

## APPENDIX 3 LAND BASE CLASSIFICATION

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# Mountain Pine Beetle Action Plan Land Base Update

March 17, 2009

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## 1 INTRODUCTION

This document details the information and processes used to update the approved 2002 land base with recent disturbances. Also the yield relationships that will be used in the timber supply analysis are described.

Inventory updates were not completed for the MPB strategy. The AVI inventory used is currently approved under the 2002 FMP.

## 2 BACKGROUND

### 2.1 Land Base Classification

Since the approval of the Forest Management Plan (FMP) in 2002, Slave Lake Pulp and other embedded operators have completed an update to the land base classification and redefined the AAC land base to be used in the MPB strategy. A revision to the land base has been completed as newer information has become available. The AAC contributing land base has been increased by 0.74% from 435,379 ha to 438,593 ha. A land base designation of one land base is used as defined in the 2002 FMP. Table 6 and Table 7 provide summary comparisons.

Updates to the land base since 2002 include the following information sources:

- Mountain Pine Beetle Susceptibility Rank
- Harvest information since the FMP approval
- Land Use information
- Fire Information
- Grizzly Bear management units
- Swans Hills Buffer

The following provides the detail in how the update information is incorporated into the revised land base. Table 1 provides information for the layers used.

The land base classification will be completed for the Forest Management Unit S20.

*Table 1 Update Layer Information*

Coverage	Reference Date	Scale of Accuracy	Projection	Datum	Zunits	Units	Spheriod	Source
Harvested Blocks	15-Nov-08	1:5,000	UTM 11	NAD83	No	Meters	GRS1980	Slave Lake Pulp, Millar Western, Vanderwell, Buchanan
Planned Blocks	12-Feb-09	1:5,000	UTM 11	NAD83	No	Meters	GRS1980	Slave Lake Pulp, Millar Western, Vanderwell
Fires	1-May-08	1:5,000	UTM 11	NAD83	No	Meters	GRS1980	Sustainable Resource Development
LandUse	11-Nov-08	1:5,000	UTM 11	NAD83	No	Meters	GRS1980	Slave Lake Pulp
Swan Hills Buffer	11-Nov-08	1:1	UTM 11	NAD83	No	Meters	GRS1980	Slave Lake Pulp
Grizzly Bear Habitat Zones	23-Sep-08	1:20000	UTM 11	NAD83	No	Meters	GRS1980	Sustainable Resource Development

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### 2.1.1 MOUNTAIN PINE BEETLE

Section 7 of the Interpretive Bulletin *Planning Mountain Pine Beetle Response Operations* states that it is Alberta's goal to alter the current age-class structure of susceptible pine forests thereby increasing their resistance to Mountain Pine Beetle (MPB). The initiative requires that Forest Management Plans (FMP) be amended to address the MPB issue. Further, the directive indicates two key targets:

The new or amended Pine Strategy FMPs must be completed by May 1, 2009.

The goal is to reduce the area of susceptible pine in the Rank 1 and Rank 2 categories to 25% of that projected in the currently approved FMP at a point twenty years into the future.

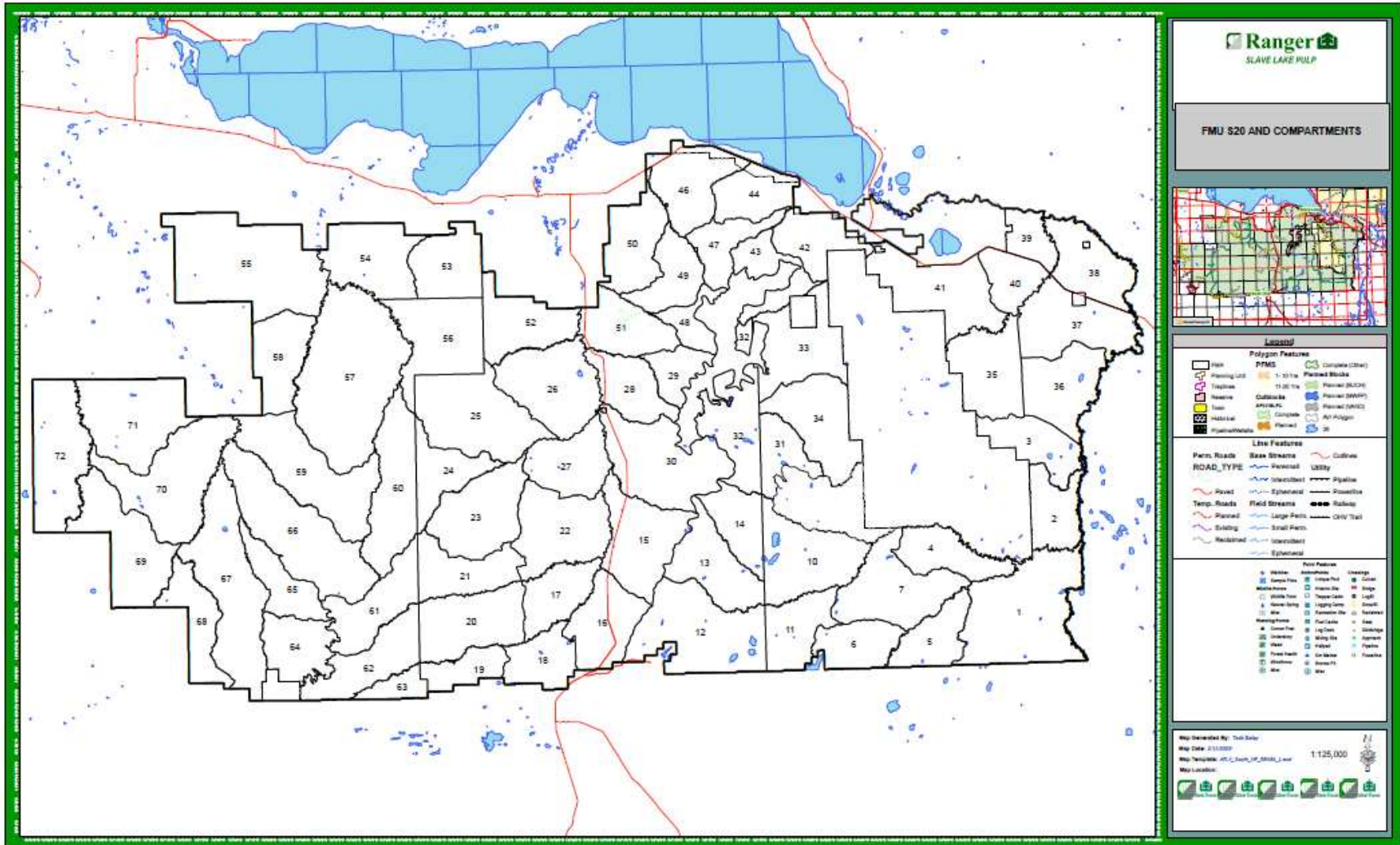
While attempting to form an operational plan from the current ASRD susceptibility model and the resulting Rank 1 and Rank 2 identified stands, it was discovered that the model was selecting stands that contained very little pine. As a result an alternative system to prioritize stands for harvest was selected. The following priority ranking system will be incorporated into the TSA.

- Priority 1  $\geq$  70% pine
- Priority 2 40%-60% pine
- Priority 3  $\leq$  30% pine
- Priority 4 no pine

Although an alternative priority ranking system will be used to select stands within the TSA and resulting SHS, a summary of ASRD ranking system will be included in the final FMP amendment document. An additional comparison of baseline, Preferred Forest Management Strategy (PFMS) and ASRD's 75% reduction of Rank 1 and 2 strategy will be included.

The S20 FMU is currently at the leading edge of the MPB infestation in the province and has a significant proportion of its productive forest in susceptible pine Rank 1 and Rank 2 stands.

Figure 1 FMU S20 and Compartments



## 2.1.2 HARVEST INFORMATION

Two coverages are created to contain harvest information and are used to update the land base. These include historical harvests from 2002 to 2008 and areas to be harvested in the first period of the SHS.

Harvest information since the FMP approval was collected for all operators. This includes Slave Lake Pulp Corporation (SLPC), Millar Western Industries (WEST), Buchanan Lumber (BUCH), Vanderwell (VAND) and SRD – MTU Program (MTU).

One layer of this information was created to facilitate the land base update. In creation of this layer it was noted that some blocks from different operators overlapped each other.

To ensure that only one opening number/operator was assigned to each block the following decision rules were adopted for the overlaps. In all cases blocks overlapped with SLPC's. No cases were found where other operators overlapped with each other.

If SLPC's opening number is not missing then the operator is assigned as 'SLPC', SLPC's harvest year and Regeneration Standard are assigned to the overlap area.

If MW and SLPC Blocks overlap and MW's Harvest Year is greater than SLPC's harvest year then the operator is assigned 'WEST' and MW's Harvest Year and Regeneration Standard are applied to the overlap area, otherwise the operator is assigned 'SLPC' and SLPC's harvest year and declaration are assigned to the block.

If VAND and SLPC Blocks overlap and VAND's Harvest Year is greater than SLP's harvest year then the operator is assigned 'VAND' and VAND's Harvest Year and Regeneration Standard are applied to the overlap area, otherwise the operator is assigned 'SLP' and SLP's harvest year and declaration are assigned to the block

If BUCH and SLPC Blocks overlap and BUCH's Harvest Year is greater than SLP's harvest year then the operator is assigned 'BUCH' and BUCH's Harvest Year and Regeneration Standard are applied to the overlap area, otherwise the operator is assigned 'SLPC' and SLP's harvest year and declaration are assigned to the block

If MTU and SLPC Blocks overlap and MTU's Harvest Year is greater than SLPC's harvest year then the operator is assigned 'MTU' and MTU's Harvest Year and Regeneration Standard are applied to the overlap area, otherwise the operator is assigned 'SLPC' and SLPC's harvest year and declaration are assigned to the block

There are 150.5 ha of overlap area of the total of 45,855 ha of harvested blocks (0.32%). Appendix 2 provides a detailed summary of the changes applied.

ARIS block declarations have been assigned to each harvested block. In some cases where the declarations have changed because of the block overlaps, the yield curve reference has also changed.

Table 2 provides the default yield class assignments.

Ages were set to 2008 less the assigned harvest year.

Original land base codes were maintained.

MPB Ranks are set to 0

A land base code of 208 is used to designate the harvested blocks that contribute to the active land base.

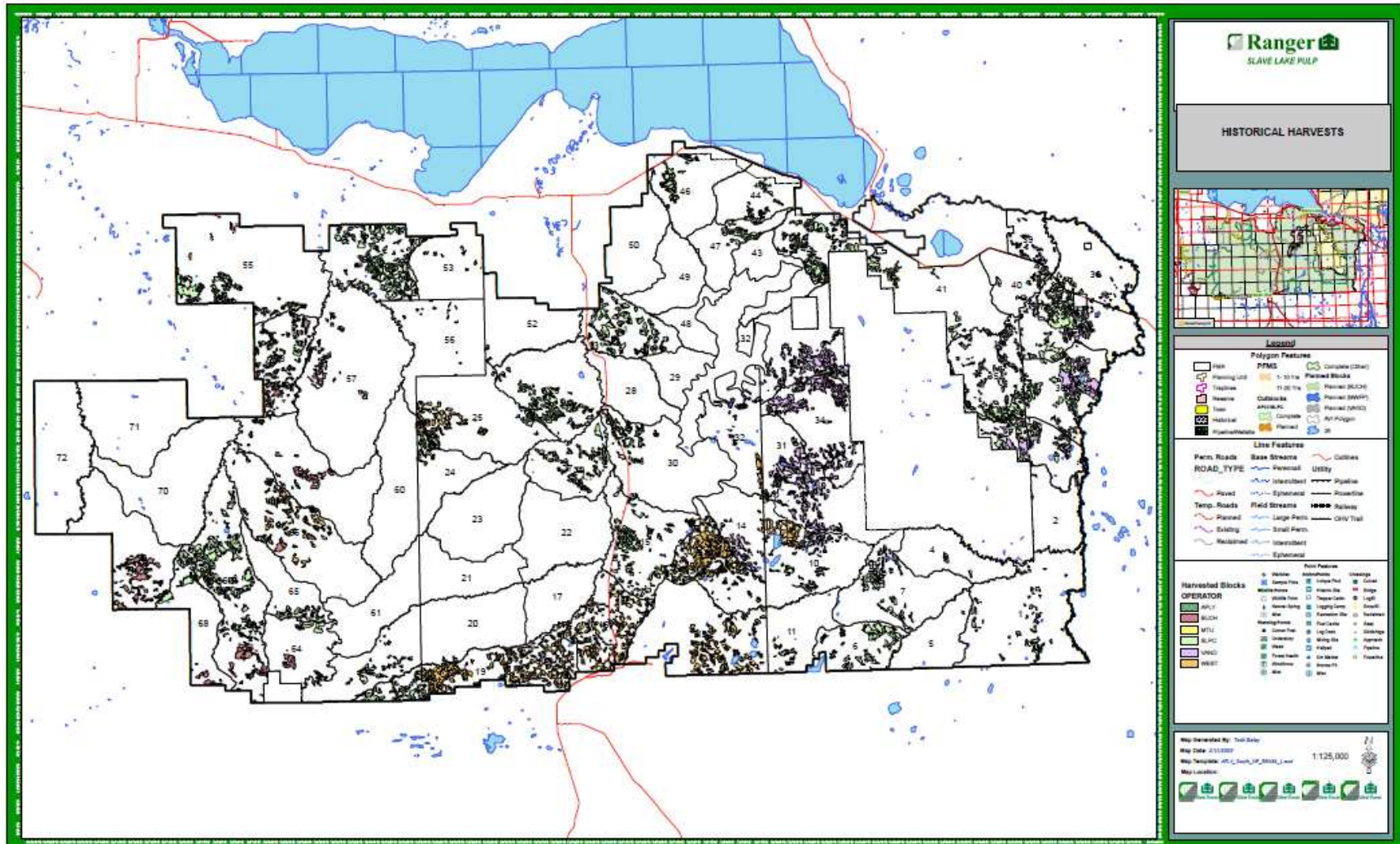
Transitional yields curves are assumed for the harvested blocks as per the 2002 FMP.

*Table 2 Default Yield Class by Regeneration Declaration*

Declaration	Natural Subregion	Yield Class	Strata
C-2000	Central Mixedwood	104	C-SW-MX-FS
C-2000	Dry Mixedwood	104	C-SW-MX-FS
C-2000	Lower Foothills	104	C-SW-MX-FS
C-2000	Mixedgrass	104	C-SW-MX-FS
C-2000	Upper Foothills	101	C-SW-10-FS
C-2000	Wetland Mixedwood	104	C-SW-MX-FS
CD-2000	Central Mixedwood	8	CD-CD
CD-2000	Dry Mixedwood	8	CD-CD
CD-2000	Lower Foothills	8	CD-CD
CD-2000	Mixedgrass	8	CD-CD
CD-2000	Upper Foothills	8	CD-CD
CD-2000	Wetland Mixedwood	8	CD-CD
CONF	Central Mixedwood	104	C-SW-MX-FS
CONF	Dry Mixedwood	104	C-SW-MX-FS
CONF	Lower Foothills	104	C-SW-MX-FS
CONF	Mixedgrass	104	C-SW-MX-FS
CONF	Upper Foothills	101	C-SW-10-FS
CONF	Wetland Mixedwood	104	C-SW-MX-FS
D-2000	Central Mixedwood	12	D-CD
D-2000	Dry Mixedwood	12	D-CD
D-2000	Lower Foothills	12	D-CD
D-2000	Mixedgrass	12	D-CD
D-2000	Upper Foothills	12	D-CD
D-2000	Wetland Mixedwood	12	D-CD
DC-2000	Central Mixedwood	10	DC-CD
DC-2000	Dry Mixedwood	10	DC-CD
DC-2000	Lower Foothills	10	DC-CD
DC-2000	Mixedgrass	10	DC-CD
DC-2000	Upper Foothills	10	DC-CD
DC-2000	Wetland Mixedwood	10	DC-CD
DECD	Central Mixedwood	12	D-CD
DECD	Dry Mixedwood	12	D-CD
DECD	Lower Foothills	12	D-CD
DECD	Mixedgrass	12	D-CD
DECD	Upper Foothills	12	D-CD
DECD	Wetland Mixedwood	12	D-CD
PRE91	Central Mixedwood	104	C-SW-MX-FS
PRE91	Dry Mixedwood	104	C-SW-MX-FS
PRE91	Lower Foothills	104	C-SW-MX-FS
PRE91	Mixedgrass	104	C-SW-MX-FS
PRE91	Upper Foothills	101	C-SW-10-FS
PRE91	Wetland Mixedwood	104	C-SW-MX-FS



Figure 2 Historical Harvests



#### 2.1.2.1 Harvested Blocks with Silviculture Liability Waived

Fire salvage operations have taken place within the S20 FMU since the submission of the 2002 FMP. Silviculture liabilities have been waived for these blocks. Therefore, this land base is classified as passive. Appendix 3 provides a list of blocks and operators. A land base code of 211 is assigned to this classification.

#### 2.1.2.2 Planned Harvests

Planned harvest areas were obtained from Slave Lake Pulp Corporation, Alberta Plywood Ltd, Millar Western Forest Products Ltd, Vanderwell Contractors (1971) Ltd and Buchanan Lumber. Land base classifications are reassigned to active unless the original and updated land base classification are for land use, and the block liability has not been waived. A land base code of 210 is assigned to designate blocks within the active land base, and a land base code of 209 is assigned to designate those portions of the planned blocks that were previously assigned to the passive land base, but are now assigned to the active land base.

Some portions of planned blocks are not assigned a yield class in the 2002 land base classification. In these instances the dominant yield class of the planned block is assigned.

Some portions of the blocks have an age that is less than the minimum harvest age. In these instances:

- The age is set to 50 if the dominant yield class has a pure deciduous cover group
- The age is set to 70 if the dominant yield class has a pure coniferous, coniferous/deciduous or deciduous/coniferous cover group.

74 ha and 208 ha of a total of 10,533 ha have a yield class and an age re-classification, respectively. Appendix 4 provides a detailed summary by block.





### 2.1.3 LAND USE INFORMATION

The land use layer provided does not allow the ability to differentiate whether a disposition is planned or as-built. Within the S20 FMU, this area amounts to approximately 1,500 ha. The inability to define these dispositions as such will not allow for development of an accurate spatial harvest sequence. Therefore, no deletions for land use were completed.

### 2.1.4 NON-SALVAGEABLE BURNS (AFTER 2002)

An updated fire layer was provided by ASRD (Website). Fires are selected if the burn Fire Year > 2002 and BurnCode <> 'I'. Table 3 provides a list of the fires. The ages were recalculated as 2008 less the fire year. Yield class assignments remain unchanged and the land base code is set to 108. The MPB rank is set to 0.

*Table 3 Update Fires*

<u>Fire Number</u>	<u>Year</u>	<u>FireSize</u>
SWF-076-2007	2007	1.5
SWF-114-2003	2003	9.3
SWF-130-2003	2003	4.0
SWF-151-2006	2006	1,786.0

### 2.1.5 GRIZZLY BEAR UNITS AND SWAN HILLS SPHERE OF INTEREST INFORMATION

The Land base classification includes a designation to the current Grizzly Bear Management unit and the area within the 35km of the town site of Swan Hills.

### 2.1.6 OTHER LAND BASE CLASSIFICATIONS

Criteria are applied to stands to account for other land base reporting. These are not applied to harvested areas. Each classification is assigned a code to facilitate reporting.

YC\_SP = SB and SP1 = SB and Height <= 14 (land base code 201)

YC\_SP = SB and SP1 = SB and Crown = A (land base code 202)

YC\_SP = SB and SP1 = SB and LT in Overstory (land base code 203)

SP1 = SB and Crown = A (land base code 204)

SP1 = SB and LT >= 20% (land base code 205)

SP1 = LT (land base code 206)

A Density <= 14m Understory (land base code 207)

Table 4 provides the order in which the land base code assignments are made.

*Table 4 Land base Code Assignment Hierarchy*

<b>Step</b>	<b>Criteria</b>	<b>Land Base Code Assigned</b>	
1	Fire Deletions	If the area was burned after 2001	108
2	Update Harvest Information	If the area was harvested after 2001, the area was not burned after 2001, Silviculture Liability assumed and the previous Land base code did not designate as an Excluded disposition.	208
3	Update Block Liabilities	If the area was harvested after 2001, the area was not burned after 2001, Silviculture Liability is not assumed and the 2002 Land base code did not designate as an Excluded disposition.	211
4	Update other land base classifications	If the polygon is designated as Passive area in the 2002 land base classification and the polygon was not deleted for fire or waived silviculture liability and was not assigned to a harvest block or a planned block.	201,202,203,204,205,206,207
5	Identify Planned Blocks	If the polygon was part of the provided planned block layer and the 2002 land base code is not designated as an excluded disposition	210
6	Identify Previous Passive areas within Planned Blocks	If the polygon is a planned block and the	209

Figure 4 Fires

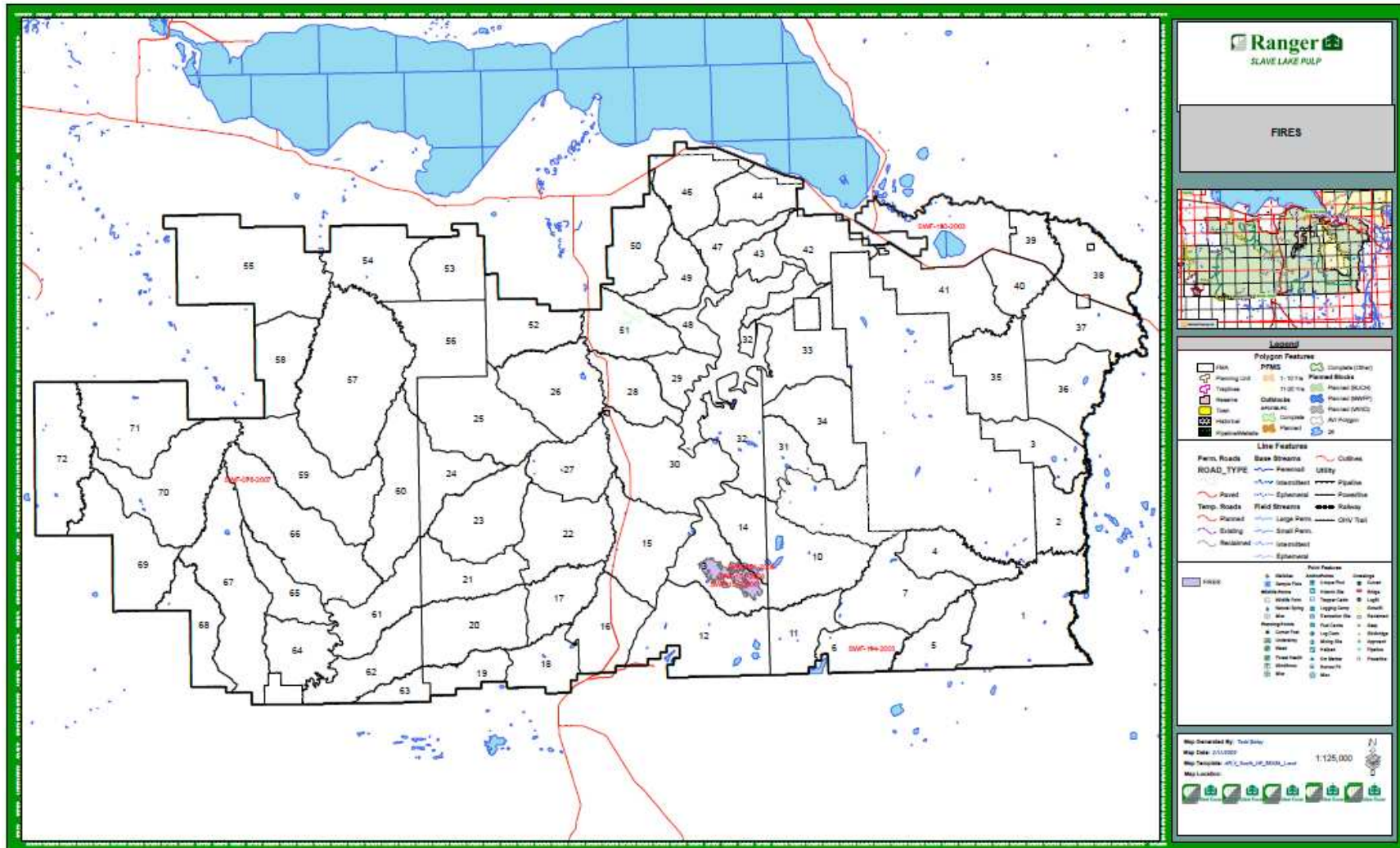
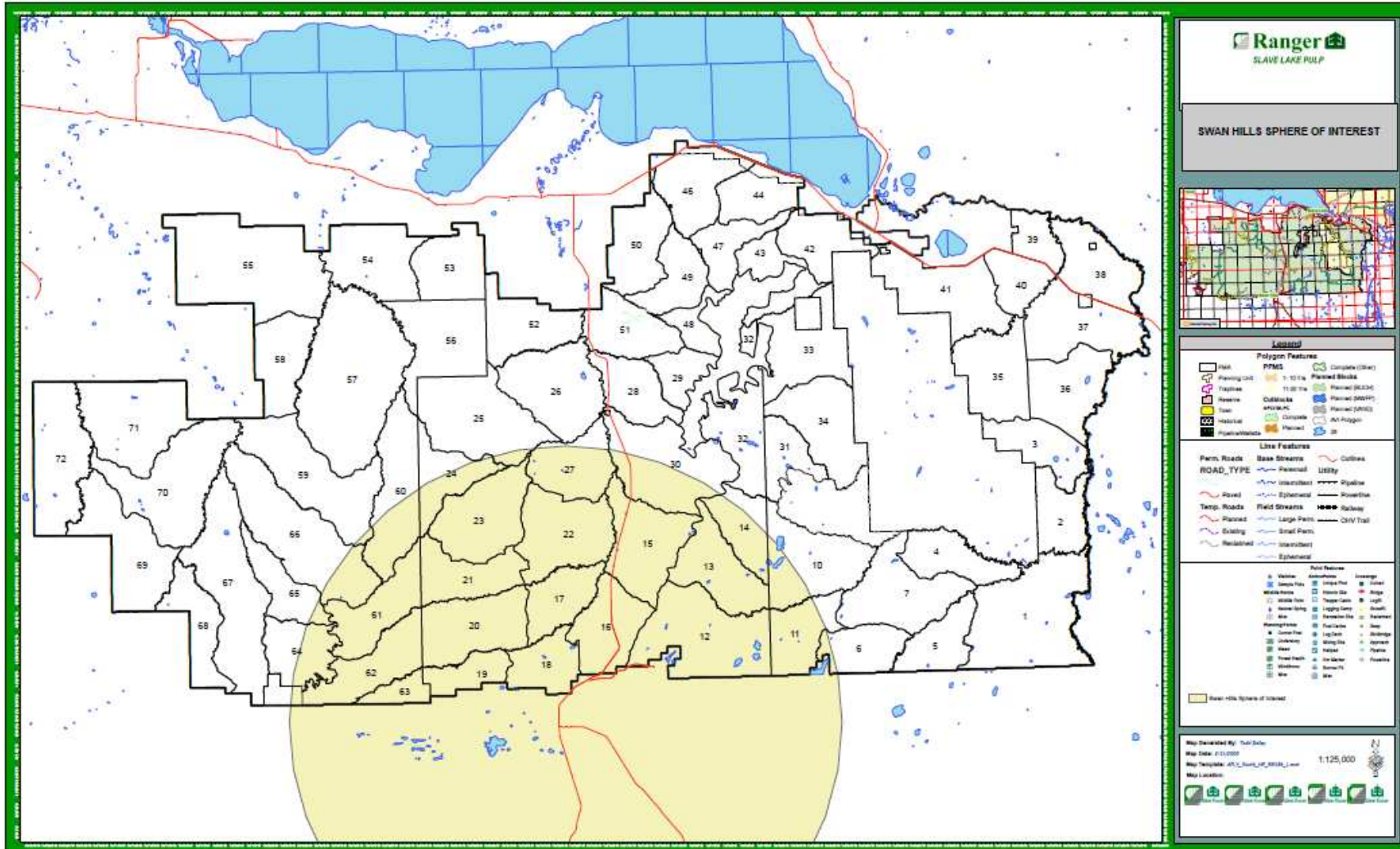






Figure 6 Swan Hills Sphere of Interest





## 2.1.7 WATER SHEDS

Water sheds have been incorporated into the 2002 land base classification.

Table 5 lists the watersheds and their areas.

*Table 5 Watersheds*

WaterShed	Area (ha)	WaterShed	Area (ha)
Adams Creek	12,979.52	McGowan Creek	916.69
Akuinu River	9,559.66	McKinley Creek	5,595.74
Allan River	16,995.31	Middle Driftpile River	11,422.44
Arcadia Creek	4,626.44	Middle East Prairie River	9,701.50
Assineau River	14,026.37	Middle Inverness River	10,376.38
Boulder Creek	6,820.56	Middle Otauwau River	5,748.66
Bruce Creek	10,496.50	Middle Sauteaux River	9,942.38
Chalmers Creek	7,818.25	Middle Swan River	10,734.31
Chrystina Lake Drainage	404.06	Middle West Prairie River	5,054.02
Deer Mountain Drainage	5,570.82	Mooney Creek	12,276.48
Donnelly Creek	9,671.19	Nine Mile Creek	6,136.14
East Arcadia Creek	2,055.52	Otauwau River	329.83
East Lower Driftpile River	2,122.85	Parker Creek	10,624.84
East Prairie River	4,466.89	Pipe Creek	6,357.11
Eating Creek	3,540.19	Redbeaver Creek	6,918.19
Ethel Creek	7,974.81	Roche Lake Drainage	7,324.19
Eula Creek	3,546.11	Sauteaux River	4,281.39
Faust Drainage	6,069.43	Sawridge Creek	20,051.32
Florida Creek	7,144.31	Shannon Creek	12,476.75
Foley Creek	7,738.01	Sidney Creek	12,575.31
Freeman River	490.12	Sloan Creek	10,592.56
Frost Hills Drainage	3,857.16	Strawberry Creek	5,993.73
Goose River	822.30	Swan River	9,128.19
Henry Creek	6,255.93	Upper Coutts River	10,866.35
Island Creek	7,964.25	Upper Driftpile River	10,829.63
Jerry Creek	9,139.69	Upper East Prairie River	12,187.69
Lesser Slave Lake	4,189.36	Upper Inverness River	10,567.56
Lesser Slave River	8,706.59	Upper Little Driftpile River	5,771.44
Little Driftpile River	12,382.81	Upper Middle Driftpile River	10,361.25
Little Prairie Creek	6,771.64	Upper Moosehorn River	12,295.06
Lost Hope Creek	6,807.43	Upper Otauwau River	12,794.28
Lower Coutts River	14,508.35	Upper Sauteaux River	10,445.61
Lower East Prairie River	4,438.02	Upper Swan River	12,246.37
Lower Inverness River	3,516.56	Upper Wallace River	9,137.10
Lower Middle Driftpile River	8,870.69	Upper West Prairie River	570.90
Lower Moosehorn River	10,933.25	West Arcadia Creek	5,827.41
Lower Otauwau River	22,784.71	West Lower Driftpile River	8,639.98
Lower Sauteaux River	29,589.24	West Wallace River	5,601.17
Lower Wallace River	11,016.53	Yellowstone River	6,417.25

## 2.1.8 PROCESSING

A layer is created that contains all the above updates. This was intersected with the approved land base and the ages, yield class assignments and land base classification codes updated. Table 6 and Table 7 provide the Original and Updated land base summaries respectively. In summary, the net contributing land base has increased by 0.74% from 435,379 ha to 438,593 ha

The summary in Table 7 was completed using the following criteria:

Select where FMU2008 = S1 or S1S or S2 or S2S or S6 or S6S

Group the information on FMU2008 and LBDeletion2008

Total the area in AREAHA2008.

Table 6 Original Land base Summary

Code	Name	S1			S2			S6			S20		
		Inside FMA	Outside FMA	Total	Inside FMA	Outside FMA	Total	Inside FMA	Outside FMA	Total	Inside FMA	Outside FMA	Total
0	AAC	181,615	179	181,794	172,839	635	173,473	78,298	1,814	78,298	432,751	2,628	435,379
0.5	Water	85	-	85	483	-	483	844	1,028	844	1,412	1,028	2,440
0.75	Excluded Dispositions	8	-	8	152	295	447	766	4,048	766	926	4,343	5,269
1	Inoperable	16,014	20	16,034	11,056	11	11,067	2,857	0	2,857	29,927	31	29,958
2	Fish and Wildlife Deletions	-	-	-	4,224	118	4,342	-	-	-	4,224	118	4,342
3	Lake Buffers - 100m	112	-	112	380	-	380	453	123	453	946	123	1,069
4	River Buffers - 60m	4,624	-	4,624	4,285	65	4,349	5,439	185	5,439	14,347	250	14,597
5	Stream Buffers - 30m	4,067	6	4,073	5,364	34	5,398	3,843	33	3,843	13,273	74	13,347
6	Naturally Non-Forested	8,017	18	8,035	4,126	132	4,258	16,603	2,819	16,603	28,747	2,969	31,715
7	Anthropogenic Non - Forested	278	-	278	6,451	2	6,454	2,745	-	2,745	9,474	2	9,476
8	TPR = U	7,319	25	7,344	8,506	-	8,506	21,247	-	21,247	37,072	25	37,097
9	Merchantable Deletions	3,702	-	3,702	3,889	477	4,366	3,678	1,671	3,678	11,270	2,148	13,418
10	Non-Salvageable Burns (1998, 1999)	920	-	920	1,236	-	1,236	24,775	164	24,775	26,932	164	27,096
11	Non-Salvageable Burns (Chisholm)	-	-	-	-	-	-	17,984	-	17,984	17,984	-	17,984
<b>Totals</b>		<b>226,761</b>	<b>248</b>	<b>227,009</b>	<b>222,990</b>	<b>1,769</b>	<b>224,759</b>	<b>179,532</b>	<b>11,885</b>	<b>179,532</b>	<b>629,284</b>	<b>13,902</b>	<b>643,186</b>

Table 7 Updated Land base Summary

Land Base Code	Name	Land Base Status	S1			S2			S6			S20		
			Inside FMA	Outside FMA	Total	Inside FMA	Outside FMA	Total	Inside FMA	Outside FMA	Total	Inside FMA	Outside FMA	Total
0	AAC	Active	135,519	161	135,680	127,017	628	127,646	56,382	1,812	58,194	318,918	2,601	321,520
0.5	Water	Passive	85	-	85	483	-	483	844	1,028	1,872	1,412	1,028	2,440
0.75	Excluded Dispositions	Passive	8	-	8	152	295	447	766	4,048	4,814	926	4,343	5,269
1	Inoperable	Passive	15,936	20	15,956	10,850	11	10,860	2,837	0	2,837	29,623	31	29,654
2	Fish and Wildlife Deletions	Passive	-	-	-	4,207	118	4,325	-	-	-	4,207	118	4,325
3	Lake Buffers - 100m	Passive	112	-	112	377	-	377	448	123	571	937	123	1,060
4	River Buffers - 60m	Passive	4,592	-	4,592	4,266	65	4,331	5,425	185	5,610	14,283	250	14,533
5	Stream Buffers - 30m	Passive	4,002	6	4,008	5,289	34	5,324	3,784	33	3,817	13,075	74	13,149
6	Naturally Non-Forested	Passive	7,941	18	7,959	4,077	132	4,210	16,504	2,819	19,322	28,522	2,969	31,491
7	Anthropogenic Non - Forested	Passive	273	-	273	6,305	2	6,308	2,653	-	2,653	9,231	2	9,233
8	TPR = U	Passive	7,270	25	7,294	8,405	-	8,405	21,205	-	21,205	36,880	25	36,904
9	Merchantable Deletions	Passive	3,680	-	3,680	3,851	477	4,328	3,662	1,671	5,333	11,193	2,148	13,341
10	Non-Salvageable Burns (1998, 1999)	Passive	912	-	912	1,188	-	1,188	24,071	164	24,235	26,171	164	26,335
11	Non-Salvageable Burns (Chisholm)	Passive	-	-	-	-	-	-	11,044	-	11,044	11,044	-	11,044
108	Non-Salvageable Burns (After 2002)	Passive	1	-	1	789	-	789	9	3	12	800	3	803
208	Harvested Blocks	Active	13,926	-	13,926	16,599	1	16,600	15,328	0	15,328	45,854	1	45,855
211	Silviculture Liability Waived	Passive	-	-	-	860	-	860	4,152	-	4,152	5,013	-	5,013
201	YC_SP = SB and SP1 = SB and Height <= 14	Active	6,901	10	6,912	11,356	-	11,356	1,554	-	1,554	19,812	10	19,822
202	YC_SP = SB and SP1 = SB and Crown = A	Active	1,892	-	1,892	371	-	371	11	-	11	2,275	-	2,275
203	YC_SP = SB and SP1 = SB and LT in Overstory	Active	38	-	38	0	-	0	0	-	0	38	-	38
204	SP1 = SB and Crown = A	Active	207	-	207	92	-	92	13	-	13	312	-	312
205	SP1 = SB and LT >= 20	Active	3	-	3	14	-	14	16	-	16	33	-	33
206	SP1 = LT	Active	0	-	0	9	-	9	4	-	4	13	-	13
207	Crown = A and UHeight <= 14	Active	19,903	8	19,911	10,018	5	10,023	5,231	-	5,231	35,152	13	35,165
209	Passive Land base within Planned Blocks	Active	72	-	72	169	-	169	51	-	51	292	-	292
210	Planned Harvest Blocks	Active	3,487	-	3,487	6,245	-	6,245	3,535	-	3,535	13,268	-	13,268
<b>Totals</b>			<b>226,761</b>	<b>248</b>	<b>227,009</b>	<b>222,990</b>	<b>1,769</b>	<b>224,759</b>	<b>179,532</b>	<b>11,885</b>	<b>191,417</b>	<b>629,284</b>	<b>13,902</b>	<b>643,186</b>
<b>Active Land Base</b>			<b>181,949</b>	<b>179</b>	<b>182,129</b>	<b>171,891</b>	<b>635</b>	<b>172,525</b>	<b>82,127</b>	<b>1,812</b>	<b>83,939</b>	<b>435,967</b>	<b>2,626</b>	<b>438,593</b>
<b>Passive Land Base</b>			<b>44,812</b>	<b>69</b>	<b>44,881</b>	<b>51,099</b>	<b>1,134</b>	<b>52,234</b>	<b>97,405</b>	<b>10,073</b>	<b>107,479</b>	<b>193,316</b>	<b>11,276</b>	<b>204,593</b>



Changes to the 2002 FMP land base are as follows:

Total active land base has increased by 3,209 ha (0.74%) from 435,379 ha to 438,593 ha

2002 land base deletion for water and excluded dispositions remain unchanged

Remaining 2002 land base deletions decreased in area. This area reduction is reflected in the 2008 land base codes (108 to 211).

The largest 2002 land base deletion decrease occurred in the Non-Salvageable Burns (Chisholm) category. Some of this area is reclassified as waived silviculture liability and in harvested blocks.

45,855 ha is classified as harvested blocks, with assumed silviculture liability

There is 13,560 ha of planned blocks defined in the land base. 292 ha of this was previously defined as passive land base.

There are 803 ha of additional burn deletions applied.

## 2.2 Yield Relationships

The 2002 DFMP yield relationships have not been revised for this amendment. Table 8 provides the 17 yield relationships and their Transitions. Figure 7 provides the area weighted coniferous and deciduous yield relationships. Appendix 3 provided the individual yield relationships.

*Table 8 Yield Class and Description*

Yield Class	Description	Transition
1	C-SW-10	C-SW-10-FS
2	C-SB-10	C-SB-10
3	C-PL-10	C-PL-10-FS
4	C-SW-MX	C-SW-MX-FS
5	C-SB-MX	C-SB-MX-FS
6	C-PL-MX	C-PL-MX-FS
7	CD-AB	CD-CD
8	CD-CD	CD-CD
9	DC-AB	DC-CD
10	DC-CD	DC-CD
11	D-AB	D-CD
12	D-CD	D-CD
101	C-SW-10-FS	C-SW-10-FS
103	C-PL-10-FS	C-PL-10-FS
104	C-SW-MX-FS	C-SW-MX-FS
105	C-SB-MX-FS	C-SB-MX-FS
106	C-PL-MX-FS	C-PL-MX-FS

Long run sustained yield averages (LRSYA) for the FMU have been calculated. Table 9 and Table 10 provides the yield class, transition, net area, maximum mean annual increment culmination age (coniferous and deciduous) and the contribution to LRSYA for standing and regenerated states respectively. LRSYA, Volume and MAI values are net of cull. In addition area weight coniferous/deciduous cull percentages are provided.

Figure 7 Area Weighted Coniferous and Deciduous Yield Relationships

Area Weighted Yields                      Total Net Area:                      438,593

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	2.3	0.23	3.3	0.33	91,533
20	9.7	0.49	13.5	0.67	19,546
30	21.5	0.72	28.3	0.94	26,876
40	35.9	0.90	44.8	1.12	15,858
50	51.7	1.03	60.7	1.21	23,708
60	67.8	1.13	74.6	1.24	60,673
70	83.2	1.19	85.7	1.22	30,366
80	97.5	1.22	93.8	1.17	11,953
90	110.2	1.22	99.0	1.10	26,056
100	121.0	1.21	101.6	1.02	5,715
110	130.1	1.18	102.0	0.93	7,653
120	137.2	1.14	100.6	0.84	20,012
130	142.6	1.10	97.8	0.75	27,390
140	146.3	1.04	94.1	0.67	24,450
150	148.5	0.99	89.7	0.60	23,626
160	149.3	0.93	85.0	0.53	17,245
170	149.0	0.88	80.0	0.47	1,775
180	147.6	0.82	75.0	0.42	1,054
190	145.4	0.77	70.1	0.37	746
200	142.5	0.71	65.5	0.33	2,358

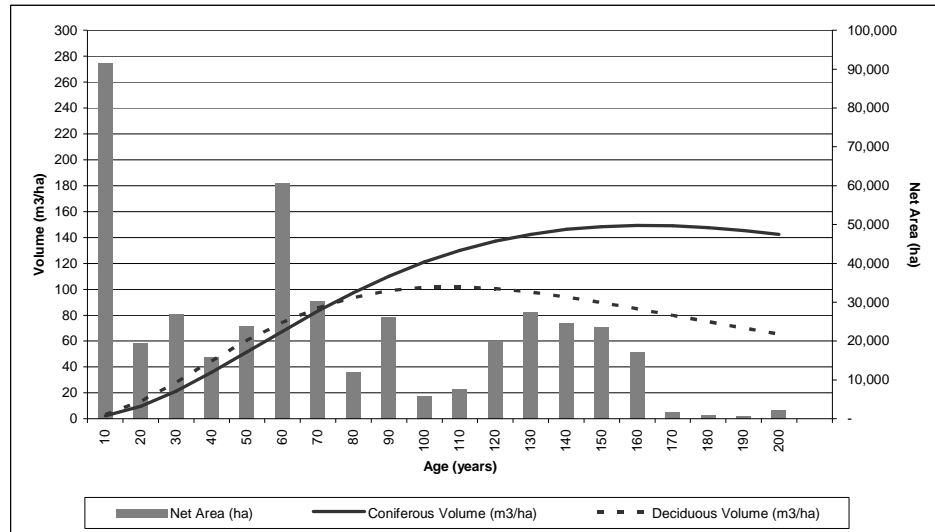


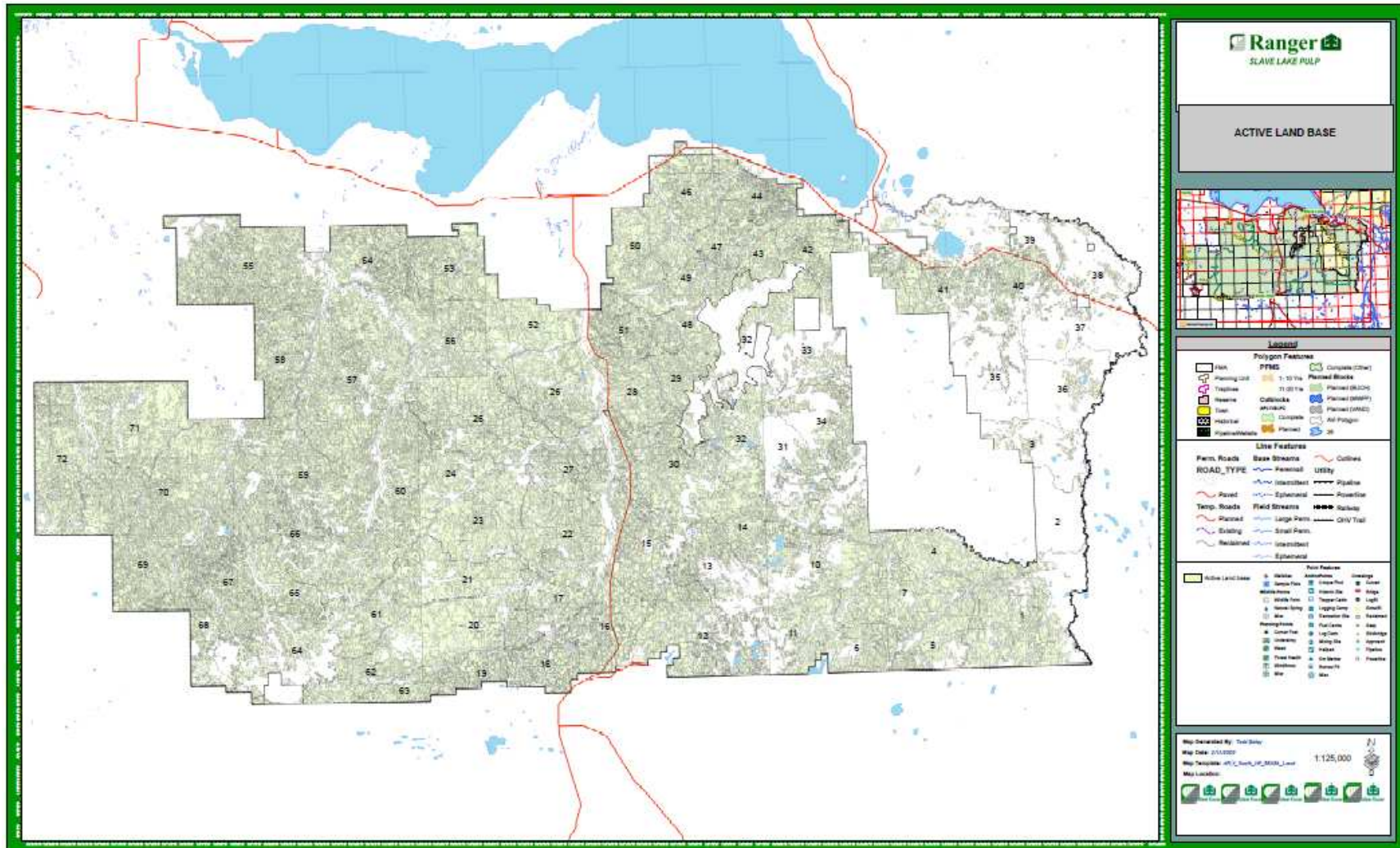
Table 9 Long Run Sustained Yield Average Calculations – Current State

Yield Class	Transition	Net Area	Coniferous				Deciduous				Average Cull	
			Volume	MAI	MAI Age	LRSYA	Volume	MAI	MAI Age	LRSYA	Coniferous	Deciduous
1	1	11,524	161.1	2.30	70	26,526	6.2	0.09	70	1,014	2.00%	10.00%
2	2	17,481	85.0	0.71	120	12,386	0.0	0.00	10	60	2.00%	10.00%
3	3	49,944	183.3	1.83	100	91,567	6.6	0.06	110	2,997	2.00%	10.00%
4	4	21,322	155.8	2.23	70	47,456	35.8	0.51	70	10,898	1.89%	10.00%
5	5	27,978	75.5	0.63	120	17,610	0.4	0.04	10	1,068	1.95%	10.00%
6	6	25,192	180.9	1.81	100	45,583	27.6	0.25	110	6,316	1.90%	10.00%
7	7	10,759	97.0	1.39	70	14,914	65.3	0.73	90	7,812	1.93%	10.00%
8	8	35,444	166.5	1.66	100	59,009	87.6	0.88	100	31,044	1.86%	10.00%
9	9	10,699	96.6	0.88	110	9,398	54.8	0.91	60	9,780	1.90%	10.00%
10	10	17,350	115.1	1.64	70	28,538	125.3	1.57	80	27,180	1.89%	10.00%
11	11	39,982	19.4	0.22	90	8,603	108.8	1.81	60	72,500	1.89%	10.00%
12	12	115,016	62.9	0.42	150	48,239	161.9	2.70	60	310,435	1.87%	10.00%
101	101	13,825	202.6	2.53	80	35,007	19.1	0.24	80	3,292	1.90%	10.00%
103	103	13,485	209.4	2.33	90	31,379	8.0	0.09	90	1,195	1.97%	10.00%
104	104	16,688	195.6	2.44	80	40,796	45.9	0.57	80	9,583	1.79%	10.00%
105	105	251	100.9	0.72	140	181	0.8	0.02	50	4	1.78%	10.00%
106	106	11,650	199.2	2.21	90	25,782	24.8	0.28	90	3,213	1.81%	10.00%
<b>Totals</b>		<b>438,593</b>	<b>114.9</b>	<b>1.19</b>	<b>108</b>	<b>542,974</b>	<b>73.0</b>	<b>1.11</b>	<b>72</b>	<b>498,391</b>	<b>1.91%</b>	<b>10.00%</b>

Table 10 Long Run Sustained Yield Average Calculations – Regenerated State

Yield Class	Transition	Net Area	Coniferous				Deciduous				Average Cull	
			Volume	MAI	MAI Age	LRSYA	Volume	MAI	MAI Age	LRSYA	Coniferous	Deciduous
1	101	11,524	202.6	2.53	80	29,179	19.1	0.24	80	2,744	2.00%	10.00%
2	2	17,481	85.0	0.71	120	12,386	0.0	0.00	10	60	2.00%	10.00%
3	103	49,944	209.4	2.33	90	116,220	8.0	0.09	90	4,427	2.00%	10.00%
4	104	21,322	195.6	2.44	80	52,124	45.9	0.57	80	12,244	1.89%	10.00%
5	105	27,978	100.9	0.72	140	20,157	0.8	0.02	50	450	1.95%	10.00%
6	106	25,192	199.2	2.21	90	55,751	24.8	0.28	90	6,949	1.90%	10.00%
7	8	10,759	166.5	1.66	100	17,913	87.6	0.88	100	9,424	1.93%	10.00%
8	8	35,444	166.5	1.66	100	59,009	87.6	0.88	100	31,044	1.86%	10.00%
9	10	10,699	115.1	1.64	70	17,599	125.3	1.57	80	16,762	1.90%	10.00%
10	10	17,350	115.1	1.64	70	28,538	125.3	1.57	80	27,180	1.89%	10.00%
11	12	39,982	62.9	0.42	150	16,769	161.9	2.70	60	107,915	1.89%	10.00%
12	12	115,016	62.9	0.42	150	48,239	161.9	2.70	60	310,435	1.87%	10.00%
101	101	13,825	202.6	2.53	80	35,007	19.1	0.24	80	3,292	1.90%	10.00%
103	103	13,485	209.4	2.33	90	31,379	8.0	0.09	90	1,195	1.97%	10.00%
104	104	16,688	195.6	2.44	80	40,796	45.9	0.57	80	9,583	1.79%	10.00%
105	105	251	100.9	0.72	140	181	0.8	0.02	50	4	1.78%	10.00%
106	106	11,650	199.2	2.21	90	25,782	24.8	0.28	90	3,213	1.81%	10.00%
<b>Totals</b>		<b>438,593</b>	<b>131.6</b>	<b>1.36</b>	<b>115</b>	<b>607,030</b>	<b>82.3</b>	<b>1.24</b>	<b>72</b>	<b>546,923</b>	<b>1.91%</b>	<b>10.00%</b>

Figure 8 Active Land base







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**APPENDIX 1 MPB RANKING APPROVAL**

06304-010  
06304-F02-10

October 10, 2008

George Duffy, RPF  
FMA Planning Forester  
Slave Lake Pulp  
Woodlands Manager  
Alberta Plywood Ltd. / Slave Lake Pulp Corporation  
P.O. Box 1790  
Slave Lake, AB  
T0G 2A0

Dear George Duffy:

**RE: AGREEMENT-IN-PRINCIPLE – SLAVE LAKE PULP MOUNTAIN PINE BEETLE  
RANKING SYSTEM**

Thank you for your October 2, 2008 submission outlining the Slave Lake Pulp (SLP) Mountain Pine Beetle (MPB) ranking system. The Department has reviewed the proposal. Agreement-in-principle is granted to SLP for use of this alternate MPB ranking system in its Detailed Forest Management Plan MPB Amendment.

Upon review, the following observations were made:

1. The SLP MPB ranking system, which combines % pine and merchantability criteria via age, does not use the Alberta Pine Strategy Stand Ranking system other than to narrow down the stands SLP will initially consider. By adopting this approach, the climatic factor influence is disregarded.

In the case of the SLP S20 FMA it appears that the climatic factor does not have as much of an influence on the Pine Strategy Stand Ranking as seen in other FMAs in Alberta. Therefore, the department can see why SLP chose to explore other criteria to refine its priority stands.

.../2

2. The map developed using the SLP MPB ranking system was compared against the SRD MPB Connectivity map (see attached). The areas shown in red and orange on the Connectivity map identify the highest priority stands. In order of priority, the focus should be in the Central portion of the FMA (north of the Moosehorn fire), the Eastern portion of the FMA (west of the Agnes Lake fire) and finally in the Western portion of the FMA (north of the Virginia Hills fire). SLP will need to develop a Spatial Harvest Sequence that focuses harvesting activities in these priority areas over the short-term.
3. The 60 year and 80 year merchantability limit criteria as portrayed on the maps provided by SLP both appear to address the areas of concern to the Department. Appropriate rationale will need to be provided for the merchantability criteria selected.

The Department looks forward to reviewing the SHS as it becomes available to the Plan Development Team to see how the priority areas have been addressed.

If you wish to discuss further, please give me a call at (780) 427-4707.

Sincerely,

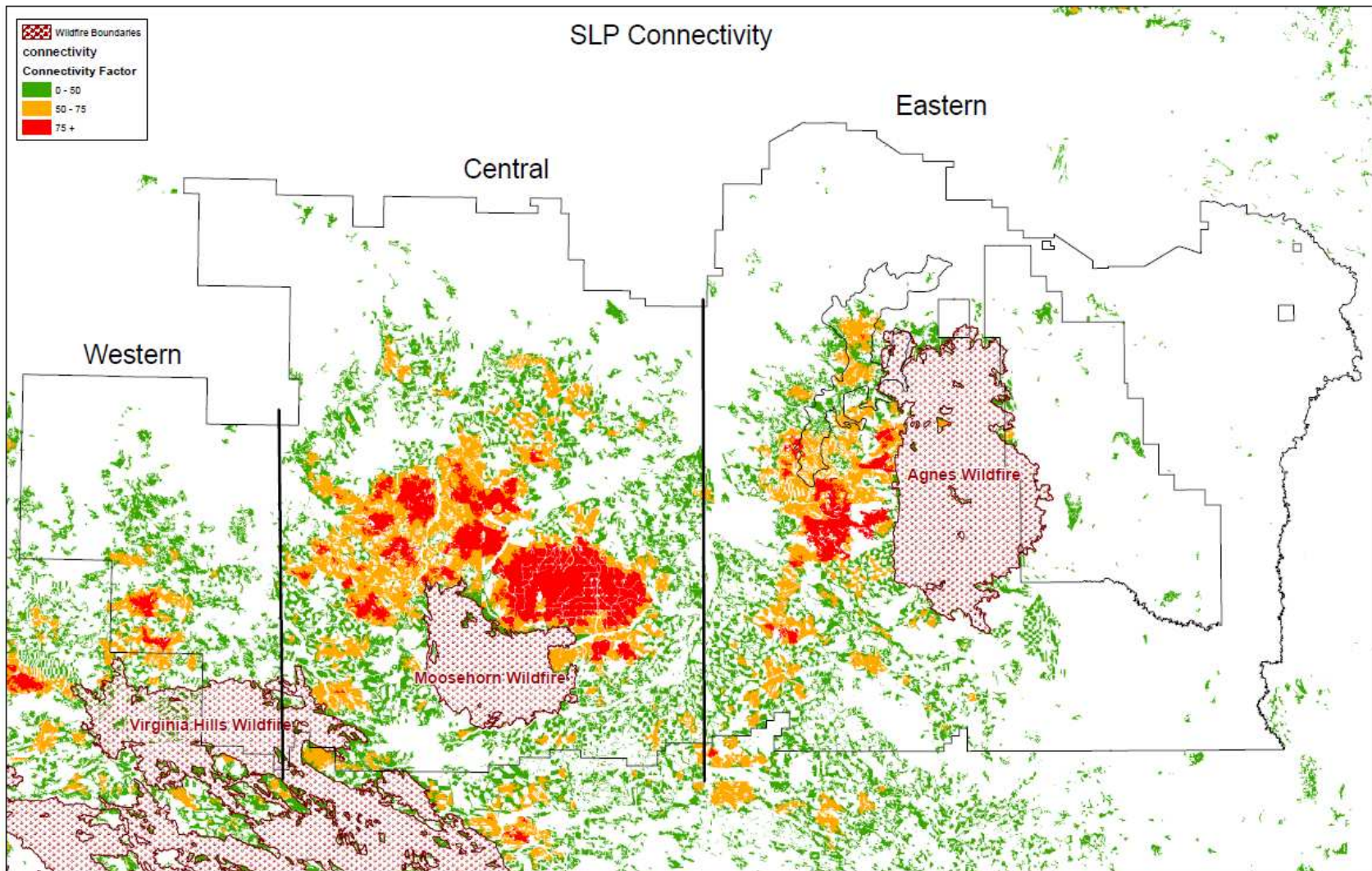
**(Original signed)**

Vicky Bossé, RPF  
Lead-Forest Planning and Performance Monitoring  
Forest Management Branch  
Sustainable Resource Development

cc: Erica Lee, MPB Prevention Specialist, Forest Health Section  
Jim Lunn, Forestry Program Manager, Lesser Slave Area

Attachment: (1)





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## APPENDIX 2 BLOCK OVERLAP DETAIL

Change	Year comparisons	Declaration Comparisons	Area
APLY -> WEST	2006 > 2003	C-2000 -> C	0.7
APLY -> WEST	2007 > 2004	C-2000 -> C	0.0
APLY -> WEST	2008 > 2003	C-2000 -> C	0.0
BUCH -> SLPC	2004 >= 2001	CD -> D-2000	0.0
BUCH -> SLPC	2004 >= 2004	C -> D-2000	0.0
BUCH -> SLPC	2004 >= 2004	CD -> D-2000	3.9
BUCH -> SLPC	2005 >= 2005	DC -> D-2000	28.8
BUCH -> SLPC	2006 >= 1999	-> D-2000	0.5
BUCH -> SLPC	2006 >= 2006	CD -> D-2000	25.4
MTU -> APLY	2007 >=	-> D-2000	0.0
MTU -> APLY	2007 >= 2005	DC -> CD-2000	0.1
MTU -> APLY	2007 >= 2005	DC -> D-2000	0.3
MTU -> APLY	2007 >= 2007	D-2000 -> D-2000	0.0
VAND -> APLY	2007 >= 2003	C -> DC-2000	0.0
VAND -> SLPC	2000 >= 2000	DC-2000 -> DC-2000	10.0
VAND -> SLPC	2001 >= 1997	C -> D-2000	28.6
VAND -> SLPC	2001 >= 1998	C -> D-2000	4.0
VAND -> SLPC	2001 >= 1998	CD -> D-2000	0.5
VAND -> SLPC	2001 >= 1998	d -> D-2000	2.1
VAND -> SLPC	2001 >= 1998	DC -> D-2000	22.4
VAND -> SLPC	2001 >= 1999	CD -> D-2000	0.3
VAND -> SLPC	2001 >= 1999	DC -> D-2000	0.0
VAND -> SLPC	2001 >= 2000	C -> D-2000	0.0
VAND -> SLPC	2001 >= 2001	C -> D-2000	0.0
VAND -> SLPC	2001 >= 2001	CD-2000 -> D-2000	3.5
VAND -> SLPC	2001 >= 2001	CONF -> D-2000	3.1
VAND -> SLPC	2001 >= 2001	D-2000 -> D-2000	4.8
VAND -> SLPC	2002 >= 1998	C -> D-2000	0.0
VAND -> SLPC	2002 >= 1998	CD -> D-2000	1.0
VAND -> SLPC	2002 >= 1998	d -> D-2000	0.0
VAND -> SLPC	2002 >= 1998	DC -> D-2000	0.3
VAND -> SLPC	2002 >= 1999	C -> D-2000	0.0
VAND -> SLPC	2002 >= 1999	CD -> D-2000	0.0
VAND -> SLPC	2002 >= 1999	DC -> D-2000	0.0
VAND -> SLPC	2002 >= 2001	C -> D-2000	6.6
VAND -> SLPC	2002 >= 2001	CONF -> D-2000	0.0
VAND -> SLPC	2003 >= 1998	C -> D-2000	0.0
VAND -> SLPC	2003 >= 2001	CONF -> D-2000	0.0
WEST -> APLY	2006 >= 2006	C -> C-2000	0.1
WEST -> SLPC	>= 2006	C -> D-2000	0.8
WEST -> SLPC	2002 >= 2000	CD -> D-2000	0.2
WEST -> SLPC	2002 >= 2001	C -> C-2000	0.0
WEST -> SLPC	2002 >= 2001	C -> D-2000	0.0
WEST -> SLPC	2002 >= 2001	CD -> D-2000	0.2
WEST -> SLPC	2002 >= 2002	CD -> D-2000	0.0
WEST -> SLPC	2002 >= 2002	DC -> C-2000	0.0
WEST -> SLPC	2002 >= 2002	DC -> D-2000	0.0
WEST -> SLPC	2002 >= 2002	DC -> DC-2000	0.0
WEST -> SLPC	2003 >= 2003	C -> D-2000	0.1
WEST -> SLPC	2003 >= 2003	CD -> D-2000	0.1
WEST -> SLPC	2003 >= 2003	CD -> DC-2000	1.9
WEST -> SLPC	2006 >= 2001	C -> D-2000	0.0
WEST -> SLPC	2006 >= 2001	CD -> D-2000	0.0
WEST -> SLPC	2006 >= 2001	DC -> D-2000	0.0

Change	Year comparisons	Declaration Comparisons	Area
APLY -> WEST	2006 > 2003	C-2000 -> C	0.7
APLY -> WEST	2007 > 2004	C-2000 -> C	0.0
APLY -> WEST	2008 > 2003	C-2000 -> C	0.0
BUCH -> SLPC	2004 >= 2001	CD -> D-2000	0.0
BUCH -> SLPC	2004 >= 2004	C -> D-2000	0.0
BUCH -> SLPC	2004 >= 2004	CD -> D-2000	3.9
BUCH -> SLPC	2005 >= 2005	DC -> D-2000	28.8
BUCH -> SLPC	2006 >= 1999	-> D-2000	0.5
BUCH -> SLPC	2006 >= 2006	CD -> D-2000	25.4
MTU -> APLY	2007 >=	-> D-2000	0.0
MTU -> APLY	2007 >= 2005	DC -> CD-2000	0.1
MTU -> APLY	2007 >= 2005	DC -> D-2000	0.3
MTU -> APLY	2007 >= 2007	D-2000 -> D-2000	0.0
VAND -> APLY	2007 >= 2003	C -> DC-2000	0.0
VAND -> SLPC	2000 >= 2000	DC-2000 -> DC-2000	10.0
VAND -> SLPC	2001 >= 1997	C -> D-2000	28.6
VAND -> SLPC	2001 >= 1998	C -> D-2000	4.0
VAND -> SLPC	2001 >= 1998	CD -> D-2000	0.5
VAND -> SLPC	2001 >= 1998	d -> D-2000	2.1
VAND -> SLPC	2001 >= 1998	DC -> D-2000	22.4
VAND -> SLPC	2001 >= 1999	CD -> D-2000	0.3
VAND -> SLPC	2001 >= 1999	DC -> D-2000	0.0
VAND -> SLPC	2001 >= 2000	C -> D-2000	0.0
VAND -> SLPC	2001 >= 2001	C -> D-2000	0.0
VAND -> SLPC	2001 >= 2001	CD-2000 -> D-2000	3.5
VAND -> SLPC	2001 >= 2001	CONF -> D-2000	3.1
VAND -> SLPC	2001 >= 2001	D-2000 -> D-2000	4.8
VAND -> SLPC	2002 >= 1998	C -> D-2000	0.0
VAND -> SLPC	2002 >= 1998	CD -> D-2000	1.0
VAND -> SLPC	2002 >= 1998	d -> D-2000	0.0
VAND -> SLPC	2002 >= 1998	DC -> D-2000	0.3
VAND -> SLPC	2002 >= 1999	C -> D-2000	0.0
VAND -> SLPC	2002 >= 1999	CD -> D-2000	0.0
VAND -> SLPC	2002 >= 1999	DC -> D-2000	0.0
VAND -> SLPC	2002 >= 2001	C -> D-2000	6.6
VAND -> SLPC	2002 >= 2001	CONF -> D-2000	0.0
VAND -> SLPC	2003 >= 1998	C -> D-2000	0.0
VAND -> SLPC	2003 >= 2001	CONF -> D-2000	0.0
WEST -> APLY	2006 >= 2006	C -> C-2000	0.1
WEST -> SLPC	>= 2006	C -> D-2000	0.8
WEST -> SLPC	2002 >= 2000	CD -> D-2000	0.2
WEST -> SLPC	2002 >= 2001	C -> C-2000	0.0
WEST -> SLPC	2002 >= 2001	C -> D-2000	0.0
WEST -> SLPC	2002 >= 2001	CD -> D-2000	0.2
WEST -> SLPC	2002 >= 2002	CD -> D-2000	0.0
WEST -> SLPC	2002 >= 2002	DC -> C-2000	0.0
WEST -> SLPC	2002 >= 2002	DC -> D-2000	0.0
WEST -> SLPC	2002 >= 2002	DC -> DC-2000	0.0
WEST -> SLPC	2003 >= 2003	C -> D-2000	0.1
WEST -> SLPC	2003 >= 2003	CD -> D-2000	0.1
WEST -> SLPC	2003 >= 2003	CD -> DC-2000	1.9
WEST -> SLPC	2006 >= 2001	C -> D-2000	0.0
WEST -> SLPC	2006 >= 2001	CD -> D-2000	0.0
WEST -> SLPC	2006 >= 2001	DC -> D-2000	0.0



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**APPENDIX 3 WAIVED LIABILITY BLOCKS**

OpeningNumber	Operator	Area	OpeningNumber	Operator	Area
5020693557A	SLPC	2.5	5040701091A	SLPC	0.9
5030690311A	SLPC	24.5	5040701112A	SLPC	6.2
5030690701A	SLPC	8.1	5040701114A	SLPC	12.9
5030691838A	SLPC	12.6	5040701123A	SLPC	2.1
5030692811A	SLPC	38.9	5040701127A	SLPC	19.8
5030692829A	SLPC	3.2	5040701156A	SLPC	22.6
5030693364A	SLPC	21.7	5040701172A	SLPC	44.7
5030693379A	SLPC	21.8	5040701205A	SLPC	2.6
5030693381A	SLPC	14.5	5040701226A	SLPC	201.7
5030700445A	SLPC	25.6	5040701244A	SLPC	3.8
5030700473A	SLPC	19.7	5040701268A	SLPC	11.9
5030700625A	SLPC	125.7	5040701291A	SLPC	1.0
5030700640A	SLPC	19.1	5040701309A	SLPC	2.8
5030700673A	SLPC	36.9	5040701352A	SLPC	53.7
5030700711A	SLPC	0.2	5040701359A	SLPC	10.3
5030700941A	SLPC	22.9	5040701432A	SLPC	22.1
5030701062A	SLPC	3.6	5040701439A	SLPC	20.0
5030701337A	SLPC	24.6	5040701441A	SLPC	4.4
5030701516A	SLPC	52.6	5040701517A	SLPC	2.6
5030701571A	SLPC	72.7	5040701557A	SLPC	20.7
5030701589A	SLPC	3.3	5040701582A	SLPC	18.7
5030701656A	SLPC	40.5	5040701629A	SLPC	2.3
5030701803A	SLPC	14.3	5040701645A	SLPC	25.6
5030701807A	SLPC	21.6	5040701651A	SLPC	13.4
5030701918A	SLPC	33.1	5040701674A	SLPC	2.7
5030701941A	SLPC	75.1	5040701681A	SLPC	47.7
5030701948A	SLPC	3.9	5040701734A	SLPC	18.7
5030701964A	SLPC	14.4	5040701736A	SLPC	56.0
5030701967A	SLPC	12.2	5040701772A	SLPC	21.1
5030701984A	SLPC	15.9	5040702028A	SLPC	15.3
5030701988A	SLPC	39.9	5040702070A	SLPC	1.7
5030702266A	SLPC	26.4	5040702091A	SLPC	1.5
5030702275A	SLPC	43.7	5040702121A	SLPC	2.3
5030702349A	SLPC	23.4	5040702122A	SLPC	2.7
5030702599A	SLPC	3.6	5040702126A	SLPC	3.4
5030702665A	SLPC	12.0	5040702135A	SLPC	3.3
5030702823A	SLPC	53.6	5040702160A	SLPC	11.4
5030703003A	SLPC	5.4	5040702309A	SLPC	14.2
5030703374A	SLPC	23.1	5040702382A	SLPC	10.4
5030703432A	SLPC	78.6	5040702401A	SLPC	1.2
5030703434A	SLPC	9.5	5040702413A	SLPC	8.7
5030703518A	SLPC	1.5	5040702419A	SLPC	9.5
5030703521A	SLPC	7.9	5040702432A	SLPC	5.9
5030703558A	SLPC	3.5	5040702442A	SLPC	1.8
5030710405A	SLPC	54.4	5040702463A	SLPC	24.6
5030710421A	SLPC	14.9	5040702569A	SLPC	7.3
5030710457A	SLPC	121.0	5040702580A	SLPC	3.3
5030710534A	SLPC	46.1	5040702584A	SLPC	6.1
5030710673A	SLPC	33.5	5040702587A	SLPC	7.7

OpeningNumber	Operator	Area	OpeningNumber	Operator	Area
5030710884A	SLPC	12.8	5040702606A	SLPC	31.2
5030710886A	SLPC	11.3	5040702633A	SLPC	12.6
5030710909A	SLPC	22.5	5040702831A	SLPC	21.2
5030711034A	SLPC	6.0	5040702854A	SLPC	16.1
5030711068A	SLPC	18.7	5040702876A	SLPC	7.7
5030711098A	SLPC	10.9	5040702916A	SLPC	54.3
5030711142A	SLPC	8.6	5040702922A	SLPC	22.9
5030711168A	SLPC	11.9	5040703115A	SLPC	41.0
5030711181A	SLPC	6.1	5040703258A	SLPC	17.9
5030711187A	SLPC	8.1	5040703284A	SLPC	6.7
5030711219A	SLPC	17.1	5040703290A	SLPC	3.6
5030711310A	SLPC	33.8	5040703312A	SLPC	3.1
5030711341A	SLPC	10.6	5040703334A	SLPC	44.8
5030711432A	SLPC	14.7	5040703338A	SLPC	5.3
5030711448A	SLPC	2.4	5040703340A	SLPC	17.1
5030711463A	SLPC	51.2	5040703369A	SLPC	17.2
5030711466A	SLPC	13.9	5040703399A	SLPC	28.6
5030711498A	SLPC	34.0	5040703428A	SLPC	0.9
5030711524A	SLPC	3.5	5040710333A	SLPC	46.2
5030711552A	SLPC	16.6	5040710475A	SLPC	64.0
5030711570A	SLPC	5.3	5040710692A	SLPC	11.3
5030711574A	SLPC	108.8	5040710833A	SLPC	45.8
5030711699A	SLPC	322.9	5040710895A	SLPC	75.6
5030712118A	SLPC	16.2	5040710897A	SLPC	3.0
5030712193A	SLPC	3.5	5040711055A	SLPC	51.8
5030712245A	SLPC	38.2	5040711093A	SLPC	22.6
5030712289A	SLPC	3.1	5040711735A	SLPC	8.4
5030712354A	SLPC	45.4	5040711824A	SLPC	14.8
5030712708A	SLPC	37.3	5040711867A	SLPC	39.9
5030712720A	SLPC	14.3	5040711986A	SLPC	48.4
5030712744A	SLPC	12.7	5040712456A	SLPC	17.1
5030712768A	SLPC	4.5	5040713424A	SLPC	6.7
5030712770A	SLPC	4.2	5080681583A	SLPC	30.6
5030712831A	SLPC	22.7	6030703228A	SLPC	20.7
5030712848A	SLPC	32.9	5070681602	VAND	35.4
5030712851A	SLPC	5.0	5070681756	VAND	37.2
5030712870A	SLPC	74.4	5070680572A	WEST	16.6
5030712883A	SLPC	1.2	5070680752	WEST	22.9
5030712885A	SLPC	0.6	5070680786	WEST	21.0
5030712961A	SLPC	31.5	5070680869A	WEST	11.0
5030713282A	SLPC	23.5	5070680925A	WEST	12.2
5030713317A	SLPC	8.8	5070681722	WEST	50.0
5030713345A	SLPC	18.6	5070681829	WEST	33.4
5030713385A	SLPC	10.3	5070681834	WEST	12.9
5030713387A	SLPC	19.7	5070681841	WEST	12.0
5030713460A	SLPC	0.7	5070681970	WEST	40.2
5040691918A	SLPC	7.8	5080681163	WEST	2.0
5040692534A	SLPC	26.8	5080681185	WEST	2.9
5040693418A	SLPC	73.2	5080681283A	WEST	17.8

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<b>OpeningNumber</b>	<b>Operator</b>	<b>Area</b>	<b>OpeningNumber</b>	<b>Operator</b>	<b>Area</b>
5040693422A	SLPC	2.1	5080681308	WEST	70.9
5040700125A	SLPC	75.8	5080681395	WEST	15.8
5040700172A	SLPC	8.0	5080681414	WEST	34.1
5040700426A	SLPC	3.7	5080681492	WEST	64.2
5040700927A	SLPC	41.3	5080681560	WEST	80.5
5040701034A	SLPC	51.6	5080681586	WEST	12.9
5040701066A	SLPC	133.0	5080682323	WEST	223.6

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**APPENDIX 4 PLANNED BLOCK YIELD CLASS AND AGE REASSIGNMENTS**

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Opening Number	Operator	Block Area	Yield Class Override		Age Override	
			Area	Percent of Block	Age Override Area	
5050670237A	SLPC	5.6	0.0	0.0%	0.0	0.0%
5050670342A	SLPC	18.8	-	0.0%	0.0	0.0%
5050670454A	SLPC	27.9	-	0.0%	0.0	0.0%
5050670601A	VAND	0.6	-	0.0%	0.1	9.1%
5050670912A	SLPC	1.0	0.0	0.0%	0.0	0.0%
5050671727A	SLPC	99.8	0.4	0.4%	1.2	1.2%
5050671858A	SLPC	40.2	0.0	0.1%	0.0	0.1%
5050680601A	VAND	5.4	0.0	0.2%	0.1	1.7%
5050680602A	VAND	98.4	-	0.0%	3.6	3.7%
5050680607A	VAND	11.8	-	0.0%	0.2	1.4%
5050680608A	VAND	71.0	0.4	0.5%	0.7	0.9%
5050680609A	VAND	4.7	0.3	6.1%	0.3	6.7%
5050680610A	VAND	3.3	0.0	0.4%	0.1	4.0%
5050680664A	SLPC	14.7	-	0.0%	0.0	0.0%
5050680782A	SLPC	34.7	-	0.0%	1.0	3.0%
5050710232A	SLPC	83.0	-	0.0%	1.6	1.9%
5050712744A	SLPC	12.8	-	0.0%	0.5	3.8%
5050713361A	SLPC	1.6	0.0	0.1%	0.0	1.4%
5050713497A	SLPC	7.1	-	0.0%	0.6	8.5%
5050713526A	SLPC	10.7	2.9	27.1%	2.9	27.1%
5050713542A	SLPC	2.2	0.4	16.7%	0.4	16.7%
5050713549A	SLPC	11.7	-	0.0%	1.0	8.1%
5050713623A	SLPC	11.7	0.2	2.1%	0.2	2.1%
5050713631A	SLPC	0.9	-	0.0%	0.0	4.2%
5050713632A	SLPC	3.5	0.6	18.5%	0.9	25.3%
5050720211A	SLPC	167.7	2.0	1.2%	2.3	1.4%
5050720284A	SLPC	78.6	3.4	4.3%	4.8	6.1%
5050720348A	SLPC	16.2	0.0	0.0%	1.5	9.5%
5050720374A	SLPC	6.4	0.5	7.7%	0.5	7.7%
5050720381A	SLPC	15.5	0.7	4.6%	0.8	5.2%
5050720465A	SLPC	36.4	-	0.0%	3.6	9.9%
5050720702A	SLPC	11.2	0.4	4.0%	0.7	5.9%
5050720706A	SLPC	0.5	-	0.0%	0.0	0.3%
5050720814A	SLPC	0.2	-	0.0%	0.0	14.5%
5050720825A	SLPC	0.4	-	0.0%	0.0	2.4%
5050720836A	SLPC	5.0	0.2	3.5%	0.2	4.9%
5050720961A	SLPC	17.4	-	0.0%	2.0	11.4%
5050721022A	SLPC	5.5	-	0.0%	1.8	32.8%
5050721705A	SLPC	2.1	-	0.0%	0.3	13.8%
5050721724A	SLPC	0.1	-	0.0%	0.0	52.5%
5050721725A	SLPC	0.6	-	0.0%	0.0	4.4%
5050721726A	SLPC	2.0	-	0.0%	0.0	1.0%
5050721774A	SLPC	6.2	-	0.0%	0.1	1.6%
5050721896A	SLPC	0.8	-	0.0%	0.0	1.8%
5050730733A	SLPC	1.2	0.0	2.1%	0.0	2.1%
5060671288A	SLPC	12.8	0.2	1.6%	0.2	1.7%
5060671382A	SLPC	9.1	0.1	0.9%	0.1	0.9%

Opening Number	Operator	Block Area	Yield Class Override		Age Override	
			Area	Percent of Block	Age Override Area	
5060671394A	SLPC	33.2	0.0	0.0%	1.7	5.0%
5060671827A	SLPC	30.0	-	0.0%	0.0	0.0%
5060672066A	SLPC	11.5	-	0.0%	0.5	4.2%
5060672525A	SLPC	87.6	-	0.0%	0.7	0.8%
5060672566A	SLPC	113.2	0.1	0.1%	1.4	1.3%
5060672622A	SLPC	39.3	-	0.0%	0.1	0.2%
5060672625A	SLPC	34.1	0.5	1.5%	0.6	1.9%
5060672647A	SLPC	16.6	-	0.0%	0.0	0.1%
5060672683A	SLPC	111.1	0.5	0.4%	0.6	0.5%
5060672733A	SLPC	62.2	0.1	0.1%	3.4	5.5%
5060672777A	SLPC	37.8	-	0.0%	1.1	2.9%
5060673471A	SLPC	7.8	0.2	2.2%	0.7	9.2%
5060673519A	SLPC	3.9	0.0	0.0%	0.0	0.0%
5060680322A	SLPC	19.1	-	0.0%	0.0	0.0%
5060680383A	SLPC	28.9	0.0	0.0%	0.0	0.0%
5060680611A	VAND	17.5	-	0.0%	0.0	0.2%
5060680623A	VAND	17.3	-	0.0%	0.1	0.8%
5060681187A	SLPC	19.2	-	0.0%	0.0	0.0%
5060720424A	SLPC	21.1	0.2	0.8%	0.2	0.8%
5060720659A	SLPC	75.7	0.2	0.2%	0.2	0.2%
5060720696A	SLPC	238.4	0.0	0.0%	0.0	0.0%
5060722135A	SLPC	334.4	0.1	0.0%	0.1	0.0%
5070670147A	SLPC	19.3	-	0.0%	0.2	0.9%
5070671384A	SLPC	8.3	-	0.0%	0.3	3.5%
5070672448A	SLPC	25.7	-	0.0%	0.4	1.6%
5070672577A	SLPC	31.6	-	0.0%	0.3	0.9%
5070672579A	SLPC	4.1	-	0.0%	0.2	5.4%
5070673191A	SLPC	4.5	-	0.0%	0.1	2.5%
5070681636A	VAND	5.8	-	0.0%	0.1	2.1%
5070681663A	VAND	6.7	-	0.0%	6.6	98.2%
5070682125A	VAND	8.3	-	0.0%	0.4	4.4%
5070682822A	VAND	22.1	-	0.0%	0.0	0.0%
5070690433A	VAND	21.6	-	0.0%	3.8	17.8%
5070690542A	VAND	2.9	0.0	1.6%	0.0	1.6%
5070690545A	VAND	61.8	0.2	0.4%	3.9	6.3%
5070690547A	VAND	5.7	-	0.0%	0.3	4.7%
5070690548A	VAND	3.8	-	0.0%	0.2	4.0%
5070690549A	VAND	3.8	-	0.0%	0.4	10.3%
5070690551A	VAND	29.7	-	0.0%	0.4	1.3%
5070690557A	VAND	9.2	0.1	0.6%	0.1	0.6%
5070690632A	VAND	21.1	0.0	0.1%	0.3	1.4%
5070700542A	VAND	55.2	0.2	0.3%	0.2	0.4%
5070700554A	VAND	3.0	0.0	0.5%	0.0	1.1%
5070713668A	SLPC	12.7	-	0.0%	0.0	0.0%
5070720774A	SLPC	108.1	0.0	0.0%	0.0	0.0%
5070721169A	SLPC	3.5	0.0	0.0%	0.0	0.0%
5070721356A	SLPC	6.7	-	0.0%	0.2	3.3%



Opening Number	Operator	Block Area	Yield Class Override		Age Override	
			Area	Percent of Block	Age Override Area	
5070721385A	SLPC	35.0	1.6	4.6%	1.6	4.6%
5070721444A	SLPC	29.4	0.6	2.2%	0.6	2.2%
5070721463A	SLPC	9.9	0.8	8.3%	0.8	8.3%
5070723592A	SLPC	10.7	0.0	0.3%	0.0	0.3%
5070723634A	APLY	11.5	-	0.0%	0.0	0.2%
5070730125A	APLY	7.2	-	0.0%	0.0	0.0%
5070731067A	APLY	2.0	-	0.0%	0.1	3.6%
5070731580A	APLY	3.9	-	0.0%	0.0	0.4%
5080681998A	APLY	2.0	0.1	7.2%	0.2	11.2%
5080682065A	APLY	23.9	2.0	8.3%	2.0	8.3%
5080682067A	APLY	3.5	0.3	7.1%	0.3	7.1%
5080682923A	APLY	18.2	2.2	11.9%	2.2	11.9%
5080682939A	APLY	11.3	-	0.0%	0.0	0.2%
5080683043A	APLY	4.5	0.1	2.8%	0.1	2.8%
5080683059A	APLY	6.3	0.1	2.3%	0.3	5.0%
5080683231A	APLY	7.4	0.0	0.2%	0.1	0.7%
5080683345A	APLY	18.9	0.2	1.2%	0.2	1.2%
5080683637A	VAND	6.2	0.4	6.7%	0.4	6.7%
5080690557A	VAND	2.3	0.1	3.7%	0.1	3.7%
5080690558A	VAND	25.9	-	0.0%	0.5	1.8%
5080690562A	VAND	288.4	0.0	0.0%	0.0	0.0%
5080690563A	VAND	71.8	0.8	1.1%	2.8	3.8%
5080692709A	SLPC	7.0	-	0.0%	0.3	4.7%
5080692737A	SLPC	5.3	-	0.0%	0.0	0.0%
5080692757A	SLPC	21.0	-	0.0%	0.0	0.0%
5080692788A	SLPC	49.0	0.2	0.4%	0.2	0.4%
5080692827A	SLPC	10.3	-	0.0%	1.1	10.5%
5080692848A	SLPC	12.3	-	0.0%	0.3	2.6%
5080692878A	SLPC	19.1	0.0	0.2%	0.5	2.7%
5080692894A	SLPC	13.9	-	0.0%	1.3	9.3%
5080692908A	SLPC	5.9	-	0.0%	0.1	1.1%
5080692997A	SLPC	11.8	-	0.0%	0.0	0.1%
5080693016A	SLPC	5.4	-	0.0%	0.0	0.0%
5080693027A	SLPC	2.4	-	0.0%	0.1	3.6%
5080693049A	SLPC	2.6	-	0.0%	0.0	1.4%
5080693079A	SLPC	6.0	-	0.0%	0.2	2.9%
5080693116A	SLPC	17.3	-	0.0%	0.2	1.3%
5080693121A	SLPC	4.6	-	0.0%	0.0	0.6%
5080693135A	SLPC	7.0	-	0.0%	0.4	5.4%
5080693161A	SLPC	8.1	-	0.0%	0.1	1.4%
5080693180A	SLPC	2.4	-	0.0%	0.1	3.3%
5080693184A	SLPC	13.4	-	0.0%	0.5	3.7%
5080693189A	SLPC	5.3	-	0.0%	0.1	2.8%
5080693264A	SLPC	4.5	-	0.0%	0.1	2.6%
5080693266A	SLPC	4.1	-	0.0%	0.2	5.6%
5080693284A	SLPC	12.7	-	0.0%	0.4	3.5%
5080693296A	SLPC	5.8	-	0.0%	0.2	3.8%

Opening Number	Operator	Block Area	Yield Class Override		Age Override	
			Area	Percent of Block	Age Override Area	
5080693313A	SLPC	13.8	-	0.0%	0.9	6.6%
5080693316A	SLPC	2.9	-	0.0%	0.0	0.0%
5080693334A	SLPC	16.7	-	0.0%	0.2	1.0%
5080693358A	SLPC	20.4	-	0.0%	0.2	0.8%
5080693374A	SLPC	12.3	0.7	5.3%	0.7	5.3%
5080693399A	SLPC	17.5	0.3	1.6%	0.3	1.6%
5080693423A	SLPC	20.9	-	0.0%	0.7	3.6%
5080693452A	SLPC	5.7	0.2	3.4%	0.2	3.8%
5080700414A	SLPC	5.5	-	0.0%	0.1	2.3%
5080700437A	SLPC	25.7	-	0.0%	0.7	2.7%
5080700439A	SLPC	6.3	-	0.0%	0.1	2.4%
5080700513A	VAND	1.7	-	0.0%	0.2	12.2%
5080700515A	VAND	25.7	-	0.0%	0.7	2.6%
5080700516A	SLPC	5.6	-	0.0%	0.1	2.4%
5080700518A	VAND	7.9	-	0.0%	0.2	2.3%
5080700519A	VAND	10.2	-	0.0%	2.3	22.4%
5080700520A	VAND	4.6	-	0.0%	0.1	2.4%
5080700521A	VAND	1.0	-	0.0%	0.1	9.8%
5080700523A	SLPC	4.7	0.0	0.1%	0.0	0.3%
5080700558A	SLPC	56.1	-	0.0%	0.1	0.2%
5080700562A	VAND	77.1	-	0.0%	0.2	0.3%
5080700563A	VAND	26.2	-	0.0%	0.2	0.7%
5080700592A	SLPC	113.5	-	0.0%	4.8	4.3%
5080700612A	SLPC	10.1	-	0.0%	0.1	0.7%
5080700673A	SLPC	26.1	-	0.0%	0.8	3.1%
5080700681A	SLPC	4.1	-	0.0%	0.0	0.8%
5080700834A	SLPC	12.8	-	0.0%	0.0	0.0%
5080700837A	SLPC	1.4	-	0.0%	0.2	12.6%
5080700867A	SLPC	35.2	-	0.0%	1.6	4.6%
5080700870A	SLPC	5.0	-	0.0%	0.0	0.6%
5080700933A	SLPC	46.0	-	0.0%	0.4	0.9%
5080701619A	SLPC	15.6	-	0.0%	0.1	0.4%
5080701626A	SLPC	10.3	-	0.0%	0.4	3.5%
5080701659A	SLPC	5.6	-	0.0%	0.1	1.9%
5080701676A	SLPC	5.0	-	0.0%	0.2	3.7%
5080701743A	SLPC	25.0	-	0.0%	1.2	4.7%
5080701774A	SLPC	4.9	-	0.0%	0.1	2.9%
5080701783A	SLPC	8.9	-	0.0%	0.3	3.5%
5080701822A	SLPC	34.8	-	0.0%	0.8	2.3%
5080710979A	SLPC	34.7	1.2	3.6%	1.3	3.7%
5080711019A	SLPC	27.1	0.5	1.7%	3.7	13.7%
5080711676A	SLPC	44.2	0.2	0.6%	0.2	0.6%
5080721317A	APLY	2.9	-	0.0%	0.1	3.6%
5080721319A	APLY	9.7	-	0.0%	0.7	7.5%
5080721325A	APLY	1.1	-	0.0%	0.0	1.8%
5080721347A	APLY	1.6	-	0.0%	0.2	12.6%
5080722402A	APLY	2.4	-	0.0%	0.0	0.9%

Opening Number	Operator	Block Area	Yield Class Override		Age Override	
			Area	Percent of Block	Age Override Area	
5080722403A	APLY	2.6	-	0.0%	0.0	0.1%
5080722542A	APLY	12.2	-	0.0%	0.4	3.5%
5080723465A	SLPC	2.7	-	0.0%	0.1	2.5%
5090673129	WEST	12.8	0.0	0.0%	0.0	0.0%
5090680249A	SLPC	31.5	-	0.0%	0.0	0.1%
5090680618	WEST	89.0	1.0	1.2%	1.0	1.2%
5090680664	WEST	23.3	0.0	0.0%	0.0	0.0%
5090680686	WEST	6.3	0.0	0.0%	0.0	0.0%
5090680761	WEST	9.1	0.0	0.0%	0.0	0.0%
5090680824	WEST	6.5	0.0	0.0%	0.0	0.1%
5090681247A	SLPC	23.0	0.4	1.8%	0.4	1.8%
5090681269A	SLPC	15.4	-	0.0%	0.0	0.3%
5090681825	WEST	37.4	-	0.0%	0.0	0.0%
5090681830	WEST	10.3	0.0	0.0%	0.0	0.0%
5090681890	WEST	2.1	0.0	0.0%	0.0	0.0%
5090682387A	SLPC	3.5	0.2	4.5%	0.3	9.9%
5090682589A	APLY	2.0	0.1	6.2%	0.1	6.2%
5090682735A	SLPC	0.5	0.1	23.8%	0.1	23.8%
5090690997A	APLY	23.1	0.5	2.4%	0.5	2.4%
5090691876A	SLPC	0.4	-	0.0%	0.4	98.9%
5090692597A	SLPC	11.4	-	0.0%	0.1	0.7%
5090692787A	SLPC	7.1	0.0	0.0%	0.0	0.0%
5090693588A	SLPC	10.4	-	0.0%	0.0	0.2%
5090693678A	SLPC	16.6	-	0.0%	0.2	1.0%
5090700111A	SLPC	11.4	-	0.0%	0.0	0.2%
5090700373A	SLPC	19.1	-	0.0%	0.0	0.2%
5090701225A	SLPC	6.5	-	0.0%	0.2	3.2%
5090701587A	SLPC	26.3	-	0.0%	11.6	44.2%
5090712584A	SLPC	33.3	1.9	5.6%	1.9	5.6%
5100671608	WEST	4.2	0.2	5.1%	0.2	5.1%
5100671719	WEST	8.6	-	0.0%	0.0	0.0%
5100671768	WEST	8.8	0.0	0.0%	0.0	0.0%
5100671908	WEST	30.5	0.0	0.0%	0.0	0.0%
5100671930	WEST	0.6	-	0.0%	0.0	0.1%
5100671932	WEST	6.4	0.0	0.0%	0.0	0.0%
5100671938	WEST	5.0	0.0	0.0%	0.0	0.0%
5100671943	WEST	3.5	0.0	0.0%	0.0	0.0%
5100671945	WEST	4.6	0.0	0.0%	0.0	0.0%
5100671947	WEST	6.2	0.0	0.2%	0.0	0.2%
5100671985	WEST	18.8	0.0	0.0%	0.0	0.0%
5100672003	WEST	5.5	0.1	1.5%	0.1	1.5%
5100672029	WEST	69.8	0.0	0.0%	0.0	0.1%
5100672034	WEST	2.5	0.0	0.0%	0.0	0.0%
5100672040	WEST	10.2	0.0	0.0%	0.0	0.0%
5100672042	WEST	10.7	0.0	0.0%	0.0	0.0%
5100672069	WEST	6.1	0.0	0.0%	0.0	0.0%
5100672081	WEST	52.1	0.0	0.0%	0.0	0.0%

Opening Number	Operator	Block Area	Yield Class Override		Age Override	
			Area	Percent of Block	Age Override Area	
5100672151	WEST	11.0	1.0	8.7%	1.0	8.7%
5100672173	WEST	4.0	0.3	7.4%	0.3	7.4%
5100672178	WEST	7.0	0.7	10.2%	0.7	10.2%
5100672206	WEST	43.6	1.3	3.1%	1.3	3.1%
5100672603	WEST	10.1	1.5	15.3%	1.5	15.3%
5100672605	WEST	8.9	0.8	8.5%	0.8	8.5%
5100672623	WEST	12.9	0.2	1.5%	0.2	1.5%
5100672646	WEST	7.1	0.3	4.0%	0.3	4.2%
5100672719	WEST	7.5	0.1	1.2%	0.1	1.2%
5100672735	WEST	50.5	1.0	2.0%	1.0	2.0%
5100672763	WEST	9.2	0.2	2.6%	0.2	2.6%
5100672803	WEST	15.9	0.0	0.0%	0.0	0.0%
5100672818	WEST	18.7	0.0	0.0%	0.0	0.0%
5100672836	WEST	14.1	0.7	5.1%	0.7	5.1%
5100672851	WEST	45.0	3.2	7.0%	3.2	7.0%
5100672867	WEST	9.1	0.4	4.4%	0.4	4.4%
5100672932	WEST	4.8	0.7	15.3%	0.7	15.3%
5100672986	WEST	20.1	0.1	0.7%	0.1	0.7%
5100673000	WEST	6.7	0.0	0.1%	0.0	0.1%
5100673034	WEST	6.9	0.0	0.0%	0.0	0.0%
5100673042	WEST	6.8	0.0	0.0%	0.0	0.0%
5100673064	WEST	17.9	0.0	0.0%	0.0	0.0%
5100673123	WEST	13.1	0.0	0.0%	0.1	0.6%
5100673188	WEST	23.2	0.1	0.4%	0.1	0.4%
5100673213	WEST	8.4	0.0	0.0%	0.0	0.0%
5100673239	WEST	65.9	2.8	4.2%	2.8	4.2%
5100673253	WEST	66.5	0.0	0.0%	0.0	0.0%
5100673267	WEST	12.4	1.5	12.2%	1.5	12.2%
5100673315	WEST	6.4	0.0	0.0%	0.0	0.0%
5100673347	WEST	24.9	0.0	0.0%	0.0	0.0%
5100673351	WEST	21.8	0.7	3.1%	0.7	3.1%
5100673441	WEST	17.8	0.2	1.3%	0.2	1.3%
5100673492	WEST	15.3	0.0	0.2%	0.0	0.2%
5100673517	WEST	6.7	0.0	0.0%	0.0	0.0%
5100673521	WEST	5.4	0.4	7.0%	0.4	7.0%
5100673535	WEST	4.6	0.0	0.0%	0.0	0.0%
5100673576	WEST	3.4	0.0	0.1%	0.0	0.1%
5100673610	WEST	4.8	0.0	0.0%	0.0	0.0%
5100673616	WEST	28.8	0.0	0.0%	0.0	0.0%
5100673623	WEST	26.2	0.0	0.1%	0.0	0.1%
5100680109	WEST	31.2	0.1	0.4%	0.1	0.4%
5100680141	WEST	11.3	0.0	0.0%	0.0	0.0%
5100680236	WEST	88.3	0.0	0.0%	0.0	0.0%
5100680239	WEST	22.6	0.0	0.0%	0.0	0.0%
5100680334	WEST	254.6	0.0	0.0%	0.0	0.0%
5100680412	WEST	11.3	0.1	0.6%	0.1	0.6%
5100680428	WEST	26.3	0.3	1.2%	0.3	1.2%

Opening Number	Operator	Block Area	Yield Class Override		Age Override	
			Area	Percent of Block	Age Override Area	
5100680458	WEST	34.7	0.0	0.0%	0.0	0.0%
5100680539	WEST	12.9	0.0	0.0%	0.0	0.0%
5100680545	WEST	21.5	0.0	0.0%	0.0	0.0%
5100680553	WEST	59.0	0.0	0.0%	0.0	0.0%
5100681117	WEST	80.0	0.0	0.0%	0.0	0.0%
5100681170	WEST	7.2	0.0	0.0%	0.0	0.0%
5100681207	WEST	123.5	0.0	0.0%	0.0	0.0%
5100681284	WEST	40.6	0.0	0.0%	0.0	0.0%
5100681299	WEST	17.9	-	0.0%	0.0	0.0%
5100681307	WEST	42.5	-	0.0%	0.0	0.0%
5100681351	WEST	10.4	0.0	0.0%	0.0	0.0%
5100681433	WEST	5.8	0.0	0.0%	0.0	0.0%
5100681513	VAND	28.0	0.5	1.7%	0.5	1.7%
5100681590	WEST	18.3	0.0	0.0%	0.2	1.0%
5100681609A	VAND	10.4	0.3	2.5%	0.3	2.5%
5100681633	VAND	99.9	1.8	1.8%	1.8	1.8%
5100681677A	VAND	65.5	0.2	0.3%	0.2	0.3%
5100681682	VAND	32.4	0.6	1.7%	0.7	2.2%
5100681792	VAND	42.3	0.6	1.3%	0.6	1.3%
5100682242A	VAND	19.2	0.1	0.5%	0.1	0.5%
5100682307A	VAND	60.7	0.2	0.2%	0.2	0.3%
5100682364A	VAND	53.4	0.1	0.1%	0.5	0.8%
5100682388	VAND	55.2	0.6	1.1%	1.6	2.8%
5100682630	VAND	35.8	0.4	1.1%	0.4	1.1%
5100682760	VAND	30.5	0.8	2.7%	0.8	2.7%
5100700486A	SLPC	20.5	-	0.0%	0.7	3.3%
5100701315A	SLPC	12.1	-	0.0%	0.1	1.0%
5100701354A	SLPC	13.9	-	0.0%	0.0	0.1%
5100702555A	SLPC	18.1	0.0	0.2%	1.2	6.7%
5100702860A	SLPC	38.5	0.0	0.0%	0.0	0.1%
5100703596A	SLPC	20.0	-	0.0%	1.2	5.9%
5100710251A	SLPC	53.2	-	0.0%	1.3	2.5%
5100710339A	SLPC	9.5	-	0.0%	0.7	7.7%
5110663258	WEST	21.7	0.0	0.0%	0.0	0.0%
5110663328	WEST	14.0	0.0	0.0%	0.0	0.0%
5110663338	WEST	71.1	-	0.0%	0.0	0.0%
5110663418	WEST	19.7	-	0.0%	0.0	0.0%
5110670104	WEST	50.0	-	0.0%	0.1	0.2%
5110670131	WEST	16.0	0.0	0.0%	0.0	0.0%
5110670199	WEST	92.1	0.7	0.7%	1.2	1.3%
5110670227	WEST	20.8	-	0.0%	0.1	0.4%
5110670230	WEST	50.9	0.9	1.8%	2.0	3.8%
5110670473	WEST	9.9	-	0.0%	0.0	0.0%
5110671153	WEST	21.8	-	0.0%	0.0	0.1%
5110671170	WEST	27.6	-	0.0%	3.9	13.9%
5110671187	WEST	41.6	-	0.0%	0.4	1.0%
5110671470	WEST	21.6	0.0	0.0%	0.0	0.0%

Opening Number	Operator	Block Area	Yield Class Override		Age Override	
			Area	Percent of Block	Age Override Area	
5110672427	WEST	1.5	-	0.0%	0.0	0.0%
5110672528	WEST	4.7	0.0	0.0%	0.0	0.1%
5110673558	WEST	43.4	0.0	0.0%	0.2	0.4%
5110673571	WEST	15.8	0.0	0.0%	0.0	0.3%
5110673677	WEST	4.3	0.0	0.4%	0.0	0.4%
5110680151	WEST	51.9	0.0	0.0%	0.0	0.0%
5110680361	WEST	26.9	-	0.0%	0.1	0.5%
5120702776A	SLPC	11.6	0.1	0.6%	0.4	3.5%
5120710614A	SLPC	6.2	-	0.0%	0.0	0.0%
5120710894A	SLPC	3.2	-	0.0%	0.0	0.0%
5120711340A	SLPC	33.4	-	0.0%	0.0	0.0%
5120711813A	SLPC	9.2	-	0.0%	0.0	0.0%
5120712340A	SLPC	0.7	-	0.0%	0.0	0.0%
5130670262A	SLPC	50.8	0.3	0.5%	0.3	0.7%
5130673158A	SLPC	40.6	-	0.0%	0.1	0.3%
5130673249A	SLPC	44.0	-	0.0%	0.2	0.4%
5130673523A	SLPC	23.7	0.0	0.0%	0.0	0.0%
5130680673A	SLPC	8.4	-	0.0%	0.0	0.0%
5130681778A	SLPC	10.5	-	0.0%	0.0	0.0%
5130682455A	SLPC	2.9	-	0.0%	0.1	2.3%
5130690204A	SLPC	2.4	-	0.0%	0.5	21.5%
5130691083A	SLPC	12.3	-	0.0%	0.1	1.1%
5130692227A	SLPC	6.9	-	0.0%	0.1	1.7%
5130692248A	SLPC	0.2	-	0.0%	0.0	14.1%
5130692267A	SLPC	5.2	-	0.0%	0.2	2.9%
5130692788A	SLPC	31.4	-	0.0%	1.5	4.9%
5130693339A	SLPC	16.4	-	0.0%	0.8	4.8%
5130693510A	SLPC	38.5	-	0.0%	1.1	2.7%
5130693523A	SLPC	3.0	-	0.0%	0.2	8.0%
5130693559A	SLPC	30.7	-	0.0%	1.3	4.1%
5130701004A	SLPC	6.0	0.0	0.0%	0.0	0.0%
5130701423A	SLPC	3.2	-	0.0%	0.0	0.1%
5130701719A	SLPC	18.8	-	0.0%	0.0	0.1%
5130701736A	SLPC	0.1	-	0.0%	0.0	0.9%
5130703176A	SLPC	3.7	-	0.0%	0.0	0.0%
5130711216A	SLPC	42.8	-	0.0%	0.1	0.3%
5130722758A	SLPC	7.5	0.1	2.0%	0.1	2.0%
5140663592B	APLY	0.7	0.0	2.1%	0.0	2.1%
5140672064A	SLPC	1.6	0.0	2.2%	0.0	2.2%
5140672084A	SLPC	0.8	0.0	1.9%	0.1	10.2%
5140672814A	SLPC	2.2	0.1	2.8%	0.1	2.8%
5140673047A	SLPC	1.3	-	0.0%	0.0	0.1%
5140673081A	SLPC	2.8	0.1	2.7%	0.1	2.7%
5140673145A	SLPC	27.5	0.0	0.0%	0.0	0.0%
5140673237A	SLPC	77.3	0.0	0.0%	0.0	0.0%
5140680659A	SLPC	109.3	-	0.0%	2.6	2.3%
5140680756A	SLPC	18.0	-	0.0%	0.0	0.0%



Opening Number	Operator	Block Area	Yield Class Override		Age Override	
			Area	Percent of Block	Age Override Area	
5140681506A	SLPC	124.7	0.0	0.0%	0.5	0.4%
5140681684A	APLY	21.2	-	0.0%	0.0	0.0%
5140681722A	SLPC	3.6	-	0.0%	0.0	0.1%
5140681882A	SLPC	5.4	-	0.0%	0.1	2.1%
5140682121A	APLY	22.5	-	0.0%	0.3	1.4%
5140682154A	SLPC	6.1	-	0.0%	0.1	1.5%
5140682157A	SLPC	29.3	-	0.0%	1.2	4.1%
5140682163A	APLY	34.4	-	0.0%	0.2	0.6%
5140682174A	SLPC	19.0	-	0.0%	1.6	8.2%
5140682198A	SLPC	67.6	0.1	0.2%	0.9	1.3%
5140682285A	SLPC	230.4	0.0	0.0%	0.8	0.4%
5140682733A	SLPC	24.4	-	0.0%	0.4	1.7%
5140683382A	SLPC	49.6	0.0	0.0%	0.0	0.0%
5140692127A	SLPC	4.6	-	0.0%	0.2	4.6%
5140721409A	SLPC	84.6	1.4	1.6%	2.7	3.2%
5140721496A	SLPC	33.8	0.5	1.4%	0.5	1.4%
5140721757A	SLPC	16.2	1.0	6.3%	1.0	6.3%
5140721765A	SLPC	2.6	0.0	0.0%	0.0	0.0%
5140721778A	SLPC	4.1	0.5	11.4%	0.5	11.4%
5140722158A	SLPC	9.5	-	0.0%	0.5	5.6%
5140722213A	SLPC	2.9	0.1	2.3%	0.1	2.3%
5140722360A	SLPC	9.9	-	0.0%	0.2	2.5%
5140722544A	SLPC	93.7	6.8	7.2%	6.8	7.2%
5140722579A	SLPC	22.9	-	0.0%	0.0	0.2%
5140722611A	SLPC	149.1	-	0.0%	2.3	1.5%
5140722669A	SLPC	48.6	0.0	0.0%	0.8	1.7%
5140722710A	SLPC	84.6	2.3	2.7%	3.6	4.2%
5140722726A	SLPC	7.9	-	0.0%	0.2	2.8%
5140722754A	SLPC	47.4	0.9	1.9%	1.1	2.3%
5140723380A	SLPC	1.1	0.0	2.4%	0.0	2.4%
5140723390A	SLPC	2.4	0.1	4.1%	0.1	4.1%
5140723420A	SLPC	32.4	0.7	2.2%	1.4	4.4%
5140723575A	SLPC	8.5	0.1	0.8%	0.1	0.8%
5140730273A	SLPC	11.1	0.2	1.4%	0.2	1.4%
514673573A	SLPC	28.8	0.0	0.0%	0.0	0.0%
5150680422A	BUCH	7.5	-	0.0%	0.0	0.0%
5150680435A	BUCH	9.0	-	0.0%	0.0	0.0%
5150680542A	BUCH	24.5	-	0.0%	0.0	0.0%
5150680748A	BUCH	9.0	-	0.0%	0.0	0.0%
5150680789A	BUCH	9.0	-	0.0%	0.2	2.2%
5150681267A	SLPC	135.8	0.2	0.1%	1.6	1.2%
5150681857A	BUCH	6.3	0.0	0.1%	0.3	4.8%
5150681865A	BUCH	3.1	-	0.0%	0.3	11.1%
5150682344A	BUCH	50.0	-	0.0%	0.3	0.6%
5150682672A	BUCH	11.2	-	0.0%	0.0	0.3%

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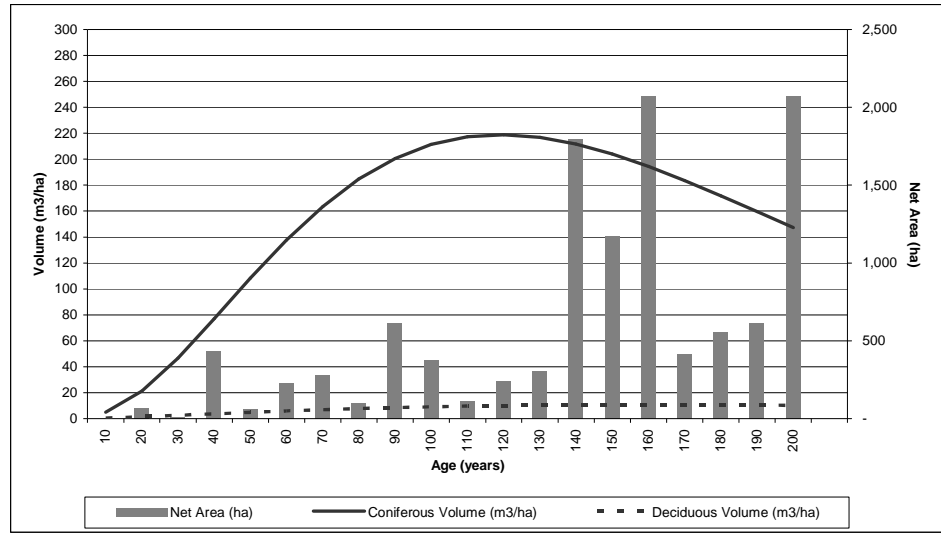
## APPENDIX 5. YIELD RELATIONSHIPS

Yield Class

1 C-SW-10

Total Net Area:

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	4.8	0.48	0.5	0.05	-
20	21.2	1.06	1.4	0.07	69
30	46.7	1.56	2.5	0.08	10
40	76.9	1.92	3.6	0.09	437
50	108.2	2.16	4.8	0.10	64
60	137.7	2.30	5.9	0.10	230
70	163.6	2.34	6.8	0.10	281
80	184.7	2.31	7.7	0.10	98
90	200.6	2.23	8.5	0.09	615
100	211.4	2.11	9.1	0.09	373
110	217.3	1.98	9.6	0.09	110
120	218.9	1.82	10.0	0.08	242
130	216.8	1.67	10.4	0.08	307
140	211.6	1.51	10.6	0.08	1,794
150	203.9	1.36	10.7	0.07	1,172
160	194.4	1.21	10.7	0.07	2,070
170	183.5	1.08	10.7	0.06	412
180	171.8	0.95	10.6	0.06	552
190	159.6	0.84	10.4	0.05	611
200	147.3	0.74	10.2	0.05	2,075

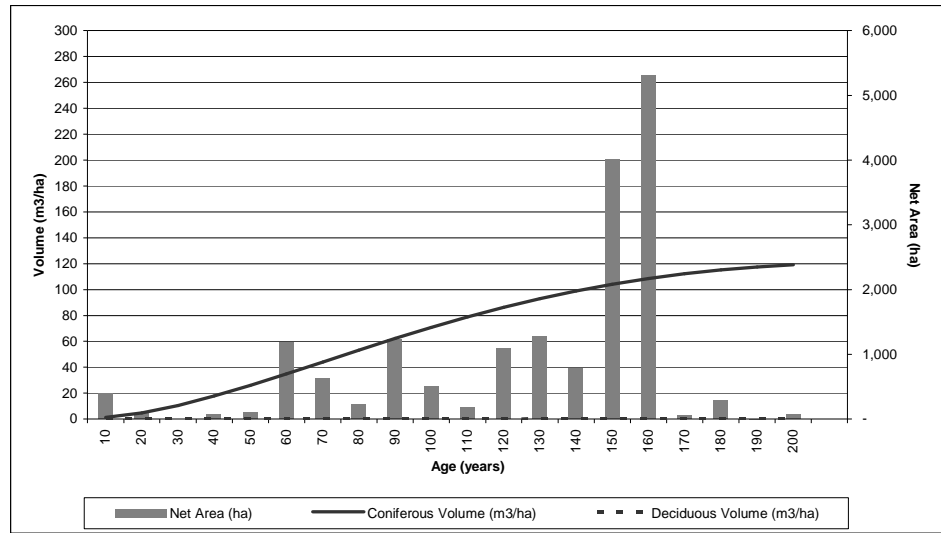


Yield Class

2 C-SB-10

Total Net Area:

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	1.2	0.12	0.0	0.00	397
20	4.9	0.24	0.1	0.00	78
30	10.6	0.35	0.1	0.00	-
40	17.8	0.44	0.1	0.00	77
50	26.0	0.52	0.1	0.00	101
60	34.9	0.58	0.2	0.00	1,185
70	44.1	0.63	0.2	0.00	634
80	53.3	0.67	0.2	0.00	219
90	62.3	0.69	0.2	0.00	1,225
100	70.8	0.71	0.2	0.00	508
110	78.9	0.72	0.2	0.00	179
120	86.3	0.72	0.2	0.00	1,091
130	93.0	0.72	0.2	0.00	1,281
140	99.0	0.71	0.2	0.00	787
150	104.2	0.69	0.3	0.00	4,004
160	108.7	0.68	0.3	0.00	5,296
170	112.3	0.66	0.3	0.00	56
180	115.3	0.64	0.3	0.00	288
190	117.5	0.62	0.3	0.00	5
200	119.1	0.60	0.3	0.00	70



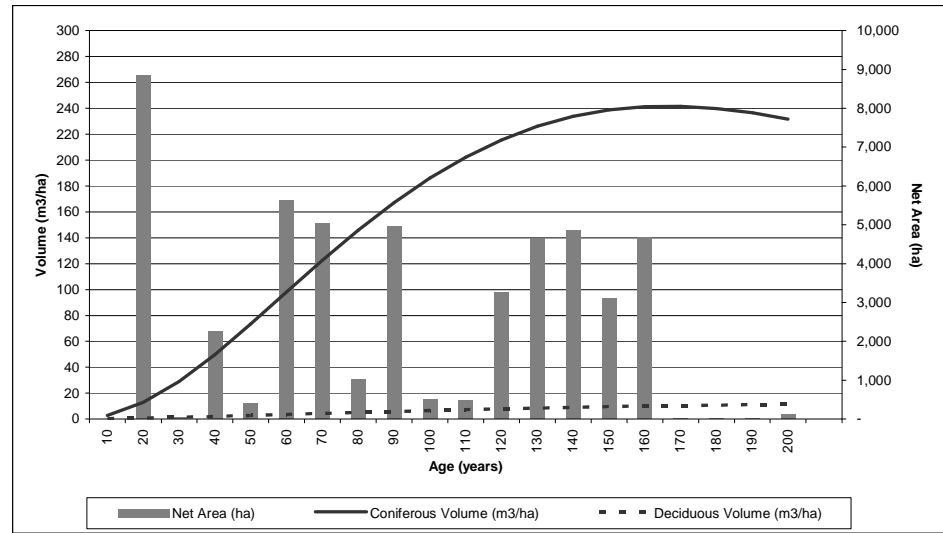
Yield Class

3 C-PL-10

Total Net Area:

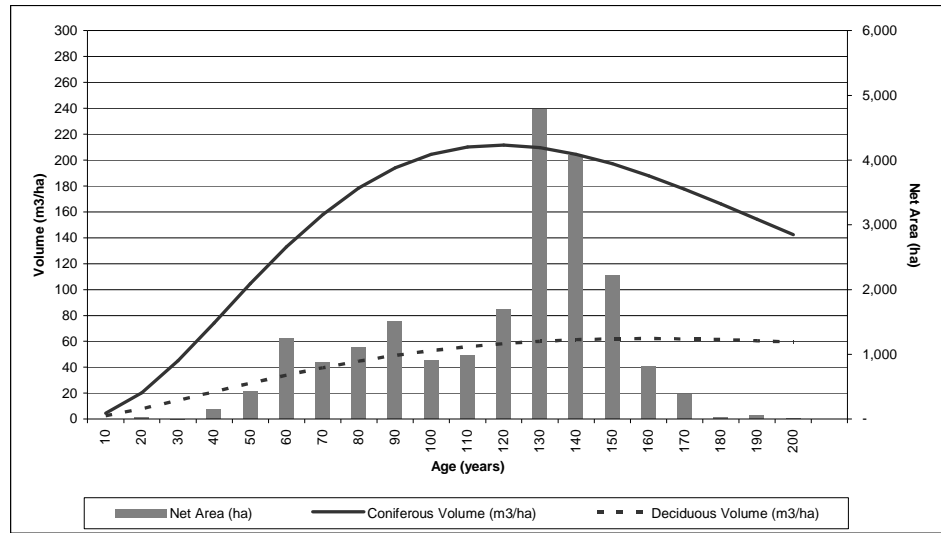
49,944

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	2.9	0.29	0.3	0.03	-
20	12.9	0.64	0.8	0.04	8,855
30	29.1	0.97	1.4	0.05	46
40	49.9	1.25	2.1	0.05	2,267
50	73.5	1.47	2.9	0.06	398
60	98.1	1.64	3.6	0.06	5,630
70	122.6	1.75	4.4	0.06	5,027
80	145.9	1.82	5.2	0.06	1,030
90	167.2	1.86	5.9	0.07	4,967
100	186.1	1.86	6.7	0.07	499
110	202.3	1.84	7.3	0.07	481
120	215.6	1.80	8.0	0.07	3,271
130	226.0	1.74	8.6	0.07	4,662
140	233.7	1.67	9.1	0.07	4,861
150	238.6	1.59	9.6	0.06	3,100
160	241.2	1.51	10.1	0.06	4,664
170	241.5	1.42	10.5	0.06	28
180	239.8	1.33	10.9	0.06	27
190	236.4	1.24	11.2	0.06	9
200	231.5	1.16	11.5	0.06	124



Yield Class                      4 C-SW-MX                      Total Net Area:                      21,322

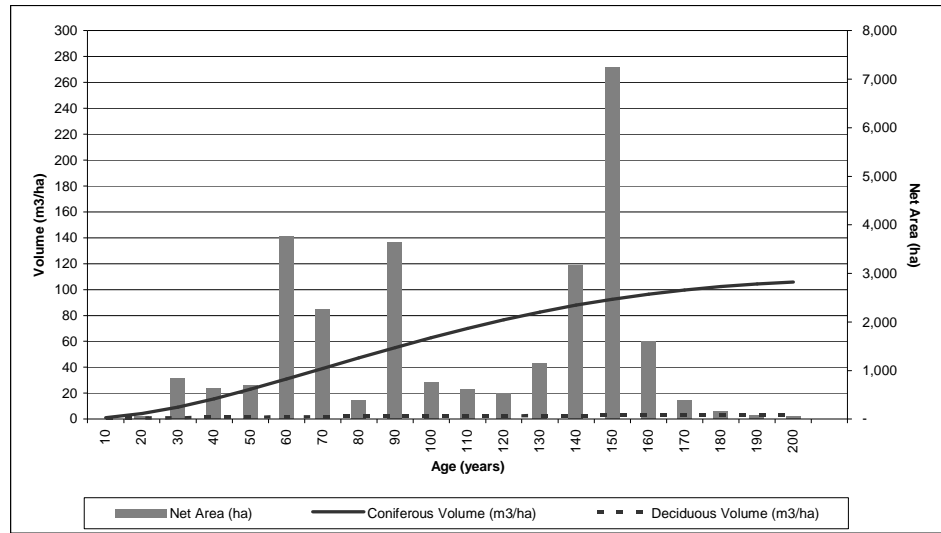
Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	4.6	0.46	2.8	0.28	-
20	20.5	1.03	8.1	0.40	23
30	45.1	1.50	14.4	0.48	4
40	74.4	1.86	21.1	0.53	157
50	104.6	2.09	27.8	0.56	427
60	133.2	2.22	34.0	0.57	1,252
70	158.2	2.26	39.8	0.57	871
80	178.6	2.23	44.8	0.56	1,110
90	194.0	2.16	49.3	0.55	1,515
100	204.4	2.04	53.0	0.53	909
110	210.1	1.91	56.0	0.51	975
120	211.7	1.76	58.4	0.49	1,696
130	209.6	1.61	60.1	0.46	4,786
140	204.6	1.46	61.3	0.44	4,080
150	197.2	1.31	62.0	0.41	2,225
160	187.9	1.17	62.2	0.39	818
170	177.5	1.04	62.0	0.36	377
180	166.1	0.92	61.4	0.34	27
190	154.4	0.81	60.6	0.32	53
200	142.4	0.71	59.4	0.30	17





Yield Class                      5 C-SB-MX                      Total Net Area:                      27,978

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	1.1	0.11	0.4	0.04	-
20	4.3	0.22	0.8	0.04	61
30	9.4	0.31	1.1	0.04	837
40	15.8	0.39	1.4	0.03	632
50	23.1	0.46	1.6	0.03	698
60	31.0	0.52	1.8	0.03	3,763
70	39.2	0.56	2.0	0.03	2,256
80	47.3	0.59	2.1	0.03	391
90	55.3	0.61	2.3	0.03	3,636
100	62.9	0.63	2.4	0.02	752
110	70.1	0.64	2.5	0.02	610
120	76.7	0.64	2.6	0.02	527
130	82.7	0.64	2.7	0.02	1,144
140	88.0	0.63	2.7	0.02	3,174
150	92.6	0.62	2.8	0.02	7,244
160	96.5	0.60	2.8	0.02	1,593
170	99.8	0.59	2.9	0.02	378
180	102.4	0.57	2.9	0.02	151
190	104.4	0.55	2.9	0.02	69
200	105.8	0.53	2.9	0.01	62



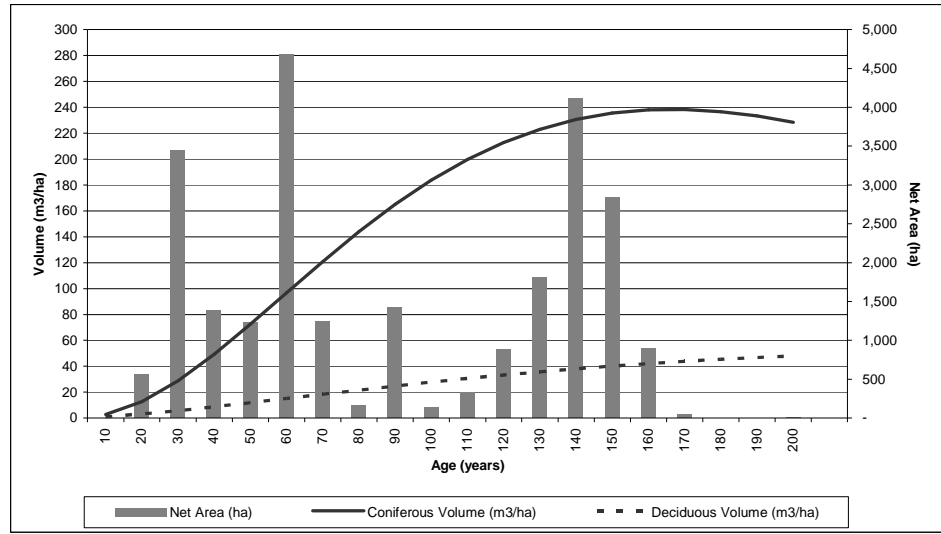
Yield Class

6 C-PL-MX

Total Net Area:

25,192

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	2.8	0.28	1.1	0.11	-
20	12.7	0.63	3.1	0.16	556
30	28.8	0.96	5.8	0.19	3,441
40	49.3	1.23	8.8	0.22	1,385
50	72.5	1.45	11.9	0.24	1,238
60	96.8	1.61	15.2	0.25	4,686
70	121.0	1.73	18.5	0.26	1,248
80	144.0	1.80	21.7	0.27	159
90	165.0	1.83	24.8	0.28	1,418
100	183.7	1.84	27.8	0.28	138
110	199.7	1.82	30.6	0.28	328
120	212.8	1.77	33.3	0.28	887
130	223.1	1.72	35.8	0.28	1,806
140	230.6	1.65	38.1	0.27	4,112
150	235.5	1.57	40.3	0.27	2,837
160	238.0	1.49	42.2	0.26	901
170	238.3	1.40	43.9	0.26	44
180	236.7	1.31	45.5	0.25	-
190	233.3	1.23	46.8	0.25	-
200	228.5	1.14	48.0	0.24	11



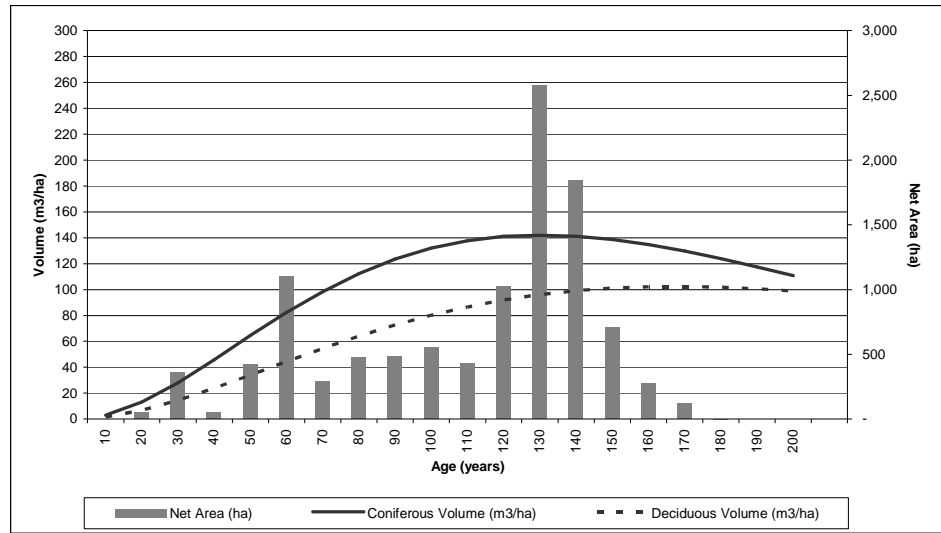
Yield Class

7 CD-AB

Total Net Area:

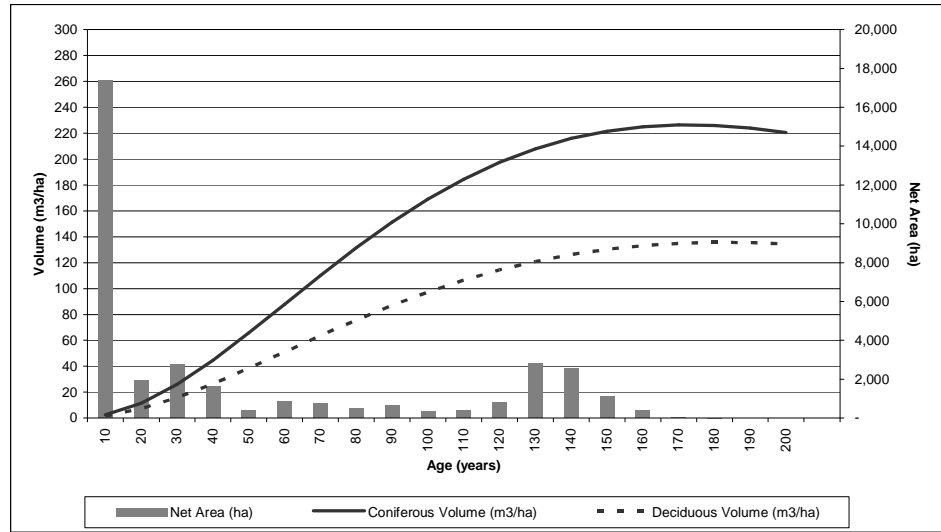
10,759

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	3.1	0.31	1.7	0.17	-
20	13.1	0.66	6.8	0.34	52
30	28.1	0.94	14.5	0.48	360
40	45.9	1.15	23.8	0.60	54
50	64.4	1.29	34.0	0.68	419
60	82.3	1.37	44.4	0.74	1,100
70	98.5	1.41	54.5	0.78	291
80	112.4	1.40	64.0	0.80	473
90	123.6	1.37	72.6	0.81	487
100	132.0	1.32	80.2	0.80	549
110	137.8	1.25	86.6	0.79	426
120	141.1	1.18	91.9	0.77	1,027
130	142.1	1.09	96.1	0.74	2,574
140	141.2	1.01	99.1	0.71	1,844
150	138.7	0.92	101.2	0.67	709
160	134.8	0.84	102.2	0.64	277
170	129.8	0.76	102.4	0.60	117
180	124.0	0.69	101.8	0.57	1
190	117.6	0.62	100.6	0.53	-
200	110.8	0.55	98.8	0.49	-



Yield Class                      8 CD-CD                      Total Net Area:                      35,444

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	2.6	0.26	1.8	0.18	17,402
20	11.5	0.58	7.3	0.36	1,929
30	26.1	0.87	15.8	0.53	2,754
40	44.6	1.12	26.4	0.66	1,659
50	65.7	1.31	38.4	0.77	390
60	87.9	1.47	51.0	0.85	878
70	110.2	1.57	63.5	0.91	749
80	131.5	1.64	75.6	0.95	486
90	151.3	1.68	87.0	0.97	668
100	169.0	1.69	97.3	0.97	353
110	184.5	1.68	106.5	0.97	416
120	197.4	1.65	114.4	0.95	838
130	207.9	1.60	121.0	0.93	2,805
140	215.9	1.54	126.3	0.90	2,552
150	221.6	1.48	130.3	0.87	1,097
160	225.0	1.41	133.2	0.83	427
170	226.4	1.33	135.0	0.79	36
180	225.9	1.26	135.7	0.75	8
190	223.9	1.18	135.5	0.71	-
200	220.4	1.10	134.5	0.67	-



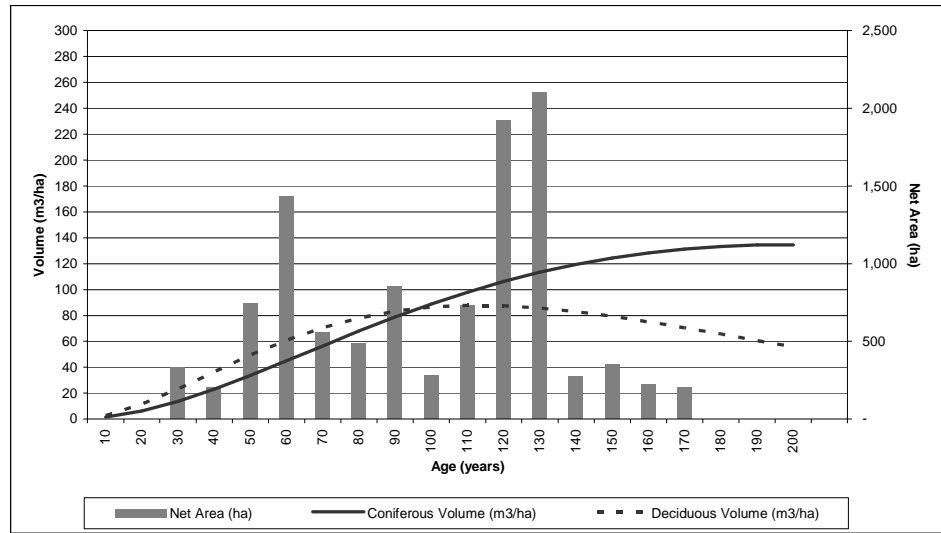
Yield Class

9 DC-AB

Total Net Area:

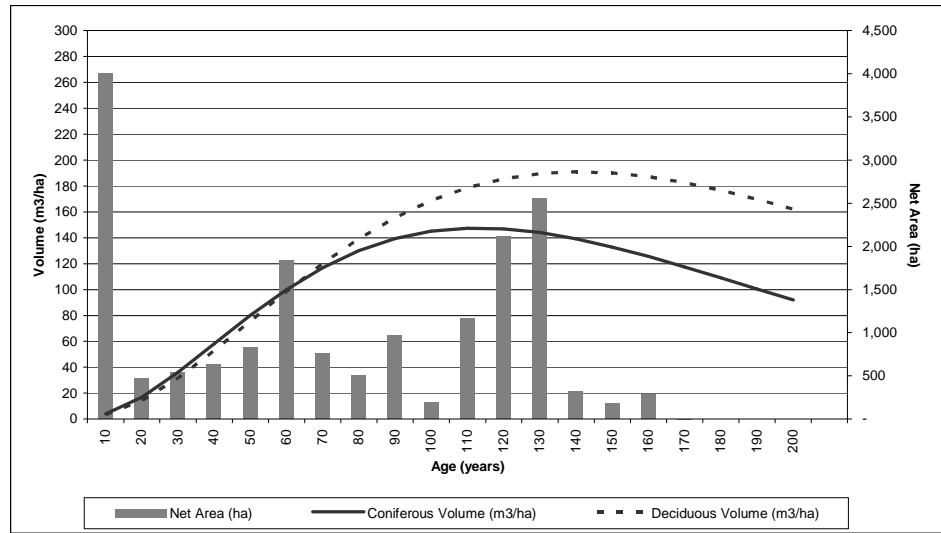
10,699

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	1.5	0.15	2.9	0.29	-
20	6.3	0.32	11.4	0.57	-
30	13.7	0.46	23.3	0.78	333
40	23.1	0.58	36.5	0.91	201
50	33.8	0.68	49.4	0.99	745
60	45.1	0.75	60.9	1.02	1,430
70	56.6	0.81	70.6	1.01	555
80	68.0	0.85	78.1	0.98	490
90	78.8	0.88	83.4	0.93	856
100	88.9	0.89	86.6	0.87	281
110	98.1	0.89	87.8	0.80	734
120	106.3	0.89	87.5	0.73	1,922
130	113.4	0.87	85.8	0.66	2,100
140	119.5	0.85	83.0	0.59	274
150	124.5	0.83	79.4	0.53	351
160	128.4	0.80	75.2	0.47	226
170	131.3	0.77	70.6	0.42	204
180	133.3	0.74	65.7	0.37	-
190	134.4	0.71	60.8	0.32	-
200	134.7	0.67	55.9	0.28	-



Yield Class                      10 DC-CD                      Total Net Area:                      17,350

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	4.1	0.41	3.3	0.33	3,999
20	17.1	0.85	14.4	0.72	476
30	36.2	1.21	31.7	1.06	540
40	58.1	1.45	52.9	1.32	626
50	80.0	1.60	75.8	1.52	824
60	100.0	1.67	98.7	1.64	1,835
70	116.9	1.67	120.1	1.72	765
80	130.1	1.63	139.3	1.74	506
90	139.5	1.55	155.5	1.73	970
100	145.1	1.45	168.7	1.69	195
110	147.5	1.34	178.7	1.62	1,160
120	147.0	1.22	185.6	1.55	2,112
130	144.0	1.11	189.6	1.46	2,554
140	139.2	0.99	191.0	1.36	320
150	132.9	0.89	190.1	1.27	177
160	125.5	0.78	187.2	1.17	289
170	117.5	0.69	182.6	1.07	1
180	109.0	0.61	176.7	0.98	-
190	100.5	0.53	169.8	0.89	-
200	92.0	0.46	162.0	0.81	-





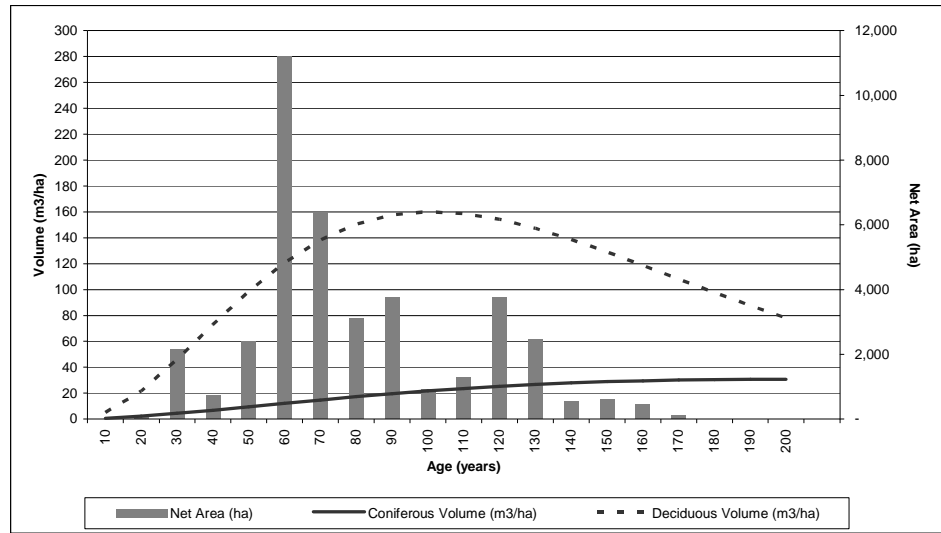
Yield Class

11 D-AB

Total Net Area:

39,982

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	0.7	0.07	5.1	0.51	-
20	2.3	0.11	21.8	1.09	79
30	4.4	0.15	46.0	1.53	2,137
40	6.9	0.17	72.9	1.82	727
50	9.5	0.19	98.7	1.97	2,410
60	12.2	0.20	120.9	2.01	11,209
70	14.8	0.21	138.3	1.98	6,384
80	17.3	0.22	150.5	1.88	3,099
90	19.7	0.22	157.6	1.75	3,754
100	21.8	0.22	160.1	1.60	923
110	23.7	0.22	158.7	1.44	1,289
120	25.3	0.21	154.2	1.29	3,755
130	26.7	0.21	147.3	1.13	2,481
140	27.9	0.20	138.7	0.99	560
150	28.9	0.19	129.0	0.86	599
160	29.6	0.19	118.7	0.74	464
170	30.2	0.18	108.1	0.64	113
180	30.5	0.17	97.7	0.54	-
190	30.7	0.16	87.6	0.46	-
200	30.7	0.15	78.0	0.39	-



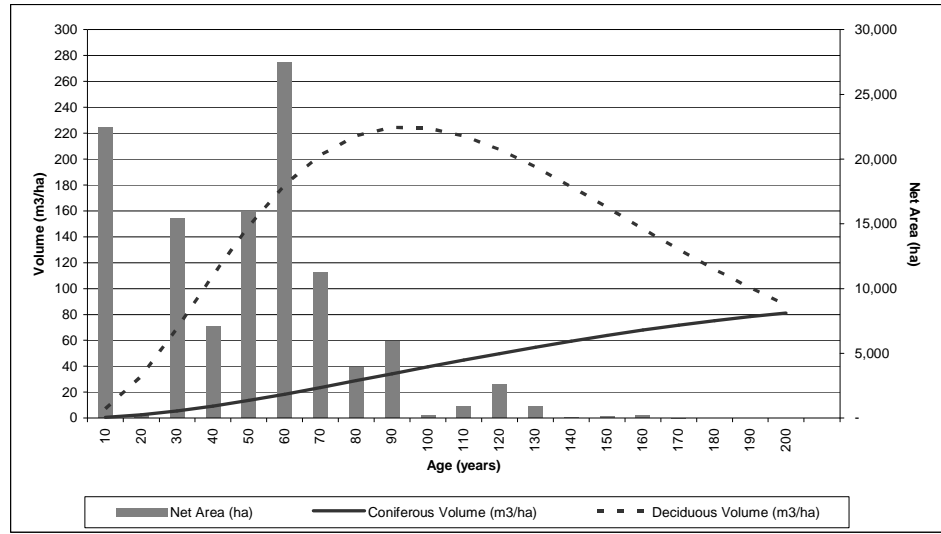
Yield Class

12 D-CD

Total Net Area:

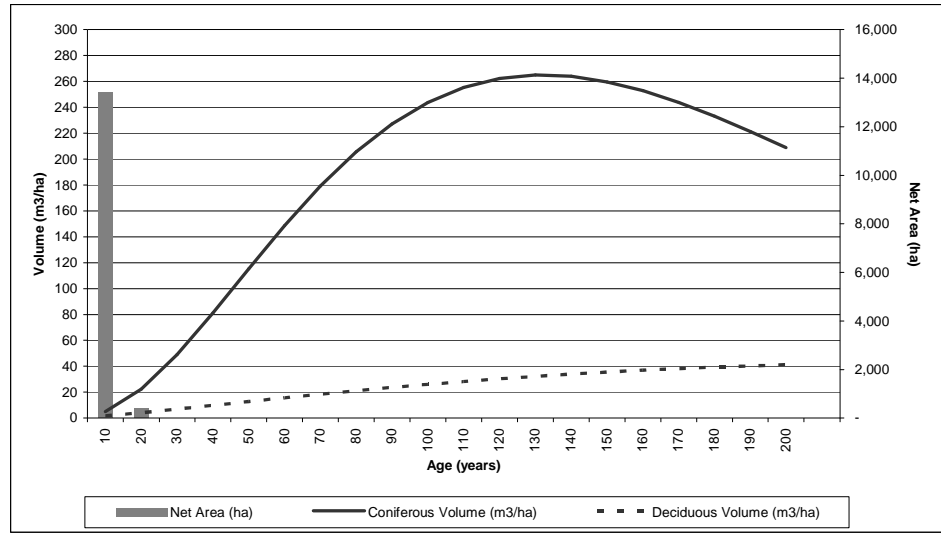
115,016

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	0.7	0.07	7.3	0.73	22,469
20	2.6	0.13	32.4	1.62	309
30	5.6	0.19	69.3	2.31	15,468
40	9.3	0.23	110.1	2.75	7,108
50	13.7	0.27	148.2	2.96	15,922
60	18.5	0.31	179.9	3.00	27,475
70	23.6	0.34	203.3	2.90	11,278
80	28.9	0.36	217.9	2.72	3,892
90	34.3	0.38	224.4	2.49	5,946
100	39.6	0.40	224.0	2.24	235
110	44.8	0.41	217.8	1.98	945
120	49.9	0.42	207.4	1.73	2,644
130	54.8	0.42	194.0	1.49	890
140	59.5	0.42	178.8	1.28	92
150	63.9	0.43	162.6	1.08	112
160	68.0	0.42	146.3	0.91	220
170	71.7	0.42	130.2	0.77	11
180	75.2	0.42	114.9	0.64	-
190	78.3	0.41	100.6	0.53	-
200	81.1	0.41	87.5	0.44	-



Yield Class                      101 C-SW-10-FS                      Total Net Area:                      13,825

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	5.1	0.51	1.7	0.17	13,413
20	22.4	1.12	4.2	0.21	412
30	49.1	1.64	7.0	0.23	-
40	81.3	2.03	9.9	0.25	-
50	115.4	2.31	12.8	0.26	-
60	148.7	2.48	15.7	0.26	-
70	179.2	2.56	18.5	0.26	-
80	205.7	2.57	21.2	0.26	-
90	227.3	2.53	23.7	0.26	-
100	243.8	2.44	26.1	0.26	-
110	255.4	2.32	28.3	0.26	-
120	262.3	2.19	30.4	0.25	-
130	265.0	2.04	32.3	0.25	-
140	263.9	1.88	34.0	0.24	-
150	259.6	1.73	35.6	0.24	-
160	252.8	1.58	37.0	0.23	-
170	243.8	1.43	38.3	0.23	-
180	233.2	1.30	39.4	0.22	-
190	221.4	1.17	40.4	0.21	-
200	208.9	1.04	41.2	0.21	-



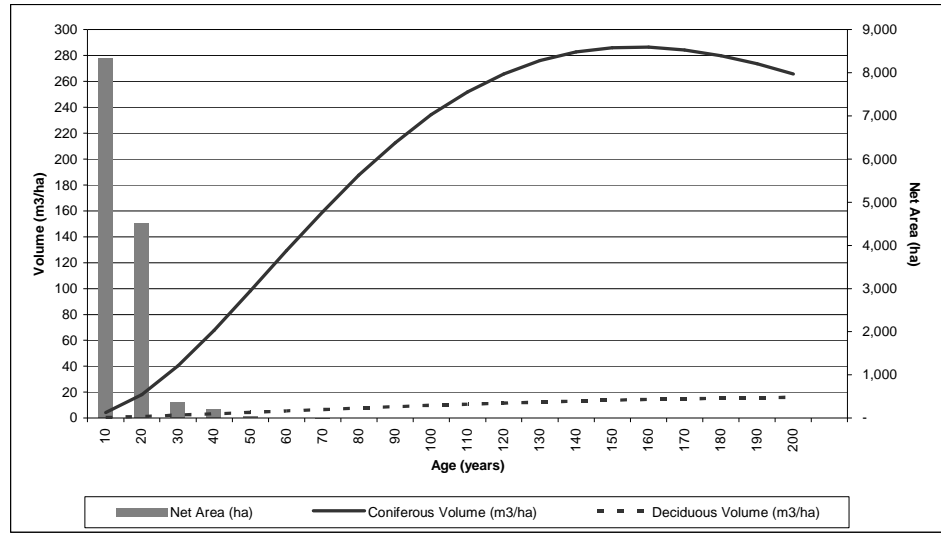
Yield Class

103 C-PL-10-FS

Total Net Area:

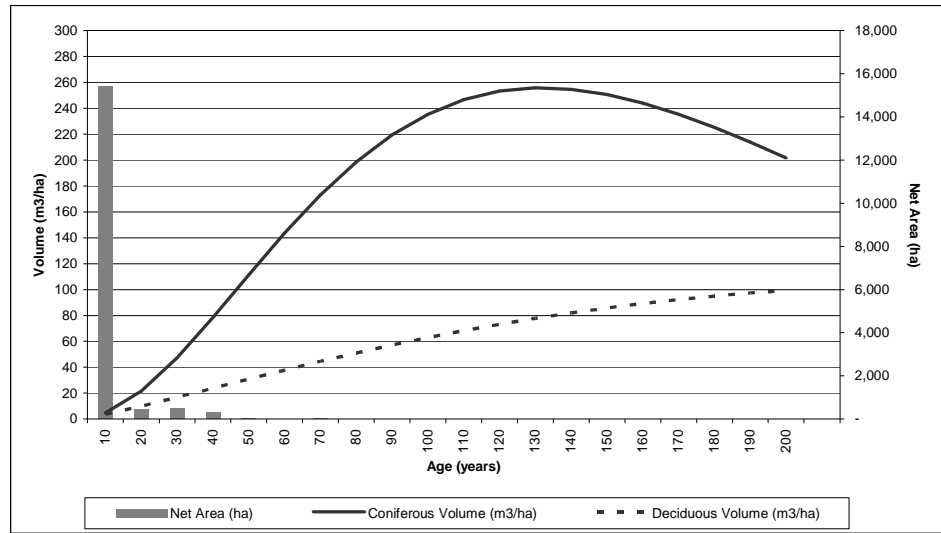
13,485

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	4.2	0.42	0.5	0.05	8,337
20	18.2	0.91	1.3	0.07	4,515
30	40.3	1.34	2.3	0.08	377
40	67.8	1.70	3.4	0.08	201
50	98.2	1.96	4.5	0.09	48
60	129.3	2.16	5.6	0.09	-
70	159.5	2.28	6.8	0.10	7
80	187.6	2.34	7.8	0.10	-
90	212.6	2.36	8.9	0.10	-
100	234.1	2.34	9.8	0.10	-
110	251.9	2.29	10.8	0.10	-
120	265.8	2.21	11.6	0.10	-
130	276.0	2.12	12.4	0.10	-
140	282.6	2.02	13.1	0.09	-
150	286.0	1.91	13.8	0.09	-
160	286.4	1.79	14.4	0.09	-
170	284.3	1.67	14.9	0.09	-
180	279.9	1.55	15.4	0.09	-
190	273.6	1.44	15.8	0.08	-
200	265.7	1.33	16.1	0.08	-



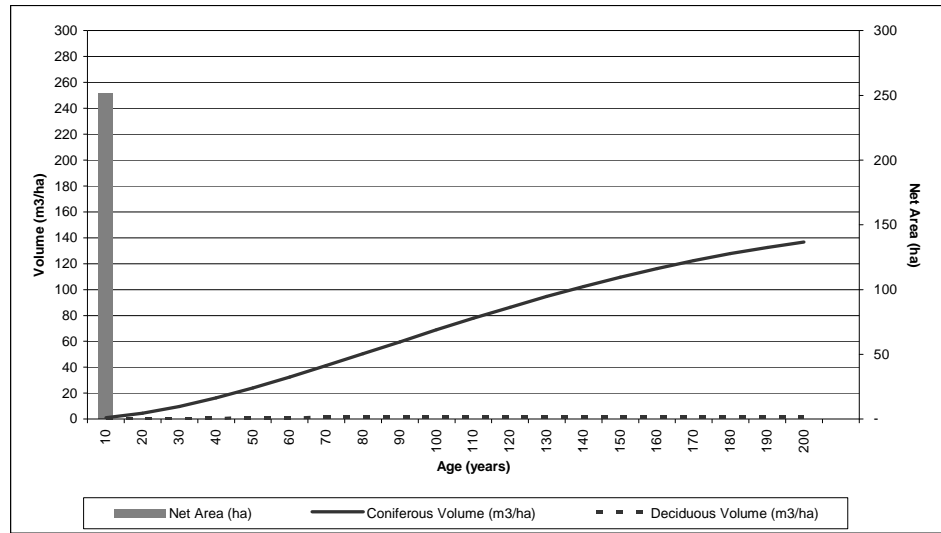
Yield Class                      104 C-SW-MX-FS                      Total Net Area:                      16,688

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	5.0	0.50	4.0	0.40	15,384
20	21.6	1.08	10.1	0.50	451
30	47.4	1.58	16.8	0.56	480
40	78.5	1.96	23.8	0.60	328
50	111.4	2.23	30.9	0.62	26
60	143.6	2.39	37.9	0.63	-
70	173.1	2.47	44.6	0.64	21
80	198.5	2.48	51.0	0.64	-
90	219.4	2.44	57.2	0.64	-
100	235.4	2.35	62.9	0.63	-
110	246.6	2.24	68.3	0.62	-
120	253.2	2.11	73.3	0.61	-
130	255.8	1.97	77.8	0.60	-
140	254.8	1.82	82.0	0.59	-
150	250.7	1.67	85.8	0.57	-
160	244.0	1.53	89.3	0.56	-
170	235.3	1.38	92.3	0.54	-
180	225.1	1.25	95.0	0.53	-
190	213.8	1.13	97.4	0.51	-
200	201.6	1.01	99.4	0.50	-



Yield Class                      105 C-SB-MX-FS                      Total Net Area:                      251

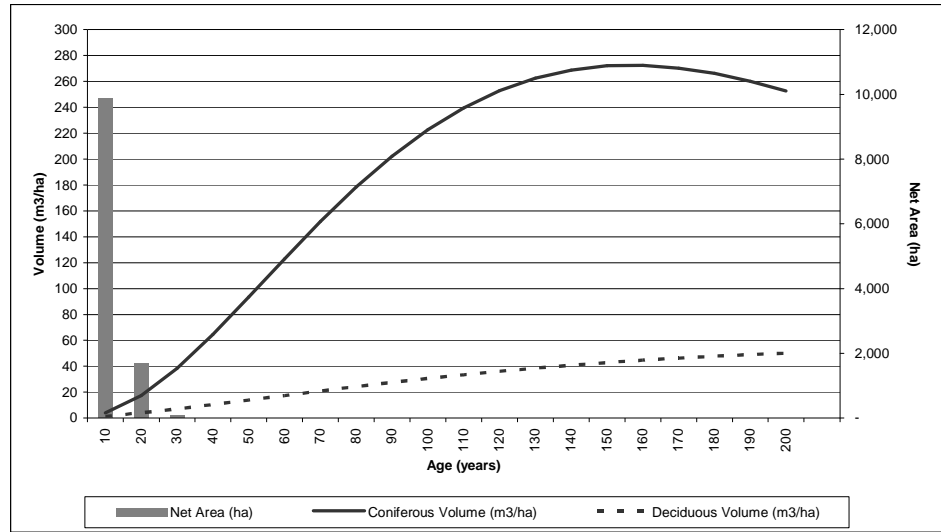
Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	1.2	0.12	0.1	0.01	251
20	4.5	0.23	0.3	0.02	-
30	9.7	0.32	0.5	0.02	-
40	16.3	0.41	0.7	0.02	-
50	23.9	0.48	0.9	0.02	-
60	32.4	0.54	1.1	0.02	-
70	41.3	0.59	1.2	0.02	-
80	50.5	0.63	1.3	0.02	-
90	59.7	0.66	1.4	0.02	-
100	68.9	0.69	1.5	0.02	-
110	77.8	0.71	1.6	0.01	-
120	86.5	0.72	1.7	0.01	-
130	94.7	0.73	1.7	0.01	-
140	102.4	0.73	1.8	0.01	-
150	109.6	0.73	1.8	0.01	-
160	116.2	0.73	1.8	0.01	-
170	122.3	0.72	1.8	0.01	-
180	127.7	0.71	1.8	0.01	-
190	132.6	0.70	1.8	0.01	-
200	136.8	0.68	1.7	0.01	-





Yield Class                      106 C-PL-MX-FS                      Total Net Area:                      11,650

Age	Coniferous Volume (m3/ha)	Coniferous MAI (m3/ha/yr)	Deciduous Volume (m3/ha)	Deciduous MAI (m3/ha/yr)	Net Area (ha)
10	4.0	0.40	1.5	0.15	9,880
20	17.3	0.87	4.1	0.20	1,680
30	38.3	1.28	7.2	0.24	89
40	64.5	1.61	10.5	0.26	-
50	93.4	1.87	14.0	0.28	-
60	123.0	2.05	17.6	0.29	-
70	151.7	2.17	21.0	0.30	1
80	178.4	2.23	24.4	0.30	-
90	202.2	2.25	27.6	0.31	-
100	222.7	2.23	30.6	0.31	-
110	239.6	2.18	33.5	0.30	-
120	252.8	2.11	36.2	0.30	-
130	262.5	2.02	38.6	0.30	-
140	268.8	1.92	40.9	0.29	-
150	272.0	1.81	42.9	0.29	-
160	272.4	1.70	44.8	0.28	-
170	270.4	1.59	46.4	0.27	-
180	266.2	1.48	47.8	0.27	-
190	260.2	1.37	49.1	0.26	-
200	252.7	1.26	50.2	0.25	-



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**APPENDIX 6. LAND BASE DATA DICTIONARY**

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**Land Base Coverage Information:**

- Name: NewLand\_v4
- Number of Records: 633,866
- Software Used: ESRI ArcInfo Version 9.2
- Projection: NAD83 UTM 11
- Tolerance: < 0.00001m

**Information from Update Layer:**

Column	Data Type	Precision	Width	Decimals	Description
AREA	Numeric	8	8	8	Polygon area (m2)
PERIMETER	Numeric	8	8	8	Polygon perimeter (m)
NEWLAND#	Numeric	8	8	0	Internal ID number
NEWLAND-ID	Numeric	8	8	0	Internal ID number
NEWFMU	Text	0	5	0	Reassigned FMU (S20)
OPENINGNUMBER	Text	0	20	0	Block OpeningNumber (historical harvest)
OPERATOR	Text	0	50	0	Operator assigned to Block (historical harvest)
PREBLOCK	Numeric	8	8	0	Planned Block Designation ('Y','N')
DKEY	Text	0	15	0	Land Use Disposition
FIRENUMBER	Text	0	12	0	Fire Number
ISSH	Numeric	8	8	0	Swan Hills Buffer designation (1 = within, 0 = outside)
GBWU	Numeric	8	8	0	Grizzly Bear Wildlife Units (0 234 235 236 238 239 241 243 245 246 249 250 253 )
HABITAT	Text	8	50	0	Grizzly Bear Habitat (Core Secondary None)

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**Information from 2002 Land Base:**

Column	Data Type	Precision	Width	Decimals	Description
GIS_LINK	Numeric	8	8	8	See 2002 Land base Documentation
AREAHA	Numeric	8	8	8	See 2002 Land base Documentation
FMA	Text	0	3	0	See 2002 Land base Documentation
FMU	Text	0	5	0	See 2002 Land base Documentation
INTNAME	Text	0	12	0	See 2002 Land base Documentation
OP_UNIT	Text	0	5	0	See 2002 Land base Documentation
DISTRICT	Text	0	2	0	See 2002 Land base Documentation
UNIT	Numeric	8	8	0	See 2002 Land base Documentation
NS_	Numeric	8	8	0	See 2002 Land base Documentation
NSN	Text	0	25		See 2002 Land base Documentation
GRL	Numeric	8	8	0	See 2002 Land base Documentation
GRL_CODE	Text	0	7		See 2002 Land base Documentation
DRS	Numeric	8	8	0	See 2002 Land base Documentation
DRS_CODE	Text	0	7		See 2002 Land base Documentation
PNT	Numeric	8	8	0	See 2002 Land base Documentation
PNT_CODE	Text	0	7		See 2002 Land base Documentation
NAA	Numeric	8	8	0	See 2002 Land base Documentation
NAA_CODE	Text	0	7		See 2002 Land base Documentation
ERR	Numeric	8	8	0	See 2002 Land base Documentation
ERR_CODE	Text	0	7		See 2002 Land base Documentation
BUF30	Numeric	8	8	0	See 2002 Land base Documentation
BUF60	Numeric	8	8	0	See 2002 Land base Documentation
BUF6M	Numeric	8	8	0	See 2002 Land base Documentation
BUF100	Numeric	8	8	0	See 2002 Land base Documentation
INOP	Numeric	8	8	0	See 2002 Land base Documentation
FISHWILD	Numeric	8	8	0	See 2002 Land base Documentation
ANTHUPD	Text	0	3		See 2002 Land base Documentation

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Column	Data Type	Precision	Width	Decimals	Description
BURNNAME	Text	0	12		See 2002 Land base Documentation
BURN	Numeric	8	8	0	See 2002 Land base Documentation
FIRENUMB	Text	0	12		See 2002 Land base Documentation
FIRE_CLA	Text	0	1		See 2002 Land base Documentation
BURNCODE	Text	0	6		See 2002 Land base Documentation
BURN_CLA	Numeric	8	8	0	See 2002 Land base Documentation
DFMPBLCK	Numeric	8	8	0	See 2002 Land base Documentation
DF_DISP	Text	0	16		See 2002 Land base Documentation
DF_COMM	Text	0	16		See 2002 Land base Documentation
DF_BLOCK	Numeric	8	8	0	See 2002 Land base Documentation
DF_OWNER	Text	0	16		See 2002 Land base Documentation
DFMP_YR	Numeric	8	8	0	See 2002 Land base Documentation
DFMPSGP	Text	0	2		See 2002 Land base Documentation
DFMPSPEC	Text	0	2		See 2002 Land base Documentation
NEWCUT	Text	0	1		See 2002 Land base Documentation
AVI_SPGP	Text	0	2		See 2002 Land base Documentation
AVI_SPEC	Text	0	2		See 2002 Land base Documentation
UPDT9900	Numeric	8	8	0	See 2002 Land base Documentation
PROPBLCK	Numeric	8	8	0	See 2002 Land base Documentation
TRAPPER	Numeric	8	8	0	See 2002 Land base Documentation
WSDNAME	Text	0	25		See 2002 Land base Documentation
WSDNUM	Numeric	8	8	0	See 2002 Land base Documentation
CHSMSALV	Numeric	8	8	0	See 2002 Land base Documentation
CH_BLOCK	Numeric	8	8	0	See 2002 Land base Documentation
EXCLUDE	Numeric	8	8	0	See 2002 Land base Documentation
MER	Numeric	8	8	0	See 2002 Land base Documentation
RGE	Numeric	8	8	0	See 2002 Land base Documentation
TWP	Numeric	8	8	0	See 2002 Land base Documentation
PID	Numeric	8	8	0	See 2002 Land base Documentation

Column	Data Type	Precision	Width	Decimals	Description
ALPHA	Text	0	1		See 2002 Land base Documentation
MOIST	Text	0	1		See 2002 Land base Documentation
CROWN	Text	0	1		See 2002 Land base Documentation
HEIGHT	Numeric	8	8	0	See 2002 Land base Documentation
SP1	Text	0	2		See 2002 Land base Documentation
PER1	Numeric	8	8	0	See 2002 Land base Documentation
SP2	Text	0	2		See 2002 Land base Documentation
PER2	Numeric	8	8	0	See 2002 Land base Documentation
SP3	Text	0	2		See 2002 Land base Documentation
PER3	Numeric	8	8	0	See 2002 Land base Documentation
SP4	Text	0	2		See 2002 Land base Documentation
PER4	Numeric	8	8	0	See 2002 Land base Documentation
SP5	Text	0	2		See 2002 Land base Documentation
PER5	Numeric	8	8	0	See 2002 Land base Documentation
NONFOR	Text	0	3		See 2002 Land base Documentation
STR	Text	0	1		See 2002 Land base Documentation
STRVAL	Numeric	8	8	0	See 2002 Land base Documentation
CANOPY	Numeric	8	8	0	See 2002 Land base Documentation
ORIGIN	Numeric	8	8	0	See 2002 Land base Documentation
TPR	Text	0	1		See 2002 Land base Documentation
TPR_I	Text	0	1		See 2002 Land base Documentation
MOD1	Text	0	2		See 2002 Land base Documentation
EXT1	Numeric	8	8	0	See 2002 Land base Documentation
YEAR1	Numeric	8	8	0	See 2002 Land base Documentation
MOD2	Text	0	2		See 2002 Land base Documentation
EXT2	Numeric	8	8	0	See 2002 Land base Documentation
YEAR2	Numeric	8	8	0	See 2002 Land base Documentation
MOD3	Text	0	2		See 2002 Land base Documentation
EXT3	Numeric	8	8	0	See 2002 Land base Documentation

Column	Data Type	Precision	Width	Decimals	Description
YEAR3	Numeric	8	8	0	See 2002 Land base Documentation
MOD4	Text	0	2		See 2002 Land base Documentation
EXT4	Numeric	8	8	0	See 2002 Land base Documentation
YEAR4	Numeric	8	8	0	See 2002 Land base Documentation
MOD5	Text	0	2		See 2002 Land base Documentation
EXT5	Numeric	8	8	0	See 2002 Land base Documentation
YEAR5	Numeric	8	8	0	See 2002 Land base Documentation
DAT_SC1	Text	0	1		See 2002 Land base Documentation
DAT_YR1	Numeric	8	8	0	See 2002 Land base Documentation
SMOIST	Text	0	1		See 2002 Land base Documentation
SCROWN	Text	0	1		See 2002 Land base Documentation
SHEIGHT	Numeric	8	8	0	See 2002 Land base Documentation
SSP1	Text	0	2		See 2002 Land base Documentation
SPER1	Numeric	8	8	0	See 2002 Land base Documentation
SSP2	Text	0	2		See 2002 Land base Documentation
SPER2	Numeric	8	8	0	See 2002 Land base Documentation
SSP3	Text	0	2		See 2002 Land base Documentation
SPER3	Numeric	8	8	0	See 2002 Land base Documentation
SSP4	Text	0	2		See 2002 Land base Documentation
SPER4	Numeric	8	8	0	See 2002 Land base Documentation
SSP5	Text	0	2		See 2002 Land base Documentation
SPER5	Numeric	8	8	0	See 2002 Land base Documentation
SNONFOR	Text	0	3		See 2002 Land base Documentation
SSTR	Text	0	1		See 2002 Land base Documentation
SSTRVAL	Numeric	8	8	0	See 2002 Land base Documentation
SCANOPY	Numeric	8	8	0	See 2002 Land base Documentation
SORIGIN	Numeric	8	8	0	See 2002 Land base Documentation
STPR	Text	0	1		See 2002 Land base Documentation
STPR_I	Text	0	1		See 2002 Land base Documentation

Column	Data Type	Precision	Width	Decimals	Description
SMOD1	Text	0	2		See 2002 Land base Documentation
SEXT1	Numeric	8	8	0	See 2002 Land base Documentation
SYEAR1	Numeric	8	8	0	See 2002 Land base Documentation
SMOD2	Text	0	2		See 2002 Land base Documentation
SEXT2	Numeric	8	8	0	See 2002 Land base Documentation
SYEAR2	Numeric	8	8	0	See 2002 Land base Documentation
SMOD3	Text	0	2		See 2002 Land base Documentation
SEXT3	Numeric	8	8	0	See 2002 Land base Documentation
SYEAR3	Numeric	8	8	0	See 2002 Land base Documentation
SMOD4	Text	0	2		See 2002 Land base Documentation
SEXT4	Numeric	8	8	0	See 2002 Land base Documentation
SYEAR4	Numeric	8	8	0	See 2002 Land base Documentation
SMOD5	Text	0	2		See 2002 Land base Documentation
SEXT5	Numeric	8	8	0	See 2002 Land base Documentation
SYEAR5	Numeric	8	8	0	See 2002 Land base Documentation
SDAT_SC1	Text	0	1		See 2002 Land base Documentation
SDAT_YR1	Numeric	8	8	0	See 2002 Land base Documentation
D	Text	0	1		See 2002 Land base Documentation
H	Text	0	1		See 2002 Land base Documentation
S1	Text	0	2		See 2002 Land base Documentation
S2	Text	0	2		See 2002 Land base Documentation
S3	Text	0	2		See 2002 Land base Documentation
S4	Text	0	2		See 2002 Land base Documentation
C	Text	0	1		See 2002 Land base Documentation
VSR	Numeric	8	8	0	See 2002 Land base Documentation
OG	Numeric	8	8	0	See 2002 Land base Documentation
UD	Text	0	1		See 2002 Land base Documentation
UH	Text	0	1		See 2002 Land base Documentation
U1	Text	0	2		See 2002 Land base Documentation



Column	Data Type	Precision	Width	Decimals	Description
U2	Text	0	2		See 2002 Land base Documentation
U3	Text	0	2		See 2002 Land base Documentation
U4	Text	0	2		See 2002 Land base Documentation
UC	Text	0	1		See 2002 Land base Documentation
UG	Numeric	8	8	0	See 2002 Land base Documentation
S	Text	0	1		See 2002 Land base Documentation
SP	Text	0	2		See 2002 Land base Documentation
STS	Text	0	3		See 2002 Land base Documentation
ORGN	Numeric	8	8	0	See 2002 Land base Documentation
SOURCE	Text	0	8		See 2002 Land base Documentation
HFLAG	Numeric	8	8	0	See 2002 Land base Documentation
VFLAG	Numeric	8	8	0	See 2002 Land base Documentation
STATUS	Text	0	4		See 2002 Land base Documentation
GRAZING	Numeric	8	8	0	See 2002 Land base Documentation
FMU_MOD	Text	0	4		See 2002 Land base Documentation
TSA	Numeric	8	8	0	See 2002 Land base Documentation
OSPGROUP	Text	0	4		See 2002 Land base Documentation
VHFLAG	Numeric	8	8	0	See 2002 Land base Documentation
NEWBURN	Numeric	8	8	0	See 2002 Land base Documentation
NEWBNAME	Text	0	12		See 2002 Land base Documentation
MIT_FLAG	Numeric	8	8	0	See 2002 Land base Documentation
CUTBLOCK	Numeric	8	8	0	See 2002 Land base Documentation
PROPCUT	Numeric	8	8	0	See 2002 Land base Documentation
CHSMPROP	Numeric	8	8	0	See 2002 Land base Documentation
CUTSPGRP	Text	0	2		See 2002 Land base Documentation
CUT_SPEC	Text	0	2		See 2002 Land base Documentation
DISP	Numeric	8	8	0	See 2002 Land base Documentation
AGE	Numeric	8	8	0	See 2002 Land base Documentation
AGECLASS	Numeric	8	8	0	See 2002 Land base Documentation

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Column	Data Type	Precision	Width	Decimals	Description
CONDEC	Text	0	2		See 2002 Land base Documentation
YC_SP	Text	0	2		See 2002 Land base Documentation
NEWCROWN	Text	0	1		See 2002 Land base Documentation
YCNUM	Numeric	8	8	0	See 2002 Land base Documentation
YC_STRAT	Text	0	10		See 2002 Land base Documentation
NETDOWN	Numeric	8	8	1	See 2002 Land base Documentation
PER1_T	Text	0	4		See 2002 Land base Documentation
PER2_T	Text	0	4		See 2002 Land base Documentation
PER3_T	Text	0	50		See 2002 Land base Documentation
PER4_T	Text	0	4		See 2002 Land base Documentation
PER5_T	Text	0	4		See 2002 Land base Documentation
LABEL	Text	0	30		See 2002 Land base Documentation

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**Information from MPB Rank:**

Column	Data Type	Precision	Width	Decimals	Description
SSL_VALUE	Numeric	8	8	1	Stand Susceptibility Rating (0 to 100) from ASRD
SSL_CF	Numeric	8	8	1	Stand Susceptibility Climate Factor
YCNUM_1	Numeric	8	8	0	Yield curve number ( not used)
COMPART_RI	Text	0	15	0	Compartment Risk (not used)
NEW_RANK	Numeric	8	8	0	MPB Rank ( 0 to 4) as per SRD Approval Document

**Derived Information:**

Column	Data Type	Precision	Width	Decimals	Description
ID	Numeric	8	8	0	Unique Polygon Identifier
PREBLOCKC	Text	0	8	0	Designates a Planned Block (1 = yes, 0 = no)
FMU2008	Text	0	8	0	FMU Designations (Null, CG, GM, GR, NA, S1, S1S, S2, S2A, S2B, S2S, S6, S6F, S6S)
LBDELETION2008	Numeric	8	8	0	New Land base Classification(0 0.5 0.75 1 2 3 4 5 6 7 8 9 10 11 107 108 201 202 203 204 205 206 207 208 209 211 9999 )
YCNUM2008	Numeric	8	8	0	New Yield Curve Assignment (1- 12, 101,103,104,105,106)
YCOVERRIDE	Numeric	8	8	0	Designates that Polygon has had a Yield Class Reassignment (1= yes, 0 = no)
AGE2008	Numeric	8	8	0	New Age Assignment (0 - 200)
AGECLASS2008	Numeric	8	8	0	New Age Class Assignment (0 - 200)
AGEOVERRIDE	Numeric	8	8	0	Designates that Polygon has had an age Reassignment ( 1 = yes, 0 = no)
MPBRANK2008	Numeric	8	8	0	New MPB Rank ( 0 to 4)
LBSTATUS	Text	0	15	0	Land Base Status (Passive,Active)
AREAHA2008	Numeric	8	8	0	Polygon area (ha)

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**APPENDIX 7 LAND BASE SIGNOFF LETTERS**

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P.O. Box 517, Slave Lake, Alberta, T0G 2A0  
Phone 780-849-4145, Fax 780-849-2426

February 12, 2009

Buchanan Lumber  
Box 38  
High Prairie, Alberta  
T0G 1E0

**Re: Mountain Pine Beetle Action Plan – Net Land Base Update**

A review of the updated Net Land Base, developed as part of the Slave Lake Pulp (S20) Amendment for Mountain Pine Beetle, has been completed.

The original land base has been updated to include the following information sources:

- ◆ Mountain Pine Beetle Susceptibility Rank
- ◆ Harvest Information since 2002 FMP approval
- ◆ Land Use Information
- ◆ Fire Information
- ◆ Grizzly Bear Management Units
- ◆ Swan Hills Sphere of Interest

As a Quota holder and member of the Plan Development Team, I understand the updates to the land classification and AAC land base to be used in the Mountain Pine Beetle strategy.

Keith Branting

Woodlands Manager  
Buchanan Lumber

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P.O. Box 517, Slave Lake, Alberta, T0G 2A0  
Phone 780-849-4145, Fax 780-849-2426

February 12, 2009

Lakeshore Timber Co.  
High Prairie, Alberta  
T0G 1E0

**Re: Mountain Pine Beetle Action Plan – Net Land Base Update**

A review of the updated Net Land Base, developed as part of the Slave Lake Pulp (S20) Amendment for Mountain Pine Beetle, has been completed.

The original land base has been updated to include the following information sources:

- ◆ Mountain Pine Beetle Susceptibility Rank
- ◆ Harvest Information since 2002 FMP approval
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- ◆ Swan Hills Sphere of Interest

As a Quota holder and member of the Plan Development Team, I understand the updates to the land classification and AAC land base to be used in the Mountain Pine Beetle strategy.

Keith Branting

for / Lakeshore Timber Co.

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MILLAR WESTERN FOREST PRODUCTS LTD.

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WHITECOURT WOOD PRODUCTS DIVISION

February 12, 2009

Todd Bailey  
Alberta Plywood Ltd.  
Box 517  
Slave Lake, Alberta T0G 2A0

Dear Todd,

**Re: Mountain Pine Beetle Action Plan – Net Land Base Update**

Millar Western's review of the updated Net Land Base as developed for the Slave Lake Pulp (S20) Amendment for Mountain Pine Beetle, has been completed.

Our understanding is the original land base has been updated to include the following information sources:

- ◆ Mountain Pine Beetle Susceptibility Rank
- ◆ Harvest Information since 2002 FMP approval
- ◆ Land Use Information
- ◆ Fire Information
- ◆ Grizzly Bear Management Units
- ◆ Swan Hills Sphere of Interest

As a Quota holder and member of the Plan Development Team, I understand the updates to the land classification and AAC land base to be used in the Mountain Pine Beetle strategy.

Sincerely,

Ray Hitts  
Chief Forester  
Millar Western Forest Products Ltd.

5004 – 52 Street Whitecourt, Alberta, Canada T7S 1N2  
Tel: 780.778.2221 Fax: 780.778.4631





P.O. Box 517, Slave Lake, Alberta, T0G 2A0  
Phone 780-849-4145, Fax 780-849-2426

February 12, 2009

Vanderwell Contractors (1971) Ltd.  
Box 415  
Slave Lake, Alberta  
T0G 2A0

**Re: Mountain Pine Beetle Action Plan – Net Land Base Update**

A review of the updated Net Land Base, developed as part of the Slave Lake Pulp (S20) Amendment for Mountain Pine Beetle, has been completed.

The original land base has been updated to include the following information sources:

- ◆ Mountain Pine Beetle Susceptibility Rank
- ◆ Harvest Information since 2002 FMP approval
- ◆ Land Use Information
- ◆ Fire Information
- ◆ Grizzly Bear Management Units
- ◆ Swan Hills Sphere of Interest

As a Quota holder and member of the Plan Development Team, I understand the updates to the land classification and AAC land base to be used in the Mountain Pine Beetle strategy.

Kevin Kuhn

Woodlands Manager  
Vanderwell Contractors (1971) Ltd.

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