

## Run 4

This run again is similar to run 1 with the difference being that the flow of the secondary species (deciduous) was modulated. A constraint was applied to ensure the deciduous flow did not fall below 1000 cubic meters per year at any time. This was done in order to ensure the minimum deciduous flow was available to maintain the volume required to allow the government to issue short term timber dispositions as per section 8(2)(c) of the Vanderwell Forest Management Agreement.

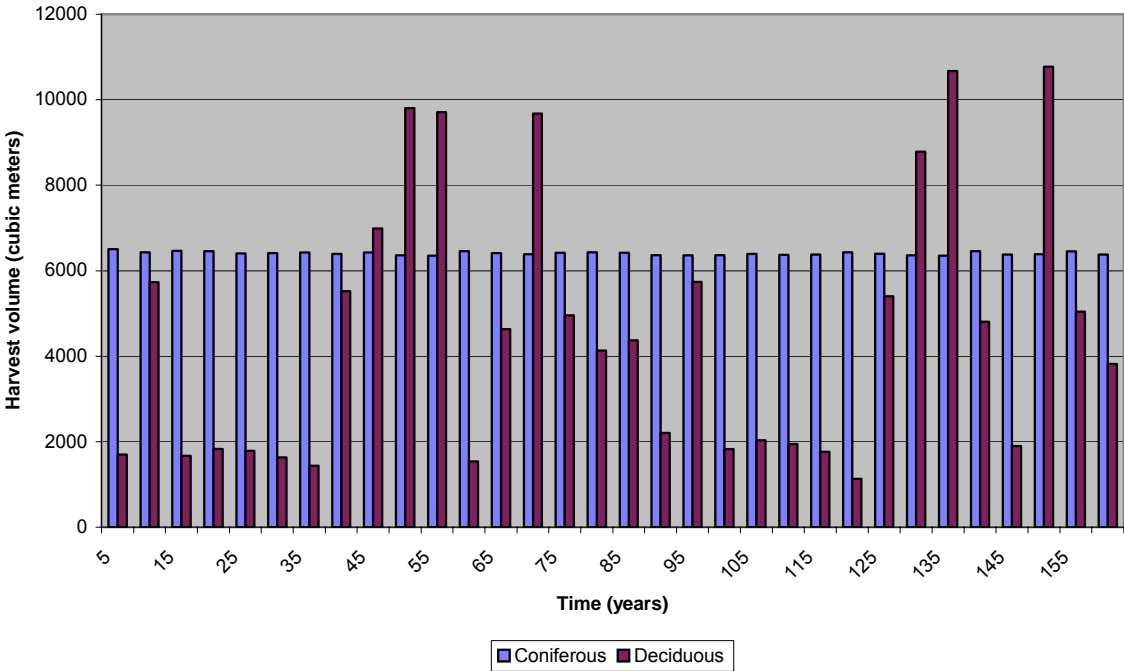
**TABLE 18.10: SUMMARY OF RUN 4 OBJECTIVES, CONSTRAINTS AND RESULTS.**

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
4	Single	Status Quo	Conifer	Even Flow	160	80	70-Conifer 50- Deciduous	N/A	Off	N/A	N/A	N/A	6,466 (20 yr Avg.)	2,732 (20yr Avg.)

**TABLE 18.11: RUN 4 – ANNUAL HARVEST FLOW SUMMARY**

Period	Coniferous Deciduous	
	Volume	Volume
5	6506	1699
10	6430	5729
15	6468	1671
20	6460	1831
25	6404	1783
30	6411	1634
35	6421	1437
40	6393	5520
45	6423	6989
50	6354	9804
55	6350	9707
60	6457	1536
65	6409	4634
70	6387	9671
75	6419	4953
80	6431	4129
85	6418	4370
90	6365	2208
95	6355	5735
100	6362	1826
105	6390	2033
110	6369	1942
115	6381	1764
120	6431	1129
125	6395	5401
130	6356	8785
135	6352	10672
140	6456	4809
145	6376	1896
150	6388	10771
155	6450	5038
160	6380	3818
20 year average	6466	2732
160 year average	6405	4529

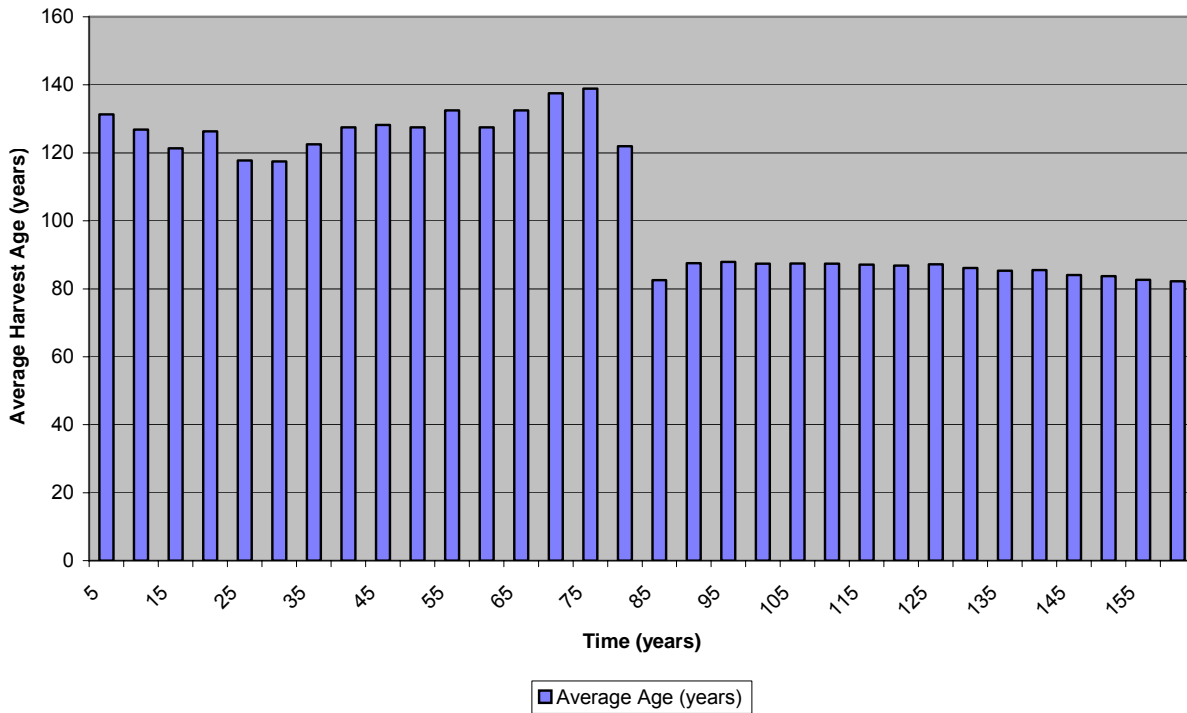
**FIGURE 18.7: RUN 4 – ANNUAL HARVEST FLOW SUMMARY**



**TABLE 18.12: RUN 4 – AVERAGE HARVEST AGE SUMMARY**

<b>Period</b>	<b>Average Harvest Age</b>
5	131
10	127
15	121
20	126
25	118
30	118
35	123
40	128
45	128
50	128
55	133
60	128
65	133
70	138
75	139
80	122
85	83
90	88
95	88
100	87
105	87
110	87
115	87
120	87
125	87
130	86
135	85
140	85
145	84
150	84
155	83
160	82

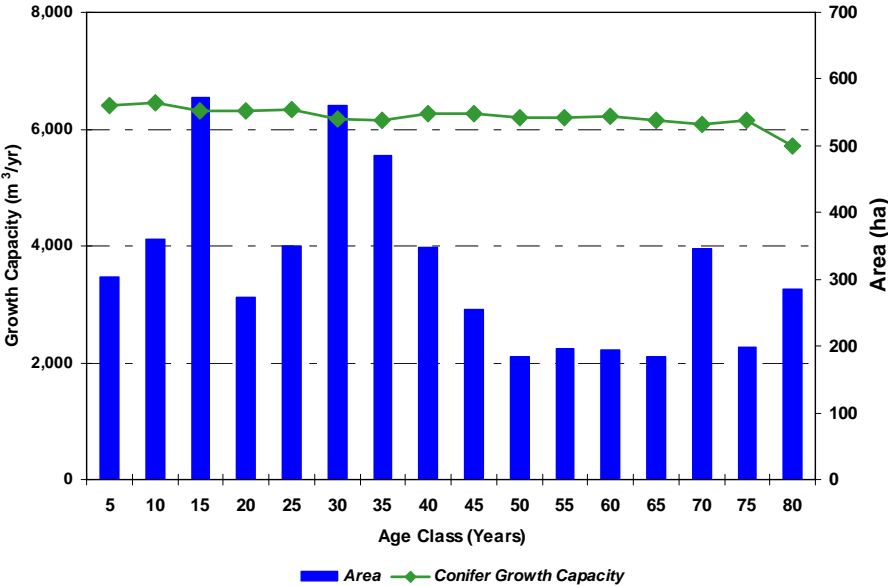
**FIGURE 18.8: RUN 4 – AVERAGE HARVEST AGE SUMMARY**



**TABLE 18.13: RUN 4 – GROWTH CAPACITY AT 160 YEARS.**

Age	Area (ha)	Growth Capacity Total	Annual Growth Capacity
5	303.9	32060.8	6412.16
10	360.8	32304.4	6460.88
15	573	31514.2	6302.84
20	273.9	31554.3	6310.86
25	350.5	31651.6	6330.32
30	560.2	30810.3	6162.06
35	485.8	30785.2	6157.04
40	348.5	31306.9	6261.38
45	254.7	31296.2	6259.24
50	183.4	30930.6	6186.12
55	196.5	30956	6191.2
60	194.5	31046.3	6209.26
65	183.3	30782.8	6156.56
70	345.3	30457.9	6091.58
75	199.1	30740.5	6148.1
80	285.6	28501.1	5700.22
<b>Total</b>	<b>5099</b>	<b>496699.1</b>	<b>99339.82</b>

**FIGURE 18.9: RUN 4 – POST HARVEST FOREST CONDITIONS<sup>1</sup> AT 160 YEARS IN FUTURE.**



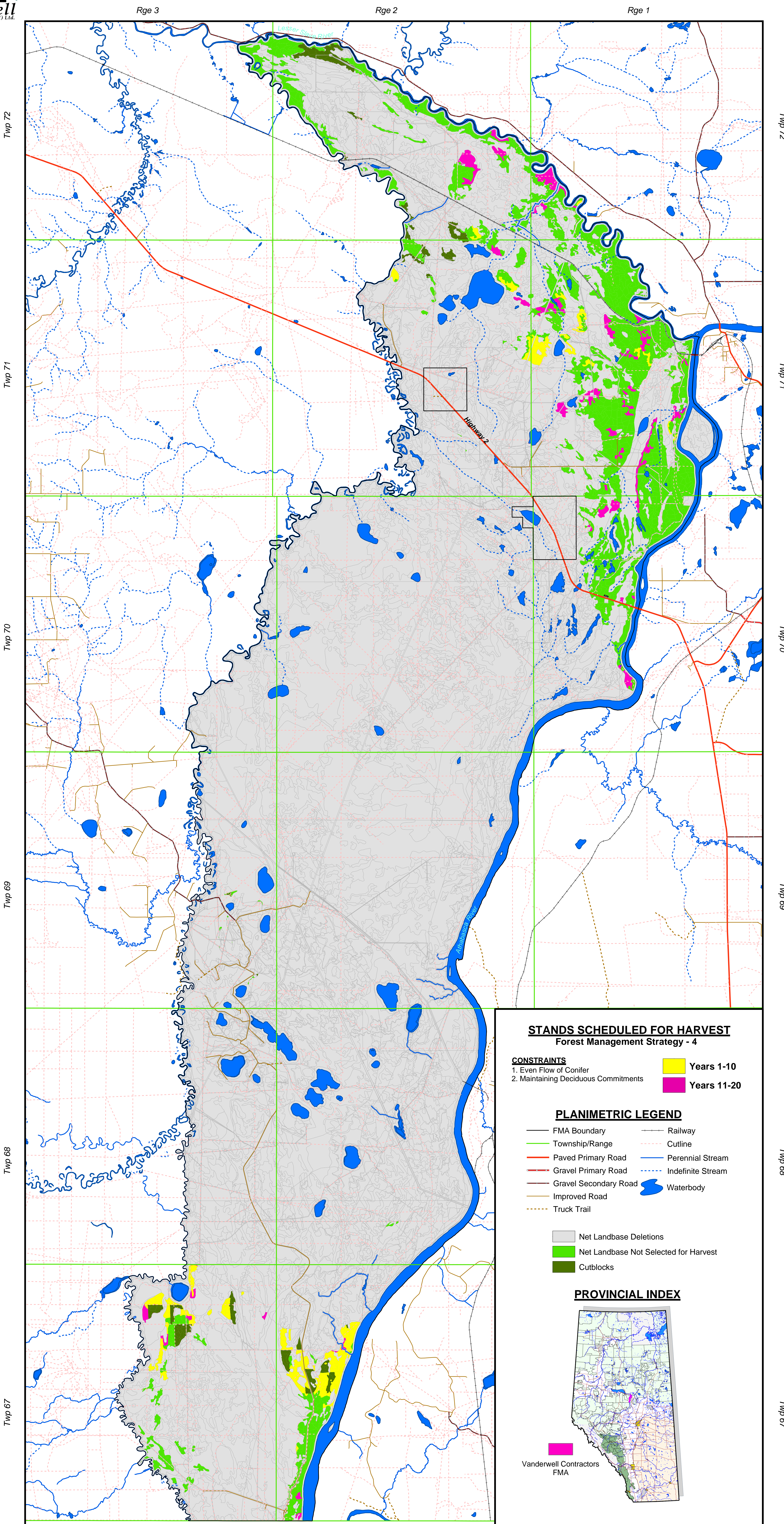
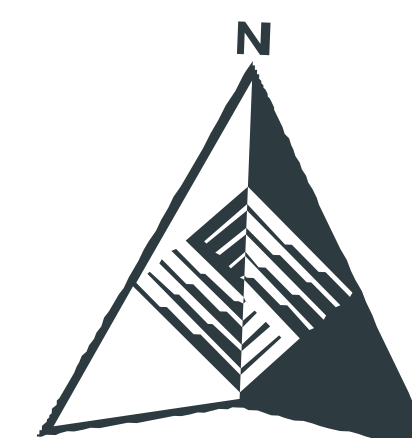
<sup>1</sup> Projected structure of the net landbase after 160 years. The age class distribution (bars) and harvest age volume (growth capacity – line symbol) associated with each age class are presented.





# 20 YEAR HARVEST SEQUENCE

## Within the Vanderwell FMA



### STANDS SCHEDULED FOR HARVEST

Forest Management Strategy - 4

#### CONSTRAINTS

1. Even Flow of Conifer
2. Maintaining Deciduous Commitments

- Years 1-10
- Years 11-20

#### PLANIMETRIC LEGEND

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

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

#### PROVINCIAL INDEX

