	805	50.2	39
165.0	40.7	1199	1039	6.30	1038	6.29	69	38.9	581	78	872	51.6	38
175.0	41.8	1252	1082	6.18	1081	6.18	70	40.3	547	78	935	52.8	38
185.0	42.8	1304	1123	6.07	1122	6.07	71	41.7	518	77	997	54.0	37
195.0	43.7	1354	1161	5.96	1161	5.95	71	43.0	492	77	1058	55.0	37
205.0	44.5	1398	1196	5.83	1195	5.83	72	44.2	469	77	1115	56.0	36
215.0	45.3	1438	1226	5.70	1226	5.70	72	45.4	448	76	1167	56.9	36
225.0	46.0	1469	1250	5.56	1250	5.55	73	46.3	432	76	1210	57.6	35
235.0	46.7	1497	1272	5.41	1271	5.41	73	47.1	418	75	1251	58.3	35
245.0	47.4	1522	1291	5.27	1291	5.27	73	47.9	405	75	1289	58.9	35

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:09:08

SPECIES : 96% Western Hemlock SITE : 21.69 m @ bh age 50
 SPECIES : 4% Sitka Spruce SITE : 21.69 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU8NA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
6.66	125.0	833	Merchantable 12.5+
6.58	125.0	822	Merchantable 17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+						
Age yrs	Top Ht. (m)	Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+	Unused MAI	BA (m2)	DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
15.0	1.4	0	0	0.00	0	0.00	0	0.4	3323	5	0	0.0	0
25.0	5.2	2	0	0.00	0	0.00	1	2.1	3169	27	0	0.0	0
35.0	10.1	37	10	0.28	1	0.04	10	6.6	3049	69	8	14.4	68
45.0	14.5	132	85	1.90	42	0.93	25	10.4	2923	82	43	20.1	71
55.0	18.4	256	208	3.78	155	2.81	36	13.6	2492	83	95	25.2	64
65.0	21.9	372	322	4.95	280	4.31	44	17.4	1860	82	153	29.1	57
75.0	24.9	480	426	5.67	392	5.22	49	20.8	1436	82	218	32.4	52
85.0	27.5	587	525	6.17	497	5.84	53	23.8	1178	82	290	35.4	48
95.0	29.9	677	606	6.38	583	6.14	56	25.9	1057	81	357	37.9	46
105.0	32.0	768	688	6.55	669	6.38	59	27.8	965	81	433	40.4	44
115.0	33.9	854	763	6.63	749	6.51	61	29.7	881	80	510	42.6	43
125.0	35.6	938	833	6.66	822	6.58	63	31.7	800	80	589	44.7	41
135.0	37.1	1012	891	6.60	885	6.55	64	33.5	728	80	664	46.5	40
145.0	38.5	1079	942	6.50	939	6.47	65	35.4	662	79	734	48.1	39
155.0	39.8	1142	992	6.40	990	6.39	66	37.1	613	79	802	49.5	39
165.0	41.0	1201	1040	6.30	1038	6.29	67	38.5	576	78	869	50.9	38
175.0	42.0	1255	1083	6.19	1082	6.18	68	40.0	542	78	931	52.1	38
185.0	43.0	1311	1126	6.09	1125	6.08	69	41.3	514	77	998	53.3	37
195.0	44.0	1361	1166	5.98	1165	5.97	70	42.6	488	77	1059	54.3	37
205.0	44.8	1407	1201	5.86	1201	5.86	70	43.8	465	77	1117	55.3	36
215.0	45.6	1444	1230	5.72	1230	5.72	71	44.8	447	76	1166	56.1	36
225.0	46.4	1475	1255	5.58	1255	5.58	71	45.7	432	76	1210	56.8	36
235.0	47.0	1504	1277	5.43	1277	5.43	71	46.6	418	75	1250	57.5	35
245.0	47.7	1530	1297	5.30	1297	5.29	71	47.4	405	75	1289	58.1	35

SOURCE : TASS v2.05.24 93-JAN-07
VERSION : WinTIPSY Version 1.3
DATE : Jul 04/98; 10:34:36

SITE : 27.11 m @ bh age 50

SITE : 27.11 m @ bh age 50

ds for forest-level planning.

RAL applications.

DELAY : 6 years (Regeneration)

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: 2 years (Germination)

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FILE : AU17NA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
9.25	95.0	879	Merchantable	12.5+
9.20	105.0	966	Merchantable	17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					250 Prime12.5+						
		Gross		Merch		Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
		0.0	12.5+ MAI	17.5+ MAI									
15.0	1.7	0	0	0.00	0	0.00	0	0.4	3314	5	0	0.0	0
25.0	7.0	10	1	0.03	0	0.00	4	3.9	3122	44	1	5.1	25
35.0	13.2	98	55	1.58	23	0.67	20	9.3	2978	80	31	18.1	70
45.0	18.8	266	218	4.84	165	3.66	37	13.9	2438	83	99	25.4	63
55.0	23.5	426	374	6.80	336	6.11	47	19.2	1617	83	182	30.6	54
65.0	27.5	587	524	8.07	496	7.63	52	23.7	1188	82	285	35.1	48
75.0	31.0	728	651	8.67	630	8.40	57	26.8	1015	82	390	38.8	45
85.0	34.1	869	772	9.09	759	8.92	61	29.7	877	82	509	42.3	42
95.0	36.7	1001	879	9.25	872	9.18	64	32.9	749	81	631	45.4	40
105.0	39.1	1118	968	9.22	966	9.20	65	36.0	642	81	746	48.1	39
115.0	41.2	1230	1057	9.19	1056	9.18	67	38.6	577	80	862	50.4	38
125.0	43.0	1338	1142	9.13	1141	9.13	69	41.0	523	80	978	52.5	37
135.0	44.7	1437	1220	9.04	1219	9.03	71	43.4	478	79	1088	54.4	36

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:36:45

SPECIES : 94% Western Hemlock SITE : 20.47 m @ bh age 50
 SPECIES : 6% Western Redcedar SITE : 20.47 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU18NA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
5.96	125.0	745	Merchantable 12.5+
5.87	135.0	792	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN STEM			250 Prime12.5+			
		Gross	Merch	Merch	Unused	MAI	BA	DBHg	COUNT	CC	MRCH	DBHg	LC
		0.0	12.5+ MAI	17.5+ MAI			(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)
15.0	1.4	0	0	0.00	0	0.00	0	0.4	3325	5	0	0.0	0
25.0	4.9	2	0	0.00	0	0.00	1	1.9	3179	24	0	0.0	0
35.0	9.4	29	5	0.14	1	0.01	9	6.0	3055	67	4	14.0	68
45.0	13.6	106	63	1.39	28	0.62	21	9.6	2947	80	34	18.6	70
55.0	17.3	217	170	3.08	116	2.11	33	12.6	2648	83	78	23.8	66
65.0	20.6	325	276	4.24	230	3.54	41	15.9	2081	82	129	27.6	59
75.0	23.4	421	370	4.93	332	4.43	46	19.0	1627	82	183	30.7	54
85.0	25.9	518	462	5.43	430	5.06	50	21.9	1330	82	245	33.5	50
95.0	28.2	606	542	5.71	515	5.42	53	24.2	1155	81	307	36.0	48
105.0	30.2	682	612	5.83	589	5.61	56	26.0	1052	81	366	38.2	46
115.0	32.0	760	682	5.93	662	5.76	58	27.6	973	80	431	40.3	44
125.0	33.6	833	745	5.96	729	5.84	60	29.2	899	80	497	42.2	43
135.0	35.1	903	804	5.96	792	5.87	62	30.8	828	80	565	44.0	42
145.0	36.4	968	856	5.91	848	5.85	63	32.4	763	79	629	45.7	41
155.0	37.6	1025	901	5.81	895	5.77	64	34.0	704	79	691	47.1	40
165.0	38.8	1077	941	5.70	938	5.68	65	35.5	651	78	748	48.4	39
175.0	39.8	1129	983	5.62	980	5.60	65	36.8	616	78	807	49.6	39
185.0	40.8	1176	1021	5.52	1018	5.51	66	38.0	584	77	862	50.8	38
195.0	41.7	1219	1055	5.41	1053	5.40	67	39.2	555	77	913	51.8	38
205.0	42.5	1263	1090	5.32	1088	5.31	68	40.2	531	77	968	52.8	37
215.0	43.3	1304	1122	5.22	1121	5.21	68	41.3	509	76	1020	53.7	37
225.0	44.0	1342	1152	5.12	1151	5.11	69	42.3	488	76	1069	54.6	36
235.0	44.7	1376	1179	5.02	1178	5.01	69	43.3	469	75	1116	55.4	36
245.0	45.3	1403	1201	4.90	1200	4.90	69	44.1	454	75	1155	56.0	36

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:39:02

SPECIES : 97% Western Hemlock
 SPECIES : 3% Western Redcedar
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

SITE : 23.59 m @ bh age 50
 SITE : 23.59 m @ bh age 50
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU19NA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
7.57	115.0	870	Merchantable 12.5+
7.49	115.0	862	Merchantable 17.5+

		Volume (m3/ha) and MAI									250 Prime12.5+		
	Top							MEAN	STEM				
Age	Ht.	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
15.0	1.5	0	0	0.00	0	0.00	0	0.4	3320	5	0	0.0	0
25.0	5.9	3	0	0.00	0	0.00	1	2.4	3148	32	0	0.0	0
35.0	11.2	51	18	0.51	3	0.07	13	7.5	3030	74	14	15.5	69
45.0	16.0	177	129	2.87	78	1.74	29	11.5	2804	83	61	22.1	69
55.0	20.2	315	266	4.83	218	3.96	40	15.4	2165	83	123	27.1	60
65.0	23.9	438	386	5.95	350	5.38	47	19.6	1567	82	191	31.0	54
75.0	27.0	567	507	6.76	477	6.36	52	23.2	1219	82	274	34.7	49
85.0	29.8	674	604	7.10	580	6.83	55	25.7	1073	82	353	37.7	46
95.0	32.3	782	701	7.38	682	7.18	59	27.9	966	81	441	40.5	44
105.0	34.5	887	790	7.53	777	7.40	62	30.1	864	81	535	43.1	42
115.0	36.4	984	870	7.57	862	7.49	64	32.5	770	80	627	45.5	41
125.0	38.2	1070	937	7.49	932	7.46	65	34.7	686	80	715	47.5	40
135.0	39.8	1152	1001	7.42	999	7.40	66	36.8	624	80	801	49.3	39
145.0	41.3	1228	1063	7.33	1061	7.32	68	38.6	578	79	884	51.0	38
155.0	42.6	1301	1121	7.23	1120	7.23	69	40.4	539	79	967	52.5	37
165.0	43.8	1372	1177	7.13	1176	7.13	70	42.0	505	78	1049	54.0	37
175.0	44.9	1435	1227	7.01	1226	7.01	71	43.6	475	78	1124	55.3	36
185.0	46.0	1483	1265	6.84	1265	6.84	72	44.8	455	77	1184	56.3	36
195.0	46.9	1527	1300	6.67	1300	6.66	72	45.9	436	77	1241	57.2	35
205.0	47.8	1566	1331	6.49	1331	6.49	73	47.0	419	77	1293	58.0	35
215.0	48.6	1607	1366	6.35	1365	6.35	73	48.0	405	76	1349	58.8	35
225.0	49.4	1646	1398	6.21	1398	6.21	74	49.0	393	76	1403	59.6	34
235.0	50.1	1681	1428	6.08	1428	6.08	75	50.0	381	75	1454	60.3	34
245.0	50.8	1713	1455	5.94	1455	5.94	75	50.8	370	75	1502	61.0	34

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:42:35

SPECIES : 98% Western Hemlock
 SPECIES : 2% White Spruce
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

SITE : 18.17 m @ bh age 50
 SITE : 18.17 m @ bh age 50
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU20NA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
4.83	135.0	652	Merchantable 12.5+
4.70	155.0	729	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN BA (m2)	STEM DBHg (cm)	COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI					CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
15.0	1.4	0	0	0.00	0	0.00	0	0.4	3326	4	0	0.0	0
25.0	4.2	2	0	0.00	0	0.00	1	1.6	3201	19	0	0.0	0
35.0	8.2	17	1	0.04	0	0.00	6	4.9	3080	56	1	10.1	50
45.0	11.9	60	22	0.50	3	0.07	15	8.0	3005	77	17	16.1	70
55.0	15.2	151	103	1.86	55	1.00	27	10.9	2871	82	51	21.0	70
65.0	18.2	243	195	3.01	140	2.16	35	13.3	2545	82	89	24.8	64
75.0	20.8	329	280	3.73	234	3.12	41	16.1	2039	82	131	27.7	58
85.0	23.1	405	355	4.18	316	3.72	45	18.6	1667	82	174	30.1	55
95.0	25.1	482	427	4.50	394	4.15	48	21.0	1396	81	222	32.4	52
105.0	27.0	555	495	4.72	466	4.44	51	23.2	1193	81	270	34.5	48
115.0	28.7	616	551	4.79	525	4.57	53	24.6	1105	80	317	36.2	47
125.0	30.2	672	601	4.81	579	4.63	54	26.0	1027	80	361	37.9	46
135.0	31.6	729	652	4.83	633	4.69	56	27.2	966	80	410	39.4	45
145.0	32.8	781	699	4.82	682	4.70	58	28.4	911	79	455	40.8	43
155.0	34.0	834	743	4.79	729	4.70	59	29.6	855	79	506	42.2	43
165.0	35.0	883	783	4.75	772	4.68	60	30.8	803	78	554	43.5	42
175.0	36.0	927	819	4.68	811	4.63	61	32.0	755	78	599	44.7	41
185.0	36.9	967	850	4.59	843	4.56	61	33.1	711	77	644	45.7	40
195.0	37.8	1004	877	4.50	872	4.47	61	34.1	670	77	685	46.7	40
205.0	38.6	1037	902	4.40	899	4.39	62	35.2	633	77	723	47.5	39
215.0	39.3	1069	927	4.31	925	4.30	62	36.2	603	76	762	48.4	39
225.0	40.0	1100	951	4.23	950	4.22	62	37.0	581	76	801	49.1	39
235.0	40.6	1128	974	4.14	972	4.14	63	37.8	559	75	837	49.9	38
245.0	41.2	1154	994	4.06	993	4.05	63	38.6	539	75	871	50.6	38

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:46:31

SPECIES : 98% Western Hemlock
 SPECIES : 2% White Spruce

SITE : 21.58 m @ bh age 50
 SITE : 21.58 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU22NA.TIP

OAf's 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
6.49	125.0	811	Merchantable 12.5+
6.40	125.0	800	Merchantable 17.5+

		Volume (m3/ha) and MAI									250 Prime12.5+		
	Top	-----						MEAN	STEM		-----		
Age	Ht.	Gross	Merch	Merch	Unused		BA	DBHg	COUNT	CC	MRCH	DBHg	LC
yrs	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI		(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)
15.0	1.4	0	0	0.00	0	0.00	0	0.4	3323	5	0	0.0	0
25.0	5.2	2	0	0.00	0	0.00	1	2.1	3170	26	0	0.0	0
35.0	10.0	36	9	0.27	1	0.03	10	6.5	3048	69	8	14.3	67
45.0	14.4	129	82	1.83	40	0.88	24	10.3	2930	82	42	19.9	71
55.0	18.3	250	202	3.67	148	2.68	36	13.4	2525	83	92	25.0	64
65.0	21.7	364	314	4.83	271	4.17	43	17.1	1892	82	149	28.7	57
75.0	24.7	469	415	5.54	380	5.07	48	20.5	1457	82	211	31.9	52
85.0	27.3	574	513	6.03	484	5.70	52	23.5	1189	82	280	34.8	48
95.0	29.7	662	592	6.23	568	5.98	55	25.5	1067	81	345	37.3	46
105.0	31.7	750	671	6.39	651	6.20	57	27.4	974	81	417	39.6	44
115.0	33.6	833	743	6.46	728	6.33	60	29.2	890	80	489	41.8	43
125.0	35.3	915	811	6.49	800	6.40	61	31.1	809	80	566	43.8	42
135.0	36.8	988	868	6.43	861	6.38	63	32.9	736	80	638	45.6	41
145.0	38.2	1053	918	6.33	914	6.30	63	34.7	671	79	706	47.1	40
155.0	39.5	1114	966	6.23	963	6.21	64	36.4	619	79	771	48.6	39
165.0	40.6	1172	1012	6.13	1011	6.12	65	37.8	582	78	837	49.9	38
175.0	41.7	1225	1054	6.02	1053	6.02	66	39.2	548	78	897	51.1	38
185.0	42.7	1279	1096	5.93	1095	5.92	67	40.5	519	77	960	52.2	37
195.0	43.6	1329	1135	5.82	1135	5.82	68	41.7	494	77	1021	53.3	37
205.0	44.5	1374	1171	5.71	1170	5.71	68	42.9	471	76	1078	54.3	36
215.0	45.3	1412	1201	5.59	1200	5.58	69	44.0	452	76	1128	55.1	36

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:48:52

SPECIES : 97% Western Hemlock
 SPECIES : 3% White Spruce
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

SITE : 15.05 m @ bh age 50
 SITE : 15.05 m @ bh age 50
 DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU23NA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
3.49	145.0	506	Merchantable 12.5+
3.31	155.0	513	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+	Merch 17.5+	Unused MAI	MAI				CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
15.0	1.2	0	0	0.00	0	0.00	0	0.4	3332	4	0	0.0	0
25.0	3.5	1	0	0.00	0	0.00	0	1.1	3224	14	0	0.0	0
35.0	6.6	7	0	0.01	0	0.00	3	3.4	3114	39	0	3.2	16
45.0	9.7	32	7	0.15	1	0.02	9	6.2	3037	67	6	14.0	67
55.0	12.4	74	35	0.63	11	0.19	17	8.5	2973	77	23	16.8	70
65.0	14.9	140	92	1.42	46	0.71	26	10.7	2881	82	47	20.6	71
75.0	17.1	209	161	2.15	108	1.45	32	12.4	2646	82	75	23.5	66
85.0	19.1	272	224	2.64	173	2.04	37	14.2	2334	82	104	25.9	62
95.0	20.9	330	281	2.96	237	2.49	41	16.3	1988	81	133	27.9	58
105.0	22.5	382	332	3.17	293	2.79	44	18.0	1731	81	163	29.5	55
115.0	24.0	429	378	3.29	343	2.98	46	19.8	1503	80	191	31.1	53
125.0	25.3	480	426	3.41	394	3.15	48	21.2	1355	80	226	32.6	51
135.0	26.5	526	469	3.47	440	3.26	49	22.6	1221	80	257	34.0	49
145.0	27.6	567	506	3.49	479	3.30	50	23.8	1134	79	288	35.2	48
155.0	28.7	602	538	3.47	513	3.31	51	24.6	1078	79	316	36.2	47
165.0	29.6	634	567	3.43	544	3.30	52	25.5	1027	78	342	37.2	46
175.0	30.5	667	595	3.40	575	3.28	53	26.3	984	78	371	38.2	46
185.0	31.3	698	623	3.37	604	3.27	54	27.0	947	77	400	39.1	45
195.0	32.1	727	649	3.33	631	3.24	55	27.7	912	77	427	40.0	44
205.0	32.8	753	672	3.28	656	3.20	56	28.4	880	77	452	40.8	43
215.0	33.4	779	694	3.23	680	3.16	56	29.0	847	76	480	41.6	43
225.0	34.1	805	715	3.18	702	3.12	56	29.7	815	76	508	42.3	42
235.0	34.7	829	735	3.13	723	3.08	57	30.4	786	75	534	43.0	42
245.0	35.2	850	752	3.07	742	3.03	57	31.0	758	75	559	43.7	42

SOURCE : TASS v2.05.24 93-JAN-07
VERSION : WinTIPSY Version 1.3
DATE : Jun 15/98; 10:58:05

SITE : 20.80 m @ bh age 50
SITE : 20.80 m @ bh age 50

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DELAY      : 6 years (Regeneration)
            : 2 years (Germination)
FILE       : AU25NA.TIP

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FILE : AU25NA.TIP

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
4.79	95.0	455	Merchantable	12.5+
4.60	105.0	483	Merchantable	17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI						MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	250 Prime12.5+		
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI	BA (m2)	MRCH Vol.				DBHg (cm)	LC (%)	
15.0	0.6	0	0	0.00	0	0.00	0	0.2	3352	2	0	0.0	0
25.0	2.7	1	0	0.00	0	0.00	0	1.0	3220	10	0	0.0	0
35.0	6.8	13	2	0.04	0	0.01	4	4.2	3036	49	1	3.4	16
45.0	11.3	67	29	0.65	10	0.22	16	8.5	2858	76	20	16.1	67
55.0	15.5	168	120	2.19	71	1.30	30	12.6	2379	82	56	22.4	59
65.0	19.2	275	227	3.50	176	2.70	39	16.4	1846	82	101	26.8	50
75.0	22.4	366	316	4.21	274	3.65	44	19.7	1448	82	148	30.0	45
85.0	25.1	457	396	4.66	365	4.29	47	22.5	1189	82	200	32.9	42
95.0	27.4	530	455	4.79	432	4.55	49	24.7	1029	81	247	35.1	40
105.0	29.4	590	499	4.75	483	4.60	50	26.7	901	81	290	36.9	38
115.0	31.1	643	534	4.65	524	4.56	51	28.5	800	80	330	38.4	37
125.0	32.6	689	566	4.53	560	4.48	51	30.0	726	80	368	39.7	36
135.0	33.9	731	588	4.36	584	4.33	51	31.6	653	80	405	40.9	35
145.0	35.0	767	606	4.18	603	4.16	51	33.0	595	79	438	41.9	35
155.0	36.0	796	620	4.00	618	3.99	50	34.1	551	78	467	42.7	34
165.0	36.9	823	632	3.83	631	3.82	50	35.2	514	78	494	43.5	34
175.0	37.7	846	641	3.66	641	3.66	50	36.1	485	77	519	44.1	33
185.0	38.4	866	649	3.51	649	3.51	49	36.9	460	76	542	44.6	33
195.0	39.1	885	657	3.37	657	3.37	49	37.7	437	75	563	45.1	33
205.0	39.6	902	663	3.24	663	3.23	48	38.3	420	75	584	45.5	33
215.0	40.2	916	669	3.11	669	3.11	48	38.9	405	74	603	45.9	33
225.0	40.6	929	674	3.00	674	3.00	48	39.5	390	73	621	46.3	32
235.0	41.1	940	678	2.88	678	2.88	47	40.0	378	73	636	46.6	32

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:53:56

SPECIES : 78% White Spruce SITE : 14.58 m @ bh age 50
 SPECIES : 22% Western Hemlock SITE : 14.58 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural
 DENSITY : 4000 trees/ha
 TREAT. : Untreated

DELAY : 6 years (Regeneration)
 : 2 years (Germination)
 FILE : AU26NA.TIP

OAfs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
3.01	135.0	406	Merchantable 12.5+
2.83	145.0	410	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN BA (m2)	STEM DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+	Unused MAI				CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
15.0	0.5	0	0	0.00	0	0.00	0	0.2	3360	1	0	0.0	0
25.0	1.8	0	0	0.00	0	0.00	0	0.5	3264	6	0	0.0	0
35.0	4.1	2	0	0.00	0	0.00	1	1.8	3137	21	0	0.5	2
45.0	6.9	13	1	0.03	0	0.00	5	4.4	3011	51	1	4.3	21
55.0	9.9	41	11	0.20	1	0.03	12	7.2	2908	71	10	14.6	67
65.0	12.7	95	50	0.78	19	0.30	21	9.9	2687	80	30	18.5	66
75.0	15.3	160	113	1.50	64	0.86	29	12.5	2358	81	53	22.1	59
85.0	17.6	225	178	2.10	125	1.47	35	14.8	2043	82	80	25.1	53
95.0	19.7	285	238	2.51	188	1.98	39	16.9	1751	81	107	27.4	49
105.0	21.6	336	288	2.74	244	2.32	42	18.8	1519	81	134	29.2	46
115.0	23.3	387	333	2.90	296	2.58	44	20.5	1336	80	163	31.0	44
125.0	24.8	432	373	2.98	342	2.73	46	22.1	1197	80	190	32.5	42
135.0	26.1	473	406	3.01	380	2.81	47	23.4	1092	80	216	33.8	40
145.0	27.3	506	432	2.98	410	2.83	48	24.6	1003	79	239	34.9	40
155.0	28.3	535	453	2.92	435	2.81	48	25.6	931	79	261	35.9	39
165.0	29.3	561	470	2.85	455	2.76	48	26.6	865	78	281	36.7	38
175.0	30.1	584	484	2.77	473	2.70	48	27.5	810	78	299	37.4	38
185.0	30.9	604	497	2.69	488	2.64	48	28.3	770	77	316	38.1	37
195.0	31.6	622	510	2.61	502	2.57	48	29.0	734	77	333	38.7	37
205.0	32.3	638	519	2.53	512	2.50	48	29.6	699	77	349	39.3	36
215.0	32.9	653	526	2.45	520	2.42	48	30.3	666	76	363	39.8	36
225.0	33.4	667	532	2.37	527	2.34	48	30.9	636	76	377	40.3	36
235.0	33.9	680	538	2.29	534	2.27	47	31.5	607	75	391	40.7	35
245.0	34.4	690	543	2.21	539	2.20	47	32.0	585	75	403	41.1	35

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jun 15/98; 11:03:15

SPECIES : 83% Lodgepole Pine SITE : 13.29 m @ bh age 50
 SPECIES : 17% Western Hemlock SITE : 13.29 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Natural DELAY : 6 years (Regeneration)
 DENSITY : 4000 trees/ha : 2 years (Germination)
 TREAT. : Untreated FILE : AU28NA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.07	125.0	258	Merchantable 12.5+
1.82	145.0	263	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+	Unused MAI				CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
15.0	0.9	0	0	0.00	0	0.00	0	0.1	3330	7	0	0.0	0
25.0	3.2	2	0	0.00	0	0.00	0	1.4	3176	33	0	0.0	0
35.0	6.0	10	0	0.00	0	0.00	4	4.1	3034	63	0	2.6	19
45.0	8.7	36	8	0.19	1	0.02	12	7.2	2838	75	7	14.1	80
55.0	11.0	72	33	0.60	8	0.15	18	9.6	2571	80	19	17.0	72
65.0	13.0	111	71	1.09	30	0.46	24	11.5	2330	81	33	19.6	65
75.0	14.7	153	112	1.49	62	0.83	29	13.2	2119	82	48	21.8	59
85.0	16.2	188	148	1.74	98	1.15	32	14.5	1940	82	63	23.5	55
95.0	17.5	219	178	1.88	131	1.38	35	15.6	1804	81	76	24.8	53
105.0	18.6	247	206	1.97	163	1.55	37	16.7	1667	81	90	25.9	50
115.0	19.6	276	234	2.04	194	1.69	38	17.8	1543	80	105	26.9	48
125.0	20.4	301	258	2.07	221	1.77	40	18.7	1439	80	118	27.8	47
135.0	21.2	322	278	2.06	243	1.80	40	19.5	1346	80	130	28.6	46
145.0	21.9	340	295	2.04	263	1.82	41	20.3	1268	79	141	29.2	45
155.0	22.5	357	311	2.01	281	1.81	41	20.9	1201	79	151	29.9	44
165.0	23.0	373	325	1.97	297	1.80	42	21.6	1142	78	161	30.4	43
175.0	23.5	387	337	1.93	311	1.78	42	22.1	1090	78	171	30.9	43
185.0	23.9	399	347	1.88	323	1.75	42	22.6	1049	77	180	31.3	42
195.0	24.4	409	357	1.83	334	1.71	42	23.0	1012	77	188	31.7	41
205.0	24.7	419	365	1.78	344	1.68	42	23.5	978	77	195	32.1	41
215.0	25.1	427	372	1.73	352	1.64	42	23.9	948	76	202	32.4	41
225.0	25.4	436	379	1.68	361	1.60	43	24.2	927	76	210	32.7	40
235.0	25.7	444	385	1.64	368	1.57	43	24.5	907	75	217	33.0	40
245.0	25.9	450	391	1.60	375	1.53	43	24.7	889	75	223	33.3	40

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:01:07

SPECIES : 88% Western Hemlock
 SPECIES : 12% Sitka Spruce

SITE : 27.62 m @ bh age 50
 SITE : 27.62 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU4PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
10.73	85.0	912	Merchantable 12.5+
10.70	85.0	909	Merchantable 17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+						
Age yrs	Top Ht. (m)	Gross		Merch		Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
		0.0	12.5+	MAI	17.5+								
5.0	0.7	0	0	0.00	0	0.00	0	0.6	1183	2	0	0.0	0
15.0	5.3	3	0	0.00	0	0.00	1	3.9	1143	26	0	0.0	0
25.0	11.6	59	36	1.45	9	0.36	15	13.2	1111	79	20	17.2	70
35.0	17.5	216	189	5.40	167	4.76	34	19.8	1100	84	88	25.8	67
45.0	22.6	378	346	7.69	330	7.34	46	23.3	1081	83	176	31.6	56
55.0	27.0	545	508	9.23	495	8.99	56	26.5	1011	83	283	36.6	49
65.0	30.7	699	652	10.03	643	9.89	63	29.4	929	82	402	41.0	45
75.0	33.9	853	793	10.58	788	10.51	69	32.1	850	82	535	45.0	43
85.0	36.7	988	912	10.73	909	10.70	73	34.9	761	82	663	48.3	41
95.0	39.2	1104	1007	10.61	1007	10.60	75	37.7	675	81	782	51.0	40
105.0	41.4	1223	1103	10.51	1103	10.50	77	40.3	608	81	909	53.6	38
115.0	43.3	1332	1190	10.35	1190	10.35	79	42.7	553	80	1029	55.9	37
125.0	45.0	1430	1267	10.14	1267	10.14	81	45.1	506	80	1140	57.9	37
135.0	46.6	1507	1325	9.81	1324	9.81	82	47.0	469	79	1233	59.4	36
145.0	48.0	1577	1375	9.49	1375	9.49	82	49.0	436	79	1318	60.8	35
155.0	49.3	1648	1428	9.21	1428	9.21	83	50.8	408	79	1407	62.1	34
165.0	50.5	1712	1474	8.93	1474	8.93	83	52.5	384	78	1489	63.2	34
175.0	51.5	1766	1513	8.65	1513	8.65	84	53.9	366	78	1561	64.2	34
185.0	52.5	1812	1548	8.37	1548	8.37	84	55.2	351	77	1627	65.1	33
195.0	53.4	1854	1578	8.09	1578	8.09	84	56.4	337	77	1687	65.9	33
205.0	54.3	1896	1613	7.87	1613	7.87	85	57.4	327	76	1750	66.7	32
215.0	55.0	1935	1646	7.66	1646	7.66	85	58.3	320	76	1809	67.4	32
225.0	55.8	1970	1676	7.45	1676	7.45	86	59.1	313	76	1865	68.1	32
235.0	56.4	2002	1703	7.25	1703	7.25	86	59.8	307	75	1916	68.7	32
245.0	57.1	2027	1723	7.03	1723	7.03	86	60.5	301	75	1963	69.2	31

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:03:26

SPECIES : 96% Western Hemlock
 SPECIES : 4% Sitka Spruce

SITE : 23.97 m @ bh age 50
 SITE : 23.97 m @ bh age 50

Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated

DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU5PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
8.44	105.0	886	Merchantable	12.5+
8.41	105.0	883	Merchantable	17.5+

		Volume (m3/ha) and MAI						250 Prime12.5+					
Age yrs	Top Ht. (m)	Gross	Merch	Merch	Unused	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
		0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
5.0	0.6	0	0	0.00	0	0.00	0	0.6	1184	2	0	0.0	0
15.0	4.5	2	0	0.00	0	0.00	1	3.2	1150	19	0	0.0	0
25.0	9.8	33	14	0.57	3	0.10	10	10.6	1121	66	10	14.5	67
35.0	14.9	137	113	3.22	83	2.39	26	17.4	1107	83	53	22.3	71
45.0	19.3	266	238	5.28	218	4.84	38	20.9	1100	83	114	27.7	63
55.0	23.2	390	358	6.51	342	6.22	47	23.4	1079	83	184	31.9	55
65.0	26.6	520	485	7.45	471	7.24	54	25.9	1020	82	269	35.7	50
75.0	29.5	635	593	7.91	583	7.77	59	28.1	954	82	353	38.9	47
85.0	32.1	752	702	8.26	695	8.17	64	30.1	897	82	450	42.1	45
95.0	34.4	860	801	8.43	796	8.38	68	32.1	833	81	548	44.8	43
105.0	36.5	957	886	8.44	883	8.41	70	34.1	767	81	641	47.2	42
115.0	38.3	1039	953	8.28	951	8.27	72	36.1	701	80	726	49.2	41
125.0	40.0	1121	1018	8.15	1018	8.14	73	38.0	645	80	814	51.0	40
135.0	41.5	1199	1081	8.01	1081	8.01	74	39.8	598	79	900	52.8	39
145.0	42.9	1273	1140	7.86	1140	7.86	75	41.5	559	79	984	54.4	38
155.0	44.1	1341	1194	7.70	1194	7.70	76	43.1	525	79	1065	55.8	38
165.0	45.3	1400	1240	7.52	1240	7.52	77	44.6	494	78	1137	57.1	37
175.0	46.3	1449	1276	7.29	1276	7.29	77	45.8	469	78	1198	58.1	36
185.0	47.3	1492	1308	7.07	1308	7.07	78	47.1	446	77	1255	59.0	36
195.0	48.2	1533	1337	6.86	1337	6.86	78	48.3	426	77	1310	59.9	35
205.0	49.0	1576	1369	6.68	1369	6.68	78	49.4	408	76	1369	60.7	35
215.0	49.8	1615	1397	6.50	1397	6.50	78	50.5	392	76	1424	61.5	35
225.0	50.5	1650	1422	6.32	1422	6.32	79	51.5	377	76	1475	62.2	34
235.0	51.2	1680	1445	6.15	1445	6.15	79	52.5	364	75	1522	62.9	34
245.0	51.9	1706	1463	5.97	1463	5.97	79	53.2	354	75	1564	63.4	34

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 11:06:31

SPECIES : 89% Western Hemlock SITE : 21.44 m @ bh age 50
 SPECIES : 11% Sitka Spruce SITE : 21.44 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU7PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
7.12	115.0	819	Merchantable 12.5+
7.08	115.0	814	Merchantable 17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+						
Age yrs	Top Ht. (m)	Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+	Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
5.0	0.5	0	0	0.00	0	0.00	0	0.6	1185	1	0	0.0	0
15.0	3.8	1	0	0.00	0	0.00	1	2.6	1153	15	0	0.0	0
25.0	8.4	19	4	0.14	0	0.00	7	8.6	1122	56	4	10.8	53
35.0	12.9	90	66	1.89	37	1.06	20	15.0	1104	80	33	19.3	70
45.0	17.0	200	173	3.85	149	3.32	32	19.4	1095	83	81	25.1	68
55.0	20.6	308	279	5.06	261	4.75	41	22.0	1088	83	137	29.3	60
65.0	23.7	412	379	5.83	364	5.60	48	24.0	1063	82	198	32.8	54
75.0	26.5	521	485	6.46	471	6.28	54	26.2	1010	82	272	36.1	50
85.0	29.0	617	576	6.77	565	6.65	59	28.0	955	82	344	38.9	47
95.0	31.2	710	662	6.97	654	6.89	63	29.7	906	81	421	41.5	45
105.0	33.1	799	745	7.09	738	7.03	66	31.4	861	81	499	44.0	44
115.0	34.9	881	819	7.12	814	7.08	69	33.0	807	80	579	46.1	43
125.0	36.5	955	884	7.07	881	7.05	71	34.6	756	80	652	48.0	42
135.0	37.9	1018	935	6.93	933	6.91	72	36.1	705	79	720	49.6	41
145.0	39.2	1075	981	6.76	980	6.76	73	37.6	658	79	783	51.0	40
155.0	40.4	1135	1029	6.64	1028	6.63	74	39.0	620	79	852	52.4	39
165.0	41.5	1190	1072	6.50	1072	6.50	75	40.4	586	78	916	53.7	38
175.0	42.5	1240	1112	6.36	1112	6.35	76	41.7	555	78	976	54.9	38
185.0	43.4	1288	1150	6.21	1149	6.21	76	42.8	529	77	1036	56.0	37
195.0	44.3	1331	1183	6.07	1183	6.07	77	44.0	505	77	1092	56.9	37
205.0	45.1	1370	1213	5.92	1213	5.92	77	45.1	482	76	1143	57.9	37
215.0	45.8	1402	1236	5.75	1236	5.75	77	46.0	463	76	1188	58.6	36
225.0	46.5	1430	1256	5.58	1256	5.58	77	46.9	446	76	1229	59.3	36
235.0	47.2	1456	1274	5.42	1274	5.42	77	47.8	430	75	1267	59.9	35
245.0	47.8	1479	1290	5.26	1290	5.26	77	48.6	416	75	1303	60.5	35

SOURCE : TASS v2.05.24 93-JAN-07
VERSION : WinTIPSY Version 1.3
DATE : Jul 04/98; 11:08:39

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SITE      : 21.69 m @ bh age 50
SITE      : 21.69 m @ bh age 50
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DELAY      : 3 years (Regeneration)
            : Plant 2 year old stock
FILE       : AU8PA.TIP

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FILE : AU8PA.TIP

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
7.14	115.0	822	Merchantable	12.5+
7.11	115.0	817	Merchantable	17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI									250 Prime12.5+		
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)	
5.0	0.5	0	0	0.00	0	0.00	0	0.6	1185	1	0	0.0	0
15.0	4.0	2	0	0.00	0	0.00	1	2.7	1153	15	0	0.0	0
25.0	8.6	20	4	0.16	0	0.00	7	8.9	1124	58	5	12.0	59
35.0	13.2	95	71	2.04	42	1.20	20	15.3	1108	81	35	19.6	71
45.0	17.3	205	179	3.97	155	3.45	33	19.5	1101	83	84	25.4	68
55.0	20.9	311	282	5.13	265	4.81	41	21.9	1094	83	139	29.4	60
65.0	24.0	415	382	5.88	367	5.64	48	23.9	1068	82	200	32.7	54
75.0	26.8	525	489	6.53	476	6.34	54	26.1	1011	82	274	35.9	50
85.0	29.2	619	578	6.80	568	6.68	58	27.8	956	82	345	38.6	47
95.0	31.4	713	666	7.01	658	6.92	62	29.5	907	81	422	41.2	45
105.0	33.3	802	748	7.12	742	7.06	65	31.1	860	81	499	43.6	44
115.0	35.1	884	822	7.14	817	7.11	68	32.8	805	80	578	45.6	43
125.0	36.7	956	884	7.07	881	7.05	70	34.3	753	80	650	47.4	42
135.0	38.1	1018	934	6.92	933	6.91	71	35.8	701	79	716	49.0	41
145.0	39.4	1077	982	6.77	981	6.76	72	37.3	655	79	781	50.4	40
155.0	40.6	1138	1031	6.65	1030	6.64	73	38.7	617	79	850	51.8	39
165.0	41.7	1193	1074	6.51	1074	6.51	73	40.1	582	78	914	53.1	38
175.0	42.7	1245	1116	6.38	1116	6.38	74	41.3	552	78	977	54.3	38
185.0	43.7	1294	1154	6.24	1154	6.24	75	42.5	526	77	1037	55.3	38
195.0	44.6	1338	1189	6.10	1188	6.09	75	43.7	502	77	1093	56.3	37
205.0	45.4	1376	1217	5.94	1217	5.94	75	44.7	481	76	1144	57.2	37
215.0	46.1	1408	1240	5.77	1240	5.77	76	45.6	462	76	1188	57.9	36
225.0	46.8	1436	1261	5.60	1261	5.60	76	46.5	445	76	1229	58.6	36
235.0	47.5	1462	1280	5.44	1280	5.44	76	47.4	430	75	1268	59.2	36
245.0	48.1	1486	1297	5.29	1297	5.29	76	48.2	415	75	1306	59.8	35

PRODUCT : Managed Stand Yield Summary SOURCE : TASS v2.05.24 93-JAN-07
 AGENCY : MOF Research Branch VERSION : WinTIPSY Version 1.3
 PROJECT : TFL 1 - Skeena Cellulose Inc. DATE : Jul 04/98; 10:35:34

SPECIES : 96% Western Hemlock SITE : 27.11 m @ bh age 50
 SPECIES : 4% White Spruce SITE : 27.11 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU17PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
10.13	85.0	861	Merchantable 12.5+
10.09	85.0	858	Merchantable 17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+				
Age	Top	Gross	Merch	Merch	Unused	BA	MEAN	STEM	CC	MRCH	DBHg
Yrs	Ht. (m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	DBHg (cm)	COUNT /ha	(%)	Vol.	(cm) (%)
5.0	0.7	0	0	0.00	0	0.00	0	0.6	1184	2	0
15.0	5.3	3	0	0.00	0	0.00	1	3.8	1147	25	0
25.0	11.5	55	33	1.33	8	0.31	15	12.9	1118	77	19
35.0	17.3	202	176	5.04	152	4.34	33	19.4	1109	83	82
45.0	22.2	353	323	7.18	306	6.79	44	22.7	1094	83	162
55.0	26.5	511	476	8.66	462	8.40	53	25.7	1029	83	261
65.0	30.1	653	610	9.38	600	9.23	60	28.3	947	82	363
75.0	33.2	799	744	9.92	738	9.84	65	30.8	872	82	485
85.0	36.0	930	861	10.13	858	10.09	69	33.4	784	82	605
95.0	38.4	1039	948	9.98	947	9.97	71	36.0	696	81	714
105.0	40.6	1150	1037	9.87	1036	9.87	73	38.4	625	81	830
115.0	42.5	1255	1119	9.73	1119	9.73	74	40.8	568	80	942
125.0	44.2	1352	1196	9.57	1196	9.56	76	43.0	521	80	1051

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:37:46

SPECIES : 94% Western Hemlock SITE : 20.47 m @ bh age 50
 SPECIES : 6% Western Redcedar SITE : 20.47 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU18PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards	
6.37	115.0	733	Merchantable	12.5+
6.32	125.0	790	Merchantable	17.5+

		Volume (m3/ha) and MAI					250 Prime12.5+						
Age	Top	Gross	Merch	Merch	Unused	BA	MEAN	STEM	CC	MRCH	DBHg	LC	
ys	(m)	0.0	12.5+ MAI	17.5+ MAI	MAI	(m2)	DBHg (cm)	COUNT /ha	(%)	Vol.	(cm)	(%)	
5.0	0.5	0	0	0.00	0	0.00	0	0.5	1185	1	0	0.0	0
15.0	3.7	1	0	0.00	0	0.00	1	2.4	1154	13	0	0.0	0
25.0	8.1	16	3	0.12	0	0.00	6	8.1	1125	52	4	9.6	47
35.0	12.4	72	50	1.42	20	0.57	17	14.1	1107	80	26	18.2	70
45.0	16.3	173	148	3.29	122	2.71	30	18.5	1099	83	70	23.9	69
55.0	19.6	271	243	4.42	223	4.06	38	21.0	1093	83	118	27.9	63
65.0	22.6	364	334	5.14	318	4.88	45	23.0	1077	82	171	31.1	56
75.0	25.2	458	425	5.67	410	5.47	50	24.8	1040	82	231	34.0	52
85.0	27.5	550	513	6.04	500	5.88	55	26.5	992	82	294	36.7	49
95.0	29.6	628	587	6.18	577	6.07	58	28.0	946	81	354	39.0	47
105.0	31.4	710	664	6.32	655	6.24	62	29.5	905	81	423	41.2	45
115.0	33.1	785	733	6.37	726	6.32	64	30.8	865	80	490	43.3	44
125.0	34.6	854	796	6.36	790	6.32	67	32.2	817	80	557	45.1	43
135.0	36.0	917	852	6.31	848	6.28	68	33.5	773	79	619	46.7	42
145.0	37.3	971	896	6.18	894	6.16	69	34.8	728	79	679	48.1	41
155.0	38.4	1020	936	6.04	934	6.03	70	36.1	686	79	733	49.3	41
165.0	39.5	1070	976	5.91	974	5.91	71	37.3	650	78	790	50.6	40
175.0	40.5	1118	1014	5.80	1013	5.79	72	38.4	619	78	846	51.7	39
185.0	41.4	1161	1049	5.67	1049	5.67	72	39.5	590	77	899	52.8	39
195.0	42.3	1203	1082	5.55	1082	5.55	73	40.5	564	77	950	53.8	38
205.0	43.0	1242	1113	5.43	1113	5.43	73	41.5	542	76	1001	54.7	38
215.0	43.8	1278	1142	5.31	1141	5.31	74	42.4	522	76	1049	55.6	38
225.0	44.5	1311	1168	5.19	1168	5.19	74	43.3	502	76	1094	56.4	37
235.0	45.1	1339	1189	5.06	1189	5.06	74	44.1	485	75	1134	57.1	37
245.0	45.8	1363	1207	4.93	1207	4.93	74	44.8	470	75	1170	57.7	37

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:40:24

SPECIES : 97% Western Hemlock SITE : 23.59 m @ bh age 50
 SPECIES : 3% Western Redcedar SITE : 23.59 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU19PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
8.18	105.0	859	Merchantable 12.5+
8.14	105.0	855	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN BA (m2)	STEM DBHg (cm)	COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+	MAI	Merch 17.5+	MAI				CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
5.0	0.6	0	0	0.00	0	0.00	0	0.6	1184	2	0	0.0	0
15.0	4.4	2	0	0.00	0	0.00	1	3.1	1151	18	0	0.0	0
25.0	9.7	31	12	0.48	2	0.08	9	10.4	1121	65	9	14.5	68
35.0	14.7	130	106	3.02	76	2.18	25	17.0	1108	82	50	21.8	71
45.0	19.0	254	226	5.03	205	4.56	37	20.6	1101	83	108	27.2	64
55.0	22.8	373	343	6.23	326	5.93	45	23.1	1083	83	175	31.3	56
65.0	26.1	498	464	7.14	450	6.92	52	25.4	1030	82	255	35.0	51
75.0	29.0	612	572	7.62	561	7.47	58	27.6	968	82	337	38.2	47
85.0	31.6	722	675	7.94	667	7.85	62	29.5	911	82	427	41.2	45
95.0	33.9	828	772	8.13	766	8.07	66	31.4	853	81	519	43.9	44
105.0	35.9	924	859	8.18	855	8.14	69	33.3	790	81	610	46.3	42
115.0	37.7	1006	926	8.05	923	8.03	70	35.2	725	80	694	48.3	41
125.0	39.4	1081	987	7.90	986	7.89	72	37.0	667	80	775	50.1	40
135.0	40.8	1159	1050	7.78	1049	7.77	73	38.7	620	79	861	51.9	39
145.0	42.2	1230	1107	7.63	1106	7.63	74	40.4	579	79	941	53.4	38
155.0	43.5	1298	1161	7.49	1161	7.49	75	41.9	545	79	1021	54.9	38
165.0	44.6	1359	1210	7.33	1209	7.33	76	43.4	514	78	1094	56.2	37
175.0	45.7	1410	1248	7.13	1248	7.13	77	44.7	488	78	1158	57.2	37
185.0	46.6	1454	1280	6.92	1280	6.92	77	45.8	466	77	1215	58.2	36
195.0	47.5	1493	1309	6.72	1309	6.71	77	47.0	445	77	1268	59.0	36
205.0	48.4	1533	1339	6.53	1339	6.53	77	48.1	426	76	1322	59.8	35
215.0	49.2	1572	1368	6.36	1368	6.36	78	49.1	410	76	1377	60.6	35
225.0	49.9	1608	1394	6.20	1394	6.20	78	50.1	394	76	1429	61.4	35
235.0	50.6	1641	1418	6.04	1418	6.04	78	51.1	380	75	1478	62.1	34
245.0	51.2	1669	1439	5.87	1439	5.87	78	52.0	368	75	1522	62.7	34

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:43:51

SPECIES : 98% Western Hemlock SITE : 18.17 m @ bh age 50
 SPECIES : 2% White Spruce SITE : 18.17 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU20PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
5.12	135.0	691	Merchantable 12.5+
5.07	135.0	684	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+	Unused MAI				CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
5.0	0.5	0	0	0.00	0	0.00	0	0.5	1185	1	0	0.0	0
15.0	3.4	1	0	0.00	0	0.00	0	2.0	1158	10	0	0.0	0
25.0	7.0	10	2	0.06	0	0.00	4	6.5	1133	41	2	4.8	24
35.0	10.9	46	26	0.73	6	0.16	13	12.1	1115	72	15	16.1	69
45.0	14.3	120	96	2.13	67	1.48	24	16.6	1104	82	46	21.3	71
55.0	17.3	202	176	3.21	153	2.77	32	19.4	1098	83	83	25.3	68
65.0	20.0	280	253	3.89	233	3.59	39	21.3	1092	82	124	28.3	62
75.0	22.4	355	325	4.33	308	4.11	44	22.8	1076	82	167	30.8	57
85.0	24.6	428	396	4.65	380	4.47	48	24.2	1050	82	212	33.1	53
95.0	26.5	502	468	4.93	454	4.78	52	25.7	1008	81	262	35.3	50
105.0	28.2	567	529	5.04	517	4.93	55	26.9	968	81	310	37.2	48
115.0	29.8	624	583	5.07	573	4.98	58	28.0	931	80	354	38.8	46
125.0	31.2	684	639	5.11	631	5.05	60	29.1	897	80	406	40.5	45
135.0	32.5	740	691	5.12	684	5.07	62	30.2	867	79	456	42.1	45
145.0	33.6	792	738	5.09	732	5.05	64	31.2	833	79	505	43.5	44
155.0	34.7	840	781	5.04	776	5.01	65	32.2	797	79	553	44.7	43
165.0	35.7	883	819	4.97	816	4.94	66	33.2	764	78	597	45.9	42
175.0	36.7	921	850	4.86	848	4.84	67	34.1	730	78	639	46.9	42
185.0	37.5	955	877	4.74	875	4.73	67	35.0	697	77	678	47.8	41
195.0	38.3	986	902	4.62	900	4.62	67	35.8	667	77	714	48.6	41
205.0	39.1	1015	925	4.51	924	4.51	68	36.7	640	76	750	49.4	40
215.0	39.8	1047	950	4.42	949	4.41	68	37.5	616	76	790	50.2	40
225.0	40.5	1076	972	4.32	972	4.32	68	38.2	595	76	827	51.0	39
235.0	41.1	1102	993	4.23	993	4.22	69	39.0	574	75	862	51.7	39
245.0	41.7	1126	1012	4.13	1012	4.13	69	39.7	555	75	896	52.4	38

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:47:36

SPECIES : 98% Western Hemlock SITE : 21.58 m @ bh age 50
 SPECIES : 2% White Spruce SITE : 21.58 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU22PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
6.97	115.0	801	Merchantable 12.5+
6.93	115.0	797	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI				Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	250 Prime12.5+			
		Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+					MRCH Vol.	DBHg (cm)	LC (%)	
5.0	0.5	0	0	0.00	0	0.00	0	0.6	1185	1	0	0.0	0
15.0	4.0	2	0	0.00	0	0.00	1	2.7	1154	15	0	0.0	0
25.0	8.6	20	4	0.15	0	0.00	7	8.8	1126	57	5	12.0	59
35.0	13.2	92	69	1.98	40	1.14	20	15.2	1111	81	34	19.5	71
45.0	17.3	201	175	3.89	151	3.35	32	19.3	1104	83	82	25.2	68
55.0	20.8	304	276	5.02	257	4.68	41	21.7	1097	83	136	29.1	60
65.0	23.9	405	374	5.75	358	5.50	47	23.7	1072	82	195	32.3	54
75.0	26.6	513	478	6.38	464	6.19	53	25.8	1016	82	266	35.4	50
85.0	29.0	605	565	6.65	554	6.52	57	27.5	962	82	333	38.0	47
95.0	31.2	695	649	6.83	640	6.74	61	29.1	912	81	406	40.5	45
105.0	33.1	781	729	6.94	723	6.88	64	30.7	867	81	480	42.8	44
115.0	34.8	862	801	6.97	797	6.93	66	32.3	812	80	556	44.8	43
125.0	36.4	932	863	6.90	860	6.88	68	33.8	760	80	625	46.6	42
135.0	37.8	993	911	6.75	910	6.74	69	35.2	708	79	690	48.1	41
145.0	39.1	1049	956	6.59	955	6.59	70	36.7	661	79	751	49.4	40
155.0	40.3	1109	1004	6.48	1003	6.47	71	38.0	623	78	819	50.8	39
165.0	41.4	1163	1047	6.35	1047	6.34	72	39.4	588	78	881	52.1	39
175.0	42.4	1214	1087	6.21	1087	6.21	72	40.6	558	78	942	53.3	38
185.0	43.3	1263	1125	6.08	1125	6.08	73	41.7	532	77	1001	54.3	38
195.0	44.2	1306	1159	5.95	1159	5.95	73	42.9	508	77	1056	55.3	38
205.0	45.0	1345	1190	5.80	1190	5.80	74	43.9	486	76	1107	56.2	37

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:50:01

SPECIES : 97% Western Hemlock SITE : 15.05 m @ bh age 50
 SPECIES : 3% White Spruce SITE : 15.05 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU23PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
3.62	135.0	489	Merchantable 12.5+
3.53	145.0	512	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN STEM				250 Prime12.5+		
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI	BA (m2)	DBHg (cm)	COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)	
5.0	0.4	0	0	0.00	0	0.00	0	0.5	1186	1	0	0.0	0
15.0	2.9	1	0	0.00	0	0.00	0	1.3	1161	7	0	0.0	0
25.0	5.7	3	0	0.00	0	0.00	1	4.1	1139	28	0	0.0	0
35.0	8.8	21	4	0.12	0	0.00	7	9.1	1120	59	5	12.9	64
45.0	11.7	56	35	0.77	8	0.18	15	13.1	1107	77	19	17.1	70
55.0	14.2	117	94	1.71	65	1.18	23	16.5	1098	81	46	21.2	71
65.0	16.5	178	153	2.36	128	1.96	30	18.7	1092	82	73	24.3	69
75.0	18.6	235	209	2.78	187	2.50	35	20.3	1086	82	100	26.7	65
85.0	20.4	288	260	3.06	242	2.84	39	21.5	1080	82	130	28.7	61
95.0	22.1	339	310	3.26	293	3.08	43	22.6	1067	81	159	30.5	57
105.0	23.6	386	356	3.39	340	3.24	46	23.5	1051	81	188	32.0	55
115.0	24.9	435	403	3.51	389	3.38	48	24.5	1025	80	221	33.5	52
125.0	26.2	482	449	3.59	435	3.48	51	25.4	997	80	254	35.0	50
135.0	27.3	524	489	3.62	476	3.53	53	26.3	969	79	284	36.2	49
145.0	28.4	561	524	3.61	512	3.53	54	27.1	942	79	314	37.3	48
155.0	29.4	594	555	3.58	545	3.51	56	27.8	917	79	342	38.4	47
165.0	30.3	626	585	3.54	576	3.49	57	28.4	894	78	369	39.4	46
175.0	31.1	660	616	3.52	608	3.47	58	29.1	873	78	401	40.4	45
185.0	31.9	691	645	3.49	638	3.45	59	29.7	853	77	431	41.3	45
195.0	32.6	720	671	3.44	664	3.41	60	30.3	834	77	458	42.2	44
205.0	33.3	746	695	3.39	689	3.36	61	30.8	814	76	486	43.0	44
215.0	33.9	771	717	3.34	712	3.31	61	31.4	792	76	513	43.7	44
225.0	34.5	794	738	3.28	733	3.26	62	32.0	771	76	539	44.4	43
235.0	35.0	815	756	3.22	752	3.20	62	32.5	751	75	564	45.0	43
245.0	35.6	834	773	3.16	770	3.14	63	33.0	732	75	587	45.6	42

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jun 15/98; 10:59:31

SPECIES : 76% White Spruce SITE : 20.80 m @ bh age 50
 SPECIES : 24% Western Hemlock SITE : 20.80 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU25PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
5.29	85.0	450	Merchantable 12.5+
5.15	85.0	438	Merchantable 17.5+

		Volume (m3/ha) and MAI							250 Prime12.5+				
Age yrs	Top Ht. (m)	Gross 0.0	Merch 12.5+	Merch MAI	Merch 17.5+	Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)
5.0	0.3	0	0	0.00	0	0.00	0	0.3	1186	1	0	0.0	0
15.0	2.7	1	0	0.00	0	0.00	0	1.5	1159	7	0	0.0	0
25.0	6.8	10	1	0.04	0	0.00	4	6.3	1125	40	1	4.3	21
35.0	11.3	58	36	1.02	14	0.40	15	13.0	1102	76	22	17.4	68
45.0	15.5	150	128	2.84	97	2.15	28	18.0	1091	83	61	24.0	62
55.0	19.2	247	222	4.04	197	3.58	37	20.9	1082	83	105	28.3	52
65.0	22.4	333	306	4.70	285	4.39	44	23.0	1059	82	150	31.3	46
75.0	25.1	422	390	5.20	374	4.99	49	25.0	1007	82	202	34.1	43
85.0	27.4	489	450	5.29	438	5.15	52	26.7	939	82	245	36.2	40
95.0	29.4	544	492	5.18	485	5.10	54	28.2	859	81	284	37.8	39
105.0	31.1	594	530	5.05	525	5.00	55	29.7	791	81	323	39.2	38
115.0	32.6	638	562	4.89	558	4.86	55	30.9	737	80	360	40.5	37
125.0	33.9	680	587	4.70	585	4.68	55	32.3	677	80	396	41.7	36
135.0	35.0	713	605	4.48	603	4.47	55	33.5	625	79	427	42.6	36
145.0	36.0	741	615	4.24	614	4.24	54	34.5	579	78	454	43.4	35
155.0	36.9	765	625	4.03	624	4.02	53	35.5	539	77	479	44.1	35
165.0	37.7	789	633	3.84	632	3.83	53	36.4	507	77	504	44.7	34
175.0	38.4	809	640	3.66	640	3.66	52	37.3	479	76	527	45.3	34
185.0	39.0	827	647	3.50	646	3.49	52	38.1	454	75	549	45.8	34
195.0	39.6	844	653	3.35	653	3.35	51	38.7	435	75	570	46.2	34
205.0	40.1	859	659	3.22	659	3.21	51	39.3	419	74	589	46.6	34
215.0	40.6	872	664	3.09	664	3.09	50	39.9	404	73	607	47.0	34
225.0	41.1	884	668	2.97	668	2.97	50	40.4	390	73	623	47.3	34

User requests exceeded database limits

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jul 04/98; 10:55:19

SPECIES : 78% White Spruce SITE : 14.58 m @ bh age 50
 SPECIES : 22% Western Hemlock SITE : 14.58 m @ bh age 50
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted DELAY : 3 years (Regeneration)
 DENSITY : 1400 trees/ha : Plant 2 year old stock
 TREAT. : Untreated FILE : AU26PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
3.22	125.0	402	Merchantable 12.5+
3.11	125.0	389	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					MEAN STEM					250 Prime12.5+		
		Gross	Merch	Merch	Unused	MAI	BA	DBHg	COUNT	CC	MRCH	DBHg	LC	
		0.0	12.5+ MAI	17.5+ MAI			(m2)	(cm)	/ha	(%)	Vol.	(cm)	(%)	
5.0	0.2	0	0	0.00	0	0.00	0	0.2	1187	0	0	0.0	0	
15.0	1.8	0	0	0.00	0	0.00	0	0.6	1166	4	0	0.0	0	
25.0	4.1	1	0	0.00	0	0.00	1	2.7	1142	16	0	0.0	0	
35.0	7.0	10	1	0.03	0	0.00	4	6.6	1118	42	1	5.4	26	
45.0	9.9	35	15	0.34	3	0.06	10	10.9	1100	69	12	15.2	68	
55.0	12.8	86	63	1.15	34	0.62	19	15.0	1088	80	34	20.1	68	
65.0	15.4	143	122	1.87	91	1.39	27	17.8	1080	82	59	23.8	62	
75.0	17.7	204	180	2.41	152	2.03	33	19.9	1074	82	85	26.7	56	
85.0	19.8	256	232	2.72	207	2.44	38	21.3	1064	82	112	28.8	51	
95.0	21.6	304	278	2.93	257	2.71	42	22.5	1048	81	137	30.6	47	
105.0	23.3	356	328	3.12	310	2.95	45	23.7	1022	81	167	32.3	45	
115.0	24.8	399	369	3.20	353	3.07	48	24.7	991	80	193	33.7	43	
125.0	26.1	436	402	3.22	389	3.11	49	25.7	955	80	217	35.0	42	
135.0	27.3	467	428	3.17	417	3.09	51	26.6	913	79	238	35.9	41	
145.0	28.3	494	449	3.09	439	3.03	51	27.4	868	79	258	36.8	40	
155.0	29.3	517	465	3.00	458	2.96	51	28.2	823	79	276	37.5	39	
165.0	30.1	537	480	2.91	474	2.88	52	28.9	787	78	293	38.2	38	
175.0	30.9	556	494	2.82	489	2.79	52	29.5	759	78	309	38.9	38	
185.0	31.6	574	507	2.74	502	2.71	52	30.1	733	77	325	39.5	37	
195.0	32.3	591	517	2.65	513	2.63	52	30.7	704	77	341	40.0	37	
205.0	32.9	607	525	2.56	522	2.55	52	31.2	677	76	356	40.6	37	
215.0	33.4	621	533	2.48	530	2.47	52	31.8	651	76	370	41.1	36	
225.0	33.9	633	540	2.40	538	2.39	51	32.3	627	76	384	41.5	36	
235.0	34.4	643	543	2.31	541	2.30	51	32.7	605	75	396	41.9	36	
245.0	34.8	652	546	2.23	544	2.22	50	33.1	585	74	406	42.2	36	

PRODUCT : Managed Stand Yield Summary
 AGENCY : MOF Research Branch
 PROJECT : TFL 1 - Skeena Cellulose Inc.

SOURCE : TASS v2.05.24 93-JAN-07
 VERSION : WinTIPSY Version 1.3
 DATE : Jun 15/98; 11:04:05

SPECIES : 83% Lodgepole Pine
 SPECIES : 17% Western Hemlock
 Multiple Species option aggregates pure stands for forest-level planning.
 It is NOT VALID for mixed-species SILVICULTURAL applications.

REGEN : Planted
 DENSITY : 1400 trees/ha
 TREAT. : Untreated
 DELAY : 3 years (Regeneration)
 : Plant 2 year old stock
 FILE : AU28PA.TIP

OAFs 1&2: 15.00% 5.00% (Operational Adjustment Factors)

Max. MAI (m3/ha)	Age (years)	Volume (m3/ha)	Utilization Standards
2.11	115.0	242	Merchantable 12.5+
1.97	125.0	247	Merchantable 17.5+

Age yrs	Top Ht. (m)	Volume (m3/ha) and MAI					250 Prime12.5+						
		Gross 0.0	Merch 12.5+ MAI	Merch 17.5+ MAI	Unused MAI	BA (m2)	MEAN DBHg (cm)	STEM COUNT /ha	CC (%)	MRCH Vol.	DBHg (cm)	LC (%)	
5.0	0.3	0	0	0.00	0	0.00	0	0.2	1184	2	0	0.0	0
15.0	2.4	1	0	0.00	0	0.00	0	1.3	1145	17	0	0.0	0
25.0	5.2	6	0	0.00	0	0.00	2	5.1	1105	49	0	6.4	46
35.0	7.9	22	5	0.14	0	0.00	8	9.7	1074	71	6	12.9	83
45.0	10.3	53	33	0.73	9	0.20	15	13.5	1054	78	18	17.4	80
55.0	12.4	86	67	1.21	35	0.64	21	15.9	1041	81	31	20.2	72
65.0	14.2	127	107	1.65	77	1.19	26	17.9	1032	82	48	22.8	65
75.0	15.8	158	137	1.83	111	1.48	29	19.1	1026	82	61	24.3	60
85.0	17.1	187	165	1.94	142	1.67	32	20.0	1020	81	74	25.7	56
95.0	18.3	212	190	2.00	169	1.78	34	20.8	1014	81	87	26.8	53
105.0	19.3	241	218	2.07	199	1.90	37	21.5	1007	81	101	27.8	50
115.0	20.2	266	242	2.11	226	1.96	38	22.1	998	80	115	28.8	48
125.0	21.0	287	262	2.10	247	1.97	40	22.7	987	80	126	29.5	47
135.0	21.7	304	279	2.07	264	1.96	41	23.1	975	79	137	30.1	46
145.0	22.3	320	295	2.03	281	1.94	42	23.5	962	79	147	30.7	45
155.0	22.9	335	309	1.99	296	1.91	43	23.9	949	79	157	31.2	44
165.0	23.4	348	322	1.95	309	1.87	43	24.3	933	78	166	31.7	44
175.0	23.8	360	333	1.90	321	1.83	44	24.6	918	78	175	32.1	43
185.0	24.2	371	342	1.85	331	1.79	44	24.9	905	77	183	32.5	43
195.0	24.6	380	351	1.80	341	1.75	44	25.2	892	77	190	32.8	42
205.0	25.0	388	358	1.75	349	1.70	45	25.4	880	76	197	33.1	42
215.0	25.3	396	365	1.70	356	1.66	45	25.7	865	76	203	33.4	41
225.0	25.6	403	371	1.65	363	1.62	45	25.9	852	76	210	33.7	41
235.0	25.9	410	377	1.60	370	1.57	45	26.1	840	75	216	33.9	41
245.0	26.1	415	382	1.56	375	1.53	45	26.3	828	75	222	34.2	41



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TIMBER SUPPLY BRANCH

CK

File: 19710-40/1

February 8, 1999

Bruce Bodie, RPF
Skeena Cellulose Inc.
4900 Keith Avenue
Terrace, British Columbia V8G 5L8

Dear Bruce Brodie:

I have reviewed the Timber Supply Analysis dated November 20, 1998, and the subsequent analyses I requested for Management Plan No. 9 (MP No. 9) of Tree Farm Licence 1 (TFL 1). I hereby accept them.

Thank you for the prompt response to my requests and in particular for the analysis involving the contribution to timber supply of the land identified in the Nisga'a agreement in principle.

I accept the analysis on the basis that I believe that I now understand the assumptions that were applied and their implications for timber supply. However, acceptance does not mean that the Ministry of Forests (MOF) nor the Ministry of Environment, Lands and Parks (MOELP) endorse every aspect of this analysis. During the AAC determination information session, MOF and MOELP staff advised the Chief Forester regarding the technical validity of the analysis and the implications of its assumptions and results. The Chief Forester will consider this advice as he develops the rationale for his determination of the AAC for TFL 1.

.../2

Ministry of
Forests

Timber Supply Branch

Location:
3-595 Pandora Avenue
Victoria, BC V8W 3E7

Mailing Address:
PO Box 9512, Stn Prov Govt
Victoria, BC V8W 9C2

Tel: 250-356-5947
Fax: 250-953-3838

If you have any questions, please call me at 387-8479.

Yours truly,

A handwritten signature in black ink, appearing to read 'Atmanand Prasad', written in a cursive style.

Atmanand Prasad
Timber Supply Forester
Timber Supply Branch

pc: Larry Pedersen, Chief Forester
Jim Snetzinger, Regional Manager, Prince Rupert Forest Region
Brian Downie, District Manager, Kalum Forest District
Charlie Klasen, Timber Tenures Forester, Resource Tenures & Engineering Branch
Albert Nussbaum, Growth & Yield Applications Specialist, Research Branch
Rob Drummond, Growth & Yield Officer, Resources Inventory Branch
Steve Smith, Sterling Wood Group, Suite 301 - 1001 Cloverdale Avenue, Victoria, BC
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