

APPENDIX 3.

VOLUME TABLES.

Diameter Breast high	White Spruce.	Tamarack ¹	Jack Pine ²	Lodgepole Pine, ³	Aspen ⁴
In.	Ft. B.M. ⁵	Ft. B.M. ⁵	Ft. B.M. ⁵	Ft. B.M. ⁵	Cub. Ft.
6	50	25	15	50	5.3
7	55	35	20	60	6.7
8	65	40	30	70	8.4
9	75	50	40	80	10.7
10	85	65	50	90	14.2
11	95	80	60	100	18.5
12	115	100	70	110	22.5
13	135	120	80	120	27.2
14	160	140	90	135	
15	200	165	105	165	
16	260	185	120	175	
17	340	220	140	185	
18	400	260	165		
19	460	315	200		
20	510	360	230		
21	550	400	255		
22	575	500			
23	595	530			
24	610	550			
25	625	570			
26	630	580			
27	640	590			
28	645	595			

¹South shore of Lesser Slave Lake,
Slave Lake.

²Athabaska River.

³North shore of Lesser Slave Lake,
Swan Hills, best sites (young timber).

⁴North shore of Lesser
Slave Lake.

⁵Volume used length.

APPENDIX 4.

MODEL ACRE AND YIELD TABLE.

The Model Acre has been constructed from data obtained in spruce stands, site 1, near Nine-mile Point, Lesser Slave lake. Average age, height and volume are from stem-analyses of about twenty-five trees; the number of trees per acre column has been compiled from results of strip surveys covering about twenty acres. From this table the average tree is found to be 13.4 inches.

From these data a rough yield-table has been constructed, more for the purpose of showing the conditions of growth of spruce in this district than for any special value as an accurate statement of yield. The decimation rate is only approximate. It was obtained by using a curve of reduction in the number of trees per acre in the model acre as a basis for younger ages.