Run 5

In this run the model was forced to harvest certain blocks, (pre-blocks). These stands were chosen to ensure that the spatial harvest sequence met the non-timber goals developed by the Planning Team. This run was completed in order to see what the impact of forcing the model to harvest these pre-blocks would be on the AAC. The secondary flow modulation remained in affect in this run. The resultant spatial harvest sequence was used as the first draft of the PFMS. The results were reviewed by the Planning Team and deemed to be unacceptable as a PFMS.

TABLE 18.14: SUMMARY OF RUN 5 OBJECTIVES, CONSTRAINTS AND RESULTS.

Forest Management Strategy #	Landbase Strategy	Yield Curve Transition	Primary Species	Flow Constraint	Planning Horizon	Target Harvest Age	Minimum Harvest Age	Planned Blocks Sequenced	Adjacency	Adjacency Horizon	Green Up Period	Accum. Block Area (ha)	Conifer AAC	Deciduous AAC
5	Single	Status Quo	Conifer	Even Flow	160	80	70-Conifer 50-Deciduous	Applied	Off	N/A	N/A	N/A	6,398 (20 yr Avg.)	4,378 (20yr Avg.)

TABLE 18.15: RUN 5 – ANNUAL HARVEST FLOW SUMMARY.

Period	Coniferous Volume	Deciduous Volume
5	6391	1627
10	6423	1579
15	6343	6988
20	6433	7316
25	6312	4703
30	6501	2378
35	6336	1921
40	6436	1632
45	6307	1859
50	6366	8813
55	6326	7998
60	6307	2772
65	6335	5291
70	6345	9608
75	6301	4041
80	6348	2860
85	6401	4946
90	6493	1844
95	6358	1563
100	6321	7001
105	6307	7017
110	6350	4795
115	6337	2571
120	6309	2205
125	6374	1553
130	6313	3989
135	6336	8643
140	6315	4827
145	6359	4079
150	6318	10657
155	6375	3909
160	6467	2656
20 Year Average	6398	4378
160 Year Average	6361	4489

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TABLE 18.10: RUN 5 – ANNUAL HARVEST FLOW SUMMARY.

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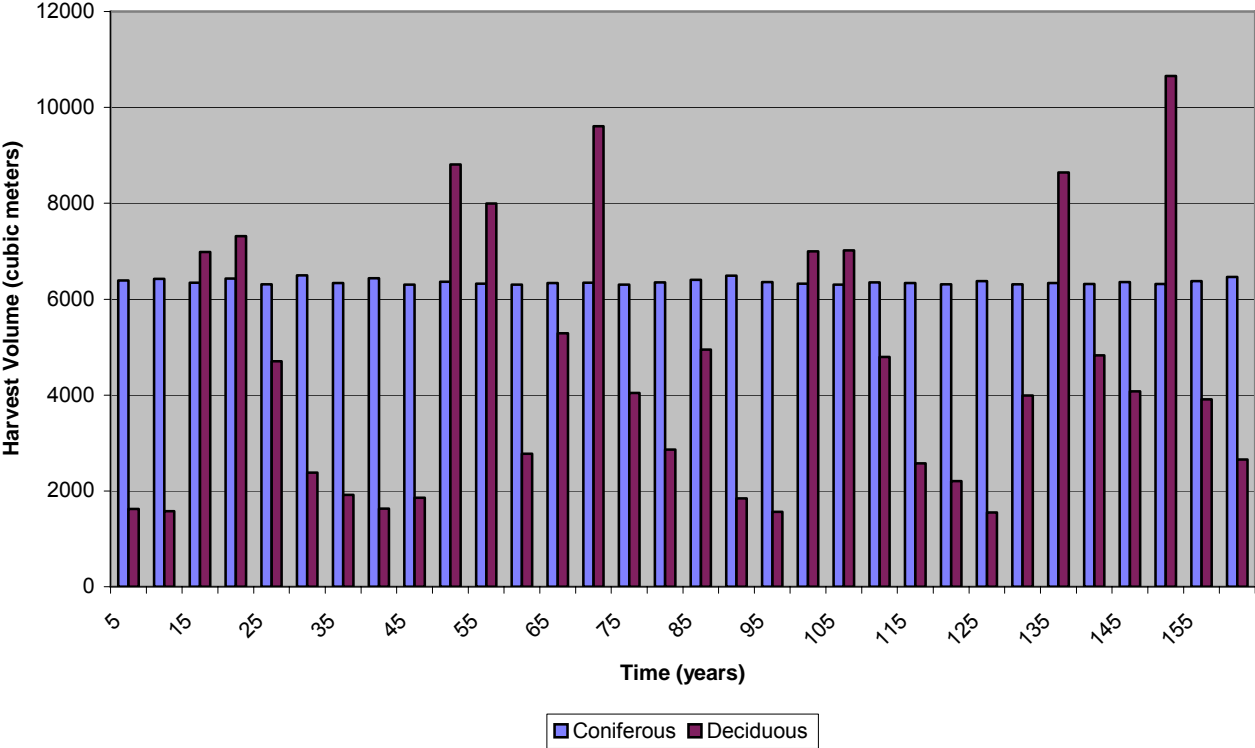
TABLE 18.16: RUN 5 – AVERAGE HARVEST AGE SUMMARY

Period	Average Harvest Age
5	117
10	108
15	94
20	96
25	147
30	140
35	133
40	128
45	133
50	137
55	133
60	131
65	133
70	138
75	135
80	105
85	83
90	86
95	86
100	86
105	87
110	86
115	86
120	86
125	85
130	85
135	86
140	86
145	84
150	84
155	82
160	82

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TABLE 18.11: RUN 5 – AVERAGE HARVEST AGE SUMMARY
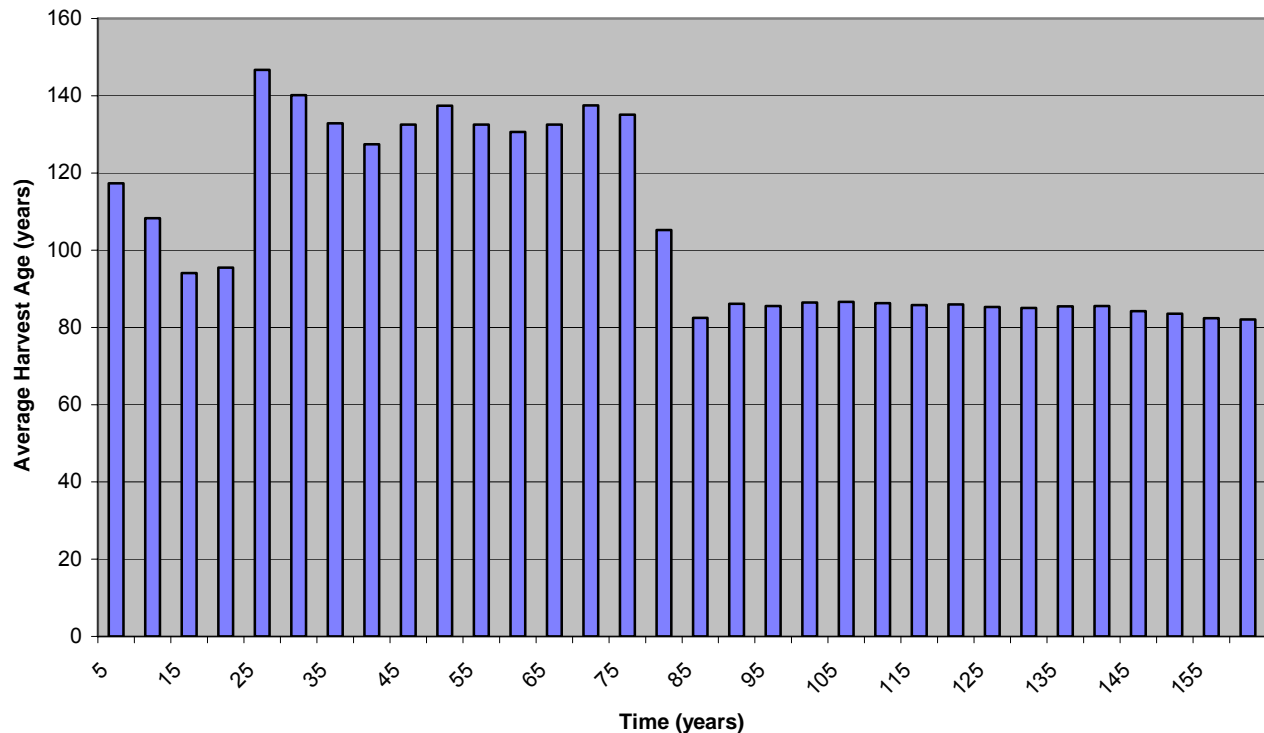
TABLE 18.17: RUN 5 – GROWTH CAPACITY AT 160 YEARS.

Age	Area (ha)	Growth Capacity Total	Annual Growth Capacity
5	248	32496.7	6499.34
10	317.3	31955	6391
15	567.8	31227.6	6245.52
20	345.3	31389	6277.8
25	358.2	30922.4	6184.48
30	473.2	30824.5	6164.9
35	320.3	31147.1	6229.42
40	209.8	31210.9	6242.18
45	209.5	31123.9	6224.78
50	215.1	30999.7	6199.94
55	308.1	30960.8	6192.16
60	398.8	30550.2	6110.04
65	411.1	30644.8	6128.96
70	218.6	31110.9	6222.18
75	187.2	31688.3	6337.66
80	310.7	28447.2	5689.44
Total	5099	496699	99339.8

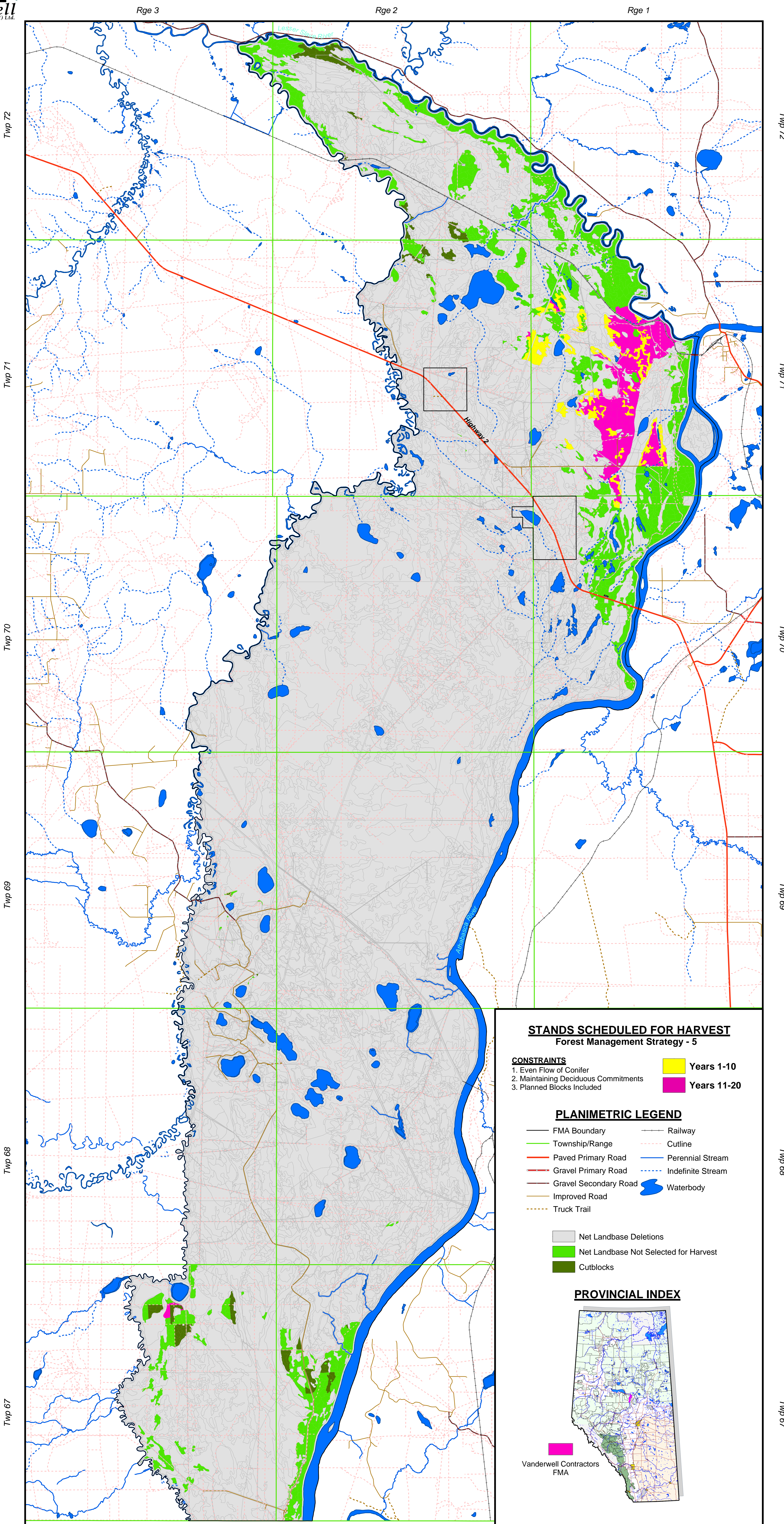# FIGURE 18.12: RUN 5 – POST HARVEST FOREST CONDITIONS[1] AT 160 YEARS IN FUTURE.

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[1] Projected structure of the net landbase after 160 years. The age class distribution (bars) and harvest age volume (growth capacity – line symbol) associated with each age class are presented.

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20 YEAR HARVEST SEQUENCE
Within the Vanderwell FMA

N

Rge 3   *Rge 2*   *Rge 1*

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Twp 72   *Twp 72*

Twp 71   *Twp 71*

Highway 2

Twp 70   *Twp 70*

Twp 69   *Twp 69*

Twp 68   *Twp 68*

Twp 67   *Twp 67*

Rge 3   *Rge 2*   *Rge 1*

STANDS SCHEDULED FOR HARVEST
Forest Management Strategy - 5

CONSTRAINTS
1. Even Flow of Conifer
2. Maintaining Deciduous Commitments
3. Planned Blocks Included

☐ **Years 1-10**
☐ **Years 11-20**

PLANIMETRIC LEGEND

FMA Boundary	Railway
Township/Range	Cutline
Paved Primary Road	Perennial Stream
Gravel Primary Road	Indefinite Stream
Gravel Secondary Road	Waterbody
Improved Road	
Truck Trail	

☐ Net Landbase Deletions
☐ Net Landbase Not Selected for Harvest
☐ Cutblocks

PROVINCIAL INDEX

Vanderwell Contractors
FMA

0   5   10
KILOMETRES

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Map Version 1.0
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