

5.4.4 Conifer Understorey

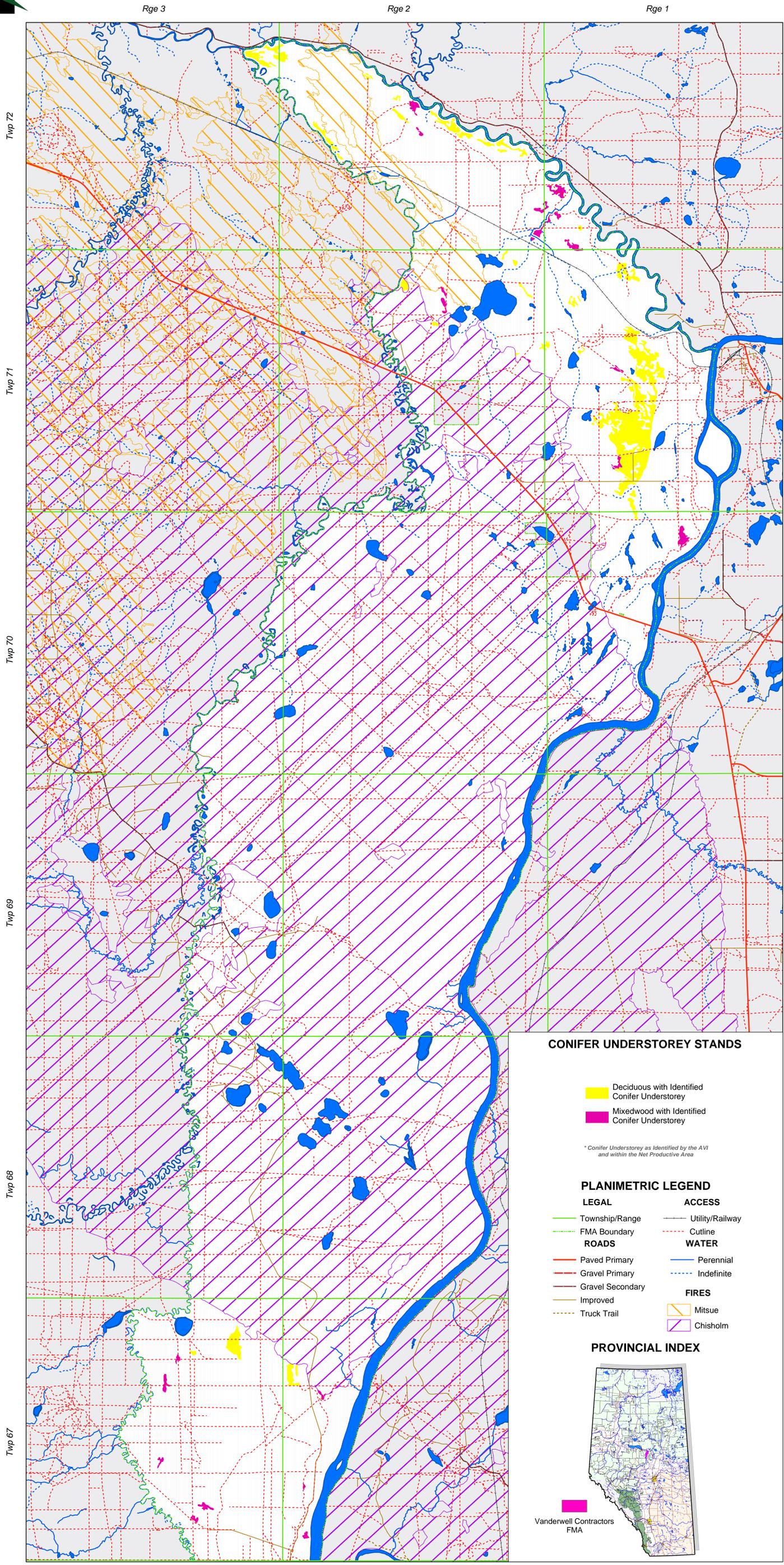
There are both deciduous and mixedwood stands within the Vanderwell FMA that have coniferous understoreys. The area of stands with coniferous understoreys is given in Table 5-67. These stands are distributed throughout the entire FMA. Map 5-7 displays the coniferous understorey areas.

TABLE 5-7: STANDS WITH A CONIFER UNDERSTOREY

Overstorey Species Group	Understorey Crown Closure	Understorey Leading Species	Understorey Height	Understorey Age						Total Area (ha)
				61	71	81	91	111	131	
D	A	SB	1-5m	26	0	0	0	0	0	26
		SW	6-10m	2	0	0	0	0	0	2
			11-15m	17	6	57	0	0	0	80
			16m+	0	488	52	0	0	0	540
	B	SW	6-10m	0	3	0	0	0	0	3
			11-15m	0	1	3	22	0	0	26
			16m+	0	0	22	0	39	0	61
	C	SW	11-15m	7	5	3	0	0	0	15
			16m+	0	0	8	0	3	0	11
	Sub-Total Area (ha)				52	502	145	22	42	0
MX	A	SW	1-5m	3	0	0	0	0	0	3
			6-10m	0	8	3	0	0	0	11
			11-15m	0	18	3	0	0	0	21
	B	SW	6-10m	0	4	0	0	0	0	4
			11-15m	8	21	0	0	0	2	31
			16m+	0	0	10	0	8	0	18
	C	SB	6-10m	0	8	0	0	0	0	8
			11-15m	0	1	0	0	0	0	1
		SW	6-10m	11	26	0	0	0	0	36
			16m+	0	4	0	0	0	0	4
Sub-Total Area (ha)				22	89	16	0	8	2	137
Total Area				74	591	161	22	50	2	901



CONIFER UNDERSTOREY STANDS



CONIFER UNDERSTOREY STANDS

- Deciduous with Identified Conifer Understorey
- Mixedwood with Identified Conifer Understorey

** Conifer Understorey as Identified by the AVI and within the Net Productive Area*

PLANIMETRIC LEGEND

- | | |
|---|--|
| LEGAL | ACCESS |
| Township/Range | Utility/Railway |
| FMA Boundary | Cutline |
| ROADS | WATER |
| Paved Primary | Perennial |
| Gravel Primary | Indefinite |
| Gravel Secondary | FIRES |
| Improved | Mitsue |
| Truck Trail | Chisholm |

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5.4.5 LandScape Structure

The current amount of landscape structure on the FMA is 19 015 hectares and is distributed throughout the entire FMA. Landscape structure has been broken down into three categories:

1. Unsalvaged areas within recent burns
2. Forested stands with a Timber Productivity Rating of Fair, Medium or Good and are not included in the net landbase.
3. Forested stands that were landbase deletions.

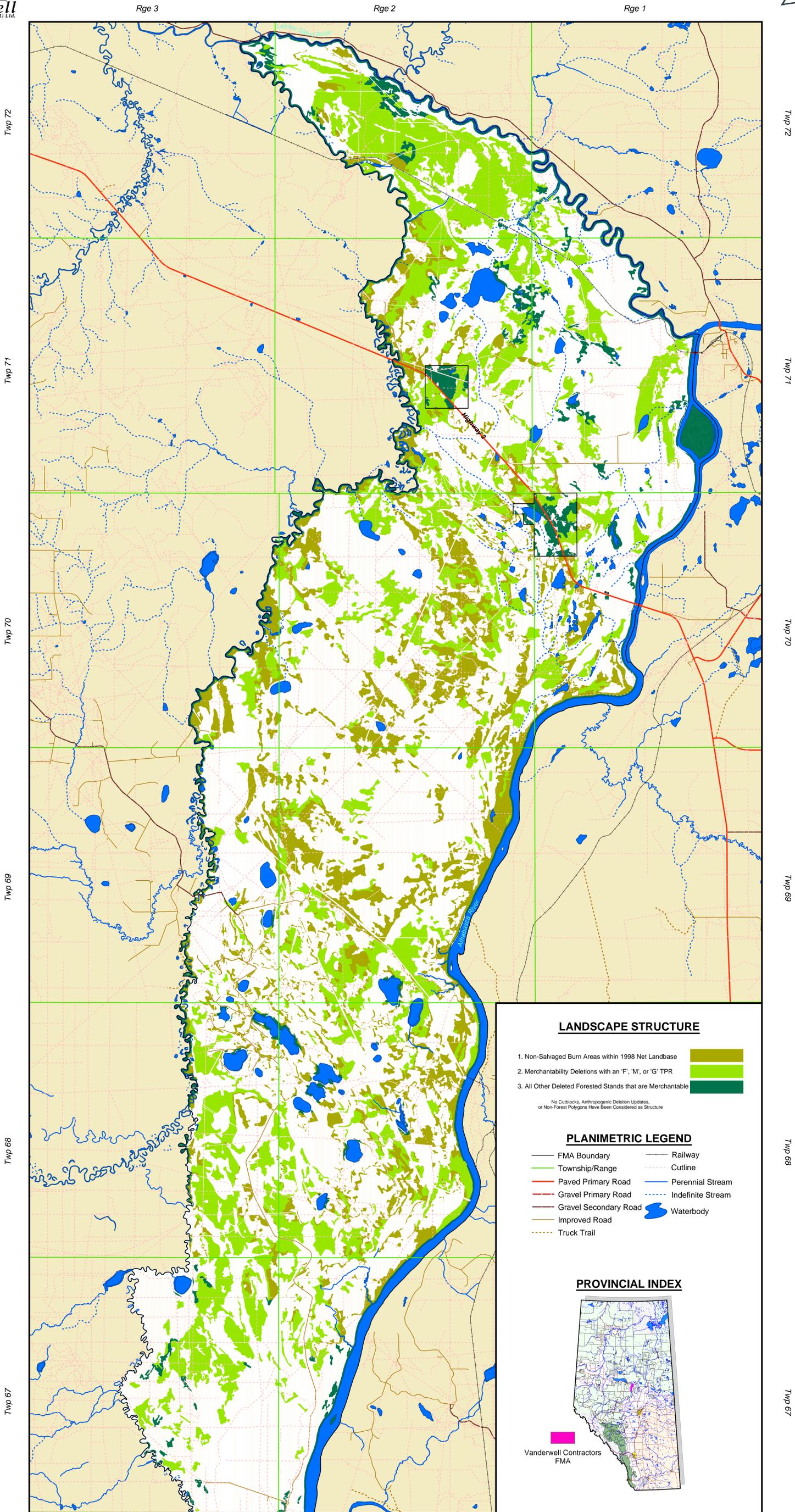
No stand can contribute to more than one category. Table 5-8 shows the breakdown of landscape structure by category. Map 5-8 displays the location of landscape structure, by category across the FMA.

TABLE 5.8: LANDSCAPE STRUCTURE WITHIN FMA.

Landscape Structure Category	Area (hectares)
Unsalvaged Burn Areas	6428
TPR of F, M, G	10330
Landbase deletions	2257
Total	19015

LANDSCAPE STRUCTURE

Within the Vanderwell FMA

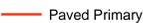
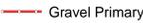
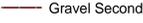
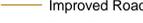
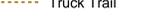


LANDSCAPE STRUCTURE

1. Non-Salvaged Burn Areas within 1998 Net Landbase 
2. Merchantability Deletions with an 'F', 'M', or 'G' TPR 
3. All Other Deleted Forested Stands that are Merchantable 

No Cutlocks, Anthropogenic Deletion Updates, or Non-Forest Polygons Have Been Considered as Structure

PLANIMETRIC LEGEND

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

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5.4.6 Overmature Areas

There are currently 2089 hectares of overmature forest present on the Vanderwell FMA. The point in time that a stand is classified as overmature is the age at which as stand begins losing volume. This is 110 years for conifer stands, 80 years for mixedwood stands and 120 years for deciduous stands. This information was derived from the yield curves created for use within this FMA. Table 5.9 shows the current amount of overmature forest broken down by cover group and landbase status. Table 5.10 shows the current patch size distribution of overmature stands within the FMA. Map 5-9 shows the spatial distribution of these areas.

TABLE 5.9: OVERMATURE FOREST ON FMA.

Cover Group	Landbase Status	Area (hectares)
Conifer – Pine leading	Net Landbase	0
	Landbase Deletion	0
Conifer – Spruce leading	Net Landbase	565
	Landbase Deletion	929
Mixedwood	Net Landbase	215
	Landbase Deletion	129
Deciduous	Net Landbase	247
	Landbase Deletion	5
Total		2090

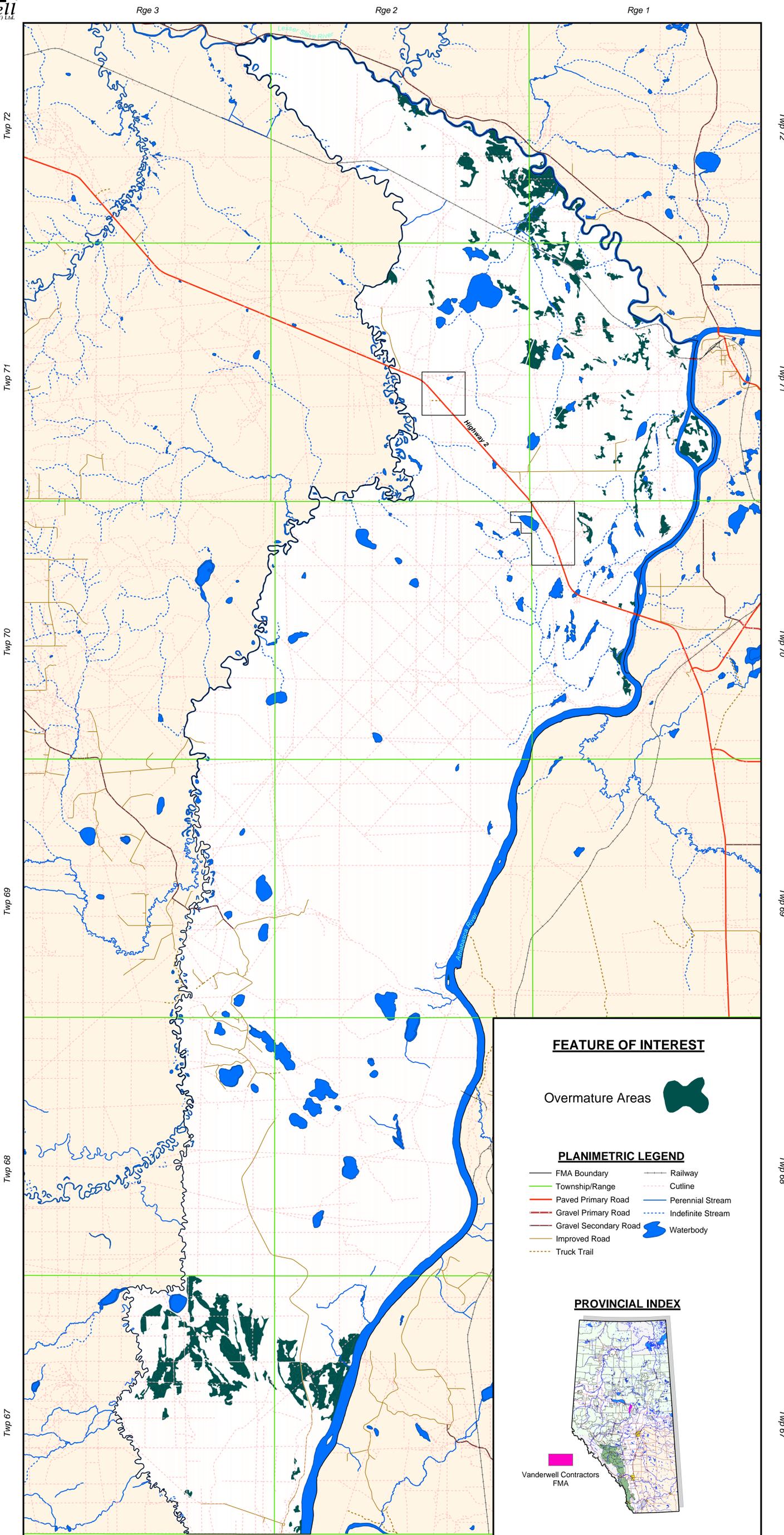
TABLE 5.10: OVERMATURE PATCH SIZE SUMMARY

Patch Size (hectares)	Max. (hectares)	Mean (hectares)	Min. (hectares)	Count	Sum (hectares)
0-25	22	3	0	187	590
25.1-50	50	35	26	13	455
50.1-100	97	70	50	7	492
100.1-200	172	165	158	2	329
200.1-400	223	223	223	1	223
Total					2089



CURRENT OVERMATURE AREAS

Within the Vanderwell FMA



FEATURE OF INTEREST

Overmature Areas



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

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