

Woodlot Licence Harvest Planning report

Date : 12 November, 2001

Woodlot Licence# : W0007 MP4
 Forest District : Chilliwack
 Company : BCIT Forest Society
 User : Mike Greig
 Woodlot File : C:\Mike Work Files\BCIT\AAC Calcs\W0007i Updated Nov 9 2001.LOT
 Scenario :

Model Information:

Woodlot File : Beta3.024 - November 2001
 Woodlot Version : Beta3.024 - November 2001 - WIN95/98/ME/NT4/2000/XP
 VDYP Version : Prod 6.6d4
 TIPSYP Version : 3.0a

Summary:

Total Net Area : 275.4 ha
 Netdown Area : 261.4 ha
 MAI Existing : 8.75 m³/ha/year
 MAI Future : 10.73 m³/ha/year
 Harvest Rate : 2,672 m³/year

1.0 Introduction

This section summarises information used to calculate a long term harvest rate on Woodlot Licence No. W0007 MP4. The calculated harvest rate can be used to assist in determining the allowable annual cut (AAC). It should be assessed in light of the assumptions used, social and economic considerations in determining the AAC.

Refer to "Section 6.0" for definition of column headers.

2.0 Polygon Data

a) General Information and Current Volumes

Polygon	Own	Area (ha)	Current Age	VAF	PSYU	FIZ	Mgmt Type	Silv Sys	Vol/ha (m ³ /ha)	Volume (m ³)
1	C	4.5	86	1.11	0179	C	V/T	CC	973	4,379
1nc	C	0.4	86	1.11	0179	C	V/T	CC	973	389
2	C	1.8	114	0.80	0179	C	V/T	CC	724	1,303
2nc	C	0.6	114	0.80	0179	C	V/T	CC	724	434
3nc	C	0.6	128	0.54	0179	C	V/T	CC	479	287
4nc	C	0.3	88	0.77	0179	C	V/T	CC	509	153
5	C	2.1	120	0.53	0179	C	V/T	CC	442	928
6	C	1.4	63	0.81	0179	C	V/T	CC	524	734
7	C	2.6	88	1.40	0179	C	V/T	CC	903	2,348
8	C	1.3	65	0.98	0179	C	V/T	CC	792	1,030
8nc	C	0.5	65	0.98	0179	C	V/T	CC	792	396
9	C	2.0	85	1.05	0179	C	V/T	CC	908	1,817
9nc	C	0.4	85	1.05	0179	C	V/T	CC	908	363
10	C	1.0	86	1.37	0179	C	V/T	CC	807	807
11	C	0.5	84	1.32	0179	C	V/T	CC	999	499
11nc	C	3.1	84	1.32	0179	C	V/T	CC	999	3,096
12	C	1.5	102	1.27	0179	C	V/T	CC	848	1,272
13	C	0.4	84	1.17	0179	C	V/T	CC	755	302
13nc	C	0.2	84	1.17	0179	C	V/T	CC	755	151
14	C	0.5	84	0.92	0179	C	V/T	CC	861	430
14nc	C	0.2	84	0.92	0179	C	V/T	CC	861	172
15	C	0.5	104	1.19	0179	C	V/T	CC	864	432
15nc	C	0.4	104	1.19	0179	C	V/T	CC	864	345
16	C	4.2	104	1.19	0179	C	V/T	CC	864	3,627

Polygon	Own	Area (ha)	Current Age	VAF	PSYU	FIZ	Mgmt Type	Silv Sys	Vol/ha (m ³ /ha)	Volume (m ³)
16nc	C	0.6	104	1.19	0179	C	V/T	CC	864	518
17	C	1.2	93	1.06	0179	C	V/T	CC	730	875
17nc	C	1.0	93	1.06	0179	C	V/T	CC	730	730
18	C	1.3	100	1.27	0179	C	V/T	CC	905	1,177
18nc	C	1.1	100	1.27	0179	C	V/T	CC	905	996
19	C	4.7	86	1.28	0179	C	V/T	CC	757	3,558
19nc	C	0.3	86	1.28	0179	C	V/T	CC	757	227
20	C	0.8	95	0.66	0179	C	V/T	CC	515	412
20nc	C	0.5	95	0.66	0179	C	V/T	CC	515	258
21	C	1.8	83	1.41	0179	C	V/T	CC	1,129	2,032
22	C	1.2	73	1.75	0179	C	V/T	CC	651	782
22nc	C	0.5	73	1.75	0179	C	V/T	CC	651	326
23	C	2.2	79	1.18	0179	C	V/T	CC	959	2,111
23nc	C	0.2	79	1.18	0179	C	V/T	CC	959	192
24	C	1.1	70	1.45	0179	C	V/T	CC	1,037	1,140
24nc	C	2.2	70	1.45	0179	C	V/T	CC	1,037	2,281
25	C	2.1	60	2.20	0179	C	V/T	CC	575	1,208
26	C	3.0	83	0.89	0179	C	V/T	CC	848	2,544
26nc	C	0.5	83	0.89	0179	C	V/T	CC	848	424
27	C	1.3	55	1.64	0179	C	V/T	CC	894	1,162
29	C	1.4	69	1.55	0179	C	V/T	CC	688	963
29nc	C	0.8	69	1.55	0179	C	V/T	CC	688	550
30	C	5.0	58	1.40	0179	C	V/T	CC	640	3,202
31	C	3.0	78	1.21	0179	C	V/T	CC	531	1,592
31nc	C	0.6	78	1.21	0179	C	V/T	CC	531	318
32	C	4.6	59	1.28	0179	C	V/T	CC	603	2,776
32nc	C	0.2	59	1.28	0179	C	V/T	CC	603	121
33	C	1.5	76	1.69	0179	C	V/T	CC	835	1,253
33nc	C	0.2	76	1.69	0179	C	V/T	CC	835	167
34	C	3.9	71	1.62	0179	C	V/T	CC	995	3,881
34nc	C	0.7	71	1.62	0179	C	V/T	CC	995	697
35	C	1.6	50	1.46	0179	C	V/T	CC	705	1,128
35nc	C	0.8	50	1.46	0179	C	V/T	CC	705	564
37	C	3.4	70	1.21	0179	C	V/T	CC	638	2,169
37nc	C	2.7	70	1.21	0179	C	V/T	CC	638	1,723
38	C	0.6	66	0.70	0179	C	V/T	CC	543	325
38nc	C	0.7	66	0.70	0179	C	V/T	CC	543	380
39	C	1.8	71	1.62	0179	C	V/T	CC	995	1,791
39nc	C	0.4	71	1.62	0179	C	V/T	CC	995	398
40	C	0.4	69	0.76	0179	C	V/T	CC	333	133
40nc	C	0.5	69	0.76	0179	C	V/T	CC	333	166
41	C	4.2	85	0.44	0179	C	V/T	CC	253	1,061
41nc	C	0.4	85	0.44	0179	C	V/T	CC	253	101
42	C	0.2	96	1.18	0179	C	V/T	CC	648	130
42nc	C	0.2	96	1.18	0179	C	V/T	CC	648	130
43	C	0.9	51	3.77	0179	C	V/T	CC	679	611
43nc	C	0.2	51	3.77	0179	C	V/T	CC	679	136
44	C	2.3	8	---	---	C	T/T	CC	0	0
44nc	C	0.3	8	---	---	C	T/T	CC	0	0
45	C	0.4	10	---	---	C	T/T	CC	0	0
46nc	C	0.3	43	0.98	0179	C	V/T	CC	319	96
47	C	1.0	82	0.90	0179	C	V/T	CC	309	309
48nc	C	0.3	79	0.59	0179	C	V/T	CC	374	112
49	C	3.6	90	0.97	0179	C	V/T	CC	510	1,837
49nc	C	0.6	90	0.97	0179	C	V/T	CC	510	306
50nc	C	0.7	128	0.54	0179	C	V/V	CC	479	335
51	C	1.2	1	1.00	0179	C	V/T	CC	0	0
52	C	1.7	11	---	---	C	T/T	CC	6	10
52nc	C	0.1	11	---	---	C	T/T	CC	6	1
53	C	3.4	8	---	---	C	T/T	CC	0	0
53nc	C	0.8	8	---	---	C	T/T	CC	0	0
54	C	4.0	6	---	---	C	T/T	CC	0	0
54nc	C	1.0	6	---	---	C	T/T	CC	0	0
55	C	0.2	5	---	---	C	T/T	CC	0	0
55nc	C	1.0	5	---	---	C	T/T	CC	0	0
56	C	3.8	88	0.75	0179	C	V/T	CC	545	2,071
57	C	2.7	84	1.55	0179	C	V/T	CC	1,191	3,215

Polygon	Own	Area (ha)	Current Age	VAF	PSYU	FIZ	Mgmt Type	Silv Sys	Vol/ha (m ³ /ha)	Volume (m ³)
57nc	C	1.0	84	1.55	0179	C	V/T	CC	1,191	1,191
58	C	2.1	94	1.57	0179	C	V/T	CC	1,411	2,964
59	C	2.6	81	1.39	0179	C	V/T	CC	1,246	3,239
59nc	C	0.8	81	1.39	0179	C	V/T	CC	1,246	997
60	C	3.9	85	0.95	0179	C	V/T	CC	780	3,041
60nc	C	0.6	85	0.95	0179	C	V/T	CC	780	468
61	C	1.4	100	0.98	0179	C	V/T	CC	789	1,105
61nc	C	0.4	100	0.98	0179	C	V/T	CC	789	316
62	C	1.0	104	1.19	0179	C	V/T	CC	864	864
62nc	C	0.3	104	1.19	0179	C	V/T	CC	864	259
63	C	0.8	86	0.87	0179	C	V/T	CC	904	723
64	C	2.2	86	1.03	0179	C	V/T	CC	759	1,669
65	C	0.7	91	0.66	0179	C	V/T	CC	516	361
69	C	1.3	81	1.10	0179	C	V/T	CC	960	1,247
69nc	C	0.3	81	1.10	0179	C	V/T	CC	960	288
70nc	C	0.6	101	1.15	0179	C	V/T	CC	865	519
71	C	2.1	6	---	----	C	T/T	CC	0	0
71nc	C	0.4	6	---	----	C	T/T	CC	0	0
72	C	1.2	85	2.13	0179	C	V/T	CC	1,022	1,226
73	C	0.2	98	1.22	0179	C	V/T	CC	604	121
75	C	3.6	36	1.72	0179	C	V/T	CC	452	1,626
75nc	C	0.1	36	1.72	0179	C	V/T	CC	452	45
76	C	0.1	84	1.24	0179	C	V/T	CC	758	76
77	C	0.3	1	1.00	0179	C	V/T	CC	0	0
77nc	C	0.2	1	1.00	0179	C	V/T	CC	0	0
78	C	0.1	8	1.00	0179	C	V/T	CC	0	0
79	C	0.9	86	0.87	0179	C	V/T	CC	904	813
79nc	C	0.1	86	0.87	0179	C	V/T	CC	904	90
81	C	3.2	92	0.96	0179	C	V/T	CC	958	3,066
81nc	C	0.1	92	0.96	0179	C	V/T	CC	958	96
82	C	0.3	6	---	----	C	T/T	CC	0	0
Roadnc	C	3.6	0	0.54	0179	C	NC/T	CC	0	0
8a	C	5.0	65	0.98	0179	C	V/T	CC	792	3,960
8b	C	5.0	65	0.98	0179	C	V/T	CC	792	3,960
8c	C	5.0	65	0.98	0179	C	V/T	CC	792	3,960
8d	C	5.0	65	0.98	0179	C	V/T	CC	792	3,960
8nca	C	5.0	65	0.98	0179	C	V/T	CC	792	3,960
11a	C	5.0	84	1.32	0179	C	V/T	CC	999	4,994
15a	C	5.0	104	1.19	0179	C	V/T	CC	864	4,318
17a	C	5.0	93	1.06	0179	C	V/T	CC	730	3,648
20a	C	5.0	95	0.66	0179	C	V/T	CC	515	2,577
24a	C	5.0	70	1.45	0179	C	V/T	CC	1,037	5,184
27a	C	5.0	55	1.64	0179	C	V/T	CC	894	4,470
27b	C	5.0	55	1.64	0179	C	V/T	CC	894	4,470
31a	C	5.0	78	1.21	0179	C	V/T	CC	531	2,654
35a	C	5.0	50	1.46	0179	C	V/T	CC	705	3,526
38a	C	5.0	66	0.70	0179	C	V/T	CC	543	2,713
44a	C	5.0	8	---	----	C	T/T	CC	0	0
55a	C	5.0	5	---	----	C	T/T	CC	0	0
59a	C	5.0	81	1.39	0179	C	V/T	CC	1,246	6,229
59b	C	5.0	81	1.39	0179	C	V/T	CC	1,246	6,229
59nca	C	5.0	81	1.39	0179	C	V/T	CC	1,246	6,229
64a	C	5.0	86	1.03	0179	C	V/T	CC	759	3,793
Roadnca	C	5.0	0	0.54	0179	C	NC/T	CC	0	0
Crown (C)		275.4								190,641
Private (P)		0.0								0
Top-Up (T)		0.0								0
Other (O)		0.0								0
TOTAL		275.4								190,641

b) VDYP (unmanaged) Specific

Polygon	SI (m)	CC (%)	Stk Cls	S1	%	S2	%	S3	%	S4	%	S5	%	S6	%
1	34.0	90	0	FD	50	HW	30	CW	20						
1nc	34.0	90	0	FD	50	HW	30	CW	20						
2	30.0	80	0	HW	80	FD	10	CW	10						
2nc	30.0	80	0	HW	80	FD	10	CW	10						
3nc	28.0	80	0	HW	80	FD	10	CW	10						
4nc	25.0	80	0	HW	60	FD	40								
5	28.0	80	0	HW	70	CW	20	FD	10						
6	35.0	80	0	HW	60	CW	20	FD	10	DR	10				
7	24.0	90	0	HW	60	FD	30	CW	10						
8	37.0	90	0	HW	50	FD	30	CW	20						
8nc	37.0	90	0	HW	50	FD	30	CW	20						
9	32.0	80	0	HW	40	FD	30	CW	30						
9nc	32.0	80	0	HW	40	FD	30	CW	30						
10	26.0	80	0	CW	50	HW	40	FD	10						
11	28.0	90	0	HW	40	FD	30	CW	30						
11nc	28.0	90	0	HW	40	FD	30	CW	30						
12	25.0	90	0	CW	70	HW	20	FD	10						
13	28.0	80	0	CW	60	HW	30	FD	10						
13nc	28.0	80	0	CW	60	HW	30	FD	10						
14	34.0	90	0	HW	40	FD	30	CW	30						
14nc	34.0	90	0	HW	40	FD	30	CW	30						
15	27.0	80	0	CW	50	HW	40	FD	10						
15nc	27.0	80	0	CW	50	HW	40	FD	10						
16	27.0	80	0	CW	50	HW	40	FD	10						
16nc	27.0	80	0	CW	50	HW	40	FD	10						
17	27.0	90	0	CW	50	HW	40	FD	10						
17nc	27.0	90	0	CW	50	HW	40	FD	10						
18	26.0	80	0	HW	80	FD	10	CW	10						
18nc	26.0	80	0	HW	80	FD	10	CW	10						
19	27.0	80	0	CW	60	FD	30	HW	10						
19nc	27.0	80	0	CW	60	FD	30	HW	10						
20	30.0	80	0	HW	50	CW	30	FD	20						
20nc	30.0	80	0	HW	50	CW	30	FD	20						
21	34.0	90	0	FD	50	CW	30	HW	20						
22	23.0	80	0	CW	50	HW	30	DR	20						
22nc	23.0	80	0	CW	50	HW	30	DR	20						
23	35.0	80	0	FD	40	HW	40	CW	20						
23nc	35.0	80	0	FD	40	HW	40	CW	20						
24	36.0	80	0	HW	50	CW	30	FD	20						
24nc	36.0	80	0	HW	50	CW	30	FD	20						
25	21.0	90	0	CW	60	HW	30	FD	10						
26	35.0	90	0	HW	40	FD	30	CW	30						
26nc	35.0	90	0	HW	40	FD	30	CW	30						
27	31.0	80	0	HW	50	FD	30	CW	20						
29	23.0	80	0	HW	50	FD	40	CW	10						
29nc	23.0	80	0	HW	50	FD	40	CW	10						
30	32.0	80	0	FD	40	CW	30	HW	20	DR	10				
31	23.0	80	0	CW	50	HW	40	FD	10						
31nc	23.0	80	0	CW	50	HW	40	FD	10						
32	28.0	90	0	HW	50	CW	30	FD	10	B	10				
32nc	28.0	90	0	HW	50	CW	30	FD	10	B	10				
33	24.0	90	0	HW	50	CW	50								
33nc	24.0	90	0	HW	50	CW	50								
34	27.0	80	0	HW	70	FD	20	CW	10						
34nc	27.0	80	0	HW	70	FD	20	CW	10						
35	33.0	90	0	HW	60	CW	20	FD	10	DR	10				
35nc	33.0	90	0	HW	60	CW	20	FD	10	DR	10				
37	24.0	90	0	HW	60	B	30	CW	10						
37nc	24.0	90	0	HW	60	B	30	CW	10						
38	34.0	80	0	HW	60	FD	30	CW	10						
38nc	34.0	80	0	HW	60	FD	30	CW	10						
39	27.0	80	0	HW	70	FD	20	CW	10						
39nc	27.0	80	0	HW	70	FD	20	CW	10						
40	27.0	80	0	DR	70	CW	10	FD	10	HW	10				

Polygon	SI (m)	CC (%)	Stk Cls	S1	%	S2	%	S3	%	S4	%	S5	%	S6	%
40nc															
41	27.0	80	0	DR	70	CW	10	FD	10	HW	10				
41nc	37.0	80	0	FD	40	DR	20	HW	20	CW	10	EP	10		
42	37.0	80	0	FD	40	DR	20	HW	20	CW	10	EP	10		
42nc	24.0	80	0	CW	60	HW	30	DR	10						
43	24.0	80	0	CW	60	HW	30	DR	10						
43nc	22.0	80	0	CW	50	DR	20			FD	10	HW	10	EP	10
44															
44nc															
45															
46nc	30.0	90	0	FD	50	HW	30	CW	20						
47	20.0	60	0	FD	70	HW	30								
48nc	35.0	60	0	CW	80	HW	20								
49	24.0	60	0	HW	50	CW	40	FD	10						
49nc	24.0	60	0	HW	50	CW	40	FD	10						
50nc	28.0	80	0	HW	80	FD	10	CW	10						
51	28.0	60	0	DR	50	AC	30	CW	10	HW	10				
52															
52nc															
53															
53nc															
54															
54nc															
55															
55nc															
56	30.0	90	0	CW	50	HW	30	FD	10	DR	10				
57	34.0	80	0	CW	50	FD	30	HW	20						
57nc	34.0	80	0	CW	50	FD	30	HW	20						
58	36.0	90	0	FD	80	HW	10	CW	10						
59	36.0	90	0	FD	70	CW	30								
59nc	36.0	90	0	FD	70	CW	30								
60	36.0	90	0	CW	60	HW	30	FD	10						
60nc	36.0	90	0	CW	60	HW	30	FD	10						
61	27.0	80	0	HW	50	FD	30	CW	20						
61nc	27.0	80	0	HW	50	FD	30	CW	20						
62	27.0	80	0	CW	50	HW	40	FD	10						
62nc	27.0	80	0	CW	50	HW	40	FD	10						
63	39.0	80	0	FD	60	HW	30	CW	10						
64	30.0	90	0	HW	40	CW	30	FD	30						
65	31.0	80	0	HW	50	CW	30	FD	20						
69	36.0	90	0	FD	40	HW	40	CW	20						
69nc	36.0	90	0	FD	40	HW	40	CW	20						
70nc	27.0	90	0	HW	70	CW	20	FD	10						
71															
71nc															
72	22.0	80	0	HW	60	CW	30	FD	10						
73	20.0	80	0	HW	80	FD	20								
75	29.0	90	0	HW	70	FD	20	DR	10						
75nc	29.0	90	0	HW	70	FD	20	DR	10						
76	28.0	80	0	CW	60	FD	30	HW	10						
77	28.0	60	0	DR	50	AC	30	CW	10	HW	10				
77nc	28.0	60	0	DR	50	AC	30	CW	10	HW	10				
78	36.0	50	0	TW	100										
79	39.0	80	0	FD	60	HW	30	CW	10						
79nc	39.0	80	0	FD	60	HW	30	CW	10						
81	40.0	80	0	FD	40	HW	40	CW	20						
81nc	40.0	80	0	FD	40	HW	40	CW	20						
82															
Roadnc															
8a	37.0	90	0	HW	50	FD	30	CW	20						
8b	37.0	90	0	HW	50	FD	30	CW	20						
8c	37.0	90	0	HW	50	FD	30	CW	20						
8d	37.0	90	0	HW	50	FD	30	CW	20						
8nca	37.0	90	0	HW	50	FD	30	CW	20						
11a	28.0	90	0	HW	40	FD	30	CW	30						
15a	27.0	80	0	CW	50	HW	40	FD	10						
17a	27.0	90	0	CW	50	HW	40	FD	10						

Polygon	SI (m)	CC (%)	Stk Cls	S1	%	S2	%	S3	%	S4	%	S5	%	S6	%
20a	30.0	80	0	HW	50	CW	30	FD	20						
24a	36.0	80	0	HW	50	CW	30	FD	20						
27a	31.0	80	0	HW	50	FD	30	CW	20						
27b	31.0	80	0	HW	50	FD	30	CW	20						
31a	23.0	80	0	CW	50	HW	40	FD	10						
35a	33.0	90	0	HW	60	CW	20	FD	10	DR	10				
38a	34.0	80	0	HW	60	FD	30	CW	10						
44a															
55a															
59a	36.0	90	0	FD	70	CW	30								
59b	36.0	90	0	FD	70	CW	30								
59nca	36.0	90	0	FD	70	CW	30								
64a	30.0	90	0	HW	40	CW	30	FD	30						
Roadnca															

c) TIPSYS (Managed) Specific

Polygon	SI (m)	Dens (s/ha)	Thin (s/ha)	Regen	S1	%	S2	%	S3	%	S4	%	S5	%
1	35.4	1,200	1,000	Planted	FD	70	CW	30						
1nc	35.4	1,200	1,000	Planted	FD	70	CW	30						
2	35.4	1,200	1,000	Planted	FD	70	CW	30						
2nc	35.4	1,200	1,000	Planted	FD	70	CW	30						
3nc	30.2	1,200	1,000	Planted	FD	70	CW	30						
4nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
5	33.3	1,200	1,000	Planted	FD	70	CW	30						
6	40.6	1,200	1,000	Planted	FD	70	CW	30						
7	28.1	1,200	1,000	Planted	FD	70	CW	30						
8	43.8	1,200	1,000	Planted	FD	70	CW	30						
8nc	43.8	1,200	1,000	Planted	FD	70	CW	30						
9	33.3	1,200	1,000	Planted	FD	70	CW	30						
9nc	33.3	1,200	1,000	Planted	FD	70	CW	30						
10	29.1	1,200	1,000	Planted	FD	70	CW	30						
11	29.1	1,200	1,000	Planted	FD	70	CW	30						
11nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
12	29.1	1,200	1,000	Planted	FD	70	CW	30						
13	29.1	1,200	1,000	Planted	FD	70	CW	30						
13nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
14	39.6	1,200	1,000	Planted	FD	70	CW	30						
14nc	39.6	1,200	1,000	Planted	FD	70	CW	30						
15	29.1	1,200	1,000	Planted	FD	70	CW	30						
15nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
16	29.1	1,200	1,000	Planted	FD	70	CW	30						
16nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
17	29.1	1,200	1,000	Planted	FD	70	CW	30						
17nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
18	27.1	1,200	1,000	Planted	FD	70	CW	30						
18nc	27.1	1,200	1,000	Planted	FD	70	CW	30						
19	29.1	1,200	1,000	Planted	FD	70	CW	30						
19nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
20	35.4	1,200	1,000	Planted	FD	70	CW	30						
20nc	35.4	1,200	1,000	Planted	FD	70	CW	30						
21	35.4	1,200	1,000	Planted	FD	70	CW	30						
22	29.1	1,200	1,000	Planted	FD	70	CW	30						
22nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
23	36.4	1,200	1,000	Planted	FD	70	CW	30						
23nc	36.4	1,200	1,000	Planted	FD	70	CW	30						
24	41.7	1,200	1,000	Planted	FD	70	CW	30						
24nc	41.7	1,200	1,000	Planted	FD	70	CW	30						
25	29.1	1,200	1,000	Planted	FD	70	CW	30						
26	40.6	1,200	1,000	Planted	FD	70	CW	30						
26nc	40.6	1,200	1,000	Planted	FD	70	CW	30						
27	36.4	1,200	1,000	Planted	FD	70	CW	30						
29	27.1	1,200	1,000	Planted	FD	70	CW	30						
29nc	27.1	1,200	1,000	Planted	FD	70	CW	30						

Polygon	SI (m)	Dens (s/ha)	Thin (s/ha)	Regen	S1	%	S2	%	S3	%	S4	%	S5	%
30	33.3	1,200	1,000	Planted	FD	70	CW	30						
31	29.1	1,200	1,000	Planted	FD	70	CW	30						
31nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
32	33.3	1,200	1,000	Planted	FD	70	CW	30						
32nc	33.3	1,200	1,000	Planted	FD	70	CW	30						
33	28.1	1,200	1,000	Planted	FD	70	CW	30						
33nc	28.1	1,200	1,000	Planted	FD	70	CW	30						
34	31.2	1,200	1,000	Planted	FD	70	CW	30						
34nc	31.2	1,200	1,000	Planted	FD	70	CW	30						
35	38.5	1,200	1,000	Planted	FD	70	CW	30						
35nc	38.5	1,200	1,000	Planted	FD	70	CW	30						
37	28.1	1,200	1,000	Planted	FD	70	CW	30						
37nc	28.1	1,200	1,000	Planted	FD	70	CW	30						
38	35.4	1,200	1,000	Planted	FD	70	CW	30						
38nc	35.4	1,200	1,000	Planted	FD	70	CW	30						
39	31.2	1,200	1,000	Planted	FD	70	CW	30						
39nc	31.2	1,200	1,000	Planted	FD	70	CW	30						
40	28.1	1,200	1,000	Planted	FD	70	CW	30						
40nc	28.1	1,200	1,000	Planted	FD	70	CW	30						
41	38.5	1,200	1,000	Planted	FD	70	CW	30						
41nc	38.5	1,200	1,000	Planted	FD	70	CW	30						
42	29.1	1,200	1,000	Planted	FD	70	CW	30						
42nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
43	29.1	1,200	1,000	Planted	FD	70	CW	30						
43nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
44	37.5	1,200	1,000	Planted	FD	70	CW	30						
44nc	37.5	1,200	1,000	Planted	FD	70	CW	30						
45	39.6	1,200	1,000	Planted	FD	70	CW	30						
46nc	32.3	1,200	1,000	Planted	FD	70	CW	30						
47	18.7	1,200	1,000	Planted	FD	70	CW	30						
48nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
49	28.1	1,200	1,000	Planted	FD	70	CW	30						
49nc	28.1	1,200	1,000	Planted	FD	70	CW	30						
50nc														
51	29.1	1,200	1,000	Planted	FD	70	CW	30						
52	37.5	1,200	1,000	Planted	FD	70	CW	30						
52nc	37.5	1,200	1,000	Planted	FD	70	CW	30						
53	37.5	1,200	1,000	Planted	FD	70	CW	30						
53nc	37.5	1,200	1,000	Planted	FD	70	CW	30						
54	37.5	1,200	1,000	Planted	FD	70	CW	30						
54nc	37.5	1,200	1,000	Planted	FD	70	CW	30						
55	37.5	1,200	1,000	Planted	FD	70	CW	30						
55nc	37.5	1,200	1,000	Planted	FD	70	CW	30						
56	29.1	1,200	1,000	Planted	FD	70	CW	30						
57	35.4	1,200	1,000	Planted	FD	70	CW	30						
57nc	35.4	1,200	1,000	Planted	FD	70	CW	30						
58	37.5	1,200	1,000	Planted	FD	70	CW	30						
59	37.5	1,200	1,000	Planted	FD	70	CW	30						
59nc	37.5	1,200	1,000	Planted	FD	70	CW	30						
60	37.5	1,200	1,000	Planted	FD	70	CW	30						
60nc	37.5	1,200	1,000	Planted	FD	70	CW	30						
61	31.2	1,200	1,000	Planted	FD	70	CW	30						
61nc	31.2	1,200	1,000	Planted	FD	70	CW	30						
62	29.1	1,200	1,000	Planted	FD	70	CW	30						
62nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
63	40.6	1,200	1,000	Planted	FD	70	CW	30						
64	35.4	1,200	1,000	Planted	FD	70	CW	30						
65	36.4	1,200	1,000	Planted	FD	70	CW	30						
69	41.7	1,200	1,000	Planted	FD	70	CW	30						
69nc	41.7	1,200	1,000	Planted	FD	70	CW	30						
70nc	31.2	1,200	1,000	Planted	FD	70	CW	30						
71	37.5	1,200	1,000	Planted	FD	70	CW	30						
71nc	37.5	1,200	1,000	Planted	FD	70	CW	30						
72	26.0	1,200	1,000	Planted	FD	70	CW	30						
73	23.9	1,200	1,000	Planted	FD	70	CW	30						
75	34.4	1,200	1,000	Planted	FD	70	CW	30						
75nc	34.4	1,200	1,000	Planted	FD	70	CW	30						

Polygon	SI (m)	Dens (s/ha)	Thin (s/ha)	Regen	S1	%	S2	%	S3	%	S4	%	S5	%
76	29.1	1,200	1,000	Planted	FD	70	CW	30						
77	29.1	1,200	1,000	Planted	FD	70	CW	30						
77nc	29.1	1,200	1,000	Planted	FD	70	CW	30						
78	37.5	1,200	1,000	Planted	FD	70	CW	30						
79	40.6	1,200	1,000	Planted	FD	70	CW	30						
79nc	40.6	1,200	1,000	Planted	FD	70	CW	30						
81	38.5	1,200	1,000	Planted	FD	70	CW	30						
81nc	38.5	1,200	1,000	Planted	FD	70	CW	30						
82	37.5	1,200	1,000	Planted	FD	70	CW	30						
Roadnc	20.8	1,200	1,000	Planted	FD	70	CW	30						
8a	43.8	1,200	1,000	Planted	FD	70	CW	30						
8b	43.8	1,200	1,000	Planted	FD	70	CW	30						
8c	43.8	1,200	1,000	Planted	FD	70	CW	30						
8d	43.8	1,200	1,000	Planted	FD	70	CW	30						
8nca	43.8	1,200	1,000	Planted	FD	70	CW	30						
11a	29.1	1,200	1,000	Planted	FD	70	CW	30						
15a	29.1	1,200	1,000	Planted	FD	70	CW	30						
17a	29.1	1,200	1,000	Planted	FD	70	CW	30						
20a	35.4	1,200	1,000	Planted	FD	70	CW	30						
24a	41.7	1,200	1,000	Planted	FD	70	CW	30						
27a	36.4	1,200	1,000	Planted	FD	70	CW	30						
27b	36.4	1,200	1,000	Planted	FD	70	CW	30						
31a	29.1	1,200	1,000	Planted	FD	70	CW	30						
35a	38.5	1,200	1,000	Planted	FD	70	CW	30						
38a	35.4	1,200	1,000	Planted	FD	70	CW	30						
44a	37.5	1,200	1,000	Planted	FD	70	CW	30						
55a	37.5	1,200	1,000	Planted	FD	70	CW	30						
59a	37.5	1,200	1,000	Planted	FD	70	CW	30						
59b	37.5	1,200	1,000	Planted	FD	70	CW	30						
59nca	37.5	1,200	1,000	Planted	FD	70	CW	30						
64a	35.4	1,200	1,000	Planted	FD	70	CW	30						
Roadnca	20.8	1,200	1,000	Planted	FD	70	CW	30						

d) TIPSYP Enhanced Management Variables

Polygon	CT@ (m)	CT To (s/ha)	Fert Year	Fert Vol	S1	GW (%)	S2	GW (%)	S3	GW (%)	S4	GW (%)	S5	GW (%)
1					FD	8								
1nc					FD	8								
2					FD	8								
2nc					FD	8								
3nc					FD	8								
4nc					FD	8								
5					FD	8								
6					FD	8								
7					FD	8								
8					FD	8								
8nc					FD	8								
9					FD	8								
9nc					FD	8								
10					FD	8								
11					FD	8								
11nc					FD	8								
12					FD	8								
13					FD	8								
13nc					FD	8								
14					FD	8								
14nc					FD	8								
15					FD	8								
15nc					FD	8								
16					FD	8								
16nc					FD	8								
17					FD	8								
17nc					FD	8								
18					FD	8								

Polygon	CT@ (m)	CT To (s/ha)	Fert Year	Fert Vol	S1	GW (%)	S2	GW (%)	S3	GW (%)	S4	GW (%)	S5	GW (%)
18nc					FD	8								
19					FD	8								
19nc					FD	8								
20					FD	8								
20nc					FD	8								
21					FD	8								
22					FD	8								
22nc					FD	8								
23					FD	8								
23nc					FD	8								
24					FD	8								
24nc					FD	8								
25					FD	8								
26					FD	8								
26nc					FD	8								
27					FD	8								
29					FD	8								
29nc					FD	8								
30					FD	8								
31					FD	8								
31nc					FD	8								
32					FD	8								
32nc					FD	8								
33					FD	8								
33nc					FD	8								
34					FD	8								
34nc					FD	8								
35					FD	8								
35nc					FD	8								
37					FD	8								
37nc					FD	8								
38					FD	8								
38nc					FD	8								
39					FD	8								
39nc					FD	8								
40					FD	8								
40nc					FD	8								
41					FD	8								
41nc					FD	8								
42					FD	8								
42nc					FD	8								
43					FD	8								
43nc					FD	8								
44					FD	8								
44nc					FD	8								
45					FD	8								
46nc					FD	8								
47					FD	8								
48nc					FD	8								
49					FD	8								
49nc					FD	8								
50nc														
51					FD	8								
52					FD	8								
52nc					FD	8								
53					FD	8								
53nc					FD	8								
54					FD	8								
54nc					FD	8								
55					FD	8								
55nc					FD	8								
56					FD	8								
57					FD	8								
57nc					FD	8								
58					FD	8								
59					FD	8								
59nc					FD	8								

Polygon	CT@ (m)	CT To (s/ha)	Fert Year	Fert Vol	S1	GW (%)	S2	GW (%)	S3	GW (%)	S4	GW (%)	S5	GW (%)
60					FD	8								
60nc					FD	8								
61					FD	8								
61nc					FD	8								
62					FD	8								
62nc					FD	8								
63					FD	8								
64					FD	8								
65					FD	8								
69					FD	8								
69nc					FD	8								
70nc					FD	8								
71					FD	8								
71nc					FD	8								
72					FD	8								
73					FD	8								
75					FD	8								
75nc					FD	8								
76					FD	8								
77					FD	8								
77nc					FD	8								
78					FD	8								
79					FD	8								
79nc					FD	8								
81					FD	8								
81nc					FD	8								
82					FD	8								
Roadnc					FD	8								
8a					FD	8								
8b					FD	8								
8c					FD	8								
8d					FD	8								
8nca					FD	8								
11a					FD	8								
15a					FD	8								
17a					FD	8								
20a					FD	8								
24a					FD	8								
27a					FD	8								
27b					FD	8								
31a					FD	8								
35a					FD	8								
38a					FD	8								
44a					FD	8								
55a					FD	8								
59a					FD	8								
59b					FD	8								
59nca					FD	8								
64a					FD	8								
Roadnca					FD	8								

e) Polygon Yields

Polygon	Yield	Cur	Vol	MAI	Target	Vol	MAI	PC %	Reentry
	Ex/Fut	Age	(m ³ /ha)	(m ³ /ha/yr)	Age	(m ³ /ha)	(m ³ /ha/yr)		Year
1	VDYP	67	782	11.67	100	1,074	10.74		
	TIPSY	70	887	12.67	100	1,203	12.03		
1nc	VDYP	67	782	11.67	999	1,506	5.02		
	TIPSY	70	887	12.67	999	1,619	4.63		
2	VDYP	66	494	7.49	[90]	639	7.10		
	TIPSY	70	887	12.67	[84]	1,049	12.49		
2nc	VDYP	66	494	7.49	999	1,013	3.38		
	TIPSY	70	887	12.67	999	1,619	4.63		
3nc	VDYP	69	315	4.57	999	645	2.15		
	TIPSY	80	754	9.43	999	1,465	4.19		

Polygon	Yield	Cur	Vol	MAI	Target	Vol	MAI	PC %	Reentry
	Ex/Fut	Age	(m ³ /ha)	(m ³ /ha/yr)	Age	(m ³ /ha)	(m ³ /ha/yr)		Year
4nc	VDYP	81	473	5.84	999	878	2.93		
	TIPSY	80	702	8.78	999	1,388	3.97		
5	VDYP	71	307	4.33	[98]	398	4.06		
	TIPSY	70	795	11.36	[95]	1,047	11.03		
6	VDYP	58	485	8.36	[81]	644	7.95		
	TIPSY	60	969	16.15	[65]	1,049	16.13		
7	VDYP	81	838	10.34	[117]	1,111	9.50		
	TIPSY	90	734	8.16	120	920	7.67		
8	VDYP	62	756	12.19	[77]	923	11.99		
	TIPSY	60	1,102	18.37	[60]	1,102	18.37		
8nc	VDYP	62	756	12.19	999	1,609	5.36		
	TIPSY	60	1,102	18.37	999	1,554	4.44		
9	VDYP	72	782	10.86	[85]	908	10.69		
	TIPSY	70	795	11.36	[95]	1,047	11.03		
9nc	VDYP	72	782	10.86	999	1,566	5.22		
	TIPSY	70	795	11.36	999	1,627	4.65		
10	VDYP	81	763	9.42	[103]	935	9.08		
	TIPSY	80	702	8.78	120	982	8.18		
11	VDYP	81	968	11.95	[95]	1,101	11.59		
	TIPSY	80	702	8.78	120	982	8.18		
11nc	VDYP	81	968	11.95	999	1,845	6.15		
	TIPSY	80	702	8.78	999	1,388	3.97		
12	VDYP	84	713	8.49	[102]	848	8.31		
	TIPSY	80	702	8.78	120	982	8.18		
13	VDYP	81	730	9.01	[94]	832	8.85		
	TIPSY	80	702	8.78	120	982	8.18		
13nc	VDYP	81	730	9.01	999	1,533	5.11		
	TIPSY	80	702	8.78	999	1,388	3.97		
14	VDYP	68	710	10.44	[81]	837	10.34		
	TIPSY	70	1,082	15.46	[70]	1,082	15.46		
14nc	VDYP	68	710	10.44	999	1,471	4.90		
	TIPSY	70	1,082	15.46	999	1,595	4.56		
15	VDYP	81	702	8.67	[100]	839	8.39		
	TIPSY	80	702	8.78	120	982	8.18		
15nc	VDYP	81	702	8.67	999	1,461	4.87		
	TIPSY	80	702	8.78	999	1,388	3.97		
16	VDYP	81	702	8.67	[100]	839	8.39		
	TIPSY	80	702	8.78	120	982	8.18		
16nc	VDYP	81	702	8.67	999	1,461	4.87		
	TIPSY	80	702	8.78	999	1,388	3.97		
17	VDYP	81	646	7.97	[98]	761	7.76		
	TIPSY	80	702	8.78	120	982	8.18		
17nc	VDYP	81	646	7.97	999	1,349	4.50		
	TIPSY	80	702	8.78	999	1,388	3.97		
18	VDYP	74	714	9.65	[106]	937	8.84		
	TIPSY	90	681	7.57	120	863	7.19		
18nc	VDYP	74	714	9.65	999	1,422	4.74		
	TIPSY	90	681	7.57	999	1,237	3.53		
19	VDYP	81	714	8.82	[93]	813	8.74		
	TIPSY	80	702	8.78	120	982	8.18		
19nc	VDYP	81	714	8.82	999	1,507	5.02		
	TIPSY	80	702	8.78	999	1,388	3.97		
20	VDYP	74	421	5.69	[91]	501	5.50		
	TIPSY	70	887	12.67	[84]	1,049	12.49		
20nc	VDYP	74	421	5.69	999	832	2.77		
	TIPSY	70	887	12.67	999	1,619	4.63		
21	VDYP	76	1,040	13.68	[104]	1,330	12.79		
	TIPSY	70	887	12.67	[84]	1,049	12.49		
22	VDYP	81	731	9.02	120	979	8.16		
	TIPSY	80	702	8.78	120	982	8.18		
22nc	VDYP	81	731	9.02	999	1,546	5.15		
	TIPSY	80	702	8.78	999	1,388	3.97		
23	VDYP	63	781	12.40	[99]	1,111	11.22		
	TIPSY	70	934	13.34	[80]	1,062	13.28		
23nc	VDYP	63	781	12.40	999	1,546	5.15		
	TIPSY	70	934	13.34	999	1,618	4.62		

Polygon	Yield	Cur	Vol	MAI	Target	Vol	MAI	PC %	Reentry
	Ex/Fut	Age	(m ³ /ha)	(m ³ /ha/yr)	Age	(m ³ /ha)	(m ³ /ha/yr)		Year
24	VDYP	64	951	14.86	[81]	1,178	14.55		
	TIPSY	60	1,014	16.90	[63]	1,063	16.87		
24nc	VDYP	64	951	14.86	999	1,997	6.66		
	TIPSY	60	1,014	16.90	999	1,549	4.43		
25	VDYP	89	995	11.17	120	1,265	10.54		
	TIPSY	80	702	8.78	120	982	8.18		
26	VDYP	66	688	10.42	[79]	815	10.32		
	TIPSY	60	969	16.15	[65]	1,049	16.13		
26nc	VDYP	66	688	10.42	999	1,446	4.82		
	TIPSY	60	969	16.15	999	1,580	4.51		
27	VDYP	70	1,169	16.71	[88]	1,429	16.24		
	TIPSY	70	934	13.34	[80]	1,062	13.28		
29	VDYP	82	842	10.27	120	1,148	9.56		
	TIPSY	90	681	7.57	120	863	7.19		
29nc	VDYP	82	842	10.27	999	1,658	5.53		
	TIPSY	90	681	7.57	999	1,237	3.53		
30	VDYP	72	814	11.31	[114]	1,150	10.09		
	TIPSY	70	795	11.36	[95]	1,047	11.03		
31	VDYP	84	577	6.87	[118]	758	6.42		
	TIPSY	80	702	8.78	120	982	8.18		
31nc	VDYP	84	577	6.87	999	1,214	4.05		
	TIPSY	80	702	8.78	999	1,388	3.97		
32	VDYP	75	788	10.51	[97]	969	9.99		
	TIPSY	70	795	11.36	[95]	1,047	11.03		
32nc	VDYP	75	788	10.51	999	1,597	5.32		
	TIPSY	70	795	11.36	999	1,627	4.65		
33	VDYP	81	896	11.07	[106]	1,106	10.43		
	TIPSY	90	734	8.16	120	920	7.67		
33nc	VDYP	81	896	11.07	999	1,851	6.17		
	TIPSY	90	734	8.16	999	1,309	3.74		
34	VDYP	74	1,038	14.03	[103]	1,343	13.04		
	TIPSY	80	804	10.05	[110]	1,044	9.49		
34nc	VDYP	74	1,038	14.03	999	2,046	6.82		
	TIPSY	80	804	10.05	999	1,547	4.42		
35	VDYP	60	867	14.45	[84]	1,154	13.73		
	TIPSY	70	1,033	14.76	[72]	1,059	14.72		
35nc	VDYP	60	867	14.45	999	1,899	6.33		
	TIPSY	70	1,033	14.76	999	1,597	4.56		
37	VDYP	76	695	9.15	[119]	957	8.04		
	TIPSY	90	734	8.16	120	920	7.67		
37nc	VDYP	76	695	9.15	999	1,442	4.81		
	TIPSY	90	734	8.16	999	1,309	3.74		
38	VDYP	62	510	8.23	[81]	648	8.00		
	TIPSY	70	887	12.67	[84]	1,049	12.49		
38nc	VDYP	62	510	8.23	999	1,061	3.54		
	TIPSY	70	887	12.67	999	1,619	4.63		
39	VDYP	74	1,038	14.03	[103]	1,343	13.04		
	TIPSY	80	804	10.05	[110]	1,044	9.49		
39nc	VDYP	74	1,038	14.03	999	2,046	6.82		
	TIPSY	80	804	10.05	999	1,547	4.42		
40	VDYP	46	247	5.36	120	419	3.49		
	TIPSY	90	734	8.16	120	920	7.67		
40nc	VDYP	46	247	5.36	999	527	1.76		
	TIPSY	90	734	8.16	999	1,309	3.74		
41	VDYP	59	190	3.22	[117]	300	2.56		
	TIPSY	70	1,033	14.76	[72]	1,059	14.72		
41nc	VDYP	59	190	3.22	999	361	1.20		
	TIPSY	70	1,033	14.76	999	1,597	4.56		
42	VDYP	81	558	6.89	[112]	724	6.47		
	TIPSY	80	702	8.78	120	982	8.18		
42nc	VDYP	81	558	6.89	999	1,201	4.00		
	TIPSY	80	702	8.78	999	1,388	3.97		
43	VDYP	81	1,312	16.20	120	1,804	15.03		
	TIPSY	80	702	8.78	120	982	8.18		
43nc	VDYP	81	1,312	16.20	999	2,731	9.10		
	TIPSY	80	702	8.78	999	1,388	3.97		

Polygon	Yield	Cur	Vol	MAI	Target	Vol	MAI	PC %	Reentry
	Ex/Fut	Age	(m ³ /ha)	(m ³ /ha/yr)	Age	(m ³ /ha)	(m ³ /ha/yr)		Year
44	TIPSY	70	986	14.09	[75]	1,591	4.55		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
44nc	TIPSY	70	986	14.09	999	1,591	4.55		
	TIPSY	70	986	14.09	999	1,591	4.55		
45	TIPSY	70	1,082	15.46	[70]	1,595	4.56		
	TIPSY	70	1,082	15.46	[70]	1,082	15.46		
46nc	VDYP	70	610	8.72	999	1,152	3.84		
	TIPSY	80	853	10.66	999	1,600	4.57		
47	VDYP	88	333	3.78	120	431	3.59		
	TIPSY	110	374	3.40	120	408	3.40		
48nc	VDYP	81	384	4.74	999	794	2.65		
	TIPSY	80	702	8.78	999	1,388	3.97		
49	VDYP	81	466	5.75	[114]	602	5.28		
	TIPSY	90	734	8.16	120	920	7.67		
49nc	VDYP	81	466	5.75	999	933	3.11		
	TIPSY	90	734	8.16	999	1,309	3.74		
50nc	VDYP	69	315	4.57	999	645	2.15		
	VDYP	69	315	4.57	999	645	2.15		
51	VDYP	37	176	4.77	120	348	2.90		
	TIPSY	80	702	8.78	120	982	8.18		
52	TIPSY	70	986	14.09	[75]	1,591	4.55		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
52nc	TIPSY	70	986	14.09	999	1,591	4.55		
	TIPSY	70	986	14.09	999	1,591	4.55		
53	TIPSY	70	986	14.09	[75]	1,591	4.55		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
53nc	TIPSY	70	986	14.09	999	1,591	4.55		
	TIPSY	70	986	14.09	999	1,591	4.55		
54	TIPSY	70	986	14.09	[75]	1,591	4.55		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
54nc	TIPSY	70	986	14.09	999	1,591	4.55		
	TIPSY	70	986	14.09	999	1,591	4.55		
55	TIPSY	70	986	14.09	[75]	1,591	4.55		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
55nc	TIPSY	70	986	14.09	999	1,591	4.55		
	TIPSY	70	986	14.09	999	1,591	4.55		
56	VDYP	81	508	6.27	[91]	560	6.15		
	TIPSY	80	702	8.78	120	982	8.18		
57	VDYP	81	1,154	14.25	[81]	1,154	14.25		
	TIPSY	70	887	12.67	[84]	1,049	12.49		
57nc	VDYP	81	1,154	14.25	999	2,253	7.51		
	TIPSY	70	887	12.67	999	1,619	4.63		
58	VDYP	71	1,107	15.60	[92]	1,389	15.10		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
59	VDYP	77	1,186	15.40	[96]	1,427	14.87		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
59nc	VDYP	77	1,186	15.40	999	2,154	7.18		
	TIPSY	70	986	14.09	999	1,591	4.55		
60	VDYP	81	749	9.24	[82]	757	9.22		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
60nc	VDYP	81	749	9.24	999	1,496	4.99		
	TIPSY	70	986	14.09	999	1,591	4.55		
61	VDYP	79	652	8.26	[101]	795	7.87		
	TIPSY	80	804	10.05	[110]	1,044	9.49		
61nc	VDYP	79	652	8.26	999	1,255	4.18		
	TIPSY	80	804	10.05	999	1,547	4.42		
62	VDYP	81	702	8.67	[100]	839	8.39		
	TIPSY	80	702	8.78	120	982	8.18		
62nc	VDYP	81	702	8.67	999	1,461	4.87		
	TIPSY	80	702	8.78	999	1,388	3.97		
63	VDYP	65	708	10.88	[87]	911	10.47		
	TIPSY	60	969	16.15	[65]	1,049	16.13		
64	VDYP	76	679	8.93	[92]	799	8.68		
	TIPSY	70	887	12.67	[84]	1,049	12.49		
65	VDYP	72	424	5.88	[89]	508	5.70		
	TIPSY	70	934	13.34	[80]	1,062	13.28		

Polygon	Yield	Cur	Vol	MAI	Target	Vol	MAI	PC %	Reentry
	Ex/Fut	Age	(m ³ /ha)	(m ³ /ha/yr)	Age	(m ³ /ha)	(m ³ /ha/yr)		Year
69	VDYP	64	777	12.15	[97]	1,077	11.10		
	TIPSY	60	1,014	16.90	[63]	1,063	16.87		
69nc	VDYP	64	777	12.15	999	1,528	5.09		
	TIPSY	60	1,014	16.90	999	1,549	4.43		
70nc	VDYP	75	687	9.16	999	1,374	4.58		
	TIPSY	80	804	10.05	999	1,547	4.42		
71	TIPSY	70	986	14.09	[75]	1,591	4.55		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
71nc	TIPSY	70	986	14.09	999	1,591	4.55		
	TIPSY	70	986	14.09	999	1,591	4.55		
72	VDYP	81	976	12.05	120	1,317	10.98		
	TIPSY	90	627	6.97	120	803	6.69		
73	VDYP	83	519	6.26	120	697	5.81		
	TIPSY	90	530	5.89	120	687	5.73		
75	VDYP	63	1,036	16.44	[99]	1,479	14.94		
	TIPSY	70	839	11.99	[90]	1,057	11.74		
75nc	VDYP	63	1,036	16.44	999	2,204	7.35		
	TIPSY	70	839	11.99	999	1,627	4.65		
76	VDYP	81	732	9.03	[89]	800	8.98		
	TIPSY	80	702	8.78	120	982	8.18		
77	VDYP	37	176	4.77	120	348	2.90		
	TIPSY	80	702	8.78	120	982	8.18		
77nc	VDYP	37	176	4.77	999	436	1.45		
	TIPSY	80	702	8.78	999	1,388	3.97		
78	VDYP	1	0	0.00	[999]	0	0.00		
	TIPSY	70	985	14.07	[75]	1,048	13.97		
79	VDYP	65	708	10.88	[87]	911	10.47		
	TIPSY	60	969	16.15	[65]	1,049	16.13		
79nc	VDYP	65	708	10.88	999	1,399	4.66		
	TIPSY	60	969	16.15	999	1,580	4.51		
81	VDYP	62	694	11.20	[91]	952	10.46		
	TIPSY	70	1,033	14.76	[72]	1,059	14.72		
81nc	VDYP	62	694	11.20	999	1,408	4.69		
	TIPSY	70	1,033	14.76	999	1,597	4.56		
82	TIPSY	70	986	14.09	[75]	1,591	4.55		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
Roadnc	NC								
	TIPSY	100	436	4.36	999	800	2.29		
8a	VDYP	62	756	12.19	[77]	923	11.99		
	TIPSY	60	1,102	18.37	[60]	1,102	18.37		
8b	VDYP	62	756	12.19	[77]	923	11.99		
	TIPSY	60	1,102	18.37	[60]	1,102	18.37		
8c	VDYP	62	756	12.19	[77]	923	11.99		
	TIPSY	60	1,102	18.37	[60]	1,102	18.37		
8d	VDYP	62	756	12.19	[77]	923	11.99		
	TIPSY	60	1,102	18.37	[60]	1,102	18.37		
8nca	VDYP	62	756	12.19	999	1,609	5.36		
	TIPSY	60	1,102	18.37	999	1,554	4.44		
11a	VDYP	81	968	11.95	[95]	1,101	11.59		
	TIPSY	80	702	8.78	120	982	8.18		
15a	VDYP	81	702	8.67	[100]	839	8.39		
	TIPSY	80	702	8.78	120	982	8.18		
17a	VDYP	81	646	7.97	[98]	761	7.76		
	TIPSY	80	702	8.78	120	982	8.18		
20a	VDYP	74	421	5.69	[91]	501	5.50		
	TIPSY	70	887	12.67	[84]	1,049	12.49		
24a	VDYP	64	951	14.86	[81]	1,178	14.55		
	TIPSY	60	1,014	16.90	[63]	1,063	16.87		
27a	VDYP	70	1,169	16.71	[88]	1,429	16.24		
	TIPSY	70	934	13.34	[80]	1,062	13.28		
27b	VDYP	70	1,169	16.71	[88]	1,429	16.24		
	TIPSY	70	934	13.34	[80]	1,062	13.28		
31a	VDYP	84	577	6.87	[118]	758	6.42		
	TIPSY	80	702	8.78	120	982	8.18		
35a	VDYP	60	867	14.45	[84]	1,154	13.73		
	TIPSY	70	1,033	14.76	[72]	1,059	14.72		

Polygon	Yield	Cur	Vol	MAI	Target	Vol	MAI	PC %	Reentry
	Ex/Fut	Age	(m ³ /ha)	(m ³ /ha/yr)	Age	(m ³ /ha)	(m ³ /ha/yr)		Year
38a	VDYP	62	510	8.23	[81]	648	8.00		
	TIPSY	70	887	12.67	[84]	1,049	12.49		
44a	TIPSY	70	986	14.09	[75]	1,591	4.55		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
55a	TIPSY	70	986	14.09	[75]	1,591	4.55		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
59a	VDYP	77	1,186	15.40	[96]	1,427	14.87		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
59b	VDYP	77	1,186	15.40	[96]	1,427	14.87		
	TIPSY	70	986	14.09	[75]	1,048	13.98		
59nca	VDYP	77	1,186	15.40	999	2,154	7.18		
	TIPSY	70	986	14.09	999	1,591	4.55		
64a	VDYP	76	679	8.93	[92]	799	8.68		
	TIPSY	70	887	12.67	[84]	1,049	12.49		
Roadnca	NC								
	TIPSY	100	436	4.36	999	800	2.29		
Average Existing			780	10.88		1092	8.75		
Average Future			868	12.25		1093	10.73		

3.0 Harvest Calculation Assumptions

a) Initial Cut Order (Closest to Harvest)

Polygon	Current Age	Target Age	Available for (yrs)
2	114	[90]	24
5	120	[98]	22
15	104	[100]	4
16	104	[100]	4
20	95	[91]	4
26	83	[79]	4
62	104	[100]	4
15a	104	[100]	4
20a	95	[91]	4
14	84	[81]	3
57	84	[81]	3
60	85	[82]	3
58	94	[92]	2
65	91	[89]	2
81	92	[91]	1
9	85	[85]	0
12	102	[102]	0
61	100	[101]	-1
63	86	[87]	-1
79	86	[87]	-1
56	88	[91]	-3
17	93	[98]	-5
76	84	[89]	-5
17a	93	[98]	-5
18	100	[106]	-6
64	86	[92]	-6
64a	86	[92]	-6
19	86	[93]	-7
13	84	[94]	-10
11	84	[95]	-11
24	70	[81]	-11
11a	84	[95]	-11
24a	70	[81]	-11
8	65	[77]	-12
8a	65	[77]	-12
8b	65	[77]	-12
8c	65	[77]	-12
8d	65	[77]	-12

Polygon	Current Age	Target Age	Available for (yrs)
1	86	100	-14
38	66	[81]	-15
59	81	[96]	-15
38a	66	[81]	-15
59a	81	[96]	-15
59b	81	[96]	-15
42	96	[112]	-16
69	81	[97]	-16
10	86	[103]	-17
6	63	[81]	-18
23	79	[99]	-20
21	83	[104]	-21
73	98	120	-22
49	90	[114]	-24
7	88	[117]	-29
33	76	[106]	-30
34	71	[103]	-32
39	71	[103]	-32
41	85	[117]	-32
27	55	[88]	-33
27a	55	[88]	-33
27b	55	[88]	-33
35	50	[84]	-34
35a	50	[84]	-34
72	85	120	-35
32	59	[97]	-38
47	82	120	-38
31	78	[118]	-40
31a	78	[118]	-40
22	73	120	-47
37	70	[119]	-49
29	69	120	-51
40	69	120	-51
30	58	[114]	-56
25	60	120	-60
45	10	[70]	-60
75	36	[99]	-63
52	11	[75]	-64
44	8	[75]	-67
53	8	[75]	-67
44a	8	[75]	-67
43	51	120	-69
54	6	[75]	-69
71	6	[75]	-69
82	6	[75]	-69
55	5	[75]	-70
55a	5	[75]	-70
51	1	120	-119
77	1	120	-119
3nc	128	999	-871
50nc	128	999	-871
2nc	114	999	-885
15nc	104	999	-895
16nc	104	999	-895
62nc	104	999	-895
70nc	101	999	-898
18nc	100	999	-899
61nc	100	999	-899
42nc	96	999	-903
20nc	95	999	-904
17nc	93	999	-906
81nc	92	999	-907
49nc	90	999	-909
4nc	88	999	-911
1nc	86	999	-913
19nc	86	999	-913
79nc	86	999	-913

Polygon	Current Age	Target Age	Available for (yrs)
9nc	85	999	-914
41nc	85	999	-914
60nc	85	999	-914
11nc	84	999	-915
13nc	84	999	-915
14nc	84	999	-915
57nc	84	999	-915
26nc	83	999	-916
59nc	81	999	-918
69nc	81	999	-918
59nca	81	999	-918
23nc	79	999	-920
48nc	79	999	-920
31nc	78	999	-921
33nc	76	999	-923
22nc	73	999	-926
34nc	71	999	-928
39nc	71	999	-928
24nc	70	999	-929
37nc	70	999	-929
29nc	69	999	-930
40nc	69	999	-930
38nc	66	999	-933
8nc	65	999	-934
8nca	65	999	-934
32nc	59	999	-940
43nc	51	999	-948
35nc	50	999	-949
46nc	43	999	-956
75nc	36	999	-963
52nc	11	999	-988
44nc	8	999	-991
53nc	8	999	-991
54nc	6	999	-993
71nc	6	999	-993
55nc	5	999	-994
77nc	1	999	-998

b) Harvest Constraints

At least 79% of the woodlot must be older than 15 yrs age at any point in time (to simulate a visual resource constraint).

c) Harvest Parameters (Global)

Minimum Harvest Age : 50 Years
 Minimum Harvest Diameter : 45 cm
 Minimum Harvest Vol/ha : 300 m³/ha
 TIPSYS OAF1 : 15%
 TIPSYS OAF2 : 5%
 P.C. Adjustment Factor : 0.80 (not applicable in this run)
 P.C. Harvest Ages : Manual - Set by user
 Planning Horizon : 250 years

4.0 Harvest Calculation Results

a) Harvest Rate : 2672 m³/year

b) Harvest by Polygon: **

Polygon	Own	Queue	Rot	Harvest Area (ha)	Start Year	Harvest Length (yr)	Target Harvest Age	Actual Harvest Age	Actual Harvest (m ³ /ha)	Total Harvest (m ³)
2	C	CC	1	1.76	2001	0.48	[90]	114	724	1,277
5	C	CC	1	2.06	2001	0.34	[98]	120	442	909
15	C	CC	1	0.49	2001	0.16	[100]	104	864	423
16	C	CC	1	4.12	2001	1.34	[100]	104	864	3,583
20	C	CC	1	0.78	2003	0.15	[91]	97	523	410
26	C	CC	1	2.94	2003	0.95	[79]	85	863	2,546
62	C	CC	1	0.98	2004	0.32	[100]	107	881	863
15a	C	CC	1	4.90	2004	1.63	[100]	107	881	4,345
20a	C	CC	1	4.90	2006	0.98	[91]	100	533	2,617
14	C	CC	1	0.49	2007	0.17	[81]	90	904	443
57	C	CC	1	2.65	2007	1.25	[81]	90	1,260	3,352
60	C	CC	1	3.82	2008	1.20	[82]	92	830	3,194
58	C	CC	1	2.06	2009	1.16	[92]	102	1,496	3,101
65	C	CC	1	0.69	2011	0.14	[89]	101	551	378
81	C	CC	1	3.14	2011	1.19	[91]	102	1,016	3,191
9	C	CC	1	1.96	2012	0.73	[85]	96	990	1,944
12	C	CC	1	1.47	2013	0.50	[102]	114	917	1,347
61	C	CC	1	1.37	2013	0.44	[101]	112	849	1,167
63	C	CC	1	0.78	2014	0.29	[87]	99	990	776
79	C	CC	1	0.88	2014	0.33	[87]	99	990	873
56	C	CC	1	3.72	2014	0.85	[91]	101	605	2,264
17	C	CC	1	1.18	2015	0.36	[98]	107	811	953
76	C	CC	1	0.10	2015	0.03	[89]	98	868	85
17a	C	CC	1	4.90	2015	1.50	[98]	107	811	4,004
18	C	CC	1	1.27	2017	0.47	[106]	116	982	1,251
64	C	CC	1	2.16	2017	0.70	[92]	102	858	1,860
64a	C	CC	1	4.90	2018	1.59	[92]	103	863	4,254
19	C	CC	1	4.61	2020	1.55	[93]	105	898	4,151
13	C	CC	1	0.39	2021	0.13	[94]	104	899	352
11	C	CC	1	0.49	2021	0.22	[95]	104	1,175	578
24	C	CC	1	1.08	2022	0.51	[81]	91	1,272	1,371
11a	C	CC	1	4.90	2022	2.18	[95]	105	1,182	5,837
24a	C	CC	1	4.90	2024	2.39	[81]	93	1,289	6,379
8	C	CC	1	1.27	2027	0.50	[77]	91	1,041	1,326
8a	C	CC	1	4.90	2027	1.92	[77]	91	1,041	5,140
8b	C	CC	1	4.90	2029	1.95	[77]	93	1,055	5,204
8c	C	CC	1	4.90	2031	1.97	[77]	95	1,068	5,267
8d	C	CC	1	4.90	2033	1.99	[77]	97	1,081	5,329
1	C	CC	1	4.41	2035	1.95	100	120	1,180	5,223
38	C	CC	1	0.59	2037	0.16	[81]	102	748	440
59	C	CC	1	2.55	2037	1.55	[96]	117	1,623	4,154
38a	C	CC	1	4.90	2039	1.39	[81]	104	755	3,708
59a	C	CC	1	4.90	2040	3.04	[96]	120	1,646	8,121
59b	C	CC	1	4.90	2043	3.09	[96]	123	1,668	8,243
42	C	CC	1	0.20	2046	0.06	[112]	141	847	166
69	C	CC	1	1.27	2046	0.58	[97]	126	1,222	1,561
10	C	CC	1	0.98	2047	0.40	[103]	132	1,103	1,081
6	C	CC	1	1.37	2047	0.39	[81]	109	753	1,036
23	C	CC	1	2.16	2048	1.00	[99]	126	1,244	2,685
21	C	CC	1	1.76	2049	1.00	[104]	131	1,515	2,674
73	C	CC	1	0.20	2050	0.06	120	147	799	157
49	C	CC	1	3.53	2050	0.91	[114]	139	685	2,419
7	C	CC	1	2.55	2051	1.18	[117]	138	1,236	3,154
33	C	CC	1	1.47	2052	0.68	[106]	127	1,232	1,812
34	C	CC	1	3.82	2053	2.12	[103]	123	1,479	5,672
39	C	CC	1	1.76	2055	0.99	[103]	125	1,495	2,638

Polygon	Own	Queue	Rot	Harvest Area (ha)	Start Year	Harvest Length (yr)	Target Harvest Age	Actual Harvest Age	Actual Harvest (m ³ /ha)	Total Harvest (m ³)
41	C	CC	1	4.12	2056	0.50	[117]	140	322	1,325
27	C	CC	1	1.27	2056	0.79	[88]	110	1,647	2,104
27a	C	CC	1	4.90	2057	3.06	[88]	111	1,655	8,162
27b	C	CC	1	4.90	2060	3.10	[88]	114	1,677	8,270
35	C	CC	1	1.57	2063	0.79	[84]	112	1,348	2,117
35a	C	CC	1	4.90	2064	2.49	[84]	113	1,353	6,654
72	C	CC	1	1.18	2066	0.68	120	150	1,537	1,813
32	C	CC	1	4.51	2067	1.90	[97]	125	1,120	5,073
47	C	CC	1	0.98	2069	0.18	120	150	484	475
31	C	CC	1	2.94	2069	0.98	[118]	146	884	2,605
31a	C	CC	1	4.90	2070	1.63	[118]	147	888	4,366
22	C	CC	1	1.18	2072	0.49	120	144	1,114	1,311
37	C	CC	1	3.33	2072	1.33	[119]	141	1,063	3,555
29	C	CC	1	1.37	2074	0.66	120	142	1,284	1,761
40	C	CC	1	0.39	2074	0.07	120	142	446	175
30	C	CC	1	4.90	2074	2.29	[114]	131	1,240	6,108
25	C	CC	1	2.06	2077	1.08	120	136	1,401	2,884
45	C	CC	1	0.39	2078	0.19	[70]	87	1,294	507
75	C	CC	1	3.53	2078	2.10	[99]	113	1,586	5,615
52	C	CC	1	1.67	2080	0.76	[75]	90	1,223	2,041
44	C	CC	1	2.25	2081	1.01	[75]	88	1,200	2,710
53	C	CC	1	3.33	2082	1.52	[75]	89	1,212	4,055
44a	C	CC	1	4.90	2083	2.26	[75]	90	1,223	6,050
43	C	CC	1	0.88	2085	0.65	120	135	1,960	1,736
54	C	CC	1	3.92	2086	1.82	[75]	91	1,232	4,866
71	C	CC	1	2.06	2088	0.97	[75]	93	1,250	2,580
82	C	CC	1	0.29	2089	0.14	[75]	94	1,259	370
55	C	CC	1	0.20	2089	0.09	[75]	93	1,250	245
55a	C	CC	1	4.90	2089	2.31	[75]	93	1,250	6,180
2	C	CC	2	1.76	2091	0.74	[84]	90	1,112	1,976
20	C	CC	2	0.78	2092	0.32	[84]	89	1,102	864
26	C	CC	2	2.94	2093	1.51	[65]	89	1,371	4,043
20a	C	CC	2	4.90	2094	2.02	[84]	88	1,091	5,399
5	C	CC	2	2.06	2096	0.81	[95]	95	1,047	2,162
14	C	CC	2	0.49	2097	0.24	[70]	90	1,328	651
57	C	CC	2	2.65	2097	1.10	[84]	89	1,102	2,932
60	C	CC	2	3.82	2098	1.76	[75]	90	1,223	4,711
58	C	CC	2	2.06	2100	0.95	[75]	90	1,223	2,525
65	C	CC	2	0.69	2101	0.30	[80]	90	1,167	801
81	C	CC	2	3.14	2101	1.50	[72]	89	1,264	3,995
63	C	CC	2	0.78	2103	0.40	[65]	89	1,371	1,075
79	C	CC	2	0.88	2103	0.45	[65]	89	1,371	1,211
64	C	CC	2	2.16	2104	0.86	[84]	86	1,070	2,307
64a	C	CC	2	4.90	2104	1.97	[84]	85	1,060	5,264
24	C	CC	2	1.08	2106	0.55	[63]	84	1,365	1,482
9	C	CC	2	1.96	2107	0.77	[95]	95	1,047	2,057
24a	C	CC	2	4.90	2108	2.48	[63]	82	1,341	6,628
8	C	CC	2	1.27	2110	0.70	[60]	83	1,461	1,871
8a	C	CC	2	4.90	2111	2.71	[60]	83	1,461	7,237
8b	C	CC	2	4.90	2114	2.73	[60]	84	1,474	7,286
8c	C	CC	2	4.90	2116	2.75	[60]	84	1,474	7,335
8d	C	CC	2	4.90	2119	2.76	[60]	85	1,488	7,382
51	C	CC	1	1.18	2122	0.15	120	122	350	411
77	C	CC	1	0.29	2122	0.04	120	122	350	103
15	C	CC	2	0.49	2122	0.18	120	121	987	484
16	C	CC	2	4.12	2122	1.52	120	120	982	4,061
62	C	CC	2	0.98	2124	0.36	120	120	982	962
61	C	CC	2	1.37	2124	0.54	[110]	110	1,044	1,434
15a	C	CC	2	4.90	2125	1.81	120	120	982	4,824
38	C	CC	2	0.59	2126	0.24	[84]	89	1,102	652
59	C	CC	2	2.55	2127	1.16	[75]	89	1,212	3,096
38a	C	CC	2	4.90	2128	2.02	[84]	88	1,091	5,389
59a	C	CC	2	4.90	2130	2.22	[75]	88	1,200	5,935
59b	C	CC	2	4.90	2132	2.23	[75]	88	1,200	5,946
12	C	CC	2	1.47	2134	0.54	120	121	987	1,455
56	C	CC	2	3.72	2135	1.38	120	121	987	3,685

Polygon	Own	Queue	Rot	Harvest Area (ha)	Start Year	Harvest Length (yr)	Target Harvest Age	Actual Harvest Age	Actual Harvest (m ³ /ha)	Total Harvest (m ³)
17	C	CC	2	1.18	2136	0.44	120	121	987	1,163
76	C	CC	2	0.10	2137	0.04	120	122	992	97
17a	C	CC	2	4.90	2137	1.82	120	121	987	4,850
18	C	CC	2	1.27	2139	0.42	120	122	872	1,111
1	C	CC	2	4.41	2139	2.03	100	103	1,226	5,435
19	C	CC	2	4.61	2141	1.71	120	121	987	4,564
13	C	CC	2	0.39	2143	0.15	120	122	992	389
11	C	CC	2	0.49	2143	0.18	120	121	987	484
11a	C	CC	2	4.90	2143	1.81	120	120	982	4,833
69	C	CC	2	1.27	2145	0.73	[63]	99	1,538	1,960
6	C	CC	2	1.37	2146	0.75	[65]	98	1,469	2,016
23	C	CC	2	2.16	2146	1.01	[80]	98	1,241	2,690
21	C	CC	2	1.76	2147	0.78	[84]	97	1,176	2,086
41	C	CC	2	4.12	2148	2.01	[72]	92	1,294	5,368
27	C	CC	2	1.27	2150	0.58	[80]	94	1,204	1,537
27a	C	CC	2	4.90	2151	2.20	[80]	93	1,195	5,889
27b	C	CC	2	4.90	2153	2.17	[80]	91	1,176	5,806
35	C	CC	2	1.57	2155	0.76	[72]	91	1,285	2,020
35a	C	CC	2	4.90	2156	2.37	[72]	91	1,285	6,339
45	C	CC	2	0.39	2158	0.18	[70]	80	1,216	477
52	C	CC	2	1.67	2158	0.68	[75]	78	1,085	1,824
44	C	CC	2	2.25	2159	0.91	[75]	77	1,073	2,431
53	C	CC	2	3.33	2160	1.36	[75]	78	1,085	3,640
44a	C	CC	2	4.90	2161	2.00	[75]	77	1,073	5,335
32	C	CC	2	4.51	2163	1.78	[95]	95	1,047	4,766
34	C	CC	2	3.82	2165	1.51	[110]	111	1,050	4,033
42	C	CC	2	0.20	2167	0.07	120	121	987	193
10	C	CC	2	0.98	2167	0.36	120	120	982	962
39	C	CC	2	1.76	2167	0.69	[110]	111	1,050	1,856
54	C	CC	2	3.92	2168	1.65	[75]	81	1,121	4,419
75	C	CC	2	3.53	2169	1.41	[90]	90	1,057	3,763
73	C	CC	2	0.20	2171	0.05	120	121	691	135
49	C	CC	2	3.53	2171	1.22	120	121	925	3,271
7	C	CC	2	2.55	2172	0.88	120	120	920	2,350
33	C	CC	2	1.47	2173	0.51	120	121	925	1,360
30	C	CC	2	4.90	2173	1.97	[95]	97	1,064	5,275
71	C	CC	2	2.06	2175	0.92	[75]	87	1,189	2,468
82	C	CC	2	0.29	2176	0.13	[75]	87	1,189	350
55	C	CC	2	0.20	2176	0.09	[75]	87	1,189	234
55a	C	CC	2	4.90	2177	2.19	[75]	87	1,189	5,864
2	C	CC	3	1.76	2179	0.71	[84]	87	1,081	1,906
20	C	CC	3	0.78	2179	0.32	[84]	87	1,081	854
26	C	CC	3	2.94	2180	1.48	[65]	86	1,336	3,946
20a	C	CC	3	4.90	2181	1.99	[84]	86	1,070	5,307
14	C	CC	3	0.49	2183	0.24	[70]	86	1,283	629
57	C	CC	3	2.65	2183	1.06	[84]	85	1,060	2,832
60	C	CC	3	3.82	2185	1.69	[75]	86	1,178	4,520
72	C	CC	2	1.18	2186	0.35	120	120	803	946
58	C	CC	3	2.06	2187	0.92	[75]	87	1,189	2,447
65	C	CC	3	0.69	2187	0.29	[80]	86	1,125	779
81	C	CC	3	3.14	2188	1.45	[72]	86	1,231	3,877
47	C	CC	2	0.98	2189	0.15	120	120	408	400
63	C	CC	3	0.78	2189	0.39	[65]	86	1,336	1,054
31	C	CC	2	2.94	2190	1.08	120	120	982	2,892
31a	C	CC	2	4.90	2191	1.81	120	120	982	4,830
22	C	CC	2	1.18	2193	0.43	120	121	987	1,161
37	C	CC	2	3.33	2193	1.15	120	120	920	3,076
29	C	CC	2	1.37	2194	0.44	120	120	863	1,187
40	C	CC	2	0.39	2195	0.14	120	121	925	363
5	C	CC	3	2.06	2195	0.83	[95]	99	1,081	2,229
79	C	CC	3	0.88	2196	0.46	[65]	92	1,405	1,239
64	C	CC	3	2.16	2196	0.92	[84]	92	1,130	2,449
64a	C	CC	3	4.90	2197	2.09	[84]	92	1,130	5,587
25	C	CC	2	2.06	2199	0.76	120	121	987	2,037
24	C	CC	3	1.08	2200	0.60	[63]	94	1,482	1,598
24a	C	CC	3	4.90	2201	2.70	[63]	92	1,460	7,203

Polygon	Own	Queue	Rot	Harvest Area (ha)	Start Year	Harvest Length (yr)	Target Harvest Age	Actual Harvest Age	Actual Harvest (m ³ /ha)	Total Harvest (m ³)
9	C	CC	3	1.96	2203	0.77	[95]	95	1,047	2,062
8	C	CC	3	1.27	2204	0.74	[60]	94	1,554	1,980
8a	C	CC	3	4.90	2205	2.85	[60]	93	1,554	7,615
43	C	CC	2	0.88	2208	0.33	120	122	992	875
8b	C	CC	3	4.90	2208	2.85	[60]	93	1,554	7,615
8c	C	CC	3	4.90	2211	2.85	[60]	93	1,554	7,615
8d	C	CC	3	4.90	2214	2.85	[60]	94	1,554	7,615
38	C	CC	3	0.59	2216	0.25	[84]	90	1,112	658
59	C	CC	3	2.55	2217	1.16	[75]	89	1,212	3,096
38a	C	CC	3	4.90	2218	2.04	[84]	89	1,102	5,441
59a	C	CC	3	4.90	2220	2.24	[75]	89	1,212	5,990
59b	C	CC	3	4.90	2222	2.25	[75]	89	1,212	6,000
69	C	CC	3	1.27	2224	0.62	[63]	78	1,289	1,656
6	C	CC	3	1.37	2225	0.64	[65]	79	1,252	1,722
23	C	CC	3	2.16	2226	0.86	[80]	80	1,062	2,290
41	C	CC	3	4.12	2226	1.76	[72]	77	1,125	4,706
35	C	CC	3	1.57	2228	0.63	[72]	72	1,059	1,673
35a	C	CC	3	4.90	2229	1.96	[72]	72	1,059	5,245
27	C	CC	3	1.27	2231	0.51	[80]	81	1,073	1,366
45	C	CC	3	0.39	2231	0.16	[70]	73	1,122	441
21	C	CC	3	1.76	2232	0.69	[84]	84	1,049	1,850
27a	C	CC	3	4.90	2232	1.97	[80]	80	1,062	5,265
61	C	CC	3	1.37	2234	0.54	[110]	110	1,044	1,436
27b	C	CC	3	4.90	2235	1.98	[80]	81	1,073	5,291
52	C	CC	3	1.67	2237	0.68	[75]	79	1,098	1,829
44	C	CC	3	2.25	2237	0.91	[75]	77	1,073	2,442
53	C	CC	3	3.33	2238	1.37	[75]	78	1,085	3,656
1	C	CC	3	4.41	2240	1.99	100	100	1,203	5,327
51	C	CC	2	1.18	2242	0.43	120	120	982	1,155
77	C	CC	2	0.29	2242	0.11	120	120	982	289
15	C	CC	3	0.49	2242	0.18	120	120	982	481
44a	C	CC	3	4.90	2242	2.06	[75]	80	1,110	5,516
16	C	CC	3	4.12	2244	1.53	120	121	987	4,089
62	C	CC	3	0.98	2246	0.36	120	122	992	972
15a	C	CC	3	4.90	2246	1.81	120	120	982	4,843
54	C	CC	3	3.92	2248	1.64	[75]	80	1,110	4,394
26	C	CC	4	2.94	2250	1.25	[65]	70	1,128	3,334
71	C	CC	3	1.16	2251	0.46	[75]	75	1,048	1,219

c) Polygons not harvested

The following forest polygons were not harvested:

Polygon	Own	Harvest Area (ha)	Reason
1nc	C	0.4	Minimum parameters never met
2nc	C	0.6	Minimum parameters never met
3nc	C	0.6	Minimum parameters never met
4nc	C	0.3	Minimum parameters never met
8nc	C	0.5	Minimum parameters never met
9nc	C	0.4	Minimum parameters never met
11nc	C	3.1	Minimum parameters never met
13nc	C	0.2	Minimum parameters never met
14nc	C	0.2	Minimum parameters never met
15nc	C	0.4	Minimum parameters never met
16nc	C	0.6	Minimum parameters never met
17nc	C	1.0	Minimum parameters never met
18nc	C	1.1	Minimum parameters never met
19nc	C	0.3	Minimum parameters never met
20nc	C	0.5	Minimum parameters never met
22nc	C	0.5	Minimum parameters never met
23nc	C	0.2	Minimum parameters never met
24nc	C	2.2	Minimum parameters never met
26nc	C	0.5	Minimum parameters never met
29nc	C	0.8	Minimum parameters never met
31nc	C	0.6	Minimum parameters never met
32nc	C	0.2	Minimum parameters never met
33nc	C	0.2	Minimum parameters never met
34nc	C	0.7	Minimum parameters never met
35nc	C	0.8	Minimum parameters never met
37nc	C	2.7	Minimum parameters never met
38nc	C	0.7	Minimum parameters never met
39nc	C	0.4	Minimum parameters never met
40nc	C	0.5	Minimum parameters never met
41nc	C	0.4	Minimum parameters never met
42nc	C	0.2	Minimum parameters never met
43nc	C	0.2	Minimum parameters never met
44nc	C	0.3	Minimum parameters never met
46nc	C	0.3	Minimum parameters never met
48nc	C	0.3	Minimum parameters never met
49nc	C	0.6	Minimum parameters never met
50nc	C	0.7	Minimum parameters never met
52nc	C	0.1	Minimum parameters never met
53nc	C	0.8	Minimum parameters never met
54nc	C	1.0	Minimum parameters never met
55nc	C	1.0	Minimum parameters never met
57nc	C	1.0	Minimum parameters never met
59nc	C	0.8	Minimum parameters never met
60nc	C	0.6	Minimum parameters never met
61nc	C	0.4	Minimum parameters never met
62nc	C	0.3	Minimum parameters never met
Polygon	Own	Harvest Area (ha)	Reason
69nc	C	0.3	Minimum parameters never met
70nc	C	0.6	Minimum parameters never met
71nc	C	0.4	Minimum parameters never met
75nc	C	0.1	Minimum parameters never met
77nc	C	0.2	Minimum parameters never met
78	C	0.1	Polygon excluded from sort order
79nc	C	0.1	Minimum parameters never met
81nc	C	0.1	Minimum parameters never met
Roadnc	C	3.6	Polygon excluded from sort order
8nca	C	5.0	Minimum parameters never met
59nca	C	5.0	Minimum parameters never met
Roadnca	C	5.0	Polygon excluded from sort order

Total		50.7	
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d) Actual average Harvest with constraints and non harvest years over 250 year planning horizon:

Ownership	Harvest Area (ha)	Conifer (m ³)	Deciduous (m ³)	Total (m ³)	Average (m ³ /yr)
Crown	220.2	666,465	4,201	670,666	2,671
Private	0.0	0	0	0	0
Top-Up	0.0	0	0	0	0
Other	0.0	0	0	0	0
Total	220.2	666,465	4,201	670,666	2,671
Average		2,655	16	2,671	

Hanzlik Rate : 2,180 m³/year

** Net of decay, waste, breakage, VAF and OAFs

e) Age Constraints Not Met During the following Period(s)

All Age constraints have been met.

f) Height Constraints Not Met During the following Period(s)

Height constraints are disabled

5.0 Key Modelling Assumptions

The following procedure was used to arrive at the net areas for use in running Woodlot for Windows. Refer also to MP#4 text sections for additional information:

1. The gross polygon area was calculated from the results of the 1999 woodlot inventory and 2000 adjustments.
2. Polygons have been split in size to 5 ha or less, since it is expected that most cutblocks will be less than 5 ha in any given timber type.
3. Several forest polygons were not harvested (refer to Section 4c above). They include:

Area Not Harvested	Area (ha)	% Not Harvested	Area Excluded from Timber Supply (ha)*
Permanent Wildlife Tree Patches (not in riparian reserves)	17.8	100%	17.8
Permanent Wildlife Tree Patches (in riparian reserves)	12.5	100%	12.5
Riparian Areas (RMZ) Partially Contributing	23.9	50%	12.0
Existing Roads and Buildings	8.6	100%	8.6
Taxol Plantation	0.1	100%	0.1
Total Area Not Harvested	62.9	100%	51.0

* Note: totals may differ due to rounding.

Where a polygon was intersected by a RMZ, 50 % of the polygon area, (representing 50% of the volume) within the RMZ was deducted from the total polygon area. 50 % was used to represent the typical prescription that might be carried out within a RMZ.

4. Roads: Where permanent roads were identified in the inventory and a separate polygon for the road area was created, the entire road polygon was removed, as noted above. A 2% netdown was also applied to cover future permanent roads.
5. Visual Sensitivity Units: Refer to Appendix 7 "Visual Landscape Inventory" for a description of the netdown procedure for visual sensitivity units covering the woodlot. By way of prorating, we have estimated that at least 80% of the woodlot must be older than 15 yrs age (5m tree heights) to provide adequate visual greenup to meet rVQCs. It was determined in consultation with the Chilliwack Forest District that an age constraint should be used, and that the average height of 5m should be used to estimate when the site will reach visual effective greenup status.
6. Site Index Adjustments

Site indices were developed for the future forest conditions based on the following criteria, and as discussed with the Inventory Forester, Chilliwack Forest District:

- Cw leading stands used the SIBEC CWHdm01 SI of 28
- Fd leading stands used the existing stand SI
- Hw leading stands used the conversion equation as per the MoF publication "Site Index Conversion Equations for Mixed Species Stands", by Nigh 1995.

7. Harvest ages have been selected based on meeting the following harvest parameters:

- Minimum Harvest Diameter: 45 cm
- Minimum Harvest Vol/ha : 300 m³/ha
- Minimum Harvest Age : 50 Years
- Must be older than culmination age
- Stands that do not meet these criteria by age 120 yrs will be available for harvest.

8. Harvest priority is based on harvesting stands closest to their harvest age once they reach the minimum harvest parameters.

9. Area summary:

Forest	Contributing to AAC (ha)	Not Contributing to AAC (ha)	Total (ha)
Forest with no reserves	203.1		203.1
Forest with Rotational Wildlife Tree Patches	9.9		9.9
Forest with Wildlife Tree Patches and Riparian Reserves	0.0	30.3	30.3
Forest with Riparian Management Areas that partially contribute to timber supply	23.9		23.9
Existing Roads and Buildings		8.6	8.6
Other Exclusions (Taxol Plantation)		0.1	0.1
Total	236.9	39.0	275.9

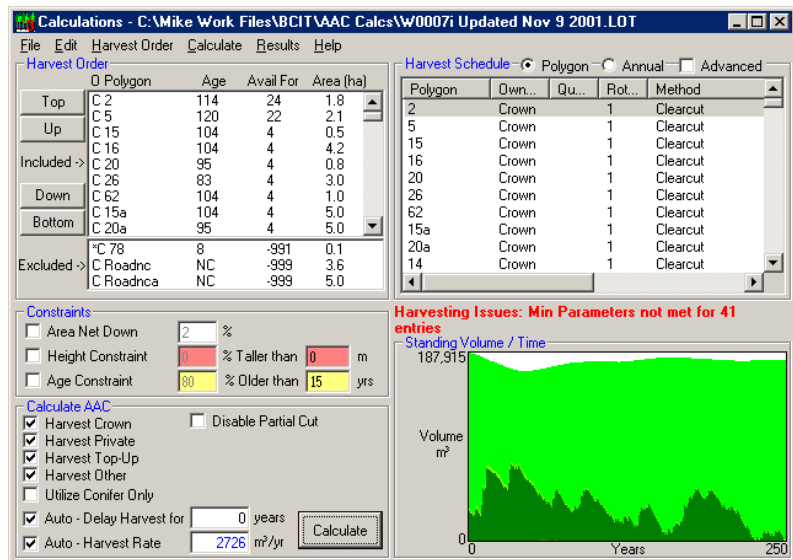
6.0 Discussion of Results

Results of the analysis are shown below.

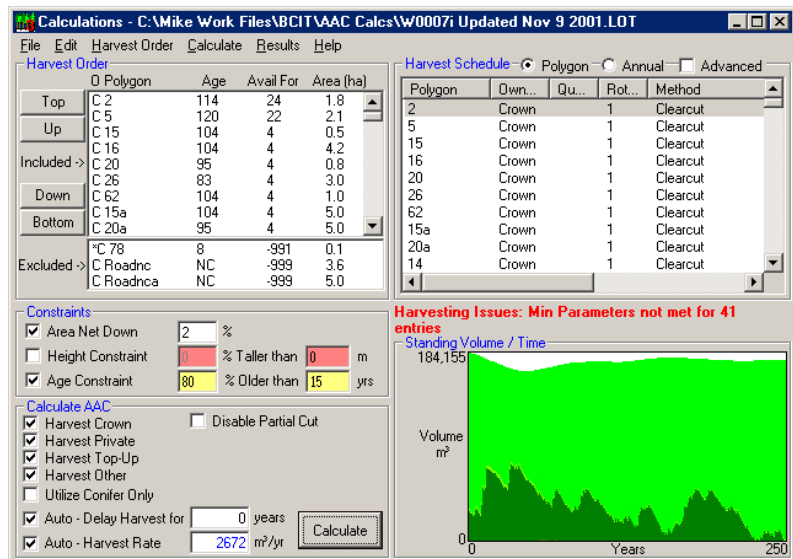
Scenario	Harvest Rate (m3/yr)*
Default order, no harvest constraints	2675
Default order, include visual harvest constraint of 80%>15 yrs & 2% roads netdown	2622
Oldest first, no harvest constraints	2659
Oldest first, include visual harvest constraint of 80%>15 yrs & 2% roads netdown	2610
Highest site index first, no constraints	2730
Highest site index first, include visual harvest constraint of 80%>15 yrs & 2% roads netdown	2691
Closest to harvest age, no harvest constraints	2726
Closest to harvest age, include visual harvest constraint of 80%>15 yrs & 2% roads netdown	2672

* Note: in running each analysis, the run was initialised by first resetting the sort order to Default, then sorting, then excluding 3 polygons for roads and Taxol.

Calculation screen for Closest to Harvest Age, no harvest constraints

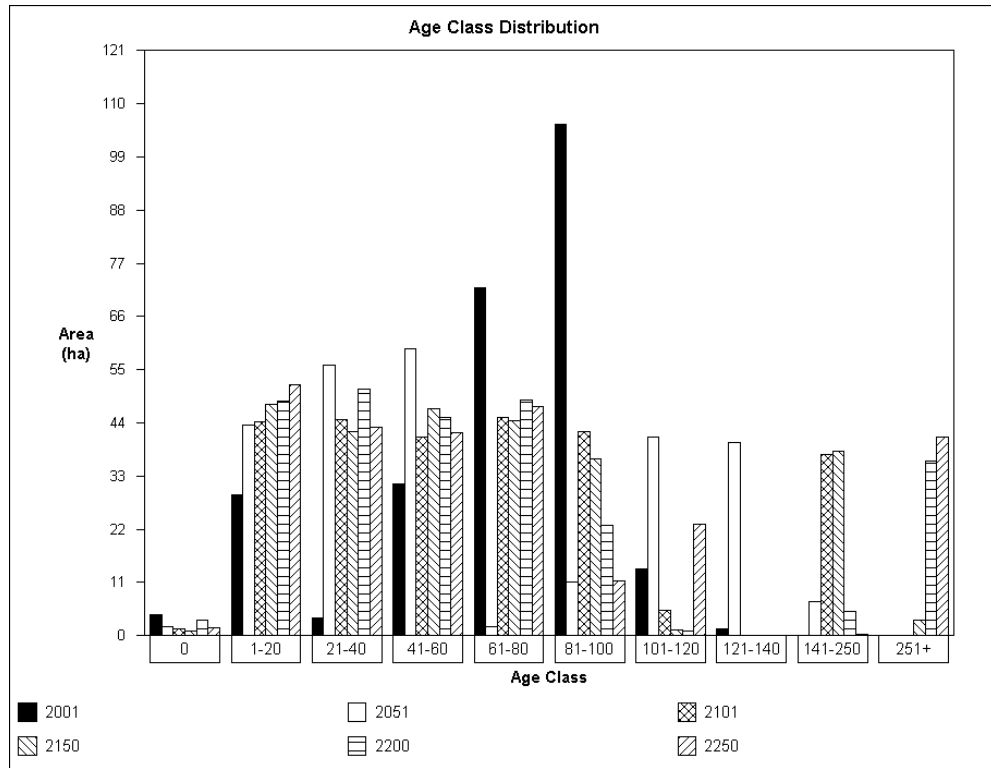


Calculation screen for Closest to Harvest Age, include visual harvest constraint of 80%>15 yrs & 2% road netdown.



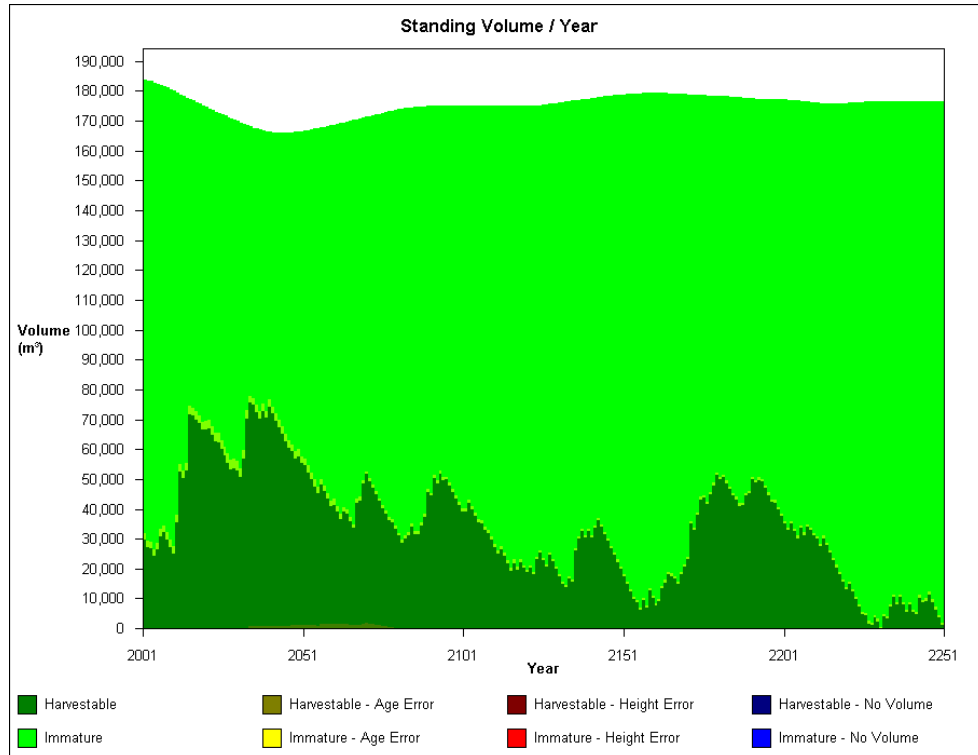
Age Class Distribution:

Closest to Harvest Age, include visual harvest constraint of 80% >15 yrs & 2% road netdown:



Standing timber inventory:

Closest to Harvest Age, include visual harvest constraint of 80% >15 yrs & 2% road netdown:



We have modelled the woodlot with the best information available. However, in doing so, it is recognised that some assumptions may result in upward or downward influences on timber supply. There are a few areas where this occurs, including:

Item	Discussion	Influence on Timber Supply
Impact from visual constraints.	The visual quality constraint assumes that 15 years will be required on average to achieve a 5m VEG state. We believe that VEG can be achieved significantly earlier (less than 10 years), and that cutblocks will generally not be visible from the scenic viewpoints.	Slight underestimation of timber supply.
Impact from partial cutting on lower portion of woodlot to satisfy neighbours needs.	We are unable to determine if any stands will require partial cutting over the long term on the lower portion of the woodlot. We believe that the needs can be accommodated by careful use of commercial thinning and small patch cuts. We will understand the need better prior to the next analysis	Slight overestimation of timber supply.
Rotational Wildlife Tree Patches	A review of the WOODLOT runs show that for the Closest to Harvest Age run, with constraints, that generally 25-50% of the woodlot will always have trees older than 80 yrs age. For biodiversity, the target is to maintain 18% in representative types. This implies that the 9.9 ha of rotational WTPs can be accommodated without impacting on timber supplies.	No impact

We believe that for now it is acceptable to assume that these two factors together will offset each other, however, we are prepared to wait further study prior to developing more detailed analysis.

5.0 Conclusions

In view of the above, an **AAC is recommended at 2600 m³/yr**, which will be conservatively sustainable over a 250 year planning horizon.

6.0 Report Abbreviations

Term	Definition
%	Species Composition Percent
[]	Default Variable
(s/ha)	Stems/ha
Available for	Number of years the polygon has been ready to harvest
CC	Clearcut
CT	Commercial Thin
Dens	Initial Density (stems/ha)
FIZ	Forest Inventory Zone
Harvest Area (ha)	Area reduced by the area netdown.
MAI	Mean Annual Increment (m ³ /ha/yr)
Mgmt Type	Management Type (VDYP / TIPSYP / NC / NSR)
NC	Non Commercial
NSR	Non Satisfactory Regeneration
PC	Partial Cut
PC%	Partial Cut percent to harvest
PC1	First Partial Cut
PSYU	Public Sustained Yield Unit
Queue	Reason for harvest (CC, PC1, Sub PC, CT, Road, NSR, NC)
Reentry	Number of years to wait before re-entering a partial cut
Regen	Regeneration Type (Natural / Planted)
Road	Road net down
S1-S6	Species Codes 1 to 6
SI	Site Index
Silv Sys	Silviculture System (CC, PC)
Stk Cls	Stocking Class (0 to 4 or R)
Sub PC	Subsequent Partial Cut
Target Age	Target harvest age. The actual harvest age will depend on the time the simulation harvests the polygon. See section 4(b) for actual harvest ages.
Thin	Pre-commercial thin to density (stems/ha)
TIPSYP	Table Interpolation Program for Stand Yields
VAF	Volume Adjustment Factor
VDYP	Variable Density Yield Projection

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