Ecologically Based Individual Tree Volume Tables for Major Alberta Tree Species

A Summary

1.0 INTRODUCTION

This report presents provincial and natural subregion based tables for predicting:

1). individual tree gross total volume (m^3),
2). gross merchantable volume (m^3) at 13/7, 1510, and 15/11 utilization standards.

Natural subregions of Alberta are listed in Appendix 1 and their locations are shown in Figure 1. A brief description of how to use these tables is illustrated here. Detailed explanations of the procedures for fitting of the equations and constructions of the tables are described in Report #1 of this series: Individual Tree Volume Estimation Procedures for Alberta: Methods of Formulation and Statistical Foundations. All equations and coefficients used to generate the tables are presented in Report #3 of this series: Summary of Equations and Estimated Coefficients for Ecologically Based Individual Tree Volume Estimation in Alberta.

Compared to the previously used volume estimation methods adopted by Alberta Land and Forest Services, ecologically based individual tree volume estimation has several distinct features including the following:

1. A taper equation is used to predict individual tree gross total volume, gross merchantable volume, merchantable length, and number of trees per cubic metre of merchantable volume (trees/m^3). Taper equations have been shown to provide more accurate volume predictions for major Alberta tree species. More recently, the use of taper equations for individual tree volume estimation has become an increasingly popular trend.

2. The relationships between tree height and tree diameter, diameter outside bark and inside bark, stump diameter and breast height diameter are used in an integrated manner. This approach greatly facilitates volume estimation.

3. Natural regions are used instead of the Volume Sampling Regions (VSRs). Predictive relationships and volume tables were built on recently classified natural regions to reflect a refinement over previously defined VSR boundaries, and to emphasize the ever-increasing importance of ecology-based forest management in Alberta.

4. A new layout form of the volume tables was developed to facilitate practical use.

All tables presented here were created using values corresponding to the midpoints of 2.0 cm diameter classes and 2.0 m height classes. Tables or matrices of user-defined ranges can be created using actual functions. Assistance with re-creating similar tables is available upon request.

2.0 USE OF THE TABLES

The format of each table represents an integrated use of the taper equation and the relationships between tree height and tree diameter, diameter outside bark and inside bark, stump diameter and breast height diameter. For example, in addition to its use as a standard volume table, the gross total volume table (Table 1) can also be used as a local volume table, a height-diameter prediction table, and a stump diameter and breast height diameter prediction table. Here are some of the most common uses of such a table (see Table 1):

1. Prediction of total tree height. From field measurement of tree diameter at breast height outside bark (DBHOB), total tree height (HT) can be predicted from the far right hand side column of the table. For example, if a tree has a DBHOB of 29.4 cm, predicted HT of the tree from Table 1 is 20.8 m.

2. Prediction of stump diameter outside bark (STUMP DOB). From field measurement of DBHOB, STUMP DOB can be predicted. For example, if a tree has a DBHOB of 29.4 cm, then the predicted STUMP DOB of the tree from Table 1 falls between 33.7 cm and 35.9 cm.

3. Prediction of tree diameter at breast height outside bark (DBHOB). From field measurement of STUMP DOB, DBHOB can be predicted. For example, if a tree has a STUMP DOB of 44.5 cm, predicted DBHOB of the tree from Table 1 falls between 37.1 cm and 39.0 cm.

4. Prediction of gross total volume from observed DBHOB and HT. Gross total volume (m^3) to 0.0 cm top diameter inside bark (*d*) and 0.00 m stump height can be read directly from Table 1, based on the field measurements of total tree height and diameter at breast height outside bark. For example, if a 29.4 cm (DBHOB) tree has a HT of 18.8 m, the gross total volume of the tree from Table 1 is 0.5063 m^3.

5. Prediction of gross total volume from observed DBHOB and predicted HT. If field measurement of tree height is not available, the far right-hand column of the table can be used to predict HT from field measurement of DBHOB. Based on the DBHOB and the predicted HT, gross total volume can be read from the table. For example, if a tree has a DBHOB of 29.4 cm, then the predicted HT of the tree will be 20.8 m. The gross total cubic metre volume of the tree from Table 1 is 0.5661 m^3, which is underlined for easy reading. In the absence of field measurement for tree heights, only the underlined values in the middle portion of the table, which represent the result of the average height-diameter relationship, are needed for estimating the gross total volumes (m^3) of the tree.

6. Prediction of gross total volume from observed stump diameter and HT. The second column from the left, in the standard table for gross total volume, represents stump diameter outside bark. If the field measurements of stump diameter and total tree height are available, gross total volume can be read from Table 1. For example, if a tree has a STUMP DOB of 23.2 cm and a HT of 15.0 m, the gross total volume of the tree from Table 1 is 0.1792 m^3.

7. Prediction of gross total volume from observed stump diameter and predicted HT. If the field measurement of stump diameter is all that is available, the far right-hand column of the table can be used to predict HT from STUMP DOB. Based on the STUMP DOB and the predicted HT, gross total volume (m^3) can be read from the table. For example, if a tree has a STUMP DOB of 23.2 cm, predicted HT of the tree from the far right-hand column of Table 1 is 15.5 m, and

the gross total volume of the tree from Table 1 is 0.2063 m^3. Once again, in the absence of field measurements for tree height, only the underlined values in the middle portion of the table, which represent the average height-diameter relationship, are needed for estimating the gross total volume.

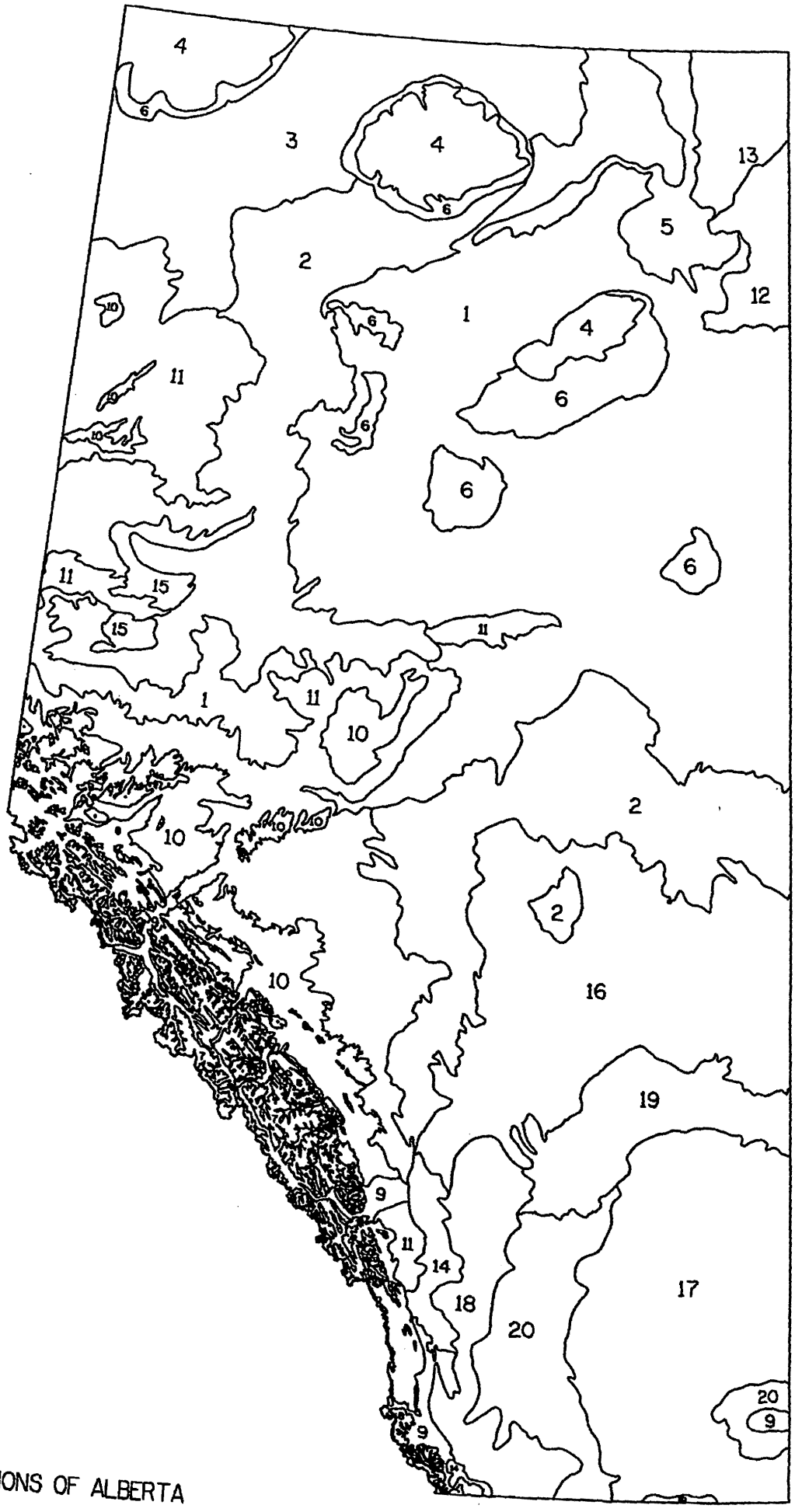
Values in two corners of the tables indicate unlikely tree sizes. Tables for predicting merchantable volume, merchantable length, and trees/m^3 merchantable volume can be used in a similar manner.

8. Prediction of log volume. Tables for predicting merchantable volume and merchantable length can be used jointly to determine log volume. This can be achieved in two steps:

1). Decide the utilization standard. For example, a 15/11 utilization standard (minimum stump diameter outside bark = 15 cm, minimum top diameter inside bark = 11 cm) is used.

2). From stump diameter (or breast height diameter) and log length (in this case, log length is the merchantable length), use merchantable length tables to predict tree height. Having stump diameter and tree height, merchantable volume is predicted from the merchantable volume table at that utilization standard. Predicted merchantable volume is the log volume.

For example, if a log has a stump diameter of 35.0 cm and a length of 14.5 m, from the merchantable length table for 11.0 cm top dib (Table 32), a 35.0 stump diameter tree has a merchantable length of 14.39 m at height between 19.1 and 21.0. Hence, predicted total tree height from Table 32 is approximately between 19.1 and 21.0 m. From the stump diameter and predicted tree height, a merchantable volume of 0.5208 m^3 is read from the corresponding merchantable volume table (Table 8). Therefore this log has 0.5208 m^3 of volume at 15/11.



1 - Central Mixedwood
2 - Dry Mixedwood
3 - Wetland Mixedwood
4 - Sub-Arctic
5 - Peace River Lowlands
6 - Boreal Highlands
7 - Alpine
8 - Sub-Alpine
9 - Montane
10 - Upper Foothills
11 - Lower Foothills
12 - Athabasca Plain
13 - Kazan Upland
14 - Foothills Parkland
15 - Peace River Parkland
16 - Central Parkland
17 - Dry Mixedgrass
18 - Foothills Fescue
19 - Northern Fescue
20 - Mixedgrass

Figure 1. NATURAL REGIONS OF ALBERTA

Produced by Forest Resource Information Branch, Edmonton

Scale 1:5 000 000

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 1. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
3.1- 5.0	1.8- 4.2	0.0018	0.0028	0.0037	0.0047	0.0056	0.0066	0.0076	0.0085	0.0095	0.0105	0.0114	0.0124	0.0134	0.0143	0.0153	0.0163	0.0173	0.0182	4.2
5.1- 7.0	4.4- 6.7	0.0042	0.0065	0.0088	0.0110	0.0133	0.0156	0.0179	0.0203	0.0226	0.0249	0.0272	0.0295	0.0318	0.0341	0.0365	0.0388	0.0411	0.0434	5.8
7.1- 9.0	6.9- 9.2	0.0075	0.0117	0.0158	0.0200	0.0242	0.0284	0.0327	0.0369	0.0411	0.0453	0.0496	0.0538	0.0580	0.0623	0.0665	0.0708	0.0750	0.0793	7.3
9.1-11.0	9.4- 11.7	0.0118	0.0184	0.0250	0.0316	0.0383	0.0450	0.0516	0.0583	0.0651	0.0718	0.0785	0.0852	0.0920	0.0987	0.1055	0.1122	0.1190	0.1257	8.8
11.1-13.0	11.9- 14.2	0.0169	0.0264	0.0360	0.0457	0.0554	0.0651	0.0748	0.0846	0.0943	0.1041	0.1139	0.1237	0.1335	0.1433	0.1531	0.1629	0.1728	0.1826	10.2
13.1-15.0	14.3- 16.7	0.0230	0.0359	0.0490	0.0622	0.0754	0.0887	0.1020	0.1153	0.1287	0.1421	0.1555	0.1689	0.1823	0.1958	0.2092	0.2227	0.2362	0.2496	11.6
15.1-17.0	16.8- 19.1	0.0299	0.0467	0.0638	0.0810	0.0983	0.1157	0.1331	0.1506	0.1681	0.1856	0.2032	0.2207	0.2383	0.2559	0.2736	0.2912	0.3089	0.3265	13.0
17.1-19.0	19.2- 21.6	0.0376	0.0588	0.0803	0.1020	0.1239	0.1459	0.1679	0.1900	0.2122	0.2344	0.2566	0.2789	0.3012	0.3235	0.3458	0.3681	0.3905	0.4129	14.2
19.1-21.0	21.7- 24.0	0.0462	0.0721	0.0985	0.1252	0.1521	0.1792	0.2063	0.2336	0.2609	0.2882	0.3157	0.3431	0.3706	0.3981	0.4256	0.4532	0.4808	0.5084	15.5
21.1-23.0	24.1- 26.4	0.0556	0.0866	0.1183	0.1505	0.1829	0.2155	0.2482	0.2810	0.3140	0.3470	0.3800	0.4131	0.4463	0.4795	0.5127	0.5460	0.5793	0.6126	16.6
23.1-25.0	26.5- 28.8	0.0658	0.1024	0.1397	0.1777	0.2160	0.2545	0.2933	0.3322	0.3712	0.4103	0.4495	0.4887	0.5280	0.5674	0.6068	0.6462	0.6857	0.7252	17.8
25.1-27.0	28.9- 31.2	0.0769	0.1193	0.1627	0.2068	0.2514	0.2963	0.3415	0.3869	0.4324	0.4781	0.5238	0.5696	0.6155	0.6615	0.7075	0.7536	0.7997	0.8459	18.8
27.1-29.0	31.3- 33.6	0.0888	0.1373	0.1871	0.2377	0.2890	0.3407	0.3927	0.4450	0.4974	0.5500	0.6028	0.6556	0.7085	0.7615	0.8146	0.8677	0.9209	0.9741	19.8
29.1-31.0	33.7- 35.9	0.1016	0.1565	0.2129	0.2704	0.3287	0.3875	0.4468	0.5063	0.5661	0.6260	0.6861	0.7463	0.8067	0.8671	0.9276	0.9882	1.0489	1.1096	20.8
31.1-33.0	36.0- 38.3	0.1153	0.1768	0.2401	0.3048	0.3704	0.4367	0.5035	0.5707	0.6381	0.7058	0.7736	0.8416	0.9098	0.9780	1.0464	1.1149	1.1834	1.2520	21.8
33.1-35.0	38.4- 40.6	0.1299	0.1982	0.2686	0.3407	0.4140	0.4881	0.5628	0.6379	0.7134	0.7891	0.8650	0.9412	1.0175	1.0940	1.1706	1.2472	1.3240	1.4009	22.6
35.1-37.0	40.7- 42.9	0.1454	0.2206	0.2985	0.3783	0.4595	0.5416	0.6245	0.7079	0.7917	0.8758	0.9602	1.0449	1.1297	1.2147	1.2998	1.3851	1.4705	1.5560	23.5
37.1-39.0	43.1- 45.3	0.1618	0.2442	0.3296	0.4173	0.5067	0.5971	0.6885	0.7804	0.8729	0.9657	1.0589	1.1523	1.2460	1.3399	1.4339	1.5281	1.6224	1.7168	24.3
39.1-41.0	45.4- 47.6	0.1792	0.2689	0.3620	0.4578	0.5555	0.6546	0.7547	0.8555	0.9568	1.0587	1.1609	1.2634	1.3662	1.4693	1.5725	1.6759	1.7794	1.8831	25.1
41.1-43.0	47.7- 49.8	0.1975	0.2947	0.3956	0.4997	0.6060	0.7139	0.8229	0.9328	1.0434	1.1545	1.2660	1.3779	1.4901	1.6026	1.7153	1.8282	1.9413	2.0546	25.8
43.1-45.0	50.0- 52.1	0.2169	0.3216	0.4304	0.5429	0.6580	0.7749	0.8931	1.0123	1.1323	1.2529	1.3740	1.4956	1.6175	1.7397	1.8621	1.9848	2.1078	2.2308	26.5
45.1-47.0	52.2- 54.4	0.2374	0.3496	0.4664	0.5875	0.7115	0.8375	0.9651	1.0939	1.2235	1.3539	1.4848	1.6162	1.7480	1.8802	2.0127	2.1454	2.2784	2.4116	27.1
47.1-49.0	54.5- 56.6	0.2589	0.3787	0.5036	0.6333	0.7664	0.9018	1.0389	1.1774	1.3169	1.4572	1.5981	1.7396	1.8816	2.0240	2.1667	2.3097	2.4530	2.5965	27.8
49.1-51.0	56.7- 58.9	0.2815	0.4089	0.5420	0.6804	0.8226	0.9675	1.1143	1.2627	1.4122	1.5626	1.7138	1.8656	2.0180	2.1707	2.3239	2.4774	2.6312	2.7853	28.4
51.1-53.0	59.0- 61.1	0.3053	0.4402	0.5815	0.7287	0.8801	1.0346	1.1913	1.3497	1.5094	1.6701	1.8317	1.9940	2.1569	2.3203	2.4841	2.6483	2.8128	2.9777	28.9
53.1-55.0	61.2- 63.3	0.3302	0.4727	0.6221	0.7781	0.9389	1.1031	1.2697	1.4383	1.6083	1.7795	1.9517	2.1246	2.2982	2.4724	2.6470	2.8221	2.9976	3.1734	29.5
55.1-57.0	63.4- 65.5	0.3564	0.5064	0.6639	0.8287	0.9989	1.1728	1.3496	1.5284	1.7089	1.8907	2.0735	2.2573	2.4418	2.6269	2.8125	2.9986	3.1852	3.3721	30.0
57.1-59.0	65.6- 67.7	0.3839	0.5412	0.7067	0.8804	1.0600	1.2438	1.4307	1.6199	1.8109	2.0035	2.1971	2.3918	2.5873	2.7835	2.9803	3.1776	3.3754	3.5736	30.5
59.1-61.0	67.8- 69.9	0.4126	0.5772	0.7507	0.9332	1.1222	1.3159	1.5130	1.7127	1.9144	2.1177	2.3223	2.5281	2.7347	2.9421	3.1502	3.3588	3.5680	3.7776	30.9
61.1-63.0	70.0- 72.0	0.4427	0.6144	0.7958	0.9871	1.1855	1.3891	1.5965	1.8067	2.0191	2.2333	2.4490	2.6659	2.8838	3.1025	3.3219	3.5420	3.7627	3.9839	31.4
63.1-65.0	72.1- 74.2	0.4741	0.6528	0.8420	1.0420	1.2499	1.4634	1.6810	1.9018	2.1250	2.3502	2.5770	2.8051	3.0343	3.2645	3.4954	3.7271	3.9594	4.1922	31.8
65.1-67.0	74.3- 76.3	0.5071	0.6924	0.8893	1.0980	1.3152	1.5386	1.7665	1.9979	2.2320	2.4682	2.7062	2.9456	3.1863	3.4279	3.6704	3.9137	4.1577	4.4023	32.2
67.1-69.0	76.4- 78.5	0.5414	0.7334	0.9377	1.1549	1.3815	1.6148	1.8530	2.0950	2.3400	2.5873	2.8365	3.0873	3.3394	3.5926	3.8468	4.1018	4.3576	4.6140	32.6
69.1-71.0	78.6- 80.6	0.5774	0.7756	0.9872	1.2128	1.4487	1.6918	1.9404	2.1930	2.4489	2.7073	2.9677	3.2299	3.4936	3.7584	4.0243	4.2911	4.5587	4.8270	32.9
71.1-73.0	80.7- 82.7	0.6149	0.8191	1.0378	1.2717	1.5168	1.7697	2.0285	2.2918	2.5586	2.8281	3.0998	3.3735	3.6486	3.9252	4.2028	4.4814	4.7609	5.0412	33.3
73.1-75.0	82.8- 84.8	0.6540	0.8639	1.0895	1.3316	1.5857	1.8484	2.1175	2.3913	2.6690	2.9496	3.2327	3.5177	3.8045	4.0927	4.3822	4.6727	4.9641	5.2564	33.6
75.1-77.0	84.9- 86.8	0.6948	0.9101	1.1423	1.3924	1.6555	1.9279	2.2071	2.4915	2.7800	3.0718	3.3661	3.6627	3.9610	4.2610	4.5622	4.8646	5.1680	5.4723	33.9
77.1-79.0	86.9- 88.9	0.7374	0.9576	1.1962	1.4541	1.7261	2.0080	2.2974	2.5923	2.8916	3.1945	3.5001	3.8081	4.1181	4.4297	4.7428	5.0571	5.3725	5.6889	34.2
79.1-81.0	89.0- 90.9	0.7818	1.0066	1.2512	1.5168	1.7975	2.0889	2.3883	2.6937	3.0038	3.3176	3.6346	3.9540	4.2755	4.5989	4.9238	5.2500	5.5774	5.9058	34.5

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 2. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 1 TO 6, 12, 13, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	0.7- 2.9	0.0005	0.0007	0.0010	0.0012	0.0015	0.0017	0.0019	0.0022	0.0024	0.0027	0.0029	0.0032	0.0034	0.0037	0.0039	0.0041	0.0044	0.0046	2.6
3.1- 5.0	3.0- 5.2	0.0022	0.0034	0.0046	0.0057	0.0069	0.0081	0.0093	0.0104	0.0116	0.0128	0.0140	0.0151	0.0163	0.0175	0.0187	0.0198	0.0210	0.0222	4.5
5.1- 7.0	5.3- 7.5	0.0049	0.0075	0.0101	0.0127	0.0153	0.0179	0.0205	0.0231	0.0257	0.0283	0.0309	0.0335	0.0361	0.0388	0.0414	0.0440	0.0466	0.0492	6.5
7.1- 9.0	7.6- 9.8	0.0085	0.0131	0.0176	0.0221	0.0267	0.0312	0.0358	0.0403	0.0449	0.0495	0.0540	0.0586	0.0632	0.0677	0.0723	0.0769	0.0815	0.0861	8.5
9.1-11.0	9.9- 12.1	0.0131	0.0200	0.0270	0.0340	0.0410	0.0480	0.0550	0.0620	0.0691	0.0761	0.0831	0.0902	0.0972	0.1043	0.1113	0.1184	0.1254	0.1325	10.4
11.1-13.0	12.2- 14.4	0.0185	0.0284	0.0383	0.0482	0.0582	0.0681	0.0781	0.0881	0.0981	0.1081	0.1181	0.1281	0.1381	0.1481	0.1582	0.1682	0.1783	0.1883	12.3
13.1-15.0	14.5- 16.7	0.0247	0.0380	0.0513	0.0647	0.0781	0.0915	0.1049	0.1183	0.1318	0.1452	0.1587	0.1722	0.1857	0.1992	0.2127	0.2262	0.2397	0.2532	14.0
15.1-17.0	16.8- 19.0	0.0317	0.0489	0.0661	0.0834	0.1007	0.1180	0.1354	0.1527	0.1701	0.1875	0.2049	0.2223	0.2398	0.2572	0.2747	0.2921	0.3096	0.3271	15.6
17.1-19.0	19.1- 21.3	0.0395	0.0611	0.0826	0.1043	0.1260	0.1477	0.1694	0.1912	0.2129	0.2347	0.2565	0.2784	0.3002	0.3221	0.3440	0.3659	0.3878	0.4097	17.1
19.1-21.0	21.4- 23.6	0.0481	0.0744	0.1008	0.1273	0.1538	0.1803	0.2069	0.2335	0.2602	0.2868	0.3135	0.3402	0.3670	0.3937	0.4205	0.4472	0.4740	0.5009	18.4
21.1-23.0	23.7- 25.9	0.0575	0.0890	0.1206	0.1523	0.1841	0.2159	0.2478	0.2797	0.3117	0.3437	0.3757	0.4077	0.4398	0.4719	0.5040	0.5361	0.5683	0.6004	19.7
23.1-25.0	26.0- 28.2	0.0675	0.1047	0.1420	0.1794	0.2168	0.2544	0.2920	0.3297	0.3674	0.4052	0.4429	0.4808	0.5186	0.5565	0.5944	0.6323	0.6702	0.7082	20.8
25.1-27.0	28.3- 30.5	0.0783	0.1215	0.1649	0.2084	0.2520	0.2957	0.3395	0.3834	0.4273	0.4712	0.5152	0.5592	0.6033	0.6474	0.6915	0.7357	0.7799	0.8241	21.9
27.1-29.0	30.6- 32.7	0.0898	0.1394	0.1893	0.2393	0.2895	0.3398	0.3902	0.4407	0.4912	0.5418	0.5924	0.6431	0.6938	0.7445	0.7953	0.8461	0.8970	0.9479	22.8
29.1-31.0	32.8- 35.0	0.1020	0.1584	0.2152	0.2721	0.3293	0.3866	0.4440	0.5015	0.5590	0.6167	0.6744	0.7321	0.7899	0.8477	0.9056	0.9635	1.0214	1.0794	23.6
31.1-33.0	35.1- 37.3	0.1149	0.1785	0.2425	0.3068	0.3714	0.4360	0.5009	0.5658	0.6308	0.6959	0.7610	0.8263	0.8915	0.9569	1.0222	1.0876	1.1531	1.2186	24.4
33.1-35.0	37.4- 39.6	0.1285	0.1996	0.2713	0.3433	0.4156	0.4881	0.5607	0.6335	0.7064	0.7793	0.8523	0.9254	0.9986	1.0718	1.1451	1.2185	1.2918	1.3653	25.1
35.1-37.0	39.7- 41.8	0.1427	0.2218	0.3015	0.3816	0.4620	0.5427	0.6235	0.7045	0.7856	0.8669	0.9482	1.0296	1.1110	1.1926	1.2742	1.3558	1.4375	1.5193	25.7
37.1-39.0	42.0- 44.1	0.1576	0.2450	0.3330	0.4216	0.5105	0.5998	0.6892	0.7789	0.8686	0.9585	1.0485	1.1385	1.2287	1.3189	1.4092	1.4996	1.5901	1.6805	26.3
39.1-41.0	44.2- 46.4	0.1732	0.2691	0.3659	0.4633	0.5612	0.6593	0.7578	0.8564	0.9552	1.0541	1.1531	1.2523	1.3515	1.4508	1.5502	1.6497	1.7493	1.8489	26.8
41.1-43.0	46.5- 48.7	0.1894	0.2943	0.4001	0.5067	0.6138	0.7213	0.8291	0.9371	1.0452	1.1536	1.2621	1.3706	1.4794	1.5882	1.6970	1.8060	1.9151	2.0242	27.2
43.1-45.0	48.8- 50.9	0.2063	0.3204	0.4356	0.5518	0.6685	0.7856	0.9031	1.0208	1.1388	1.2569	1.3752	1.4936	1.6122	1.7308	1.8496	1.9684	2.0873	2.2063	27.6
45.1-47.0	51.0- 53.2	0.2239	0.3475	0.4725	0.5984	0.7251	0.8523	0.9798	1.1076	1.2357	1.3640	1.4925	1.6211	1.7498	1.8787	2.0077	2.1367	2.2659	2.3952	28.0
47.1-49.0	53.3- 55.4	0.2421	0.3756	0.5106	0.6467	0.7837	0.9212	1.0591	1.1974	1.3360	1.4748	1.6138	1.7530	1.8923	2.0317	2.1713	2.3110	2.4508	2.5907	28.3
49.1-51.0	55.6- 57.7	0.2610	0.4046	0.5499	0.6965	0.8441	0.9924	1.1411	1.2902	1.4396	1.5892	1.7391	1.8892	2.0394	2.1898	2.3403	2.4910	2.6417	2.7926	28.6
51.1-53.0	57.8- 60.0	0.2806	0.4345	0.5905	0.7479	0.9065	1.0657	1.2255	1.3858	1.5463	1.7072	1.8683	2.0296	2.1911	2.3528	2.5146	2.6766	2.8387	3.0009	28.9
53.1-55.0	60.1- 62.2	0.3008	0.4654	0.6323	0.8009	0.9706	1.1412	1.3125	1.4842	1.6563	1.8287	2.0014	2.1743	2.3474	2.5207	2.6942	2.8678	3.0416	3.2155	29.1
55.1-57.0	62.3- 64.5	0.3217	0.4972	0.6753	0.8553	1.0366	1.2189	1.4019	1.5854	1.7693	1.9536	2.1382	2.3230	2.5081	2.6934	2.8789	3.0645	3.2503	3.4362	29.3
57.1-59.0	64.6- 66.7	0.3432	0.5300	0.7195	0.9112	1.1044	1.2986	1.4937	1.6893	1.8854	2.0819	2.2787	2.4758	2.6732	2.8708	3.0686	3.2666	3.4647	3.6630	29.5
59.1-61.0	66.8- 69.0	0.3654	0.5636	0.7649	0.9686	1.1739	1.3804	1.5878	1.7959	2.0045	2.2135	2.4229	2.6326	2.8426	3.0528	3.2632	3.4739	3.6847	3.8957	29.7
61.1-63.0	69.1- 71.2	0.3883	0.5982	0.8114	1.0274	1.2451	1.4642	1.6843	1.9051	2.1265	2.3484	2.5706	2.7932	3.0161	3.2393	3.4627	3.6864	3.9102	4.1342	29.9
63.1-65.0	71.3- 73.5	0.4119	0.6337	0.8591	1.0876	1.3181	1.5501	1.7831	2.0169	2.2514	2.4864	2.7219	2.9577	3.1939	3.4303	3.6670	3.9040	4.1411	4.3785	30.0
65.1-67.0	73.6- 75.7	0.4362	0.6701	0.9080	1.1492	1.3927	1.6378	1.8841	2.1313	2.3792	2.6276	2.8766	3.1259	3.3756	3.6257	3.8760	4.1265	4.3773	4.6283	30.1
67.1-69.0	75.8- 77.9	0.4611	0.7074	0.9580	1.2122	1.4690	1.7275	1.9873	2.2481	2.5097	2.7719	3.0346	3.2978	3.5614	3.8253	4.0895	4.3540	4.6188	4.8838	30.2
69.1-71.0	78.1- 80.2	0.4868	0.7456	1.0091	1.2766	1.5469	1.8191	2.0927	2.3674	2.6430	2.9192	3.1961	3.4734	3.7511	4.0292	4.3076	4.5864	4.8653	5.1446	30.3
71.1-73.0	80.3- 82.4	0.5131	0.7847	1.0613	1.3424	1.6264	1.9126	2.2003	2.4891	2.7790	3.0695	3.3607	3.6525	3.9446	4.2372	4.5301	4.8234	5.1169	5.4108	30.4
73.1-75.0	82.5- 84.6	0.5402	0.8247	1.1147	1.4094	1.7075	2.0078	2.3099	2.6132	2.9176	3.2228	3.5286	3.8350	4.1420	4.4493	4.7570	5.0651	5.3735	5.6822	30.5
75.1-77.0	84.8- 86.9	0.5680	0.8656	1.1691	1.4778	1.7901	2.1050	2.4216	2.7397	3.0588	3.3789	3.6997	4.0211	4.3430	4.6654	4.9882	5.3114	5.6349	5.9587	30.6
77.1-79.0	87.0- 89.1	0.5965	0.9074	1.2247	1.5476	1.8743	2.2038	2.5354	2.8684	3.2026	3.5378	3.8738	4.2105	4.5477	4.8854	5.2236	5.5622	5.9011	6.2403	30.6
79.1-81.0	89.2- 91.3	0.6258	0.9501	1.2813	1.6186	1.9600	2.3045	2.6511	2.9994	3.3489	3.6995	4.0510	4.4032	4.7560	5.1093	5.4631	5.8173	6.1720	6.5269	30.7

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 3. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 9, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.4- 3.4	0.0004	0.0007	0.0009	0.0011	0.0013	0.0015	0.0017	0.0020	0.0022	0.0024	0.0026	0.0028	0.0031	0.0033	0.0035	0.0037	0.0039	0.0042	2.5
3.1- 5.0	3.5- 5.6	0.0022	0.0034	0.0046	0.0058	0.0070	0.0082	0.0094	0.0106	0.0118	0.0130	0.0142	0.0154	0.0166	0.0178	0.0190	0.0202	0.0214	0.0226	4.3
5.1- 7.0	5.7- 7.8	0.0048	0.0074	0.0101	0.0128	0.0155	0.0182	0.0209	0.0236	0.0263	0.0290	0.0317	0.0344	0.0372	0.0399	0.0426	0.0453	0.0481	0.0508	6.3
7.1- 9.0	7.9- 10.0	0.0082	0.0129	0.0176	0.0223	0.0270	0.0318	0.0366	0.0413	0.0461	0.0509	0.0557	0.0605	0.0653	0.0701	0.0749	0.0797	0.0845	0.0893	8.3
9.1-11.0	10.1- 12.2	0.0125	0.0196	0.0268	0.0341	0.0415	0.0488	0.0562	0.0636	0.0710	0.0785	0.0859	0.0933	0.1008	0.1082	0.1157	0.1231	0.1306	0.1381	10.2
11.1-13.0	12.3- 14.4	0.0176	0.0277	0.0379	0.0483	0.0587	0.0692	0.0797	0.0903	0.1009	0.1115	0.1221	0.1327	0.1433	0.1540	0.1646	0.1753	0.1860	0.1966	12.1
13.1-15.0	14.5- 16.6	0.0236	0.0370	0.0507	0.0646	0.0787	0.0928	0.1070	0.1212	0.1355	0.1498	0.1641	0.1785	0.1928	0.2072	0.2216	0.2360	0.2504	0.2648	13.9
15.1-17.0	16.8- 18.9	0.0304	0.0475	0.0651	0.0831	0.1012	0.1194	0.1378	0.1562	0.1747	0.1932	0.2118	0.2304	0.2490	0.2676	0.2863	0.3049	0.3236	0.3423	15.6
17.1-19.0	19.0- 21.2	0.0381	0.0593	0.0812	0.1036	0.1262	0.1491	0.1721	0.1952	0.2184	0.2416	0.2649	0.2882	0.3116	0.3350	0.3585	0.3819	0.4054	0.4289	17.1
19.1-21.0	21.3- 23.5	0.0467	0.0724	0.0990	0.1262	0.1538	0.1817	0.2098	0.2380	0.2664	0.2948	0.3233	0.3519	0.3806	0.4092	0.4380	0.4667	0.4955	0.5243	18.6
21.1-23.0	23.6- 25.8	0.0563	0.0867	0.1183	0.1508	0.1837	0.2171	0.2507	0.2846	0.3186	0.3527	0.3869	0.4213	0.4556	0.4901	0.5246	0.5591	0.5937	0.6283	19.9
23.1-25.0	25.9- 28.1	0.0670	0.1024	0.1393	0.1773	0.2161	0.2553	0.2949	0.3348	0.3749	0.4152	0.4556	0.4961	0.5367	0.5774	0.6181	0.6589	0.6998	0.7407	21.1
25.1-27.0	28.2- 30.4	0.0788	0.1195	0.1620	0.2059	0.2508	0.2963	0.3423	0.3886	0.4352	0.4821	0.5291	0.5762	0.6235	0.6709	0.7184	0.7659	0.8135	0.8612	22.3
27.1-29.0	30.5- 32.7	0.0917	0.1379	0.1863	0.2364	0.2878	0.3399	0.3927	0.4459	0.4995	0.5533	0.6074	0.6616	0.7160	0.7706	0.8252	0.8799	0.9348	0.9897	23.3
29.1-31.0	32.9- 35.1	0.1060	0.1578	0.2123	0.2690	0.3271	0.3863	0.4462	0.5066	0.5676	0.6288	0.6904	0.7521	0.8141	0.8762	0.9385	1.0008	1.0633	1.1259	24.3
31.1-33.0	35.2- 37.5	0.1216	0.1793	0.2401	0.3035	0.3687	0.4352	0.5026	0.5707	0.6394	0.7084	0.7779	0.8476	0.9175	0.9876	1.0580	1.1284	1.1990	1.2697	25.1
33.1-35.0	37.6- 39.9	0.1387	0.2024	0.2697	0.3401	0.4126	0.4868	0.5620	0.6381	0.7149	0.7922	0.8698	0.9479	1.0262	1.1048	1.1836	1.2625	1.3416	1.4209	25.9
35.1-37.0	40.0- 42.3	0.1574	0.2271	0.3011	0.3787	0.4589	0.5409	0.6243	0.7088	0.7940	0.8798	0.9662	1.0530	1.1401	1.2275	1.3151	1.4030	1.4911	1.5793	26.6
37.1-39.0	42.4- 44.7	0.1778	0.2536	0.3343	0.4193	0.5074	0.5977	0.6896	0.7827	0.8767	0.9714	1.0668	1.1627	1.2590	1.3556	1.4525	1.5497	1.6471	1.7448	27.3
39.1-41.0	44.8- 47.1	0.2000	0.2820	0.3696	0.4621	0.5583	0.6570	0.7577	0.8597	0.9629	1.0669	1.1717	1.2770	1.3828	1.4890	1.5956	1.7025	1.8097	1.9171	27.9
41.1-43.0	47.2- 49.6	0.2241	0.3123	0.4068	0.5071	0.6115	0.7190	0.8286	0.9399	1.0525	1.1662	1.2806	1.3958	1.5115	1.6277	1.7443	1.8613	1.9786	2.0962	28.4
43.1-45.0	49.7- 52.0	0.2504	0.3447	0.4461	0.5542	0.6671	0.7835	0.9024	1.0233	1.1456	1.2691	1.3936	1.5190	1.6449	1.7715	1.8985	2.0259	2.1537	2.2818	28.9
45.1-47.0	52.1- 54.5	0.2789	0.3792	0.4875	0.6036	0.7251	0.8506	0.9790	1.1097	1.2421	1.3758	1.5107	1.6465	1.7830	1.9202	2.0580	2.1962	2.3349	2.4739	29.4
47.1-49.0	54.6- 57.0	0.3098	0.4160	0.5312	0.6553	0.7856	0.9204	1.0585	1.1992	1.3419	1.4861	1.6317	1.7782	1.9257	2.0739	2.2228	2.3721	2.5220	2.6723	29.8
49.1-51.0	57.1- 59.5	0.3433	0.4551	0.5772	0.7093	0.8485	0.9928	1.1408	1.2918	1.4450	1.6000	1.7565	1.9142	2.0729	2.2324	2.3927	2.5535	2.7150	2.8769	30.2
51.1-53.0	59.6- 62.0	0.3796	0.4968	0.6257	0.7657	0.9139	1.0678	1.2260	1.3875	1.5515	1.7175	1.8852	2.0543	2.2245	2.3956	2.5676	2.7403	2.9137	3.0875	30.5
53.1-55.0	62.1- 64.5	0.4189	0.5412	0.6766	0.8247	0.9818	1.1455	1.3140	1.4862	1.6612	1.8385	2.0177	2.1984	2.3804	2.5635	2.7476	2.9324	3.1179	3.3041	30.8
55.1-57.0	64.7- 67.1	0.4614	0.5883	0.7301	0.8861	1.0524	1.2259	1.4049	1.5879	1.7742	1.9630	2.1540	2.3466	2.5407	2.7360	2.9324	3.1296	3.3277	3.5264	31.1
57.1-59.0	67.2- 69.6	0.5073	0.6384	0.7863	0.9502	1.1256	1.3091	1.4986	1.6928	1.8905	2.0910	2.2939	2.4988	2.7052	2.9130	3.1220	3.3319	3.5428	3.7545	31.3
59.1-61.0	69.8- 72.2	0.5569	0.6916	0.8453	1.0170	1.2015	1.3951	1.5953	1.8006	2.0100	2.2225	2.4376	2.6548	2.8739	3.0944	3.3163	3.5393	3.7632	3.9881	31.6
61.1-63.0	72.3- 74.8	0.6104	0.7481	0.9072	1.0866	1.2802	1.4838	1.6949	1.9116	2.1327	2.3574	2.5849	2.8148	3.0467	3.2802	3.5152	3.7515	3.9889	4.2272	31.8
63.1-65.0	74.9- 77.4	0.6681	0.8080	0.9722	1.1591	1.3617	1.5755	1.7974	2.0256	2.2587	2.4957	2.7358	2.9786	3.2235	3.4703	3.7188	3.9686	4.2196	4.4717	32.0
65.1-67.0	77.5- 80.0	0.7303	0.8716	1.0403	1.2345	1.4461	1.6700	1.9029	2.1427	2.3879	2.6374	2.8903	3.1461	3.4044	3.6647	3.9268	4.1904	4.4553	4.7214	32.1
67.1-69.0	80.2- 82.7	0.7973	0.9390	1.1118	1.3129	1.5334	1.7675	2.0114	2.2630	2.5204	2.7825	3.0484	3.3175	3.5893	3.8633	4.1393	4.4169	4.6960	4.9764	32.3
69.1-71.0	82.8- 85.3	0.8695	1.0104	1.1867	1.3945	1.6238	1.8679	2.1230	2.3863	2.6560	2.9309	3.2100	3.4926	3.7781	4.0661	4.3561	4.6480	4.9416	5.2365	32.4
71.1-73.0	85.4- 88.0	0.9471	1.0861	1.2651	1.4794	1.7172	1.9715	2.2376	2.5128	2.7950	3.0828	3.3752	3.6714	3.9708	4.2729	4.5773	4.8837	5.1919	5.5016	32.5
73.1-75.0	88.1- 90.7	1.0307	1.1662	1.3473	1.5676	1.8138	2.0781	2.3553	2.6424	2.9372	3.2381	3.5440	3.8540	4.1674	4.4838	4.8027	5.1239	5.4469	5.7716	32.7
75.1-77.0	90.8- 93.3	1.1205	1.2511	1.4333	1.6592	1.9137	2.1879	2.4762	2.7753	3.0827	3.3967	3.7162	4.0401	4.3678	4.6988	5.0324	5.3684	5.7065	6.0464	32.8
77.1-79.0	93.5- 96.1	1.2171	1.3409	1.5234	1.7544	2.0169	2.3009	2.6003	2.9113	3.2314	3.5587	3.8919	4.2300	4.5721	4.9177	5.2662	5.6173	5.9707	6.3261	32.9
79.1-81.0	96.2- 98.8	1.3208	1.4359	1.6177	1.8533	2.1235	2.4171	2.7276	3.0506	3.3835	3.7242	4.0712	4.4234	4.7801	5.1405	5.5042	5.8706	6.2394	6.6104	32.9

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 4. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	0.7- 2.9	0.0004	0.0007	0.0009	0.0011	0.0013	0.0016	0.0018	0.0020	0.0022	0.0024	0.0027	0.0029	0.0031	0.0033	0.0036	0.0038	0.0040	0.0042	2.7
3.1- 5.0	3.0- 5.2	0.0022	0.0033	0.0045	0.0056	0.0068	0.0080	0.0091	0.0103	0.0115	0.0126	0.0138	0.0150	0.0162	0.0173	0.0185	0.0197	0.0208	0.0220	4.5
5.1- 7.0	5.3- 7.4	0.0048	0.0074	0.0100	0.0126	0.0152	0.0178	0.0205	0.0231	0.0257	0.0284	0.0310	0.0337	0.0363	0.0389	0.0416	0.0442	0.0469	0.0495	6.4
7.1- 9.0	7.6- 9.7	0.0083	0.0128	0.0174	0.0221	0.0267	0.0313	0.0360	0.0406	0.0453	0.0499	0.0546	0.0592	0.0639	0.0686	0.0733	0.0779	0.0826	0.0873	8.3
9.1-11.0	9.9- 12.0	0.0126	0.0197	0.0268	0.0339	0.0411	0.0483	0.0555	0.0627	0.0699	0.0771	0.0843	0.0916	0.0988	0.1061	0.1133	0.1206	0.1278	0.1351	10.1
11.1-13.0	12.2- 14.4	0.0178	0.0278	0.0379	0.0481	0.0583	0.0686	0.0789	0.0891	0.0995	0.1098	0.1201	0.1304	0.1408	0.1511	0.1615	0.1719	0.1823	0.1926	11.9
13.1-15.0	14.5- 16.7	0.0238	0.0372	0.0508	0.0645	0.0783	0.0921	0.1060	0.1199	0.1338	0.1477	0.1617	0.1757	0.1896	0.2036	0.2176	0.2316	0.2456	0.2597	13.6
15.1-17.0	16.8- 19.0	0.0306	0.0479	0.0654	0.0831	0.1009	0.1188	0.1368	0.1548	0.1728	0.1908	0.2089	0.2270	0.2451	0.2633	0.2814	0.2996	0.3178	0.3359	15.1
17.1-19.0	19.1- 21.3	0.0382	0.0598	0.0817	0.1038	0.1261	0.1486	0.1711	0.1937	0.2163	0.2389	0.2616	0.2844	0.3071	0.3299	0.3527	0.3755	0.3983	0.4212	16.6
19.1-21.0	21.4- 23.6	0.0467	0.0728	0.0995	0.1266	0.1538	0.1813	0.2088	0.2364	0.2641	0.2919	0.3197	0.3475	0.3754	0.4033	0.4312	0.4592	0.4872	0.5152	18.0
21.1-23.0	23.7- 25.9	0.0560	0.0871	0.1190	0.1513	0.1839	0.2168	0.2498	0.2830	0.3162	0.3495	0.3829	0.4163	0.4498	0.4833	0.5169	0.5504	0.5841	0.6177	19.2
23.1-25.0	26.0- 28.3	0.0661	0.1026	0.1400	0.1780	0.2164	0.2552	0.2941	0.3332	0.3724	0.4117	0.4511	0.4906	0.5302	0.5697	0.6094	0.6490	0.6887	0.7285	20.4
25.1-27.0	28.4- 30.6	0.0772	0.1193	0.1625	0.2066	0.2512	0.2962	0.3415	0.3870	0.4326	0.4784	0.5243	0.5702	0.6163	0.6624	0.7086	0.7548	0.8010	0.8473	21.5
27.1-29.0	30.7- 32.9	0.0891	0.1372	0.1866	0.2371	0.2883	0.3399	0.3920	0.4442	0.4967	0.5494	0.6022	0.6551	0.7080	0.7611	0.8143	0.8675	0.9207	0.9740	22.5
29.1-31.0	33.0- 35.3	0.1021	0.1563	0.2122	0.2694	0.3275	0.3862	0.4454	0.5049	0.5646	0.6246	0.6847	0.7449	0.8053	0.8657	0.9263	0.9869	1.0476	1.1084	23.4
31.1-33.0	35.4- 37.6	0.1160	0.1766	0.2393	0.3036	0.3690	0.4351	0.5018	0.5688	0.6362	0.7039	0.7717	0.8397	0.9079	0.9761	1.0445	1.1130	1.1815	1.2502	24.3
33.1-35.0	37.7- 39.9	0.1309	0.1982	0.2680	0.3396	0.4126	0.4864	0.5610	0.6360	0.7114	0.7871	0.8631	0.9393	1.0156	1.0921	1.1687	1.2455	1.3223	1.3992	25.0
35.1-37.0	40.1- 42.3	0.1470	0.2212	0.2982	0.3774	0.4583	0.5402	0.6230	0.7063	0.7901	0.8743	0.9588	1.0435	1.1284	1.2135	1.2988	1.3842	1.4697	1.5553	25.8
37.1-39.0	42.4- 44.6	0.1641	0.2454	0.3299	0.4171	0.5061	0.5964	0.6877	0.7797	0.8723	0.9653	1.0587	1.1523	1.2462	1.3403	1.4346	1.5290	1.6236	1.7183	26.4
39.1-41.0	44.7- 47.0	0.1825	0.2710	0.3632	0.4585	0.5560	0.6550	0.7552	0.8562	0.9578	1.0600	1.1626	1.2655	1.3687	1.4722	1.5759	1.6798	1.7838	1.8880	27.0
41.1-43.0	47.1- 49.3	0.2021	0.2980	0.3980	0.5017	0.6079	0.7159	0.8252	0.9356	1.0466	1.1583	1.2705	1.3831	1.4960	1.6092	1.7226	1.8363	1.9501	2.0642	27.6
43.1-45.0	49.5- 51.7	0.2230	0.3264	0.4344	0.5467	0.6619	0.7791	0.8979	1.0178	1.1387	1.2602	1.3823	1.5048	1.6278	1.7510	1.8746	1.9984	2.1225	2.2467	28.1
45.1-47.0	51.8- 54.1	0.2453	0.3563	0.4725	0.5935	0.7178	0.8446	0.9731	1.1030	1.2338	1.3655	1.4978	1.6307	1.7640	1.8977	2.0318	2.1661	2.3007	2.4355	28.5
47.1-49.0	54.2- 56.4	0.2691	0.3877	0.5122	0.6421	0.7758	0.9124	1.0509	1.1909	1.3321	1.4742	1.6171	1.7606	1.9046	2.0491	2.1939	2.3391	2.4845	2.6302	29.0
49.1-51.0	56.5- 58.8	0.2943	0.4207	0.5535	0.6925	0.8359	0.9823	1.1311	1.2816	1.4334	1.5862	1.7400	1.8944	2.0494	2.2050	2.3609	2.5173	2.6739	2.8309	29.4
51.1-53.0	58.9- 61.2	0.3212	0.4553	0.5966	0.7448	0.8979	1.0545	1.2138	1.3749	1.5376	1.7015	1.8664	2.0321	2.1984	2.3653	2.5327	2.7005	2.8687	3.0373	29.7
53.1-55.0	61.3- 63.5	0.3497	0.4915	0.6413	0.7988	0.9619	1.1289	1.2988	1.4710	1.6448	1.8200	1.9963	2.1735	2.3514	2.5300	2.7092	2.8888	3.0688	3.2492	30.0
55.1-57.0	63.7- 65.9	0.3799	0.5295	0.6879	0.8548	1.0279	1.2055	1.3863	1.5696	1.7549	1.9416	2.1296	2.3186	2.5084	2.6990	2.8901	3.0818	3.2740	3.4666	30.3
57.1-59.0	66.0- 68.3	0.4121	0.5693	0.7362	0.9126	1.0960	1.2843	1.4762	1.6709	1.8677	2.0663	2.2662	2.4672	2.6692	2.8720	3.0755	3.2796	3.4842	3.6893	30.6
59.1-61.0	68.4- 70.7	0.4461	0.6109	0.7863	0.9723	1.1660	1.3652	1.5684	1.7747	1.9834	2.1939	2.4060	2.6194	2.8338	3.0491	3.2652	3.4820	3.6993	3.9171	30.9
61.1-63.0	70.8- 73.1	0.4822	0.6545	0.8383	1.0340	1.2381	1.4483	1.6629	1.8810	2.1017	2.3245	2.5491	2.7750	3.0021	3.2302	3.4591	3.6888	3.9191	4.1500	31.1
63.1-65.0	73.2- 75.5	0.5204	0.7000	0.8923	1.0975	1.3122	1.5335	1.7598	1.9898	2.2228	2.4581	2.6952	2.9340	3.1740	3.4151	3.6571	3.9000	4.1436	4.3878	31.3
65.1-67.0	75.6- 77.9	0.5609	0.7476	0.9482	1.1631	1.3883	1.6209	1.8589	2.1011	2.3465	2.5944	2.8445	3.0962	3.3494	3.6038	3.8592	4.1155	4.3726	4.6303	31.5
67.1-69.0	78.0- 80.3	0.6037	0.7973	1.0061	1.2306	1.4665	1.7104	1.9604	2.2148	2.4728	2.7336	2.9967	3.2617	3.5282	3.7961	4.0651	4.3351	4.6059	4.8776	31.6
69.1-71.0	80.4- 82.7	0.6490	0.8492	1.0661	1.3002	1.5467	1.8021	2.0641	2.3310	2.6017	2.8756	3.1519	3.4303	3.7105	3.9921	4.2749	4.5588	4.8436	5.1293	31.8
71.1-73.0	82.8- 85.1	0.6969	0.9034	1.1281	1.3718	1.6291	1.8960	2.1700	2.4495	2.7332	3.0203	3.3101	3.6021	3.8960	4.1915	4.4884	4.7864	5.0855	5.3855	31.9
73.1-75.0	85.2- 87.5	0.7475	0.9599	1.1924	1.4455	1.7135	1.9920	2.2783	2.5704	2.8672	3.1676	3.4710	3.7769	4.0848	4.3944	4.7055	5.0179	5.3315	5.6460	32.1
75.1-77.0	87.6- 89.9	0.8009	1.0189	1.2588	1.5214	1.8000	2.0902	2.3887	2.6937	3.0037	3.3177	3.6348	3.9547	4.2768	4.6007	4.9263	5.2532	5.5814	5.9107	32.2
77.1-79.0	90.0- 92.3	0.8574	1.0804	1.3276	1.5994	1.8887	2.1905	2.5015	2.8194	3.1427	3.4703	3.8014	4.1354	4.4718	4.8103	5.1505	5.4922	5.8352	6.1794	32.3
79.1-81.0	92.5- 94.8	0.9170	1.1446	1.3986	1.6796	1.9796	2.2930	2.6164	2.9473	3.2841	3.6255	3.9707	4.3190	4.6699	5.0231	5.3781	5.7348	6.0929	6.4522	32.4

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Table 6. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	6.9- 9.2	0.0009	0.0016	0.0023	0.0029	0.0036	0.0042	0.0049	0.0055	0.0062	0.0068	0.0075	0.0082	0.0088	0.0095	0.0101	0.0108	0.0115	0.0122	7.3
9.1-11.0	9.4- 11.7	0.0060	0.0105	0.0150	0.0197	0.0243	0.0289	0.0336	0.0383	0.0430	0.0477	0.0524	0.0571	0.0618	0.0665	0.0713	0.0760	0.0807	0.0855	8.8
11.1-13.0	11.9- 14.2	0.0109	0.0189	0.0271	0.0353	0.0435	0.0518	0.0601	0.0684	0.0767	0.0851	0.0935	0.1018	0.1102	0.1186	0.1270	0.1354	0.1438	0.1522	10.2
13.1-15.0	14.3- 16.7	0.0161	0.0278	0.0397	0.0518	0.0638	0.0760	0.0882	0.1003	0.1126	0.1248	0.1371	0.1493	0.1616	0.1739	0.1862	0.1985	0.2109	0.2232	11.6
15.1-17.0	16.8- 19.1	0.0216	0.0375	0.0536	0.0698	0.0861	0.1025	0.1190	0.1355	0.1520	0.1686	0.1851	0.2017	0.2183	0.2350	0.2516	0.2683	0.2850	0.3016	13.0
17.1-19.0	19.2- 21.6	0.0276	0.0480	0.0687	0.0896	0.1106	0.1317	0.1529	0.1741	0.1954	0.2167	0.2381	0.2595	0.2809	0.3023	0.3237	0.3452	0.3667	0.3882	14.2
19.1-21.0	21.7- 24.0	0.0341	0.0594	0.0851	0.1110	0.1372	0.1635	0.1898	0.2163	0.2428	0.2693	0.2959	0.3226	0.3492	0.3760	0.4027	0.4294	0.4562	0.4830	15.5
21.1-23.0	24.1- 26.4	0.0411	0.0716	0.1027	0.1342	0.1659	0.1978	0.2298	0.2619	0.2941	0.3263	0.3586	0.3910	0.4234	0.4558	0.4883	0.5208	0.5534	0.5859	16.6
23.1-25.0	26.5- 28.8	0.0485	0.0847	0.1216	0.1590	0.1967	0.2346	0.2726	0.3108	0.3491	0.3875	0.4260	0.4645	0.5031	0.5417	0.5804	0.6191	0.6579	0.6967	17.8
25.1-27.0	28.9- 31.2	0.0564	0.0986	0.1417	0.1854	0.2294	0.2737	0.3183	0.3630	0.4078	0.4528	0.4978	0.5430	0.5881	0.6334	0.6787	0.7241	0.7695	0.8150	18.8
27.1-29.0	31.3- 33.6	0.0647	0.1132	0.1629	0.2132	0.2640	0.3152	0.3666	0.4182	0.4700	0.5219	0.5740	0.6261	0.6783	0.7306	0.7830	0.8354	0.8879	0.9405	19.8
29.1-31.0	33.7- 35.9	0.0734	0.1287	0.1852	0.2425	0.3004	0.3587	0.4174	0.4763	0.5354	0.5947	0.6542	0.7137	0.7734	0.8331	0.8930	0.9529	1.0129	1.0729	20.8
31.1-33.0	36.0- 38.3	0.0826	0.1448	0.2085	0.2731	0.3385	0.4044	0.4706	0.5372	0.6040	0.6710	0.7382	0.8056	0.8730	0.9406	1.0083	1.0761	1.1439	1.2119	21.8
33.1-35.0	38.4- 40.6	0.0922	0.1617	0.2328	0.3051	0.3782	0.4519	0.5261	0.6007	0.6756	0.7507	0.8260	0.9015	0.9771	1.0529	1.1288	1.2048	1.2809	1.3571	22.6
35.1-37.0	40.7- 42.9	0.1023	0.1793	0.2581	0.3383	0.4194	0.5013	0.5838	0.6666	0.7499	0.8334	0.9172	1.0011	1.0853	1.1696	1.2541	1.3386	1.4233	1.5081	23.5
37.1-39.0	43.1- 45.3	0.1128	0.1976	0.2843	0.3726	0.4621	0.5524	0.6434	0.7349	0.8268	0.9191	1.0116	1.1044	1.1974	1.2906	1.3839	1.4774	1.5710	1.6647	24.3
39.1-41.0	45.4- 47.6	0.1238	0.2165	0.3115	0.4081	0.5062	0.6052	0.7050	0.8054	0.9063	1.0075	1.1091	1.2110	1.3131	1.4155	1.5180	1.6207	1.7236	1.8266	25.1
41.1-43.0	47.7- 49.8	0.1351	0.2362	0.3394	0.4447	0.5515	0.6595	0.7684	0.8779	0.9880	1.0986	1.2095	1.3208	1.4323	1.5441	1.6561	1.7683	1.8807	1.9933	25.8
43.1-45.0	50.0- 52.1	0.1469	0.2564	0.3682	0.4823	0.5981	0.7153	0.8334	0.9523	1.0719	1.1920	1.3126	1.4335	1.5547	1.6763	1.7980	1.9200	2.0422	2.1646	26.5
45.1-47.0	52.2- 54.4	0.1592	0.2773	0.3979	0.5209	0.6459	0.7724	0.9000	1.0286	1.1579	1.2878	1.4181	1.5489	1.6801	1.8116	1.9434	2.0754	2.2077	2.3401	27.1
47.1-49.0	54.5- 56.6	0.1719	0.2988	0.4283	0.5604	0.6948	0.8308	0.9681	1.1065	1.2457	1.3856	1.5260	1.6670	1.8083	1.9500	2.0920	2.2343	2.3768	2.5196	27.8
49.1-51.0	56.7- 58.9	0.1851	0.3210	0.4594	0.6009	0.7447	0.8904	1.0376	1.1860	1.3353	1.4854	1.6361	1.7873	1.9390	2.0912	2.2436	2.3964	2.5495	2.7028	28.4
51.1-53.0	59.0- 61.1	0.1987	0.3438	0.4913	0.6421	0.7956	0.9512	1.1084	1.2670	1.4265	1.5870	1.7481	1.9099	2.0722	2.2349	2.3980	2.5615	2.7253	2.8894	28.9
53.1-55.0	61.2- 63.3	0.2129	0.3672	0.5240	0.6843	0.8475	1.0131	1.1804	1.3493	1.5193	1.6902	1.8620	2.0345	2.2075	2.3810	2.5550	2.7294	2.9041	3.0791	29.5
55.1-57.0	63.4- 65.5	0.2274	0.3912	0.5573	0.7272	0.9002	1.0759	1.2536	1.4328	1.6134	1.7951	1.9776	2.1609	2.3448	2.5293	2.7143	2.8997	3.0855	3.2717	30.0
57.1-59.0	65.6- 67.7	0.2425	0.4158	0.5913	0.7708	0.9538	1.1397	1.3277	1.5176	1.7088	1.9013	2.0947	2.2890	2.4840	2.6796	2.8757	3.0723	3.2694	3.4668	30.5
59.1-61.0	67.8- 69.9	0.2581	0.4410	0.6260	0.8152	1.0082	1.2043	1.4029	1.6033	1.8054	2.0088	2.2132	2.4186	2.6248	2.8316	3.0391	3.2470	3.4555	3.6643	30.9
61.1-63.0	70.0- 72.0	0.2742	0.4669	0.6614	0.8603	1.0634	1.2698	1.4789	1.6901	1.9031	2.1175	2.3330	2.5496	2.7671	2.9853	3.2041	3.4236	3.6435	3.8639	31.4
63.1-65.0	72.1- 74.2	0.2908	0.4934	0.6974	0.9061	1.1193	1.3361	1.5557	1.7778	2.0017	2.2272	2.4540	2.6819	2.9107	3.1404	3.3707	3.6018	3.8333	4.0654	31.8
65.1-67.0	74.3- 76.3	0.3079	0.5205	0.7340	0.9525	1.1758	1.4030	1.6333	1.8662	2.1012	2.3378	2.5759	2.8152	3.0555	3.2967	3.5387	3.7814	4.0247	4.2685	32.2
67.1-69.0	76.4- 78.5	0.3256	0.5482	0.7713	0.9996	1.2330	1.4706	1.7116	1.9554	2.2014	2.4493	2.6988	2.9495	3.2014	3.4542	3.7079	3.9623	4.2174	4.4731	32.6
69.1-71.0	78.6- 80.6	0.3438	0.5765	0.8092	1.0473	1.2908	1.5388	1.7906	2.0453	2.3024	2.5616	2.8224	3.0846	3.3481	3.6126	3.8781	4.1443	4.4113	4.6789	32.9
71.1-73.0	80.7- 82.7	0.3626	0.6054	0.8477	1.0955	1.3492	1.6076	1.8701	2.1357	2.4040	2.6744	2.9467	3.2205	3.4956	3.7718	4.0491	4.3272	4.6061	4.8857	33.3
73.1-75.0	82.8- 84.8	0.3819	0.6350	0.8868	1.1444	1.4081	1.6770	1.9501	2.2267	2.5061	2.7878	3.0715	3.3569	3.6437	3.9317	4.2208	4.5109	4.8017	5.0934	33.6
75.1-77.0	84.9- 86.8	0.4019	0.6652	0.9265	1.1938	1.4675	1.7468	2.0306	2.3181	2.6086	2.9017	3.1969	3.4938	3.7923	4.0921	4.3931	4.6951	4.9980	5.3017	33.9
77.1-79.0	86.9- 88.9	0.4224	0.6961	0.9668	1.2437	1.5274	1.8170	2.1115	2.4099	2.7116	3.0159	3.3226	3.6311	3.9413	4.2529	4.5658	4.8797	5.1947	5.5104	34.2
79.1-81.0	89.0- 90.9	0.4436	0.7276	1.0077	1.2941	1.5878	1.8877	2.1928	2.5020	2.8148	3.1305	3.4485	3.7687	4.0906	4.4140	4.7388	5.0647	5.3916	5.7195	34.5

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 7. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	11.9- 14.2	0.0047	0.0081	0.0114	0.0146	0.0179	0.0211	0.0243	0.0276	0.0308	0.0340	0.0372	0.0404	0.0436	0.0469	0.0501	0.0533	0.0565	0.0598	10.2
13.1-15.0	14.3- 16.7	0.0112	0.0198	0.0286	0.0375	0.0464	0.0554	0.0645	0.0736	0.0827	0.0918	0.1010	0.1102	0.1193	0.1285	0.1377	0.1469	0.1561	0.1654	11.6
15.1-17.0	16.8- 19.1	0.0177	0.0311	0.0448	0.0588	0.0728	0.0869	0.1011	0.1153	0.1296	0.1438	0.1581	0.1725	0.1868	0.2012	0.2155	0.2299	0.2443	0.2587	13.0
17.1-19.0	19.2- 21.6	0.0242	0.0426	0.0614	0.0804	0.0996	0.1189	0.1382	0.1576	0.1771	0.1966	0.2161	0.2357	0.2553	0.2749	0.2945	0.3141	0.3338	0.3535	14.2
19.1-21.0	21.7- 24.0	0.0311	0.0547	0.0788	0.1031	0.1277	0.1525	0.1773	0.2022	0.2272	0.2522	0.2772	0.3023	0.3275	0.3526	0.3778	0.4031	0.4283	0.4536	15.5
21.1-23.0	24.1- 26.4	0.0384	0.0674	0.0971	0.1272	0.1575	0.1881	0.2187	0.2495	0.2803	0.3113	0.3422	0.3732	0.4043	0.4354	0.4666	0.4977	0.5289	0.5602	16.6
23.1-25.0	26.5- 28.8	0.0460	0.0808	0.1165	0.1526	0.1891	0.2258	0.2627	0.2997	0.3368	0.3740	0.4113	0.4486	0.4860	0.5235	0.5610	0.5985	0.6361	0.6737	17.8
25.1-27.0	28.9- 31.2	0.0540	0.0950	0.1369	0.1795	0.2225	0.2657	0.3092	0.3528	0.3966	0.4405	0.4845	0.5285	0.5727	0.6168	0.6611	0.7054	0.7497	0.7941	18.8
27.1-29.0	31.3- 33.6	0.0625	0.1099	0.1585	0.2078	0.2576	0.3077	0.3582	0.4088	0.4596	0.5106	0.5617	0.6128	0.6641	0.7154	0.7668	0.8183	0.8698	0.9214	19.8
29.1-31.0	33.7- 35.9	0.0714	0.1255	0.1810	0.2374	0.2944	0.3518	0.4096	0.4676	0.5258	0.5842	0.6427	0.7014	0.7601	0.8190	0.8779	0.9369	0.9960	1.0552	20.8
31.1-33.0	36.0- 38.3	0.0806	0.1418	0.2045	0.2683	0.3328	0.3978	0.4632	0.5290	0.5950	0.6611	0.7275	0.7940	0.8607	0.9274	0.9942	1.0612	1.1282	1.1953	21.8
33.1-35.0	38.4- 40.6	0.0904	0.1589	0.2290	0.3005	0.3728	0.4457	0.5191	0.5929	0.6670	0.7413	0.8158	0.8905	0.9654	1.0404	1.1155	1.1907	1.2660	1.3415	22.6
35.1-37.0	40.7- 42.9	0.1005	0.1766	0.2545	0.3338	0.4142	0.4954	0.5771	0.6592	0.7417	0.8245	0.9075	0.9908	1.0742	1.1578	1.2415	1.3253	1.4093	1.4933	23.5
37.1-39.0	43.1- 45.3	0.1111	0.1949	0.2808	0.3684	0.4571	0.5467	0.6370	0.7278	0.8190	0.9106	1.0024	1.0945	1.1868	1.2793	1.3719	1.4647	1.5576	1.6506	24.3
39.1-41.0	45.4- 47.6	0.1221	0.2140	0.3081	0.4040	0.5013	0.5997	0.6988	0.7985	0.8987	0.9994	1.1003	1.2015	1.3030	1.4047	1.5065	1.6086	1.7108	1.8131	25.1
41.1-43.0	47.7- 49.8	0.1335	0.2336	0.3362	0.4407	0.5469	0.6542	0.7624	0.8713	0.9807	1.0907	1.2010	1.3116	1.4226	1.5337	1.6451	1.7567	1.8684	1.9803	25.8
43.1-45.0	50.0- 52.1	0.1454	0.2540	0.3651	0.4784	0.5936	0.7101	0.8276	0.9459	1.0649	1.1844	1.3043	1.4246	1.5453	1.6662	1.7873	1.9087	2.0303	2.1520	26.5
45.1-47.0	52.2- 54.4	0.1577	0.2749	0.3947	0.5171	0.6415	0.7673	0.8944	1.0223	1.1510	1.2803	1.4101	1.5404	1.6710	1.8019	1.9330	2.0645	2.1961	2.3280	27.1
47.1-49.0	54.5- 56.6	0.1704	0.2965	0.4252	0.5567	0.6904	0.8259	0.9626	1.1004	1.2390	1.3784	1.5182	1.6586	1.7994	1.9405	2.0820	2.2237	2.3657	2.5079	27.8
49.1-51.0	56.7- 58.9	0.1836	0.3187	0.4564	0.5972	0.7405	0.8856	1.0322	1.1801	1.3288	1.4783	1.6285	1.7792	1.9303	2.0819	2.2338	2.3861	2.5386	2.6914	28.4
51.1-53.0	59.0- 61.1	0.1973	0.3415	0.4884	0.6386	0.7915	0.9465	1.1031	1.2611	1.4202	1.5801	1.7407	1.9019	2.0637	2.2259	2.3885	2.5514	2.7147	2.8782	28.9
53.1-55.0	61.2- 63.3	0.2114	0.3650	0.5211	0.6807	0.8434	1.0084	1.1752	1.3435	1.5130	1.6835	1.8547	2.0266	2.1991	2.3722	2.5456	2.7195	2.8936	3.0681	29.5
55.1-57.0	63.4- 65.5	0.2261	0.3890	0.5545	0.7237	0.8962	1.0713	1.2484	1.4272	1.6072	1.7884	1.9704	2.1532	2.3366	2.5206	2.7051	2.8900	3.0753	3.2609	30.0
57.1-59.0	65.6- 67.7	0.2412	0.4137	0.5885	0.7674	0.9499	1.1351	1.3227	1.5120	1.7027	1.8947	2.0876	2.2814	2.4759	2.6710	2.8666	3.0628	3.2593	3.4562	30.5
59.1-61.0	67.8- 69.9	0.2568	0.4389	0.6232	0.8118	1.0043	1.1999	1.3979	1.5978	1.7994	2.0023	2.2062	2.4111	2.6168	2.8232	3.0301	3.2376	3.4455	3.6539	30.9
61.1-63.0	70.0- 72.0	0.2729	0.4648	0.6586	0.8570	1.0595	1.2654	1.4739	1.6847	1.8971	2.1110	2.3261	2.5422	2.7592	2.9769	3.1953	3.4143	3.6337	3.8536	31.4
63.1-65.0	72.1- 74.2	0.2895	0.4913	0.6947	0.9028	1.1154	1.3317	1.5508	1.7724	1.9958	2.2208	2.4471	2.6745	2.9029	3.1321	3.3620	3.5925	3.8236	4.0552	31.8
65.1-67.0	74.3- 76.3	0.3066	0.5184	0.7313	0.9493	1.1720	1.3986	1.6285	1.8609	2.0953	2.3315	2.5691	2.8079	3.0478	3.2885	3.5301	3.7723	4.0151	4.2585	32.2
67.1-69.0	76.4- 78.5	0.3243	0.5461	0.7686	0.9963	1.2292	1.4663	1.7068	1.9501	2.1956	2.4430	2.6920	2.9423	3.1937	3.4461	3.6993	3.9533	4.2079	4.4631	32.6
69.1-71.0	78.6- 80.6	0.3426	0.5745	0.8065	1.0440	1.2870	1.5345	1.7858	2.0400	2.2966	2.5553	2.8157	3.0775	3.3405	3.6045	3.8695	4.1353	4.4018	4.6690	32.9
71.1-73.0	80.7- 82.7	0.3614	0.6035	0.8450	1.0923	1.3454	1.6033	1.8653	2.1304	2.3982	2.6682	2.9400	3.2133	3.4880	3.7638	4.0406	4.3183	4.5967	4.8759	33.3
73.1-75.0	82.8- 84.8	0.3807	0.6331	0.8842	1.1412	1.4043	1.6727	1.9453	2.2214	2.5003	2.7816	3.0649	3.3498	3.6361	3.9237	4.2124	4.5020	4.7924	5.0836	33.6
75.1-77.0	84.9- 86.8	0.4007	0.6633	0.9239	1.1906	1.4638	1.7425	2.0258	2.3128	2.6029	2.8955	3.1902	3.4867	3.7848	4.0841	4.3847	4.6862	4.9886	5.2919	33.9
77.1-79.0	86.9- 88.9	0.4213	0.6942	0.9642	1.2405	1.5237	1.8128	2.1067	2.4047	2.7059	3.0098	3.3159	3.6240	3.9338	4.2450	4.5574	4.8709	5.1854	5.5007	34.2
79.1-81.0	89.0- 90.9	0.4424	0.7257	1.0051	1.2910	1.5841	1.8834	2.1880	2.4968	2.8091	3.1243	3.4419	3.7616	4.0831	4.4060	4.7303	5.0558	5.3823	5.7098	34.5

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 8. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	11.9- 14.2	0.0018	0.0030	0.0040	0.0050	0.0060	0.0070	0.0080	0.0090	0.0100	0.0111	0.0121	0.0131	0.0142	0.0153	0.0163	0.0174	0.0184	0.0195	10.2
13.1-15.0	14.3- 16.7	0.0087	0.0152	0.0218	0.0284	0.0351	0.0418	0.0486	0.0553	0.0621	0.0689	0.0757	0.0825	0.0893	0.0962	0.1030	0.1099	0.1167	0.1236	11.6
15.1-17.0	16.8- 19.1	0.0156	0.0276	0.0398	0.0523	0.0648	0.0775	0.0902	0.1029	0.1157	0.1285	0.1413	0.1542	0.1670	0.1799	0.1928	0.2058	0.2187	0.2316	13.0
17.1-19.0	19.2- 21.6	0.0225	0.0397	0.0574	0.0753	0.0934	0.1115	0.1298	0.1481	0.1665	0.1849	0.2033	0.2218	0.2403	0.2588	0.2773	0.2959	0.3144	0.3330	14.2
19.1-21.0	21.7- 24.0	0.0296	0.0522	0.0754	0.0988	0.1225	0.1464	0.1703	0.1943	0.2184	0.2425	0.2667	0.2909	0.3152	0.3395	0.3638	0.3881	0.4125	0.4369	15.5
21.1-23.0	24.1- 26.4	0.0370	0.0652	0.0941	0.1235	0.1530	0.1828	0.2127	0.2427	0.2728	0.3030	0.3332	0.3635	0.3938	0.4242	0.4546	0.4850	0.5155	0.5459	16.6
23.1-25.0	26.5- 28.8	0.0448	0.0789	0.1138	0.1493	0.1851	0.2212	0.2574	0.2937	0.3302	0.3667	0.4034	0.4401	0.4768	0.5136	0.5504	0.5873	0.6242	0.6612	17.8
25.1-27.0	28.9- 31.2	0.0529	0.0932	0.1345	0.1765	0.2188	0.2615	0.3044	0.3475	0.3906	0.4339	0.4773	0.5208	0.5644	0.6080	0.6516	0.6954	0.7391	0.7829	18.8
27.1-29.0	31.3- 33.6	0.0614	0.1082	0.1562	0.2050	0.2542	0.3039	0.3538	0.4039	0.4542	0.5046	0.5552	0.6058	0.6565	0.7073	0.7582	0.8091	0.8601	0.9112	19.8
29.1-31.0	33.7- 35.9	0.0704	0.1240	0.1789	0.2348	0.2913	0.3482	0.4055	0.4630	0.5208	0.5787	0.6367	0.6949	0.7532	0.8116	0.8700	0.9285	0.9871	1.0458	20.8
31.1-33.0	36.0- 38.3	0.0797	0.1404	0.2026	0.2659	0.3299	0.3944	0.4594	0.5247	0.5903	0.6560	0.7219	0.7880	0.8542	0.9205	0.9869	1.0534	1.1200	1.1866	21.8
33.1-35.0	38.4- 40.6	0.0895	0.1575	0.2272	0.2982	0.3700	0.4425	0.5155	0.5889	0.6626	0.7365	0.8106	0.8849	0.9593	1.0339	1.1086	1.1834	1.2583	1.3333	22.6
35.1-37.0	40.7- 42.9	0.0997	0.1752	0.2527	0.3316	0.4116	0.4924	0.5737	0.6554	0.7375	0.8199	0.9026	0.9854	1.0685	1.1517	1.2350	1.3184	1.4020	1.4857	23.5
37.1-39.0	43.1- 45.3	0.1103	0.1937	0.2791	0.3663	0.4546	0.5438	0.6338	0.7242	0.8150	0.9062	0.9977	1.0894	1.1814	1.2735	1.3658	1.4582	1.5507	1.6434	24.3
39.1-41.0	45.4- 47.6	0.1213	0.2127	0.3064	0.4020	0.4989	0.5969	0.6957	0.7951	0.8949	0.9952	1.0958	1.1967	1.2978	1.3991	1.5007	1.6023	1.7042	1.8062	25.1
41.1-43.0	47.7- 49.8	0.1327	0.2325	0.3346	0.4388	0.5445	0.6515	0.7594	0.8680	0.9771	1.0867	1.1967	1.3070	1.4176	1.5284	1.6395	1.7507	1.8621	1.9737	25.8
43.1-45.0	50.0- 52.1	0.1446	0.2528	0.3635	0.4765	0.5913	0.7075	0.8247	0.9427	1.0614	1.1805	1.3002	1.4202	1.5405	1.6611	1.7819	1.9030	2.0243	2.1457	26.5
45.1-47.0	52.2- 54.4	0.1569	0.2738	0.3933	0.5153	0.6393	0.7649	0.8916	1.0192	1.1476	1.2766	1.4061	1.5360	1.6663	1.7969	1.9278	2.0590	2.1903	2.3219	27.1
47.1-49.0	54.5- 56.6	0.1697	0.2954	0.4238	0.5549	0.6883	0.8235	0.9599	1.0974	1.2357	1.3748	1.5143	1.6544	1.7949	1.9357	2.0769	2.2183	2.3600	2.5019	27.8
49.1-51.0	56.7- 58.9	0.1829	0.3176	0.4550	0.5955	0.7384	0.8833	1.0296	1.1771	1.3256	1.4748	1.6247	1.7751	1.9260	2.0773	2.2289	2.3809	2.5331	2.6856	28.4
51.1-53.0	59.0- 61.1	0.1966	0.3405	0.4870	0.6369	0.7894	0.9442	1.1006	1.2583	1.4170	1.5766	1.7370	1.8979	2.0594	2.2214	2.3837	2.5464	2.7094	2.8726	28.9
53.1-55.0	61.2- 63.3	0.2108	0.3639	0.5197	0.6791	0.8414	1.0061	1.1727	1.3407	1.5099	1.6801	1.8511	2.0228	2.1950	2.3678	2.5410	2.7145	2.8885	3.0627	29.5
55.1-57.0	63.4- 65.5	0.2254	0.3880	0.5531	0.7220	0.8943	1.0691	1.2459	1.4244	1.6042	1.7851	1.9669	2.1494	2.3326	2.5163	2.7005	2.8852	3.0702	3.2556	30.0
57.1-59.0	65.6- 67.7	0.2405	0.4127	0.5872	0.7658	0.9479	1.1330	1.3202	1.5093	1.6998	1.8915	2.0842	2.2777	2.4719	2.6668	2.8622	3.0581	3.2544	3.4510	30.5
59.1-61.0	67.8- 69.9	0.2562	0.4380	0.6219	0.8102	1.0024	1.1977	1.3955	1.5952	1.7965	1.9991	2.2028	2.4075	2.6129	2.8190	3.0257	3.2330	3.4407	3.6488	30.9
61.1-63.0	70.0- 72.0	0.2723	0.4639	0.6573	0.8554	1.0576	1.2633	1.4716	1.6820	1.8943	2.1079	2.3228	2.5386	2.7554	2.9729	3.1910	3.4097	3.6289	3.8486	31.4
63.1-65.0	72.1- 74.2	0.2889	0.4904	0.6934	0.9012	1.1136	1.3296	1.5485	1.7698	1.9930	2.2177	2.4438	2.6710	2.8991	3.1281	3.3578	3.5881	3.8189	4.0503	31.8
65.1-67.0	74.3- 76.3	0.3061	0.5175	0.7301	0.9477	1.1702	1.3966	1.6262	1.8583	2.0925	2.3285	2.5659	2.8044	3.0441	3.2846	3.5259	3.7679	4.0105	4.2536	32.2
67.1-69.0	76.4- 78.5	0.3238	0.5452	0.7674	0.9948	1.2274	1.4642	1.7045	1.9476	2.1929	2.4400	2.6888	2.9388	3.1900	3.4422	3.6952	3.9489	4.2033	4.4583	32.6
69.1-71.0	78.6- 80.6	0.3420	0.5736	0.8053	1.0425	1.2852	1.5325	1.7835	2.0375	2.2939	2.5523	2.8125	3.0740	3.3368	3.6007	3.8654	4.1310	4.3973	4.6642	32.9
71.1-73.0	80.7- 82.7	0.3608	0.6026	0.8438	1.0908	1.3436	1.6013	1.8630	2.1279	2.3955	2.6653	2.9368	3.2099	3.4844	3.7600	4.0365	4.3140	4.5922	4.8712	33.3
73.1-75.0	82.8- 84.8	0.3802	0.6322	0.8830	1.1397	1.4026	1.6707	1.9431	2.2189	2.4977	2.7787	3.0617	3.3464	3.6326	3.9199	4.2083	4.4977	4.7879	5.0789	33.6
75.1-77.0	84.9- 86.8	0.4002	0.6624	0.9227	1.1891	1.4620	1.7405	2.0236	2.3104	2.6002	2.8926	3.1871	3.4834	3.7812	4.0804	4.3807	4.6820	4.9842	5.2873	33.9
77.1-79.0	86.9- 88.9	0.4207	0.6933	0.9630	1.2390	1.5220	1.8108	2.1045	2.4022	2.7032	3.0069	3.3128	3.6207	3.9303	4.2412	4.5534	4.8667	5.1810	5.4961	34.2
79.1-81.0	89.0- 90.9	0.4419	0.7248	1.0039	1.2895	1.5823	1.8815	2.1858	2.4944	2.8065	3.1214	3.4388	3.7583	4.0795	4.4023	4.7264	5.0517	5.3780	5.7052	34.5

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 12. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 1 TO 6, 12, 13, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.6- 9.8	0.0020	0.0036	0.0053	0.0069	0.0086	0.0103	0.0120	0.0137	0.0153	0.0170	0.0187	0.0204	0.0221	0.0238	0.0255	0.0272	0.0289	0.0306	8.5
9.1-11.0	9.9- 12.1	0.0073	0.0123	0.0174	0.0225	0.0276	0.0328	0.0379	0.0430	0.0482	0.0533	0.0585	0.0637	0.0688	0.0740	0.0792	0.0844	0.0896	0.0947	10.4
11.1-13.0	12.2- 14.4	0.0125	0.0209	0.0293	0.0378	0.0463	0.0548	0.0633	0.0718	0.0804	0.0890	0.0975	0.1061	0.1147	0.1233	0.1319	0.1405	0.1491	0.1577	12.3
13.1-15.0	14.5- 16.7	0.0180	0.0300	0.0421	0.0542	0.0664	0.0786	0.0908	0.1030	0.1153	0.1275	0.1398	0.1520	0.1643	0.1766	0.1889	0.2012	0.2136	0.2259	14.0
15.1-17.0	16.8- 19.0	0.0240	0.0400	0.0561	0.0723	0.0885	0.1048	0.1210	0.1373	0.1536	0.1700	0.1863	0.2027	0.2191	0.2355	0.2519	0.2683	0.2847	0.3012	15.6
17.1-19.0	19.1- 21.3	0.0305	0.0509	0.0715	0.0921	0.1128	0.1335	0.1542	0.1750	0.1958	0.2167	0.2375	0.2584	0.2793	0.3002	0.3212	0.3421	0.3631	0.3840	17.1
19.1-21.0	21.4- 23.6	0.0375	0.0627	0.0881	0.1136	0.1392	0.1648	0.1905	0.2162	0.2419	0.2677	0.2935	0.3193	0.3452	0.3710	0.3969	0.4228	0.4487	0.4747	18.4
21.1-23.0	23.7- 25.9	0.0450	0.0755	0.1062	0.1370	0.1678	0.1988	0.2298	0.2608	0.2919	0.3231	0.3542	0.3854	0.4166	0.4479	0.4792	0.5105	0.5418	0.5731	19.7
23.1-25.0	26.0- 28.2	0.0530	0.0891	0.1255	0.1620	0.1986	0.2353	0.2721	0.3089	0.3458	0.3827	0.4197	0.4567	0.4937	0.5308	0.5678	0.6050	0.6421	0.6793	20.8
25.1-27.0	28.3- 30.5	0.0615	0.1037	0.1461	0.1888	0.2316	0.2744	0.3174	0.3604	0.4035	0.4466	0.4898	0.5330	0.5763	0.6196	0.6629	0.7063	0.7497	0.7931	21.9
27.1-29.0	30.6- 32.7	0.0705	0.1191	0.1681	0.2173	0.2666	0.3160	0.3656	0.4152	0.4649	0.5147	0.5645	0.6144	0.6643	0.7142	0.7642	0.8143	0.8644	0.9145	22.8
29.1-31.0	32.8- 35.0	0.0800	0.1354	0.1912	0.2474	0.3037	0.3601	0.4167	0.4733	0.5300	0.5868	0.6437	0.7006	0.7576	0.8147	0.8718	0.9289	0.9861	1.0433	23.6
31.1-33.0	35.1- 37.3	0.0899	0.1525	0.2156	0.2791	0.3428	0.4066	0.4706	0.5346	0.5988	0.6631	0.7274	0.7918	0.8563	0.9208	0.9854	1.0500	1.1147	1.1794	24.4
33.1-35.0	37.4- 39.6	0.1002	0.1704	0.2412	0.3124	0.3838	0.4555	0.5272	0.5991	0.6711	0.7432	0.8154	0.8877	0.9601	1.0325	1.1050	1.1775	1.2501	1.3227	25.1
35.1-37.0	39.7- 41.8	0.1110	0.1891	0.2680	0.3473	0.4269	0.5066	0.5866	0.6667	0.7470	0.8273	0.9078	0.9883	1.0690	1.1497	1.2304	1.3113	1.3922	1.4732	25.7
37.1-39.0	42.0- 44.1	0.1222	0.2087	0.2959	0.3837	0.4718	0.5601	0.6487	0.7374	0.8262	0.9152	1.0043	1.0935	1.1828	1.2722	1.3617	1.4512	1.5408	1.6305	26.3
39.1-41.0	44.2- 46.4	0.1338	0.2289	0.3250	0.4216	0.5185	0.6158	0.7133	0.8110	0.9089	1.0069	1.1050	1.2033	1.3016	1.4001	1.4986	1.5973	1.6960	1.7947	26.8
41.1-43.0	46.5- 48.7	0.1459	0.2500	0.3551	0.4609	0.5671	0.6737	0.7805	0.8876	0.9948	1.1022	1.2098	1.3175	1.4252	1.5331	1.6411	1.7492	1.8574	1.9657	27.2
43.1-45.0	48.8- 50.9	0.1583	0.2717	0.3863	0.5017	0.6175	0.7338	0.8503	0.9671	1.0840	1.2012	1.3185	1.4360	1.5536	1.6713	1.7891	1.9071	2.0251	2.1432	27.6
45.1-47.0	51.0- 53.2	0.1712	0.2942	0.4186	0.5438	0.6697	0.7959	0.9225	1.0493	1.1764	1.3037	1.4312	1.5588	1.6866	1.8145	1.9425	2.0707	2.1989	2.3273	28.0
47.1-49.0	53.3- 55.4	0.1844	0.3174	0.4519	0.5874	0.7235	0.8601	0.9971	1.1344	1.2719	1.4097	1.5477	1.6858	1.8241	1.9626	2.1012	2.2399	2.3787	2.5177	28.3
49.1-51.0	55.6- 57.7	0.1980	0.3413	0.4863	0.6323	0.7791	0.9264	1.0741	1.2221	1.3705	1.5191	1.6679	1.8170	1.9662	2.1155	2.2650	2.4147	2.5645	2.7144	28.6
51.1-53.0	57.8- 60.0	0.2120	0.3659	0.5216	0.6785	0.8362	0.9946	1.1534	1.3126	1.4721	1.6319	1.7919	1.9522	2.1126	2.2732	2.4340	2.5949	2.7560	2.9172	28.9
53.1-55.0	60.1- 62.2	0.2263	0.3911	0.5579	0.7260	0.8951	1.0648	1.2350	1.4056	1.5766	1.7479	1.9195	2.0913	2.2634	2.4356	2.6080	2.7805	2.9532	3.1261	29.1
55.1-57.0	62.3- 64.5	0.2411	0.4170	0.5952	0.7748	0.9555	1.1368	1.3188	1.5012	1.6841	1.8672	2.0507	2.2344	2.4183	2.6025	2.7869	2.9714	3.1561	3.3409	29.3
57.1-59.0	64.6- 66.7	0.2562	0.4436	0.6334	0.8249	1.0174	1.2108	1.4048	1.5994	1.7944	1.9897	2.1854	2.3813	2.5775	2.7739	2.9706	3.1674	3.3644	3.5616	29.5
59.1-61.0	66.8- 69.0	0.2717	0.4708	0.6726	0.8762	1.0809	1.2866	1.4930	1.7000	1.9074	2.1153	2.3235	2.5320	2.7407	2.9498	3.1590	3.3685	3.5781	3.7880	29.7
61.1-63.0	69.1- 71.2	0.2875	0.4987	0.7127	0.9286	1.1459	1.3642	1.5833	1.8030	2.0232	2.2439	2.4649	2.6863	2.9080	3.1299	3.3521	3.5746	3.7972	4.0200	29.9
63.1-65.0	71.3- 73.5	0.3037	0.5272	0.7537	0.9823	1.2124	1.4436	1.6757	1.9084	2.1417	2.3755	2.6097	2.8443	3.0792	3.3144	3.5498	3.7855	4.0214	4.2576	30.0
65.1-67.0	73.6- 75.7	0.3203	0.5563	0.7956	1.0372	1.2804	1.5248	1.7701	2.0162	2.2629	2.5101	2.7578	3.0058	3.2542	3.5030	3.7520	4.0013	4.2508	4.5005	30.1
67.1-69.0	75.8- 77.9	0.3372	0.5860	0.8384	1.0932	1.3497	1.6076	1.8665	2.1262	2.3866	2.6476	2.9090	3.1709	3.4331	3.6957	3.9586	4.2217	4.4852	4.7488	30.2
69.1-71.0	78.1- 80.2	0.3545	0.6164	0.8820	1.1503	1.4205	1.6921	1.9649	2.2385	2.5129	2.7878	3.0634	3.3393	3.6157	3.8924	4.1695	4.4469	4.7245	5.0024	30.3
71.1-73.0	80.3- 82.4	0.3721	0.6474	0.9265	1.2085	1.4926	1.7783	2.0652	2.3530	2.6416	2.9309	3.2208	3.5111	3.8019	4.0931	4.3846	4.6765	4.9687	5.2611	30.4
73.1-75.0	82.5- 84.6	0.3901	0.6789	0.9718	1.2678	1.5661	1.8661	2.1674	2.4697	2.7729	3.0767	3.3812	3.6863	3.9918	4.2977	4.6040	4.9106	5.2176	5.5248	30.5
75.1-77.0	84.8- 86.9	0.4085	0.7111	1.0180	1.3283	1.6410	1.9555	2.2714	2.5885	2.9065	3.2252	3.5446	3.8646	4.1851	4.5061	4.8274	5.1491	5.4712	5.7936	30.6
77.1-79.0	87.0- 89.1	0.4272	0.7438	1.0650	1.3897	1.7171	2.0464	2.3773	2.7094	3.0425	3.3764	3.7110	4.0462	4.3819	4.7182	5.0549	5.3919	5.7294	6.0671	30.6
79.1-81.0	89.2- 91.3	0.4463	0.7772	1.1128	1.4523	1.7945	2.1389	2.4850	2.8323	3.1808	3.5301	3.8801	4.2309	4.5822	4.9340	5.2863	5.6390	5.9920	6.3455	30.7

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 13. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 1 TO 6, 12, 13, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.2- 14.4	0.0058	0.0102	0.0147	0.0192	0.0237	0.0282	0.0327	0.0372	0.0418	0.0463	0.0509	0.0554	0.0600	0.0645	0.0691	0.0737	0.0783	0.0829	12.3
13.1-15.0	14.5- 16.7	0.0129	0.0220	0.0312	0.0405	0.0498	0.0592	0.0685	0.0779	0.0873	0.0967	0.1061	0.1155	0.1249	0.1344	0.1438	0.1533	0.1627	0.1722	14.0
15.1-17.0	16.8- 19.0	0.0198	0.0335	0.0474	0.0613	0.0753	0.0893	0.1034	0.1174	0.1315	0.1456	0.1597	0.1738	0.1879	0.2021	0.2162	0.2304	0.2446	0.2587	15.6
17.1-19.0	19.1- 21.3	0.0269	0.0454	0.0641	0.0829	0.1017	0.1206	0.1395	0.1584	0.1773	0.1963	0.2153	0.2343	0.2533	0.2724	0.2914	0.3105	0.3295	0.3486	17.1
19.1-21.0	21.4- 23.6	0.0343	0.0579	0.0817	0.1056	0.1296	0.1536	0.1777	0.2018	0.2259	0.2501	0.2743	0.2985	0.3227	0.3470	0.3712	0.3955	0.4198	0.4441	18.4
21.1-23.0	23.7- 25.9	0.0421	0.0712	0.1005	0.1298	0.1593	0.1889	0.2185	0.2481	0.2778	0.3075	0.3372	0.3670	0.3968	0.4266	0.4565	0.4863	0.5162	0.5461	19.7
23.1-25.0	26.0- 28.2	0.0504	0.0852	0.1203	0.1556	0.1910	0.2264	0.2619	0.2975	0.3331	0.3687	0.4044	0.4401	0.4759	0.5117	0.5475	0.5833	0.6192	0.6551	20.8
25.1-27.0	28.3- 30.5	0.0591	0.1001	0.1414	0.1829	0.2245	0.2663	0.3081	0.3500	0.3919	0.4339	0.4759	0.5180	0.5601	0.6022	0.6444	0.6866	0.7288	0.7711	21.9
27.1-29.0	30.6- 32.7	0.0683	0.1158	0.1637	0.2118	0.2601	0.3085	0.3570	0.4056	0.4543	0.5030	0.5517	0.6005	0.6494	0.6983	0.7472	0.7962	0.8452	0.8943	22.8
29.1-31.0	32.8- 35.0	0.0778	0.1323	0.1872	0.2423	0.2977	0.3531	0.4087	0.4644	0.5202	0.5760	0.6319	0.6879	0.7439	0.7999	0.8560	0.9122	0.9683	1.0246	23.6
31.1-33.0	35.1- 37.3	0.0879	0.1495	0.2118	0.2744	0.3371	0.4001	0.4631	0.5263	0.5896	0.6530	0.7164	0.7799	0.8434	0.9070	0.9707	1.0344	1.0982	1.1620	24.4
33.1-35.0	37.4- 39.6	0.0983	0.1676	0.2376	0.3079	0.3785	0.4493	0.5203	0.5913	0.6625	0.7338	0.8051	0.8765	0.9480	1.0196	1.0912	1.1629	1.2346	1.3064	25.1
35.1-37.0	39.7- 41.8	0.1092	0.1865	0.2646	0.3430	0.4218	0.5008	0.5800	0.6594	0.7388	0.8184	0.8980	0.9778	1.0576	1.1375	1.2175	1.2975	1.3776	1.4577	25.7
37.1-39.0	42.0- 44.1	0.1204	0.2061	0.2926	0.3796	0.4670	0.5546	0.6424	0.7304	0.8185	0.9068	0.9951	1.0836	1.1721	1.2607	1.3494	1.4382	1.5270	1.6159	26.3
39.1-41.0	44.2- 46.4	0.1321	0.2265	0.3218	0.4177	0.5140	0.6106	0.7074	0.8044	0.9015	0.9988	1.0963	1.1938	1.2914	1.3892	1.4870	1.5849	1.6828	1.7809	26.8
41.1-43.0	46.5- 48.7	0.1442	0.2476	0.3521	0.4572	0.5628	0.6687	0.7749	0.8812	0.9878	1.0945	1.2014	1.3084	1.4155	1.5227	1.6300	1.7374	1.8449	1.9525	27.2
43.1-45.0	48.8- 50.9	0.1567	0.2694	0.3834	0.4981	0.6133	0.7289	0.8448	0.9610	1.0773	1.1938	1.3105	1.4273	1.5443	1.6613	1.7785	1.8958	2.0131	2.1306	27.6
45.1-47.0	51.0- 53.2	0.1696	0.2920	0.4158	0.5404	0.6656	0.7913	0.9172	1.0435	1.1700	1.2966	1.4235	1.5505	1.6776	1.8049	1.9323	2.0598	2.1874	2.3151	28.0
47.1-49.0	53.3- 55.4	0.1829	0.3152	0.4492	0.5841	0.7196	0.8556	0.9920	1.1287	1.2657	1.4029	1.5403	1.6778	1.8155	1.9534	2.0914	2.2295	2.3677	2.5060	28.3
49.1-51.0	55.6- 57.7	0.1965	0.3392	0.4836	0.6291	0.7753	0.9220	1.0692	1.2167	1.3645	1.5125	1.6608	1.8092	1.9579	2.1066	2.2556	2.4046	2.5538	2.7031	28.6
51.1-53.0	57.8- 60.0	0.2105	0.3638	0.5190	0.6754	0.8326	0.9904	1.1486	1.3073	1.4663	1.6255	1.7850	1.9447	2.1046	2.2646	2.4248	2.5852	2.7457	2.9063	28.9
53.1-55.0	60.1- 62.2	0.2249	0.3891	0.5554	0.7230	0.8915	1.0607	1.2304	1.4005	1.5710	1.7418	1.9128	2.0841	2.2556	2.4272	2.5991	2.7711	2.9432	3.1155	29.1
55.1-57.0	62.3- 64.5	0.2397	0.4151	0.5927	0.7718	0.9520	1.1329	1.3143	1.4963	1.6786	1.8612	2.0442	2.2274	2.4108	2.5944	2.7782	2.9622	3.1464	3.3307	29.3
57.1-59.0	64.6- 66.7	0.2548	0.4417	0.6310	0.8220	1.0140	1.2069	1.4005	1.5945	1.7890	1.9838	2.1790	2.3744	2.5701	2.7661	2.9622	3.1585	3.3550	3.5516	29.5
59.1-61.0	66.8- 69.0	0.2703	0.4689	0.6702	0.8733	1.0776	1.2828	1.4888	1.6952	1.9022	2.1096	2.3173	2.5253	2.7336	2.9421	3.1508	3.3598	3.5689	3.7782	29.7
61.1-63.0	69.1- 71.2	0.2862	0.4968	0.7104	0.9258	1.1427	1.3605	1.5791	1.7984	2.0181	2.2383	2.4589	2.6798	2.9010	3.1224	3.3441	3.5661	3.7882	4.0105	29.9
63.1-65.0	71.3- 73.5	0.3024	0.5254	0.7514	0.9796	1.2092	1.4400	1.6716	1.9039	2.1367	2.3701	2.6038	2.8379	3.0723	3.3070	3.5420	3.7772	4.0126	4.2483	30.0
65.1-67.0	73.6- 75.7	0.3190	0.5545	0.7933	1.0345	1.2772	1.5212	1.7661	2.0117	2.2580	2.5048	2.7520	2.9996	3.2475	3.4958	3.7443	3.9931	4.2422	4.4914	30.1
67.1-69.0	75.8- 77.9	0.3359	0.5843	0.8361	1.0905	1.3466	1.6041	1.8626	2.1219	2.3818	2.6423	2.9033	3.1647	3.4265	3.6886	3.9511	4.2138	4.4767	4.7399	30.2
69.1-71.0	78.1- 80.2	0.3532	0.6146	0.8798	1.1477	1.4174	1.6887	1.9610	2.2342	2.5082	2.7827	3.0578	3.3333	3.6092	3.8855	4.1621	4.4390	4.7162	4.9936	30.3
71.1-73.0	80.3- 82.4	0.3709	0.6456	0.9243	1.2059	1.4896	1.7749	2.0614	2.3488	2.6370	2.9259	3.2153	3.5052	3.7956	4.0863	4.3774	4.6688	4.9605	5.2525	30.4
73.1-75.0	82.5- 84.6	0.3889	0.6772	0.9697	1.2653	1.5632	1.8627	2.1636	2.4655	2.7683	3.0718	3.3758	3.6804	3.9855	4.2910	4.5968	4.9030	5.2096	5.5164	30.5
75.1-77.0	84.8- 86.9	0.4073	0.7094	1.0159	1.3257	1.6380	1.9522	2.2677	2.5844	2.9020	3.2203	3.5393	3.8589	4.1790	4.4995	4.8204	5.1417	5.4633	5.7852	30.6
77.1-79.0	87.0- 89.1	0.4260	0.7422	1.0629	1.3872	1.7142	2.0432	2.3737	2.7053	3.0380	3.3715	3.7057	4.0405	4.3759	4.7117	5.0479	5.3846	5.7216	6.0589	30.6
79.1-81.0	89.2- 91.3	0.4451	0.7755	1.1107	1.4498	1.7917	2.1357	2.4814	2.8283	3.1764	3.5253	3.8749	4.2253	4.5761	4.9276	5.2794	5.6317	5.9843	6.3373	30.7

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 14. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 1 TO 6, 12, 13, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.2- 14.4	0.0022	0.0043	0.0065	0.0086	0.0107	0.0129	0.0150	0.0172	0.0193	0.0215	0.0237	0.0258	0.0280	0.0302	0.0324	0.0346	0.0368	0.0390	12.3
13.1-15.0	14.5- 16.7	0.0099	0.0173	0.0247	0.0322	0.0396	0.0471	0.0547	0.0622	0.0698	0.0773	0.0849	0.0925	0.1001	0.1076	0.1152	0.1228	0.1305	0.1381	14.0
15.1-17.0	16.8- 19.0	0.0174	0.0299	0.0424	0.0550	0.0676	0.0803	0.0930	0.1057	0.1185	0.1312	0.1440	0.1568	0.1695	0.1823	0.1951	0.2080	0.2208	0.2336	15.6
17.1-19.0	19.1- 21.3	0.0249	0.0424	0.0600	0.0777	0.0955	0.1133	0.1311	0.1490	0.1669	0.1848	0.2027	0.2206	0.2386	0.2565	0.2745	0.2925	0.3105	0.3285	17.1
19.1-21.0	21.4- 23.6	0.0326	0.0554	0.0783	0.1013	0.1243	0.1475	0.1707	0.1939	0.2171	0.2404	0.2637	0.2870	0.3103	0.3337	0.3570	0.3804	0.4038	0.4272	18.4
21.1-23.0	23.7- 25.9	0.0407	0.0689	0.0974	0.1260	0.1547	0.1835	0.2123	0.2412	0.2701	0.2990	0.3280	0.3570	0.3860	0.4151	0.4441	0.4732	0.5023	0.5315	19.7
23.1-25.0	26.0- 28.2	0.0491	0.0832	0.1176	0.1522	0.1869	0.2216	0.2564	0.2913	0.3263	0.3612	0.3962	0.4313	0.4663	0.5014	0.5365	0.5717	0.6069	0.6420	20.8
25.1-27.0	28.3- 30.5	0.0579	0.0982	0.1389	0.1798	0.2208	0.2620	0.3032	0.3444	0.3857	0.4271	0.4685	0.5100	0.5515	0.5930	0.6345	0.6761	0.7177	0.7594	21.9
27.1-29.0	30.6- 32.7	0.0671	0.1141	0.1614	0.2090	0.2567	0.3046	0.3525	0.4006	0.4486	0.4968	0.5450	0.5932	0.6415	0.6899	0.7382	0.7867	0.8351	0.8836	22.8
29.1-31.0	32.8- 35.0	0.0768	0.1307	0.1850	0.2397	0.2945	0.3495	0.4046	0.4597	0.5150	0.5703	0.6257	0.6811	0.7366	0.7922	0.8477	0.9034	0.9590	1.0147	23.6
31.1-33.0	35.1- 37.3	0.0869	0.1481	0.2098	0.2719	0.3342	0.3967	0.4593	0.5220	0.5848	0.6477	0.7106	0.7736	0.8367	0.8998	0.9630	1.0262	1.0895	1.1528	24.4
33.1-35.0	37.4- 39.6	0.0973	0.1662	0.2357	0.3056	0.3758	0.4461	0.5166	0.5873	0.6580	0.7288	0.7997	0.8707	0.9418	1.0129	1.0840	1.1553	1.2265	1.2979	25.1
35.1-37.0	39.7- 41.8	0.1083	0.1851	0.2628	0.3409	0.4193	0.4979	0.5766	0.6555	0.7346	0.8137	0.8930	0.9723	1.0517	1.1312	1.2107	1.2904	1.3700	1.4497	25.7
37.1-39.0	42.0- 44.1	0.1196	0.2048	0.2910	0.3776	0.4645	0.5518	0.6392	0.7268	0.8145	0.9024	0.9903	1.0784	1.1665	1.2548	1.3431	1.4314	1.5199	1.6084	26.3
39.1-41.0	44.2- 46.4	0.1313	0.2253	0.3202	0.4157	0.5117	0.6079	0.7043	0.8009	0.8977	0.9947	1.0917	1.1889	1.2862	1.3835	1.4810	1.5785	1.6761	1.7737	26.8
41.1-43.0	46.5- 48.7	0.1434	0.2464	0.3505	0.4553	0.5605	0.6661	0.7719	0.8780	0.9842	1.0906	1.1971	1.3037	1.4105	1.5173	1.6243	1.7313	1.8385	1.9457	27.2
43.1-45.0	48.8- 50.9	0.1559	0.2683	0.3819	0.4963	0.6112	0.7265	0.8420	0.9578	1.0739	1.1900	1.3064	1.4229	1.5395	1.6562	1.7730	1.8900	2.0070	2.1241	27.6
45.1-47.0	51.0- 53.2	0.1688	0.2909	0.4144	0.5387	0.6636	0.7889	0.9146	1.0405	1.1666	1.2930	1.4195	1.5462	1.6731	1.8000	1.9271	2.0543	2.1815	2.3089	28.0
47.1-49.0	53.3- 55.4	0.1821	0.3142	0.4478	0.5824	0.7176	0.8534	0.9895	1.1259	1.2625	1.3994	1.5365	1.6737	1.8111	1.9487	2.0863	2.2241	2.3620	2.5000	28.3
49.1-51.0	55.6- 57.7	0.1958	0.3382	0.4823	0.6274	0.7734	0.9198	1.0667	1.2139	1.3614	1.5092	1.6571	1.8053	1.9536	2.1021	2.2507	2.3995	2.5484	2.6974	28.6
51.1-53.0	57.8- 60.0	0.2098	0.3628	0.5177	0.6738	0.8307	0.9882	1.1462	1.3046	1.4633	1.6223	1.7815	1.9409	2.1005	2.2602	2.4202	2.5802	2.7404	2.9008	28.9
53.1-55.0	60.1- 62.2	0.2242	0.3881	0.5541	0.7214	0.8897	1.0586	1.2280	1.3979	1.5681	1.7386	1.9094	2.0804	2.2516	2.4230	2.5946	2.7663	2.9382	3.1102	29.1
55.1-57.0	62.3- 64.5	0.2390	0.4141	0.5915	0.7704	0.9502	1.1309	1.3121	1.4937	1.6758	1.8582	2.0409	2.2238	2.4070	2.5903	2.7739	2.9576	3.1415	3.3255	29.3
57.1-59.0	64.6- 66.7	0.2542	0.4407	0.6298	0.8205	1.0123	1.2050	1.3983	1.5921	1.7863	1.9809	2.1758	2.3710	2.5664	2.7621	2.9579	3.1540	3.3502	3.5466	29.5
59.1-61.0	66.8- 69.0	0.2697	0.4680	0.6691	0.8719	1.0759	1.2809	1.4866	1.6929	1.8996	2.1067	2.3142	2.5219	2.7300	2.9382	3.1467	3.3554	3.5643	3.7734	29.7
61.1-63.0	69.1- 71.2	0.2856	0.4959	0.7092	0.9245	1.1411	1.3587	1.5770	1.7961	2.0156	2.2355	2.4559	2.6765	2.8975	3.1187	3.3401	3.5618	3.7837	4.0057	29.9
63.1-65.0	71.3- 73.5	0.3018	0.5245	0.7503	0.9782	1.2076	1.4382	1.6696	1.9016	2.1342	2.3673	2.6009	2.8347	3.0689	3.3034	3.5381	3.7731	4.0082	4.2436	30.0
65.1-67.0	73.6- 75.7	0.3184	0.5536	0.7922	1.0331	1.2757	1.5194	1.7641	2.0095	2.2555	2.5021	2.7491	2.9965	3.2442	3.4922	3.7405	3.9891	4.2379	4.4869	30.1
67.1-69.0	75.8- 77.9	0.3353	0.5834	0.8351	1.0892	1.3451	1.6023	1.8606	2.1197	2.3794	2.6397	2.9005	3.1617	3.4232	3.6851	3.9473	4.2098	4.4725	4.7355	30.2
69.1-71.0	78.1- 80.2	0.3527	0.6138	0.8787	1.1464	1.4159	1.6870	1.9591	2.2321	2.5058	2.7801	3.0550	3.3303	3.6060	3.8821	4.1585	4.4352	4.7121	4.9893	30.3
71.1-73.0	80.3- 82.4	0.3703	0.6448	0.9233	1.2047	1.4882	1.7732	2.0595	2.3467	2.6347	2.9234	3.2126	3.5023	3.7924	4.0830	4.3738	4.6650	4.9565	5.2482	30.4
73.1-75.0	82.5- 84.6	0.3883	0.6764	0.9687	1.2640	1.5617	1.8611	2.1618	2.4635	2.7660	3.0693	3.3732	3.6776	3.9824	4.2877	4.5933	4.8993	5.2056	5.5122	30.5
75.1-77.0	84.8- 86.9	0.4067	0.7086	1.0149	1.3245	1.6366	1.9506	2.2659	2.5824	2.8997	3.2179	3.5367	3.8561	4.1759	4.4962	4.8169	5.1380	5.4594	5.7811	30.6
77.1-79.0	87.0- 89.1	0.4255	0.7414	1.0619	1.3860	1.7128	2.0416	2.3719	2.7033	3.0358	3.3691	3.7031	4.0377	4.3729	4.7085	5.0445	5.3810	5.7178	6.0549	30.6
79.1-81.0	89.2- 91.3	0.4446	0.7747	1.1097	1.4486	1.7903	2.1341	2.4796	2.8264	3.1742	3.5229	3.8724	4.2225	4.5732	4.9244	5.2761	5.6281	5.9806	6.3334	30.7

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 18. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 9, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.9- 10.0	0.0019	0.0032	0.0043	0.0055	0.0066	0.0076	0.0087	0.0097	0.0107	0.0117	0.0128	0.0138	0.0148	0.0158	0.0168	0.0178	0.0188	0.0198	8.3
9.1-11.0	10.1- 12.2	0.0067	0.0120	0.0173	0.0228	0.0283	0.0338	0.0394	0.0450	0.0506	0.0562	0.0618	0.0674	0.0731	0.0787	0.0844	0.0900	0.0957	0.1013	10.2
11.1-13.0	12.3- 14.4	0.0114	0.0201	0.0290	0.0381	0.0473	0.0565	0.0657	0.0750	0.0843	0.0937	0.1030	0.1123	0.1217	0.1311	0.1405	0.1499	0.1592	0.1687	12.1
13.1-15.0	14.5- 16.6	0.0162	0.0286	0.0414	0.0543	0.0673	0.0805	0.0937	0.1069	0.1202	0.1335	0.1468	0.1601	0.1735	0.1869	0.2003	0.2137	0.2271	0.2405	13.9
15.1-17.0	16.8- 18.9	0.0215	0.0379	0.0547	0.0719	0.0892	0.1066	0.1242	0.1418	0.1594	0.1771	0.1948	0.2126	0.2303	0.2481	0.2659	0.2838	0.3016	0.3195	15.6
17.1-19.0	19.0- 21.2	0.0271	0.0479	0.0693	0.0910	0.1130	0.1352	0.1575	0.1799	0.2023	0.2249	0.2474	0.2700	0.2927	0.3154	0.3381	0.3608	0.3836	0.4063	17.1
19.1-21.0	21.3- 23.5	0.0333	0.0588	0.0850	0.1118	0.1389	0.1662	0.1937	0.2213	0.2491	0.2769	0.3048	0.3327	0.3607	0.3887	0.4168	0.4449	0.4730	0.5012	18.6
21.1-23.0	23.6- 25.8	0.0399	0.0705	0.1020	0.1342	0.1668	0.1997	0.2328	0.2661	0.2995	0.3331	0.3668	0.4005	0.4343	0.4681	0.5020	0.5360	0.5700	0.6040	19.9
23.1-25.0	25.9- 28.1	0.0471	0.0831	0.1202	0.1581	0.1966	0.2355	0.2747	0.3141	0.3537	0.3935	0.4334	0.4733	0.5134	0.5535	0.5937	0.6340	0.6743	0.7146	21.1
25.1-27.0	28.2- 30.4	0.0549	0.0966	0.1397	0.1837	0.2285	0.2737	0.3194	0.3654	0.4116	0.4579	0.5045	0.5512	0.5979	0.6448	0.6918	0.7388	0.7859	0.8330	22.3
27.1-29.0	30.5- 32.7	0.0632	0.1110	0.1603	0.2109	0.2623	0.3143	0.3668	0.4197	0.4730	0.5264	0.5800	0.6338	0.6878	0.7418	0.7960	0.8503	0.9046	0.9590	23.3
29.1-31.0	32.9- 35.1	0.0721	0.1264	0.1823	0.2396	0.2980	0.3572	0.4170	0.4772	0.5378	0.5987	0.6599	0.7213	0.7828	0.8445	0.9063	0.9682	1.0302	1.0923	24.3
31.1-33.0	35.2- 37.5	0.0817	0.1427	0.2055	0.2699	0.3356	0.4023	0.4697	0.5377	0.6061	0.6749	0.7440	0.8133	0.8829	0.9526	1.0225	1.0925	1.1627	1.2329	25.1
33.1-35.0	37.6- 39.9	0.0919	0.1600	0.2299	0.3018	0.3752	0.4497	0.5251	0.6011	0.6778	0.7548	0.8322	0.9099	0.9879	1.0661	1.1445	1.2230	1.3017	1.3806	25.9
35.1-37.0	40.0- 42.3	0.1029	0.1783	0.2557	0.3353	0.4166	0.4993	0.5830	0.6675	0.7527	0.8384	0.9245	1.0110	1.0978	1.1849	1.2721	1.3596	1.4473	1.5351	26.6
37.1-39.0	42.4- 44.7	0.1146	0.1977	0.2828	0.3704	0.4599	0.5511	0.6434	0.7368	0.8308	0.9255	1.0208	1.1164	1.2124	1.3087	1.4053	1.5022	1.5992	1.6964	27.3
39.1-41.0	44.8- 47.1	0.1271	0.2182	0.3113	0.4071	0.5052	0.6051	0.7064	0.8088	0.9121	1.0162	1.1209	1.2260	1.3316	1.4376	1.5439	1.6505	1.7573	1.8643	27.9
41.1-43.0	47.2- 49.6	0.1404	0.2398	0.3411	0.4454	0.5523	0.6612	0.7718	0.8837	0.9966	1.1103	1.2248	1.3399	1.4554	1.5714	1.6877	1.8044	1.9214	2.0386	28.4
43.1-45.0	49.7- 52.0	0.1547	0.2627	0.3724	0.4854	0.6013	0.7195	0.8396	0.9613	1.0841	1.2079	1.3325	1.4578	1.5836	1.7100	1.8368	1.9639	2.0914	2.2192	28.9
45.1-47.0	52.1- 54.5	0.1699	0.2867	0.4051	0.5270	0.6522	0.7800	0.9099	1.0416	1.1746	1.3087	1.4438	1.5796	1.7162	1.8532	1.9908	2.1288	2.2672	2.4059	29.4
47.1-49.0	54.6- 57.0	0.1861	0.3121	0.4393	0.5703	0.7050	0.8426	0.9826	1.1246	1.2681	1.4129	1.5587	1.7055	1.8530	2.0011	2.1498	2.2990	2.4487	2.5987	29.8
49.1-51.0	57.1- 59.5	0.2033	0.3388	0.4750	0.6154	0.7597	0.9074	1.0577	1.2103	1.3645	1.5203	1.6772	1.8352	1.9940	2.1535	2.3137	2.4744	2.6357	2.7973	30.2
51.1-53.0	59.6- 62.0	0.2217	0.3669	0.5123	0.6622	0.8164	0.9743	1.1353	1.2986	1.4639	1.6309	1.7992	1.9686	2.1390	2.3103	2.4823	2.6549	2.8281	3.0017	30.5
53.1-55.0	62.1- 64.5	0.2412	0.3965	0.5513	0.7108	0.8751	1.0435	1.2152	1.3896	1.5662	1.7446	1.9246	2.1058	2.2882	2.4714	2.6555	2.8403	3.0258	3.2118	30.8
55.1-57.0	64.7- 67.1	0.2620	0.4276	0.5919	0.7612	0.9357	1.1148	1.2975	1.4832	1.6713	1.8615	2.0534	2.2467	2.4412	2.6368	2.8333	3.0306	3.2287	3.4273	31.1
57.1-59.0	67.2- 69.6	0.2841	0.4603	0.6342	0.8135	0.9984	1.1883	1.3821	1.5793	1.7793	1.9814	2.1855	2.3912	2.5982	2.8064	3.0156	3.2257	3.4366	3.6482	31.3
59.1-61.0	69.8- 72.2	0.3076	0.4946	0.6784	0.8677	1.0631	1.2640	1.4692	1.6781	1.8901	2.1045	2.3210	2.5392	2.7590	2.9801	3.2023	3.4255	3.6496	3.8744	31.6
61.1-63.0	72.3- 74.8	0.3326	0.5307	0.7244	0.9238	1.1299	1.3419	1.5587	1.7795	2.0036	2.2305	2.4597	2.6908	2.9236	3.1578	3.3933	3.6299	3.8674	4.1058	31.8
63.1-65.0	74.9- 77.4	0.3592	0.5686	0.7722	0.9820	1.1989	1.4221	1.6506	1.8835	2.1200	2.3596	2.6016	2.8458	3.0919	3.3395	3.5885	3.8388	4.0900	4.3423	32.0
65.1-67.0	77.5- 80.0	0.3874	0.6084	0.8221	1.0422	1.2699	1.5046	1.7449	1.9901	2.2392	2.4916	2.7468	3.0043	3.2639	3.5251	3.7879	4.0521	4.3174	4.5837	32.1
67.1-69.0	80.2- 82.7	0.4174	0.6501	0.8740	1.1045	1.3432	1.5893	1.8417	2.0993	2.3611	2.6266	2.8951	3.1662	3.4394	3.7146	3.9915	4.2697	4.5493	4.8300	32.3
69.1-71.0	82.8- 85.3	0.4492	0.6939	0.9280	1.1689	1.4186	1.6764	1.9409	2.2110	2.4858	2.7645	3.0466	3.3314	3.6186	3.9079	4.1990	4.4917	4.7858	5.0811	32.4
71.1-73.0	85.4- 88.0	0.4830	0.7399	0.9842	1.2355	1.4964	1.7658	2.0426	2.3254	2.6133	2.9054	3.2011	3.4999	3.8013	4.1049	4.4105	4.7179	5.0267	5.3369	32.5
73.1-75.0	88.1- 90.7	0.5188	0.7881	1.0426	1.3044	1.5764	1.8577	2.1468	2.4424	2.7435	3.0492	3.3588	3.6717	3.9874	4.3056	4.6259	4.9482	5.2720	5.5974	32.7
75.1-77.0	90.8- 93.3	0.5568	0.8387	1.1033	1.3757	1.6588	1.9519	2.2535	2.5620	2.8765	3.1960	3.5196	3.8468	4.1771	4.5100	4.8452	5.1825	5.5216	5.8623	32.8
77.1-79.0	93.5- 96.1	0.5972	0.8918	1.1665	1.4493	1.7436	2.0486	2.3627	2.6843	3.0123	3.3456	3.6834	4.0251	4.3701	4.7180	5.0683	5.4209	5.7755	6.1317	32.9
79.1-81.0	96.2- 98.8	0.6399	0.9474	1.2321	1.5254	1.8309	2.1478	2.4744	2.8092	3.1508	3.4981	3.8503	4.2066	4.5665	4.9295	5.2952	5.6633	6.0335	6.4055	32.9

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 19. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 9, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.4	0.0059	0.0101	0.0142	0.0183	0.0225	0.0266	0.0307	0.0348	0.0389	0.0431	0.0472	0.0513	0.0555	0.0596	0.0637	0.0679	0.0720	0.0762	12.1
13.1-15.0	14.5- 16.6	0.0119	0.0211	0.0308	0.0406	0.0506	0.0607	0.0709	0.0811	0.0914	0.1017	0.1121	0.1224	0.1328	0.1433	0.1537	0.1641	0.1746	0.1851	13.9
15.1-17.0	16.8- 18.9	0.0178	0.0318	0.0463	0.0612	0.0762	0.0914	0.1068	0.1222	0.1376	0.1532	0.1687	0.1843	0.1999	0.2156	0.2312	0.2469	0.2626	0.2783	15.6
17.1-19.0	19.0- 21.2	0.0240	0.0427	0.0622	0.0821	0.1023	0.1226	0.1432	0.1638	0.1845	0.2053	0.2261	0.2470	0.2680	0.2889	0.3099	0.3309	0.3519	0.3730	17.1
19.1-21.0	21.3- 23.5	0.0305	0.0542	0.0788	0.1040	0.1295	0.1554	0.1814	0.2075	0.2338	0.2602	0.2866	0.3131	0.3396	0.3662	0.3928	0.4195	0.4462	0.4729	18.6
21.1-23.0	23.6- 25.8	0.0374	0.0664	0.0964	0.1272	0.1584	0.1900	0.2219	0.2539	0.2861	0.3184	0.3508	0.3833	0.4158	0.4484	0.4811	0.5138	0.5465	0.5793	19.9
23.1-25.0	25.9- 28.1	0.0448	0.0793	0.1151	0.1518	0.1891	0.2268	0.2648	0.3031	0.3416	0.3803	0.4190	0.4579	0.4969	0.5359	0.5750	0.6142	0.6534	0.6926	21.1
25.1-27.0	28.2- 30.4	0.0527	0.0931	0.1349	0.1778	0.2215	0.2657	0.3104	0.3553	0.4005	0.4459	0.4914	0.5371	0.5829	0.6288	0.6748	0.7208	0.7669	0.8131	22.3
27.1-29.0	30.5- 32.7	0.0611	0.1077	0.1559	0.2054	0.2558	0.3068	0.3584	0.4104	0.4627	0.5152	0.5680	0.6209	0.6739	0.7271	0.7804	0.8338	0.8872	0.9407	23.3
29.1-31.0	32.9- 35.1	0.0702	0.1232	0.1781	0.2344	0.2919	0.3502	0.4091	0.4685	0.5283	0.5883	0.6487	0.7092	0.7699	0.8308	0.8918	0.9529	1.0141	1.0754	24.3
31.1-33.0	35.2- 37.5	0.0798	0.1397	0.2015	0.2650	0.3298	0.3957	0.4623	0.5295	0.5971	0.6651	0.7334	0.8020	0.8708	0.9398	1.0089	1.0782	1.1476	1.2171	25.1
33.1-35.0	37.6- 39.9	0.0901	0.1571	0.2261	0.2971	0.3696	0.4434	0.5180	0.5933	0.6692	0.7455	0.8222	0.8993	0.9765	1.0540	1.1317	1.2096	1.2876	1.3657	25.9
35.1-37.0	40.0- 42.3	0.1012	0.1756	0.2520	0.3308	0.4113	0.4932	0.5762	0.6600	0.7445	0.8295	0.9150	1.0008	1.0870	1.1734	1.2600	1.3469	1.4339	1.5210	26.6
37.1-39.0	42.4- 44.7	0.1129	0.1951	0.2793	0.3660	0.4548	0.5452	0.6369	0.7296	0.8230	0.9171	1.0116	1.1067	1.2021	1.2978	1.3937	1.4900	1.5864	1.6830	27.3
39.1-41.0	44.8- 47.1	0.1255	0.2156	0.3078	0.4028	0.5002	0.5994	0.7001	0.8019	0.9046	1.0080	1.1121	1.2167	1.3217	1.4271	1.5328	1.6388	1.7450	1.8515	27.9
41.1-43.0	47.2- 49.6	0.1389	0.2374	0.3378	0.4413	0.5475	0.6557	0.7657	0.8769	0.9893	1.1024	1.2163	1.3308	1.4458	1.5613	1.6771	1.7932	1.9096	2.0263	28.4
43.1-45.0	49.7- 52.0	0.1532	0.2603	0.3691	0.4814	0.5966	0.7142	0.8337	0.9547	1.0770	1.2002	1.3243	1.4490	1.5743	1.7002	1.8264	1.9531	2.0800	2.2073	28.9
45.1-47.0	52.1- 54.5	0.1685	0.2844	0.4019	0.5231	0.6476	0.7748	0.9041	1.0352	1.1677	1.3013	1.4358	1.5711	1.7071	1.8437	1.9808	2.1183	2.2562	2.3944	29.4
47.1-49.0	54.6- 57.0	0.1847	0.3098	0.4362	0.5665	0.7005	0.8375	0.9770	1.1184	1.2613	1.4056	1.5509	1.6972	1.8442	1.9918	2.1401	2.2888	2.4380	2.5875	29.8
49.1-51.0	57.1- 59.5	0.2020	0.3366	0.4720	0.6116	0.7553	0.9024	1.0522	1.2042	1.3579	1.5131	1.6696	1.8270	1.9854	2.1444	2.3042	2.4644	2.6252	2.7864	30.2
51.1-53.0	59.6- 62.0	0.2204	0.3647	0.5093	0.6585	0.8121	0.9694	1.1298	1.2926	1.4574	1.6239	1.7917	1.9607	2.1306	2.3014	2.4730	2.6451	2.8179	2.9911	30.5
53.1-55.0	62.1- 64.5	0.2399	0.3943	0.5483	0.7071	0.8708	1.0386	1.2098	1.3837	1.5598	1.7377	1.9172	2.0980	2.2799	2.4627	2.6464	2.8308	3.0158	3.2013	30.8
55.1-57.0	64.7- 67.1	0.2608	0.4255	0.5890	0.7576	0.9315	1.1100	1.2921	1.4773	1.6650	1.8547	2.0461	2.2390	2.4331	2.6283	2.8243	3.0212	3.2188	3.4170	31.1
57.1-59.0	67.2- 69.6	0.2829	0.4582	0.6314	0.8099	0.9943	1.1835	1.3769	1.5736	1.7730	1.9747	2.1784	2.3836	2.5902	2.7980	3.0068	3.2164	3.4269	3.6381	31.3
59.1-61.0	69.8- 72.2	0.3064	0.4926	0.6756	0.8642	1.0590	1.2593	1.4640	1.6724	1.8839	2.0978	2.3139	2.5317	2.7511	2.9717	3.1935	3.4163	3.6400	3.8644	31.6
61.1-63.0	72.3- 74.8	0.3315	0.5287	0.7216	0.9204	1.1259	1.3373	1.5535	1.7739	1.9975	2.2239	2.4527	2.6834	2.9157	3.1495	3.3846	3.6208	3.8579	4.0960	31.8
63.1-65.0	74.9- 77.4	0.3580	0.5666	0.7695	0.9785	1.1948	1.4175	1.6455	1.8779	2.1139	2.3530	2.5947	2.8384	3.0841	3.3313	3.5799	3.8298	4.0807	4.3325	32.0
65.1-67.0	77.5- 80.0	0.3863	0.6064	0.8194	1.0388	1.2659	1.5000	1.7398	1.9845	2.2331	2.4851	2.7398	2.9970	3.2561	3.5170	3.7794	4.0431	4.3081	4.5740	32.1
67.1-69.0	80.2- 82.7	0.4163	0.6482	0.8713	1.1011	1.3392	1.5848	1.8366	2.0937	2.3551	2.6201	2.8882	3.1588	3.4317	3.7065	3.9830	4.2609	4.5401	4.8204	32.3
69.1-71.0	82.8- 85.3	0.4481	0.6920	0.9253	1.1655	1.4147	1.6719	1.9359	2.2055	2.4798	2.7581	3.0397	3.3241	3.6109	3.8998	4.1905	4.4829	4.7766	5.0716	32.4
71.1-73.0	85.4- 88.0	0.4819	0.7380	0.9815	1.2322	1.4924	1.7613	2.0375	2.3199	2.6073	2.8990	3.1943	3.4926	3.7936	4.0968	4.4021	4.7090	5.0175	5.3274	32.5
73.1-75.0	88.1- 90.7	0.5178	0.7863	1.0399	1.3011	1.5725	1.8532	2.1417	2.4369	2.7375	3.0428	3.3520	3.6644	3.9798	4.2976	4.6175	4.9394	5.2629	5.5879	32.7
75.1-77.0	90.8- 93.3	0.5558	0.8369	1.1007	1.3724	1.6549	1.9474	2.2484	2.5565	2.8705	3.1895	3.5127	3.8395	4.1694	4.5019	4.8368	5.1738	5.5125	5.8528	32.8
77.1-79.0	93.5- 96.1	0.5961	0.8899	1.1639	1.4460	1.7397	2.0441	2.3576	2.6787	3.0063	3.3391	3.6765	4.0178	4.3624	4.7099	5.0599	5.4121	5.7663	6.1222	32.9
79.1-81.0	96.2- 98.8	0.6389	0.9455	1.2296	1.5221	1.8270	2.1433	2.4694	2.8036	3.1448	3.4916	3.8434	4.1993	4.5588	4.9214	5.2868	5.6545	6.0243	6.3960	32.9

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 20. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: 9, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.4	0.0032	0.0049	0.0061	0.0071	0.0080	0.0089	0.0097	0.0105	0.0113	0.0122	0.0130	0.0139	0.0147	0.0156	0.0165	0.0173	0.0182	0.0191	12.1
13.1-15.0	14.5- 16.6	0.0097	0.0170	0.0244	0.0320	0.0396	0.0474	0.0552	0.0631	0.0710	0.0790	0.0869	0.0949	0.1030	0.1110	0.1191	0.1271	0.1352	0.1433	13.9
15.1-17.0	16.8- 18.9	0.0160	0.0285	0.0416	0.0549	0.0685	0.0822	0.0961	0.1101	0.1241	0.1381	0.1523	0.1664	0.1806	0.1948	0.2091	0.2233	0.2376	0.2519	15.6
17.1-19.0	19.0- 21.2	0.0224	0.0400	0.0583	0.0771	0.0962	0.1154	0.1349	0.1544	0.1741	0.1938	0.2136	0.2334	0.2533	0.2732	0.2931	0.3131	0.3331	0.3531	17.1
19.1-21.0	21.3- 23.5	0.0291	0.0519	0.0755	0.0998	0.1244	0.1494	0.1745	0.1998	0.2252	0.2507	0.2763	0.3019	0.3276	0.3534	0.3791	0.4050	0.4308	0.4567	18.6
21.1-23.0	23.6- 25.8	0.0362	0.0643	0.0935	0.1235	0.1540	0.1848	0.2159	0.2472	0.2787	0.3103	0.3420	0.3737	0.4055	0.4374	0.4694	0.5014	0.5334	0.5655	19.9
23.1-25.0	25.9- 28.1	0.0437	0.0775	0.1125	0.1485	0.1851	0.2222	0.2596	0.2972	0.3351	0.3731	0.4112	0.4495	0.4878	0.5263	0.5647	0.6033	0.6419	0.6805	21.1
25.1-27.0	28.2- 30.4	0.0516	0.0914	0.1325	0.1748	0.2179	0.2615	0.3056	0.3500	0.3946	0.4394	0.4844	0.5296	0.5748	0.6201	0.6656	0.7111	0.7566	0.8023	22.3
27.1-29.0	30.5- 32.7	0.0602	0.1061	0.1537	0.2026	0.2524	0.3030	0.3541	0.4055	0.4573	0.5093	0.5616	0.6140	0.6666	0.7192	0.7720	0.8249	0.8779	0.9309	23.3
29.1-31.0	32.9- 35.1	0.0693	0.1217	0.1760	0.2318	0.2888	0.3466	0.4050	0.4639	0.5233	0.5829	0.6428	0.7029	0.7631	0.8235	0.8841	0.9448	1.0055	1.0664	24.3
31.1-33.0	35.2- 37.5	0.0790	0.1383	0.1995	0.2625	0.3269	0.3923	0.4585	0.5252	0.5924	0.6600	0.7279	0.7961	0.8645	0.9331	1.0018	1.0707	1.1396	1.2087	25.1
33.1-35.0	37.6- 39.9	0.0893	0.1558	0.2243	0.2948	0.3669	0.4402	0.5144	0.5893	0.6648	0.7407	0.8171	0.8937	0.9706	1.0477	1.1250	1.2025	1.2801	1.3579	25.9
35.1-37.0	40.0- 42.3	0.1004	0.1743	0.2503	0.3286	0.4087	0.4902	0.5728	0.6562	0.7403	0.8250	0.9101	0.9956	1.0814	1.1674	1.2537	1.3402	1.4269	1.5137	26.6
37.1-39.0	42.4- 44.7	0.1122	0.1938	0.2776	0.3639	0.4523	0.5423	0.6336	0.7259	0.8190	0.9127	1.0070	1.1017	1.1967	1.2921	1.3878	1.4836	1.5797	1.6760	27.3
39.1-41.0	44.8- 47.1	0.1248	0.2145	0.3062	0.4008	0.4978	0.5966	0.6969	0.7984	0.9008	1.0039	1.1077	1.2119	1.3166	1.4217	1.5271	1.6328	1.7387	1.8448	27.9
41.1-43.0	47.2- 49.6	0.1382	0.2362	0.3362	0.4393	0.5451	0.6530	0.7627	0.8736	0.9856	1.0985	1.2121	1.3262	1.4409	1.5561	1.6716	1.7874	1.9035	2.0199	28.4
43.1-45.0	49.7- 52.0	0.1526	0.2592	0.3676	0.4794	0.5943	0.7116	0.8308	0.9515	1.0734	1.1964	1.3201	1.4446	1.5696	1.6952	1.8212	1.9475	2.0742	2.2012	28.9
45.1-47.0	52.1- 54.5	0.1678	0.2833	0.4004	0.5212	0.6454	0.7722	0.9013	1.0321	1.1642	1.2976	1.4318	1.5669	1.7026	1.8389	1.9757	2.1130	2.2506	2.3886	29.4
47.1-49.0	54.6- 57.0	0.1841	0.3088	0.4347	0.5647	0.6983	0.8350	0.9742	1.1153	1.2580	1.4020	1.5471	1.6930	1.8398	1.9872	2.1352	2.2836	2.4325	2.5818	29.8
49.1-51.0	57.1- 59.5	0.2014	0.3355	0.4706	0.6098	0.7532	0.9000	1.0495	1.2012	1.3547	1.5096	1.6658	1.8230	1.9811	2.1399	2.2994	2.4594	2.6200	2.7809	30.2
51.1-53.0	59.6- 62.0	0.2198	0.3637	0.5080	0.6568	0.8100	0.9671	1.1271	1.2897	1.4542	1.6204	1.7880	1.9567	2.1265	2.2970	2.4683	2.6402	2.8127	2.9857	30.5
53.1-55.0	62.1- 64.5	0.2394	0.3934	0.5470	0.7054	0.8688	1.0363	1.2072	1.3808	1.5567	1.7344	1.9136	2.0942	2.2758	2.4584	2.6418	2.8260	3.0108	3.1961	30.8
55.1-57.0	64.7- 67.1	0.2602	0.4245	0.5877	0.7560	0.9296	1.1077	1.2896	1.4745	1.6619	1.8514	2.0426	2.2352	2.4291	2.6240	2.8199	3.0166	3.2139	3.4119	31.1
57.1-59.0	67.2- 69.6	0.2824	0.4573	0.6301	0.8083	0.9923	1.1813	1.3744	1.5708	1.7700	1.9715	2.1749	2.3799	2.5863	2.7938	3.0024	3.2119	3.4221	3.6331	31.3
59.1-61.0	69.8- 72.2	0.3059	0.4917	0.6743	0.8626	1.0571	1.2571	1.4616	1.6697	1.8809	2.0946	2.3105	2.5281	2.7472	2.9677	3.1893	3.4118	3.6353	3.8596	31.6
61.1-63.0	72.3- 74.8	0.3310	0.5278	0.7203	0.9188	1.1240	1.3351	1.5511	1.7712	1.9946	2.2208	2.4493	2.6798	2.9119	3.1455	3.3804	3.6164	3.8533	4.0911	31.8
63.1-65.0	74.9- 77.4	0.3576	0.5657	0.7683	0.9770	1.1930	1.4153	1.6431	1.8752	2.1111	2.3499	2.5913	2.8349	3.0803	3.3274	3.5758	3.8254	4.0761	4.3278	32.0
65.1-67.0	77.5- 80.0	0.3858	0.6055	0.8182	1.0372	1.2641	1.4979	1.7375	1.9819	2.2303	2.4820	2.7366	2.9935	3.2524	3.5131	3.7753	4.0389	4.3036	4.5693	32.1
67.1-69.0	80.2- 82.7	0.4158	0.6473	0.8701	1.0995	1.3374	1.5827	1.8343	2.0911	2.3523	2.6171	2.8849	3.1554	3.4281	3.7026	3.9789	4.2566	4.5356	4.8158	32.3
69.1-71.0	82.8- 85.3	0.4476	0.6912	0.9241	1.1640	1.4129	1.6698	1.9335	2.2029	2.4770	2.7551	3.0364	3.3206	3.6073	3.8960	4.1865	4.4787	4.7722	5.0670	32.4
71.1-73.0	85.4- 88.0	0.4814	0.7372	0.9803	1.2307	1.4906	1.7593	2.0352	2.3173	2.6045	2.8960	3.1911	3.4892	3.7900	4.0931	4.3981	4.7049	5.0132	5.3229	32.5
73.1-75.0	88.1- 90.7	0.5173	0.7855	1.0388	1.2996	1.5707	1.8511	2.1394	2.4343	2.7348	3.0398	3.3488	3.6611	3.9762	4.2938	4.6136	4.9352	5.2586	5.5834	32.7
75.1-77.0	90.8- 93.3	0.5553	0.8361	1.0996	1.3709	1.6531	1.9454	2.2461	2.5540	2.8678	3.1865	3.5095	3.8361	4.1658	4.4982	4.8329	5.1696	5.5082	5.8484	32.8
77.1-79.0	93.5- 96.1	0.5957	0.8891	1.1627	1.4445	1.7380	2.0421	2.3553	2.6762	3.0035	3.3362	3.6734	4.0144	4.3589	4.7062	5.0560	5.4080	5.7620	6.1178	32.9
79.1-81.0	96.2- 98.8	0.6385	0.9448	1.2284	1.5206	1.8252	2.1413	2.4671	2.8011	3.1420	3.4887	3.8402	4.1959	4.5553	4.9177	5.2829	5.6504	6.0201	6.3916	32.9

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 24. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.6- 9.7	0.0018	0.0032	0.0045	0.0058	0.0071	0.0083	0.0096	0.0109	0.0121	0.0134	0.0146	0.0159	0.0172	0.0184	0.0197	0.0210	0.0222	0.0235	8.3
9.1-11.0	9.9- 12.0	0.0069	0.0120	0.0172	0.0225	0.0278	0.0331	0.0384	0.0437	0.0491	0.0545	0.0598	0.0652	0.0706	0.0760	0.0814	0.0867	0.0921	0.0975	10.1
11.1-13.0	12.2- 14.4	0.0117	0.0203	0.0290	0.0378	0.0467	0.0556	0.0645	0.0735	0.0824	0.0914	0.1004	0.1094	0.1184	0.1274	0.1364	0.1454	0.1544	0.1635	11.9
13.1-15.0	14.5- 16.7	0.0167	0.0290	0.0415	0.0542	0.0668	0.0796	0.0924	0.1052	0.1180	0.1308	0.1437	0.1566	0.1695	0.1824	0.1953	0.2082	0.2211	0.2341	13.6
15.1-17.0	16.8- 19.0	0.0222	0.0385	0.0551	0.0719	0.0889	0.1058	0.1229	0.1399	0.1570	0.1741	0.1913	0.2085	0.2257	0.2429	0.2601	0.2773	0.2946	0.3118	15.1
17.1-19.0	19.1- 21.3	0.0280	0.0488	0.0700	0.0914	0.1129	0.1345	0.1562	0.1780	0.1998	0.2216	0.2435	0.2654	0.2874	0.3093	0.3313	0.3533	0.3753	0.3974	16.6
19.1-21.0	21.4- 23.6	0.0343	0.0599	0.0860	0.1124	0.1390	0.1657	0.1925	0.2194	0.2464	0.2734	0.3005	0.3276	0.3547	0.3819	0.4091	0.4363	0.4635	0.4908	18.0
21.1-23.0	23.7- 25.9	0.0411	0.0719	0.1033	0.1351	0.1671	0.1994	0.2318	0.2642	0.2968	0.3294	0.3621	0.3949	0.4276	0.4605	0.4933	0.5262	0.5591	0.5921	19.2
23.1-25.0	26.0- 28.3	0.0484	0.0847	0.1218	0.1594	0.1973	0.2355	0.2738	0.3123	0.3509	0.3896	0.4284	0.4672	0.5061	0.5450	0.5840	0.6230	0.6621	0.7012	20.4
25.1-27.0	28.4- 30.6	0.0561	0.0983	0.1415	0.1852	0.2295	0.2740	0.3187	0.3637	0.4087	0.4539	0.4992	0.5445	0.5899	0.6354	0.6810	0.7266	0.7722	0.8179	21.5
27.1-29.0	30.7- 32.9	0.0643	0.1127	0.1623	0.2127	0.2636	0.3148	0.3664	0.4181	0.4701	0.5222	0.5744	0.6267	0.6791	0.7315	0.7841	0.8367	0.8894	0.9421	22.5
29.1-31.0	33.0- 35.3	0.0730	0.1280	0.1844	0.2416	0.2995	0.3579	0.4167	0.4757	0.5349	0.5943	0.6539	0.7136	0.7734	0.8332	0.8932	0.9533	1.0134	1.0735	23.4
31.1-33.0	35.4- 37.6	0.0822	0.1441	0.2076	0.2721	0.3374	0.4033	0.4696	0.5362	0.6032	0.6703	0.7376	0.8051	0.8727	0.9404	1.0082	1.0761	1.1441	1.2121	24.3
33.1-35.0	37.7- 39.9	0.0919	0.1611	0.2319	0.3040	0.3771	0.4508	0.5251	0.5997	0.6747	0.7500	0.8254	0.9011	0.9769	1.0528	1.1289	1.2050	1.2813	1.3577	25.0
35.1-37.0	40.1- 42.3	0.1021	0.1788	0.2574	0.3374	0.4185	0.5005	0.5830	0.6661	0.7495	0.8332	0.9172	1.0015	1.0859	1.1704	1.2551	1.3400	1.4249	1.5100	25.8
37.1-39.0	42.4- 44.6	0.1129	0.1975	0.2840	0.3722	0.4617	0.5522	0.6434	0.7352	0.8274	0.9200	1.0129	1.1061	1.1995	1.2931	1.3868	1.4807	1.5747	1.6688	26.4
39.1-41.0	44.7- 47.0	0.1242	0.2169	0.3117	0.4085	0.5067	0.6060	0.7062	0.8070	0.9084	1.0102	1.1124	1.2149	1.3176	1.4206	1.5237	1.6271	1.7305	1.8342	27.0
41.1-43.0	47.1- 49.3	0.1362	0.2373	0.3406	0.4461	0.5533	0.6618	0.7713	0.8815	0.9924	1.1038	1.2156	1.3277	1.4402	1.5529	1.6658	1.7789	1.8923	2.0057	27.6
43.1-45.0	49.5- 51.7	0.1487	0.2585	0.3706	0.4852	0.6016	0.7196	0.8387	0.9586	1.0793	1.2006	1.3224	1.4445	1.5670	1.6898	1.8129	1.9362	2.0597	2.1834	28.1
45.1-47.0	51.8- 54.1	0.1618	0.2806	0.4018	0.5256	0.6516	0.7793	0.9083	1.0383	1.1691	1.3006	1.4326	1.5652	1.6981	1.8313	1.9649	2.0987	2.2327	2.3669	28.5
47.1-49.0	54.2- 56.4	0.1756	0.3036	0.4341	0.5674	0.7032	0.8409	0.9801	1.1204	1.2617	1.4037	1.5463	1.6895	1.8332	1.9772	2.1215	2.2662	2.4111	2.5563	29.0
49.1-51.0	56.5- 58.8	0.1900	0.3276	0.4675	0.6106	0.7564	0.9044	1.0540	1.2050	1.3570	1.5098	1.6634	1.8176	1.9722	2.1274	2.2829	2.4387	2.5949	2.7513	29.4
51.1-53.0	58.9- 61.2	0.2051	0.3525	0.5021	0.6552	0.8113	0.9698	1.1301	1.2919	1.4549	1.6189	1.7837	1.9491	2.1152	2.2817	2.4487	2.6160	2.7837	2.9517	29.7
53.1-55.0	61.3- 63.5	0.2210	0.3784	0.5379	0.7012	0.8677	1.0369	1.2082	1.3812	1.5555	1.7309	1.9071	2.0842	2.2619	2.4401	2.6189	2.7981	2.9776	3.1575	30.0
55.1-57.0	63.7- 65.9	0.2376	0.4052	0.5749	0.7485	0.9258	1.1059	1.2884	1.4728	1.6586	1.8457	2.0337	2.2226	2.4123	2.6025	2.7934	2.9846	3.1764	3.3684	30.3
57.1-59.0	66.0- 68.3	0.2549	0.4331	0.6130	0.7972	0.9854	1.1767	1.3707	1.5666	1.7642	1.9632	2.1633	2.3644	2.5663	2.7688	2.9720	3.1757	3.3799	3.5844	30.6
59.1-61.0	68.4- 70.7	0.2730	0.4621	0.6524	0.8473	1.0465	1.2493	1.4549	1.6627	1.8723	2.0835	2.2959	2.5094	2.7237	2.9389	3.1547	3.3711	3.5880	3.8054	30.9
61.1-63.0	70.8- 73.1	0.2920	0.4921	0.6930	0.8988	1.1093	1.3236	1.5410	1.7609	1.9828	2.2064	2.4314	2.6575	2.8846	3.1126	3.3413	3.5707	3.8006	4.0310	31.1
63.1-65.0	73.2- 75.5	0.3118	0.5232	0.7349	0.9517	1.1736	1.3997	1.6291	1.8613	2.0957	2.3319	2.5697	2.8087	3.0488	3.2899	3.5318	3.7744	4.0176	4.2614	31.3
65.1-67.0	75.6- 77.9	0.3326	0.5554	0.7780	1.0061	1.2395	1.4775	1.7192	1.9638	2.2109	2.4600	2.7108	2.9629	3.2163	3.4707	3.7260	3.9821	4.2389	4.4963	31.5
67.1-69.0	78.0- 80.3	0.3542	0.5888	0.8225	1.0618	1.3069	1.5570	1.8111	2.0684	2.3284	2.5906	2.8546	3.1201	3.3869	3.6549	3.9239	4.1937	4.4643	4.7356	31.6
69.1-71.0	80.4- 82.7	0.3768	0.6234	0.8682	1.1190	1.3760	1.6383	1.9049	2.1751	2.4481	2.7236	3.0010	3.2801	3.5607	3.8425	4.1253	4.4091	4.6938	4.9791	31.8
71.1-73.0	82.8- 85.1	0.4004	0.6592	0.9153	1.1776	1.4465	1.7212	2.0006	2.2837	2.5701	2.8590	3.1501	3.4430	3.7374	4.0333	4.3302	4.6283	4.9272	5.2269	31.9
73.1-75.0	85.2- 87.5	0.4251	0.6962	0.9638	1.2377	1.5187	1.8059	2.0981	2.3944	2.6942	2.9967	3.3017	3.6086	3.9172	4.2272	4.5386	4.8510	5.1644	5.4787	32.1
75.1-77.0	87.6- 89.9	0.4508	0.7346	1.0136	1.2992	1.5924	1.8922	2.1974	2.5071	2.8205	3.1368	3.4558	3.7768	4.0998	4.4243	4.7502	5.0772	5.4054	5.7345	32.2
77.1-79.0	90.0- 92.3	0.4777	0.7743	1.0648	1.3623	1.6678	1.9803	2.2986	2.6217	2.9488	3.2792	3.6123	3.9478	4.2852	4.6243	4.9650	5.3069	5.6500	5.9941	32.3
79.1-81.0	92.5- 94.8	0.5057	0.8153	1.1175	1.4269	1.7447	2.0700	2.4016	2.7383	3.0793	3.4238	3.7713	4.1213	4.4734	4.8274	5.1829	5.5399	5.8982	6.2575	32.4

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Table 25. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.2- 14.4	0.0057	0.0100	0.0142	0.0184	0.0226	0.0268	0.0310	0.0352	0.0394	0.0437	0.0479	0.0521	0.0563	0.0606	0.0648	0.0690	0.0733	0.0775	11.9
13.1-15.0	14.5- 16.7	0.0121	0.0213	0.0308	0.0404	0.0501	0.0599	0.0696	0.0795	0.0893	0.0992	0.1091	0.1190	0.1289	0.1389	0.1488	0.1588	0.1687	0.1787	13.6
15.1-17.0	16.8- 19.0	0.0183	0.0323	0.0466	0.0611	0.0758	0.0905	0.1053	0.1202	0.1350	0.1500	0.1649	0.1799	0.1948	0.2098	0.2248	0.2398	0.2549	0.2699	15.1
17.1-19.0	19.1- 21.3	0.0247	0.0435	0.0628	0.0823	0.1020	0.1218	0.1417	0.1617	0.1817	0.2018	0.2219	0.2420	0.2621	0.2823	0.3025	0.3227	0.3429	0.3631	16.6
19.1-21.0	21.4- 23.6	0.0314	0.0553	0.0797	0.1045	0.1296	0.1548	0.1800	0.2054	0.2309	0.2564	0.2819	0.3075	0.3331	0.3588	0.3845	0.4102	0.4359	0.4616	18.0
21.1-23.0	23.7- 25.9	0.0384	0.0677	0.0977	0.1281	0.1588	0.1897	0.2207	0.2519	0.2831	0.3144	0.3458	0.3772	0.4087	0.4402	0.4717	0.5033	0.5349	0.5665	19.2
23.1-25.0	26.0- 28.3	0.0459	0.0808	0.1166	0.1530	0.1897	0.2267	0.2639	0.3012	0.3386	0.3761	0.4137	0.4514	0.4891	0.5269	0.5647	0.6025	0.6404	0.6784	20.4
25.1-27.0	28.4- 30.6	0.0538	0.0947	0.1367	0.1794	0.2225	0.2659	0.3096	0.3535	0.3975	0.4416	0.4858	0.5301	0.5745	0.6189	0.6634	0.7080	0.7526	0.7972	21.5
27.1-29.0	30.7- 32.9	0.0621	0.1094	0.1579	0.2072	0.2571	0.3073	0.3579	0.4087	0.4597	0.5108	0.5621	0.6134	0.6649	0.7164	0.7680	0.8196	0.8713	0.9231	22.5
29.1-31.0	33.0- 35.3	0.0709	0.1249	0.1802	0.2365	0.2935	0.3509	0.4088	0.4669	0.5253	0.5838	0.6425	0.7013	0.7602	0.8192	0.8783	0.9374	0.9967	1.0560	23.4
31.1-33.0	35.4- 37.6	0.0802	0.1411	0.2036	0.2672	0.3316	0.3967	0.4622	0.5280	0.5941	0.6604	0.7269	0.7936	0.8603	0.9272	0.9942	1.0613	1.1285	1.1957	24.3
33.1-35.0	37.7- 39.9	0.0900	0.1582	0.2281	0.2994	0.3716	0.4445	0.5180	0.5919	0.6661	0.7406	0.8153	0.8902	0.9653	1.0404	1.1157	1.1911	1.2667	1.3422	25.0
35.1-37.0	40.1- 42.3	0.1003	0.1761	0.2537	0.3329	0.4133	0.4945	0.5763	0.6586	0.7413	0.8244	0.9076	0.9911	1.0748	1.1587	1.2427	1.3268	1.4110	1.4954	25.8
37.1-39.0	42.4- 44.6	0.1112	0.1948	0.2805	0.3679	0.4567	0.5465	0.6370	0.7281	0.8196	0.9115	1.0038	1.0963	1.1890	1.2819	1.3750	1.4682	1.5615	1.6550	26.4
39.1-41.0	44.7- 47.0	0.1226	0.2143	0.3083	0.4043	0.5018	0.6005	0.7000	0.8002	0.9009	1.0021	1.1036	1.2055	1.3076	1.4099	1.5124	1.6151	1.7179	1.8209	27.0
41.1-43.0	47.1- 49.3	0.1345	0.2348	0.3373	0.4421	0.5486	0.6564	0.7653	0.8749	0.9852	1.0960	1.2071	1.3187	1.4305	1.5426	1.6549	1.7675	1.8802	1.9930	27.6
43.1-45.0	49.5- 51.7	0.1471	0.2560	0.3674	0.4812	0.5971	0.7144	0.8329	0.9522	1.0723	1.1930	1.3142	1.4358	1.5577	1.6799	1.8024	1.9251	2.0481	2.1712	28.1
45.1-47.0	51.8- 54.1	0.1603	0.2782	0.3986	0.5218	0.6471	0.7742	0.9026	1.0321	1.1623	1.2932	1.4247	1.5567	1.6890	1.8217	1.9547	2.0880	2.2215	2.3552	28.5
47.1-49.0	54.2- 56.4	0.1741	0.3013	0.4310	0.5637	0.6989	0.8360	0.9746	1.1143	1.2550	1.3965	1.5386	1.6813	1.8244	1.9679	2.1117	2.2558	2.4002	2.5449	29.0
49.1-51.0	56.5- 58.8	0.1886	0.3253	0.4645	0.6070	0.7522	0.8996	1.0486	1.1990	1.3505	1.5028	1.6559	1.8095	1.9637	2.1183	2.2733	2.4286	2.5843	2.7402	29.4
51.1-53.0	58.9- 61.2	0.2037	0.3503	0.4992	0.6516	0.8071	0.9650	1.1248	1.2861	1.4486	1.6121	1.7763	1.9413	2.1068	2.2729	2.4394	2.6062	2.7734	2.9409	29.7
53.1-55.0	61.3- 63.5	0.2196	0.3762	0.5350	0.6976	0.8636	1.0323	1.2031	1.3755	1.5493	1.7242	1.9000	2.0765	2.2537	2.4315	2.6098	2.7884	2.9675	3.1469	30.0
55.1-57.0	63.7- 65.9	0.2362	0.4031	0.5720	0.7450	0.9217	1.1014	1.2833	1.4672	1.6525	1.8391	2.0267	2.2151	2.4043	2.5941	2.7844	2.9752	3.1665	3.3581	30.3
57.1-59.0	66.0- 68.3	0.2536	0.4310	0.6102	0.7938	0.9814	1.1722	1.3656	1.5611	1.7582	1.9567	2.1564	2.3570	2.5584	2.7605	2.9632	3.1664	3.3702	3.5743	30.6
59.1-61.0	68.4- 70.7	0.2717	0.4600	0.6496	0.8439	1.0426	1.2448	1.4499	1.6572	1.8664	2.0771	2.2891	2.5021	2.7160	2.9307	3.1460	3.3620	3.5784	3.7954	30.9
61.1-63.0	70.8- 73.1	0.2907	0.4900	0.6903	0.8955	1.1054	1.3192	1.5361	1.7555	1.9770	2.2001	2.4246	2.6503	2.8770	3.1045	3.3328	3.5617	3.7912	4.0212	31.1
63.1-65.0	73.2- 75.5	0.3106	0.5211	0.7322	0.9484	1.1698	1.3953	1.6243	1.8560	2.0899	2.3257	2.5630	2.8016	3.0413	3.2819	3.5234	3.7655	4.0083	4.2517	31.3
65.1-67.0	75.6- 77.9	0.3313	0.5534	0.7754	1.0028	1.2357	1.4732	1.7143	1.9585	2.2052	2.4538	2.7041	2.9559	3.2088	3.4628	3.7177	3.9733	4.2297	4.4867	31.5
67.1-69.0	78.0- 80.3	0.3530	0.5868	0.8198	1.0585	1.3031	1.5527	1.8063	2.0632	2.3227	2.5844	2.8480	3.1131	3.3795	3.6471	3.9156	4.1851	4.4552	4.7261	31.6
69.1-71.0	80.4- 82.7	0.3756	0.6214	0.8656	1.1157	1.3722	1.6340	1.9001	2.1698	2.4425	2.7175	2.9945	3.2732	3.5533	3.8347	4.1172	4.4005	4.6848	4.9697	31.8
71.1-73.0	82.8- 85.1	0.3992	0.6572	0.9127	1.1744	1.4428	1.7170	1.9958	2.2786	2.5644	2.8529	3.1436	3.4361	3.7301	4.0255	4.3221	4.6197	4.9183	5.2176	31.9
73.1-75.0	85.2- 87.5	0.4239	0.6943	0.9612	1.2345	1.5150	1.8016	2.0934	2.3893	2.6886	2.9907	3.2952	3.6017	3.9099	4.2195	4.5305	4.8425	5.1555	5.4695	32.1
75.1-77.0	87.6- 89.9	0.4497	0.7327	1.0110	1.2961	1.5887	1.8880	2.1927	2.5020	2.8149	3.1308	3.4493	3.7700	4.0925	4.4166	4.7421	5.0688	5.3966	5.7253	32.2
77.1-79.0	90.0- 92.3	0.4766	0.7724	1.0623	1.3591	1.6641	1.9760	2.2939	2.6166	2.9433	3.2732	3.6059	3.9409	4.2780	4.6167	4.9570	5.2985	5.6412	5.9849	32.3
79.1-81.0	92.5- 94.8	0.5046	0.8134	1.1150	1.4237	1.7410	2.0658	2.3969	2.7332	3.0737	3.4178	3.7649	4.1145	4.4662	4.8198	5.1749	5.5315	5.8894	6.2484	32.4

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 26. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: WHITE SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.2- 14.4	0.0028	0.0046	0.0062	0.0076	0.0089	0.0102	0.0115	0.0128	0.0142	0.0155	0.0168	0.0181	0.0194	0.0207	0.0220	0.0233	0.0247	0.0260	11.9
13.1-15.0	14.5- 16.7	0.0096	0.0169	0.0244	0.0318	0.0394	0.0470	0.0546	0.0622	0.0699	0.0776	0.0853	0.0930	0.1008	0.1085	0.1163	0.1240	0.1318	0.1396	13.6
15.1-17.0	16.8- 19.0	0.0163	0.0289	0.0418	0.0548	0.0680	0.0814	0.0947	0.1081	0.1216	0.1351	0.1486	0.1621	0.1757	0.1893	0.2029	0.2165	0.2301	0.2437	15.1
17.1-19.0	19.1- 21.3	0.0230	0.0407	0.0588	0.0773	0.0959	0.1146	0.1334	0.1523	0.1712	0.1902	0.2092	0.2283	0.2474	0.2664	0.2856	0.3047	0.3238	0.3430	16.6
19.1-21.0	21.4- 23.6	0.0299	0.0528	0.0764	0.1003	0.1244	0.1487	0.1731	0.1976	0.2222	0.2468	0.2715	0.2962	0.3209	0.3457	0.3705	0.3954	0.4202	0.4451	18.0
21.1-23.0	23.7- 25.9	0.0371	0.0655	0.0947	0.1243	0.1543	0.1844	0.2147	0.2451	0.2756	0.3062	0.3368	0.3675	0.3982	0.4290	0.4598	0.4906	0.5215	0.5524	19.2
23.1-25.0	26.0- 28.3	0.0447	0.0789	0.1140	0.1497	0.1857	0.2220	0.2586	0.2952	0.3320	0.3689	0.4058	0.4428	0.4799	0.5170	0.5542	0.5914	0.6286	0.6659	20.4
25.1-27.0	28.4- 30.6	0.0527	0.0929	0.1343	0.1763	0.2189	0.2617	0.3048	0.3481	0.3915	0.4351	0.4787	0.5224	0.5662	0.6101	0.6540	0.6980	0.7420	0.7860	21.5
27.1-29.0	30.7- 32.9	0.0611	0.1077	0.1556	0.2044	0.2537	0.3035	0.3535	0.4038	0.4542	0.5048	0.5556	0.6064	0.6573	0.7083	0.7594	0.8105	0.8617	0.9129	22.5
29.1-31.0	33.0- 35.3	0.0700	0.1233	0.1781	0.2339	0.2903	0.3473	0.4047	0.4623	0.5202	0.5783	0.6365	0.6948	0.7532	0.8118	0.8704	0.9291	0.9878	1.0466	23.4
31.1-33.0	35.4- 37.6	0.0793	0.1396	0.2016	0.2647	0.3287	0.3933	0.4583	0.5237	0.5894	0.6552	0.7213	0.7875	0.8539	0.9203	0.9869	1.0535	1.1203	1.1871	24.3
33.1-35.0	37.7- 39.9	0.0891	0.1568	0.2262	0.2970	0.3688	0.4414	0.5144	0.5879	0.6617	0.7358	0.8101	0.8846	0.9592	1.0340	1.1089	1.1839	1.2590	1.3342	25.0
35.1-37.0	40.1- 42.3	0.0995	0.1747	0.2519	0.3307	0.4107	0.4915	0.5729	0.6548	0.7371	0.8198	0.9027	0.9858	1.0691	1.1526	1.2362	1.3200	1.4038	1.4878	25.8
37.1-39.0	42.4- 44.6	0.1104	0.1935	0.2788	0.3658	0.4542	0.5436	0.6337	0.7244	0.8156	0.9072	0.9991	1.0912	1.1836	1.2761	1.3688	1.4617	1.5547	1.6478	26.4
39.1-41.0	44.7- 47.0	0.1218	0.2131	0.3067	0.4023	0.4994	0.5977	0.6969	0.7967	0.8971	0.9980	1.0991	1.2007	1.3024	1.4044	1.5066	1.6089	1.7114	1.8141	27.0
41.1-43.0	47.1- 49.3	0.1338	0.2336	0.3357	0.4401	0.5463	0.6538	0.7623	0.8716	0.9815	1.0920	1.2028	1.3141	1.4256	1.5374	1.6494	1.7616	1.8740	1.9865	27.6
43.1-45.0	49.5- 51.7	0.1464	0.2549	0.3659	0.4793	0.5948	0.7118	0.8300	0.9490	1.0688	1.1892	1.3101	1.4313	1.5530	1.6749	1.7971	1.9195	2.0421	2.1649	28.1
45.1-47.0	51.8- 54.1	0.1596	0.2771	0.3971	0.5199	0.6450	0.7717	0.8998	1.0289	1.1589	1.2895	1.4207	1.5524	1.6845	1.8169	1.9496	2.0825	2.2157	2.3491	28.5
47.1-49.0	54.2- 56.4	0.1734	0.3002	0.4295	0.5619	0.6967	0.8335	0.9718	1.1113	1.2518	1.3929	1.5348	1.6772	1.8200	1.9632	2.1067	2.2506	2.3947	2.5391	29.0
49.1-51.0	56.5- 58.8	0.1879	0.3242	0.4631	0.6052	0.7501	0.8972	1.0460	1.1961	1.3473	1.4993	1.6521	1.8055	1.9594	2.1138	2.2685	2.4236	2.5789	2.7346	29.4
51.1-53.0	58.9- 61.2	0.2031	0.3492	0.4978	0.6499	0.8051	0.9627	1.1222	1.2832	1.4455	1.6087	1.7727	1.9374	2.1027	2.2685	2.4347	2.6013	2.7682	2.9355	29.7
53.1-55.0	61.3- 63.5	0.2190	0.3752	0.5336	0.6960	0.8617	1.0300	1.2005	1.3727	1.5462	1.7209	1.8964	2.0727	2.2497	2.4272	2.6052	2.7836	2.9625	3.1416	30.0
55.1-57.0	63.7- 65.9	0.2356	0.4021	0.5707	0.7434	0.9198	1.0991	1.2809	1.4644	1.6495	1.8358	2.0232	2.2114	2.4003	2.5899	2.7800	2.9706	3.1616	3.3529	30.3
57.1-59.0	66.0- 68.3	0.2530	0.4300	0.6089	0.7922	0.9795	1.1700	1.3632	1.5584	1.7553	1.9536	2.1530	2.3533	2.5545	2.7564	2.9589	3.1619	3.3654	3.5692	30.6
59.1-61.0	68.4- 70.7	0.2711	0.4590	0.6483	0.8424	1.0407	1.2427	1.4475	1.6546	1.8635	2.0740	2.2857	2.4985	2.7122	2.9266	3.1418	3.3575	3.5737	3.7904	30.9
61.1-63.0	70.8- 73.1	0.2901	0.4891	0.6890	0.8939	1.1036	1.3171	1.5338	1.7529	1.9742	2.1971	2.4213	2.6468	2.8732	3.1005	3.3286	3.5573	3.7866	4.0164	31.1
63.1-65.0	73.2- 75.5	0.3100	0.5202	0.7309	0.9469	1.1679	1.3932	1.6220	1.8534	2.0871	2.3227	2.5598	2.7981	3.0376	3.2780	3.5193	3.7612	4.0038	4.2470	31.3
65.1-67.0	75.6- 77.9	0.3308	0.5525	0.7741	1.0013	1.2339	1.4711	1.7121	1.9560	2.2024	2.4508	2.7010	2.9525	3.2052	3.4590	3.7136	3.9691	4.2253	4.4820	31.5
67.1-69.0	78.0- 80.3	0.3524	0.5859	0.8186	1.0570	1.3014	1.5507	1.8040	2.0607	2.3200	2.5815	2.8448	3.1097	3.3760	3.6433	3.9117	4.1809	4.4508	4.7215	31.6
69.1-71.0	80.4- 82.7	0.3751	0.6205	0.8644	1.1143	1.3704	1.6320	1.8979	2.1674	2.4398	2.7146	2.9914	3.2699	3.5498	3.8310	4.1132	4.3964	4.6804	4.9652	31.8
71.1-73.0	82.8- 85.1	0.3987	0.6564	0.9115	1.1729	1.4411	1.7150	1.9936	2.2761	2.5618	2.8500	3.1405	3.4328	3.7266	4.0218	4.3182	4.6156	4.9140	5.2131	31.9
73.1-75.0	85.2- 87.5	0.4234	0.6934	0.9600	1.2330	1.5132	1.7997	2.0912	2.3868	2.6859	2.9879	3.2922	3.5984	3.9064	4.2159	4.5266	4.8385	5.1513	5.4650	32.1
75.1-77.0	87.6- 89.9	0.4492	0.7318	1.0099	1.2946	1.5870	1.8860	2.1906	2.4996	2.8122	3.1280	3.4463	3.7668	4.0891	4.4130	4.7383	5.0648	5.3924	5.7209	32.2
77.1-79.0	90.0- 92.3	0.4761	0.7715	1.0611	1.3577	1.6624	1.9741	2.2918	2.6142	2.9407	3.2704	3.6029	3.9377	4.2746	4.6131	4.9532	5.2945	5.6371	5.9806	32.3
79.1-81.0	92.5- 94.8	0.5041	0.8126	1.1139	1.4223	1.7393	2.0639	2.3948	2.7308	3.0711	3.4150	3.7619	4.1113	4.4628	4.8162	5.1712	5.5276	5.8853	6.2440	32.4

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 1. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 7, 8

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.0- 3.0	0.0004	0.0006	0.0009	0.0011	0.0013	0.0015	0.0017	0.0019	0.0021	0.0024	0.0026	0.0028	0.0030	0.0032	0.0034	0.0037	0.0039	0.0041	4.3
3.1- 5.0	3.1- 5.1	0.0023	0.0035	0.0047	0.0059	0.0071	0.0083	0.0096	0.0108	0.0120	0.0132	0.0144	0.0156	0.0168	0.0180	0.0192	0.0204	0.0216	0.0229	6.3
5.1- 7.0	5.2- 7.3	0.0053	0.0081	0.0110	0.0138	0.0166	0.0194	0.0222	0.0251	0.0279	0.0307	0.0335	0.0364	0.0392	0.0420	0.0448	0.0477	0.0505	0.0533	8.0
7.1- 9.0	7.4- 9.4	0.0095	0.0146	0.0197	0.0247	0.0298	0.0349	0.0400	0.0451	0.0502	0.0553	0.0604	0.0655	0.0706	0.0757	0.0808	0.0859	0.0910	0.0961	9.5
9.1-11.0	9.5- 11.6	0.0148	0.0227	0.0307	0.0387	0.0467	0.0547	0.0628	0.0708	0.0788	0.0868	0.0948	0.1029	0.1109	0.1189	0.1269	0.1350	0.1430	0.1511	10.8
11.1-13.0	11.7- 13.7	0.0211	0.0326	0.0441	0.0556	0.0672	0.0787	0.0903	0.1018	0.1134	0.1250	0.1366	0.1481	0.1597	0.1713	0.1829	0.1945	0.2061	0.2177	11.9
13.1-15.0	13.9- 15.9	0.0284	0.0440	0.0596	0.0753	0.0910	0.1067	0.1224	0.1381	0.1538	0.1695	0.1853	0.2010	0.2168	0.2325	0.2483	0.2640	0.2798	0.2956	13.0
15.1-17.0	16.0- 18.1	0.0366	0.0569	0.0772	0.0976	0.1180	0.1384	0.1588	0.1793	0.1997	0.2202	0.2407	0.2612	0.2817	0.3022	0.3227	0.3432	0.3637	0.3843	14.0
17.1-19.0	18.3- 20.4	0.0457	0.0711	0.0967	0.1223	0.1480	0.1737	0.1994	0.2252	0.2509	0.2767	0.3025	0.3283	0.3541	0.3799	0.4057	0.4316	0.4574	0.4832	14.9
19.1-21.0	20.5- 22.6	0.0556	0.0867	0.1180	0.1494	0.1809	0.2124	0.2439	0.2755	0.3071	0.3387	0.3703	0.4020	0.4336	0.4653	0.4969	0.5286	0.5603	0.5920	15.7
21.1-23.0	22.7- 24.9	0.0662	0.1035	0.1410	0.1787	0.2164	0.2543	0.2921	0.3300	0.3679	0.4059	0.4439	0.4819	0.5199	0.5579	0.5959	0.6339	0.6720	0.7101	16.4
23.1-25.0	25.0- 27.1	0.0776	0.1215	0.1656	0.2100	0.2545	0.2991	0.3438	0.3885	0.4332	0.4780	0.5228	0.5676	0.6125	0.6573	0.7022	0.7471	0.7920	0.8369	17.1
25.1-27.0	27.2- 29.4	0.0896	0.1405	0.1917	0.2433	0.2950	0.3468	0.3987	0.4507	0.5027	0.5547	0.6068	0.6589	0.7110	0.7632	0.8154	0.8676	0.9198	0.9720	17.7
27.1-29.0	29.5- 31.7	0.1023	0.1605	0.2192	0.2783	0.3376	0.3971	0.4567	0.5163	0.5760	0.6358	0.6956	0.7554	0.8153	0.8751	0.9350	0.9950	1.0549	1.1149	18.3
29.1-31.0	31.8- 34.0	0.1155	0.1814	0.2480	0.3150	0.3824	0.4499	0.5175	0.5852	0.6530	0.7209	0.7888	0.8567	0.9247	0.9927	1.0608	1.1289	1.1970	1.2651	18.8
31.1-33.0	34.1- 36.3	0.1293	0.2032	0.2780	0.3533	0.4290	0.5049	0.5809	0.6571	0.7334	0.8097	0.8861	0.9626	1.0391	1.1157	1.1922	1.2688	1.3455	1.4221	19.3
33.1-35.0	36.4- 38.7	0.1437	0.2258	0.3091	0.3930	0.4774	0.5620	0.6468	0.7318	0.8169	0.9021	0.9874	1.0727	1.1581	1.2435	1.3290	1.4145	1.5000	1.5856	19.8
35.1-37.0	38.8- 41.0	0.1585	0.2492	0.3412	0.4340	0.5274	0.6211	0.7150	0.8091	0.9034	0.9977	1.0922	1.1867	1.2813	1.3759	1.4706	1.5653	1.6601	1.7549	20.2
37.1-39.0	41.1- 43.4	0.1737	0.2732	0.3742	0.4763	0.5789	0.6819	0.7853	0.8888	0.9925	1.0963	1.2003	1.3043	1.4084	1.5126	1.6168	1.7211	1.8254	1.9297	20.6
39.1-41.0	43.5- 45.8	0.1895	0.2979	0.4082	0.5196	0.6318	0.7444	0.8574	0.9707	1.0841	1.1977	1.3114	1.4252	1.5392	1.6531	1.7672	1.8813	1.9954	2.1096	21.0
41.1-43.0	45.9- 48.2	0.2056	0.3231	0.4429	0.5640	0.6859	0.8084	0.9313	1.0546	1.1780	1.3016	1.4254	1.5492	1.6732	1.7973	1.9214	2.0456	2.1699	2.2942	21.3
43.1-45.0	48.3- 50.6	0.2221	0.3490	0.4783	0.6092	0.7412	0.8738	1.0068	1.1402	1.2739	1.4078	1.5418	1.6760	1.8103	1.9447	2.0791	2.2137	2.3483	2.4830	21.6
45.1-47.0	50.7- 53.0	0.2390	0.3753	0.5144	0.6554	0.7975	0.9403	1.0838	1.2276	1.3717	1.5160	1.6606	1.8053	1.9501	2.0950	2.2401	2.3852	2.5304	2.6757	21.9
47.1-49.0	53.1- 55.4	0.2562	0.4020	0.5511	0.7022	0.8547	1.0080	1.1620	1.3164	1.4711	1.6262	1.7814	1.9368	2.0924	2.2481	2.4039	2.5598	2.7158	2.8719	22.2
49.1-51.0	55.6- 57.9	0.2737	0.4292	0.5883	0.7498	0.9127	1.0767	1.2413	1.4065	1.5721	1.7379	1.9041	2.0704	2.2369	2.4035	2.5703	2.7372	2.9041	3.0712	22.4
51.1-53.0	58.0- 60.4	0.2916	0.4568	0.6260	0.7979	0.9715	1.1462	1.3217	1.4978	1.6743	1.8512	2.0283	2.2057	2.3833	2.5611	2.7390	2.9170	3.0951	3.2733	22.6
53.1-55.0	60.5- 62.8	0.3098	0.4847	0.6642	0.8465	1.0308	1.2164	1.4029	1.5900	1.7777	1.9657	2.1541	2.3427	2.5315	2.7205	2.9097	3.0990	3.2884	3.4779	22.9
55.1-57.0	63.0- 65.3	0.3282	0.5130	0.7027	0.8956	1.0907	1.2873	1.4849	1.6832	1.8820	2.0813	2.2810	2.4810	2.6811	2.8815	3.0821	3.2828	3.4837	3.6847	23.1
57.1-59.0	65.5- 67.8	0.3469	0.5415	0.7415	0.9451	1.1511	1.3587	1.5675	1.7770	1.9872	2.1979	2.4090	2.6204	2.8321	3.0439	3.2560	3.4683	3.6807	3.8932	23.2
59.1-61.0	68.0- 70.4	0.3659	0.5703	0.7806	0.9949	1.2119	1.4306	1.6506	1.8715	2.0931	2.3152	2.5378	2.7608	2.9840	3.2075	3.4312	3.6551	3.8791	4.1033	23.4
61.1-63.0	70.5- 72.9	0.3851	0.5993	0.8199	1.0450	1.2729	1.5028	1.7341	1.9664	2.1995	2.4332	2.6673	2.9019	3.1368	3.3720	3.6074	3.8430	4.0788	4.3147	23.6
63.1-65.0	73.0- 75.5	0.4046	0.6286	0.8595	1.0952	1.3342	1.5753	1.8179	2.0617	2.3063	2.5516	2.7974	3.0436	3.2902	3.5371	3.7843	4.0317	4.2793	4.5270	23.7
65.1-67.0	75.6- 78.0	0.4243	0.6580	0.8992	1.1456	1.3956	1.6479	1.9019	2.1572	2.4134	2.6703	2.9278	3.1858	3.4441	3.7028	3.9618	4.2210	4.4805	4.7401	23.9
67.1-69.0	78.2- 80.6	0.4442	0.6876	0.9390	1.1962	1.4571	1.7207	1.9861	2.2528	2.5206	2.7892	3.0584	3.3281	3.5983	3.8688	4.1397	4.4108	4.6821	4.9536	24.0
69.1-71.0	80.7- 83.2	0.4643	0.7173	0.9789	1.2467	1.5187	1.7934	2.0702	2.3485	2.6279	2.9081	3.1890	3.4706	3.7525	4.0349	4.3176	4.6006	4.8839	5.1674	24.1
71.1-73.0	83.3- 85.8	0.4846	0.7471	1.0189	1.2973	1.5802	1.8662	2.1543	2.4441	2.7350	3.0270	3.3196	3.6129	3.9068	4.2010	4.4956	4.7905	5.0857	5.3811	24.2
73.1-75.0	86.0- 88.4	0.5051	0.7771	1.0588	1.3478	1.6416	1.9388	2.2383	2.5395	2.8420	3.1456	3.4500	3.7551	4.0607	4.3668	4.6733	4.9802	5.2873	5.5947	24.3
75.1-77.0	88.6- 91.1	0.5257	0.8071	1.0988	1.3983	1.7029	2.0112	2.3220	2.6346	2.9487	3.2640	3.5801	3.8969	4.2143	4.5323	4.8507	5.1694	5.4884	5.8078	24.4
77.1-79.0	91.2- 93.7	0.5466	0.8372	1.1388	1.4486	1.7641	2.0834	2.4054	2.7295	3.0551	3.3819	3.7097	4.0382	4.3675	4.6972	5.0274	5.3580	5.6890	6.0202	24.5
79.1-81.0	93.9- 96.4	0.5676	0.8673	1.1786	1.4988	1.8249	2.1552	2.4884	2.8239	3.1609	3.4993	3.8387	4.1790	4.5199	4.8614	5.2035	5.5459	5.8887	6.2319	24.6

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 2. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 6, 9, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.7- 3.7	0.0005	0.0007	0.0010	0.0012	0.0014	0.0017	0.0019	0.0021	0.0024	0.0026	0.0029	0.0031	0.0033	0.0036	0.0038	0.0040	0.0043	0.0045	2.9
3.1- 5.0	3.8- 5.8	0.0027	0.0041	0.0056	0.0070	0.0085	0.0099	0.0114	0.0129	0.0143	0.0158	0.0173	0.0188	0.0202	0.0217	0.0232	0.0246	0.0261	0.0276	4.9
5.1- 7.0	5.9- 7.9	0.0056	0.0088	0.0120	0.0152	0.0184	0.0216	0.0248	0.0280	0.0312	0.0344	0.0376	0.0409	0.0441	0.0473	0.0505	0.0538	0.0570	0.0602	6.9
7.1- 9.0	8.0- 10.1	0.0095	0.0149	0.0204	0.0260	0.0315	0.0371	0.0427	0.0482	0.0538	0.0594	0.0650	0.0706	0.0762	0.0818	0.0874	0.0930	0.0986	0.1042	9.0
9.1-11.0	10.2- 12.2	0.0142	0.0225	0.0309	0.0393	0.0478	0.0563	0.0648	0.0734	0.0819	0.0905	0.0991	0.1076	0.1162	0.1248	0.1334	0.1420	0.1506	0.1592	10.9
11.1-13.0	12.3- 14.4	0.0198	0.0313	0.0431	0.0550	0.0670	0.0790	0.0911	0.1032	0.1153	0.1274	0.1396	0.1517	0.1639	0.1761	0.1882	0.2004	0.2126	0.2248	12.7
13.1-15.0	14.5- 16.5	0.0261	0.0415	0.0571	0.0730	0.0890	0.1051	0.1213	0.1375	0.1538	0.1700	0.1863	0.2026	0.2190	0.2353	0.2516	0.2680	0.2843	0.3007	14.4
15.1-17.0	16.6- 18.7	0.0333	0.0528	0.0729	0.0932	0.1138	0.1345	0.1553	0.1762	0.1971	0.2181	0.2391	0.2601	0.2812	0.3022	0.3233	0.3444	0.3655	0.3867	16.0
17.1-19.0	18.8- 20.9	0.0414	0.0654	0.0903	0.1156	0.1412	0.1671	0.1930	0.2191	0.2453	0.2715	0.2977	0.3240	0.3504	0.3767	0.4031	0.4295	0.4559	0.4824	17.4
19.1-21.0	21.1- 23.2	0.0503	0.0793	0.1093	0.1401	0.1712	0.2027	0.2343	0.2661	0.2980	0.3300	0.3620	0.3942	0.4263	0.4585	0.4908	0.5230	0.5553	0.5876	18.7
21.1-23.0	23.3- 25.4	0.0601	0.0944	0.1300	0.1666	0.2037	0.2412	0.2791	0.3171	0.3552	0.3935	0.4319	0.4704	0.5089	0.5475	0.5861	0.6248	0.6635	0.7022	19.9
23.1-25.0	25.5- 27.7	0.0709	0.1108	0.1524	0.1951	0.2387	0.2828	0.3272	0.3720	0.4169	0.4620	0.5072	0.5526	0.5980	0.6435	0.6890	0.7346	0.7803	0.8260	21.0
25.1-27.0	27.8- 29.9	0.0827	0.1285	0.1763	0.2257	0.2761	0.3272	0.3787	0.4307	0.4828	0.5353	0.5878	0.6405	0.6934	0.7463	0.7993	0.8524	0.9055	0.9587	22.0
27.1-29.0	30.1- 32.2	0.0956	0.1475	0.2020	0.2583	0.3159	0.3744	0.4335	0.4931	0.5530	0.6132	0.6736	0.7342	0.7950	0.8558	0.9168	0.9778	1.0390	1.1002	22.9
29.1-31.0	32.3- 34.5	0.1097	0.1679	0.2293	0.2929	0.3582	0.4245	0.4916	0.5592	0.6274	0.6958	0.7645	0.8335	0.9026	0.9719	1.0414	1.1109	1.1806	1.2503	23.7
31.1-33.0	34.7- 36.9	0.1250	0.1898	0.2583	0.3296	0.4028	0.4773	0.5528	0.6290	0.7058	0.7829	0.8605	0.9383	1.0163	1.0945	1.1729	1.2515	1.3301	1.4089	24.4
33.1-35.0	37.0- 39.2	0.1416	0.2132	0.2891	0.3683	0.4498	0.5329	0.6172	0.7024	0.7882	0.8746	0.9613	1.0485	1.1359	1.2235	1.3113	1.3993	1.4875	1.5758	25.1
35.1-37.0	39.3- 41.5	0.1596	0.2382	0.3217	0.4091	0.4992	0.5913	0.6848	0.7793	0.8746	0.9706	1.0671	1.1640	1.2612	1.3587	1.4565	1.5545	1.6526	1.7509	25.7
37.1-39.0	41.7- 43.9	0.1792	0.2648	0.3561	0.4519	0.5510	0.6524	0.7554	0.8597	0.9650	1.0710	1.1776	1.2847	1.3922	1.5001	1.6083	1.7167	1.8253	1.9341	26.2
39.1-41.0	44.0- 46.3	0.2003	0.2932	0.3924	0.4970	0.6053	0.7162	0.8292	0.9436	1.0592	1.1757	1.2929	1.4106	1.5289	1.6476	1.7666	1.8859	2.0055	2.1253	26.7
41.1-43.0	46.4- 48.7	0.2231	0.3233	0.4307	0.5441	0.6619	0.7829	0.9061	1.0310	1.1573	1.2846	1.4128	1.5417	1.6711	1.8011	1.9314	2.0621	2.1931	2.3243	27.1
43.1-45.0	48.8- 51.1	0.2478	0.3554	0.4710	0.5935	0.7211	0.8522	0.9861	1.1219	1.2592	1.3978	1.5374	1.6778	1.8188	1.9605	2.1026	2.2451	2.3879	2.5311	27.5
45.1-47.0	51.2- 53.5	0.2744	0.3894	0.5133	0.6452	0.7827	0.9244	1.0691	1.2162	1.3650	1.5152	1.6666	1.8189	1.9720	2.1257	2.2800	2.4348	2.5900	2.7456	27.8
47.1-49.0	53.7- 56.0	0.3031	0.4255	0.5578	0.6991	0.8469	0.9994	1.1553	1.3139	1.4745	1.6368	1.8003	1.9650	2.1305	2.2968	2.4637	2.6312	2.7992	2.9675	28.2
49.1-51.0	56.1- 58.5	0.3341	0.4638	0.6046	0.7555	0.9137	1.0772	1.2446	1.4151	1.5879	1.7625	1.9386	2.1160	2.2944	2.4736	2.6536	2.8342	3.0154	3.1970	28.4
51.1-53.0	58.6- 60.9	0.3674	0.5044	0.6537	0.8143	0.9831	1.1579	1.3371	1.5197	1.7050	1.8923	2.0814	2.2719	2.4635	2.6561	2.8496	3.0437	3.2385	3.4338	28.7
53.1-55.0	61.1- 63.4	0.4033	0.5475	0.7052	0.8755	1.0551	1.2414	1.4327	1.6278	1.8258	2.0263	2.2287	2.4326	2.6379	2.8442	3.0516	3.2597	3.4685	3.6780	28.9
55.1-57.0	63.6- 65.9	0.4419	0.5931	0.7591	0.9394	1.1299	1.3279	1.5315	1.7393	1.9505	2.1644	2.3804	2.5982	2.8174	3.0380	3.2596	3.4821	3.7054	3.9294	29.1
57.1-59.0	66.1- 68.5	0.4834	0.6413	0.8157	1.0058	1.2074	1.4173	1.6335	1.8543	2.0789	2.3065	2.5365	2.7685	3.0022	3.2372	3.4735	3.7108	3.9490	4.1879	29.3
59.1-61.0	68.6- 71.0	0.5280	0.6924	0.8750	1.0750	1.2878	1.5098	1.7387	1.9728	2.2112	2.4528	2.6971	2.9437	3.1921	3.4420	3.6933	3.9458	4.1993	4.4536	29.5
61.1-63.0	71.1- 73.6	0.5759	0.7464	0.9370	1.1470	1.3711	1.6053	1.8472	2.0949	2.3472	2.6031	2.8621	3.1236	3.3871	3.6523	3.9190	4.1871	4.4562	4.7263	29.6
63.1-65.0	73.7- 76.1	0.6273	0.8035	1.0020	1.2219	1.4573	1.7039	1.9590	2.2204	2.4870	2.7576	3.0315	3.3082	3.5871	3.8680	4.1506	4.4345	4.7197	5.0060	29.8
65.1-67.0	76.3- 78.7	0.6824	0.8639	1.0700	1.2997	1.5465	1.8057	2.0741	2.3496	2.6307	2.9162	3.2054	3.4976	3.7923	4.0892	4.3879	4.6881	4.9897	5.2926	29.9
67.1-69.0	78.9- 81.3	0.7416	0.9277	1.1411	1.3806	1.6389	1.9107	2.1926	2.4823	2.7782	3.0789	3.3836	3.6917	4.0025	4.3157	4.6309	4.9478	5.2663	5.5860	30.0
69.1-71.0	81.5- 83.9	0.8050	0.9952	1.2155	1.4647	1.7344	2.0190	2.3146	2.6187	2.9295	3.2457	3.5663	3.8905	4.2178	4.5476	4.8797	5.2137	5.5493	5.8864	30.1
71.1-73.0	84.1- 86.6	0.8729	1.0664	1.2933	1.5520	1.8332	2.1306	2.4400	2.7587	3.0848	3.4167	3.7534	4.0941	4.4381	4.7849	5.1342	5.4855	5.8387	6.1934	30.2
73.1-75.0	86.7- 89.2	0.9457	1.1416	1.3747	1.6427	1.9353	2.2456	2.5690	2.9025	3.2440	3.5919	3.9450	4.3024	4.6634	5.0276	5.3944	5.7634	6.1345	6.5073	30.3
75.1-77.0	89.4- 91.9	1.0236	1.2210	1.4597	1.7368	2.0408	2.3640	2.7015	3.0500	3.4071	3.7712	4.1409	4.5154	4.8938	5.2756	5.6602	6.0473	6.4366	6.8278	30.3
77.1-79.0	92.0- 94.6	1.1069	1.3047	1.5486	1.8345	2.1498	2.4860	2.8377	3.2013	3.5743	3.9548	4.3414	4.7331	5.1292	5.5289	5.9317	6.3372	6.7451	7.1550	30.4
79.1-81.0	94.7- 97.3	1.1961	1.3931	1.6414	1.9359	2.2624	2.6116	2.9776	3.3565	3.7454	4.1425	4.5463	4.9556	5.3696	5.7875	6.2088	6.6331	7.0599	7.4889	30.4

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 3. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 4, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	0.7- 2.9	0.0004	0.0006	0.0009	0.0011	0.0013	0.0015	0.0017	0.0019	0.0022	0.0024	0.0026	0.0028	0.0030	0.0033	0.0035	0.0037	0.0039	0.0041	2.9
3.1- 5.0	3.0- 5.1	0.0023	0.0035	0.0048	0.0060	0.0072	0.0085	0.0097	0.0109	0.0122	0.0134	0.0146	0.0159	0.0171	0.0184	0.0196	0.0208	0.0221	0.0233	5.0
5.1- 7.0	5.2- 7.3	0.0052	0.0080	0.0108	0.0137	0.0165	0.0193	0.0221	0.0250	0.0278	0.0307	0.0335	0.0363	0.0392	0.0420	0.0448	0.0477	0.0505	0.0534	7.0
7.1- 9.0	7.4- 9.6	0.0091	0.0141	0.0191	0.0242	0.0293	0.0343	0.0394	0.0444	0.0495	0.0546	0.0597	0.0647	0.0698	0.0749	0.0800	0.0850	0.0901	0.0952	9.0
9.1-11.0	9.7- 11.8	0.0140	0.0218	0.0297	0.0375	0.0454	0.0534	0.0613	0.0692	0.0771	0.0850	0.0930	0.1009	0.1089	0.1168	0.1248	0.1327	0.1406	0.1486	10.8
11.1-13.0	11.9- 14.0	0.0198	0.0310	0.0423	0.0536	0.0649	0.0763	0.0877	0.0991	0.1105	0.1219	0.1333	0.1447	0.1561	0.1675	0.1790	0.1904	0.2018	0.2133	12.5
13.1-15.0	14.1- 16.3	0.0265	0.0416	0.0569	0.0722	0.0876	0.1030	0.1184	0.1339	0.1493	0.1648	0.1803	0.1958	0.2113	0.2268	0.2423	0.2578	0.2734	0.2889	14.0
15.1-17.0	16.4- 18.5	0.0341	0.0536	0.0734	0.0933	0.1133	0.1333	0.1533	0.1734	0.1935	0.2137	0.2338	0.2540	0.2741	0.2943	0.3145	0.3347	0.3549	0.3751	15.4
17.1-19.0	18.6- 20.8	0.0425	0.0670	0.0918	0.1167	0.1419	0.1670	0.1923	0.2176	0.2429	0.2683	0.2936	0.3190	0.3444	0.3698	0.3953	0.4207	0.4462	0.4716	16.6
19.1-21.0	20.9- 23.0	0.0518	0.0816	0.1119	0.1425	0.1732	0.2041	0.2351	0.2661	0.2972	0.3283	0.3595	0.3907	0.4218	0.4531	0.4843	0.5155	0.5468	0.5781	17.7
21.1-23.0	23.1- 25.3	0.0618	0.0974	0.1337	0.1704	0.2073	0.2444	0.2816	0.3189	0.3563	0.3937	0.4312	0.4687	0.5062	0.5437	0.5813	0.6189	0.6565	0.6941	18.7
23.1-25.0	25.4- 27.5	0.0727	0.1145	0.1572	0.2004	0.2440	0.2878	0.3317	0.3758	0.4199	0.4642	0.5085	0.5528	0.5971	0.6415	0.6860	0.7304	0.7749	0.8194	19.6
25.1-27.0	27.6- 29.8	0.0843	0.1327	0.1822	0.2324	0.2831	0.3341	0.3852	0.4366	0.4880	0.5395	0.5911	0.6428	0.6945	0.7463	0.7981	0.8499	0.9017	0.9536	20.3
27.1-29.0	29.9- 32.1	0.0968	0.1521	0.2088	0.2664	0.3246	0.3832	0.4420	0.5011	0.5603	0.6196	0.6790	0.7385	0.7980	0.8576	0.9173	0.9770	1.0367	1.0964	21.0
29.1-31.0	32.2- 34.3	0.1100	0.1726	0.2368	0.3023	0.3684	0.4350	0.5020	0.5692	0.6366	0.7042	0.7718	0.8396	0.9075	0.9754	1.0434	1.1114	1.1794	1.2476	21.6
31.1-33.0	34.4- 36.6	0.1241	0.1942	0.2663	0.3399	0.4144	0.4895	0.5650	0.6408	0.7168	0.7931	0.8695	0.9460	1.0226	1.0993	1.1760	1.2528	1.3297	1.4066	22.2
33.1-35.0	36.7- 38.9	0.1389	0.2169	0.2972	0.3793	0.4625	0.5464	0.6309	0.7157	0.8008	0.8861	0.9717	1.0573	1.1431	1.2290	1.3150	1.4011	1.4872	1.5734	22.6
35.1-37.0	39.0- 41.1	0.1546	0.2406	0.3295	0.4204	0.5126	0.6058	0.6995	0.7938	0.8883	0.9832	1.0783	1.1735	1.2689	1.3645	1.4601	1.5558	1.6516	1.7475	23.1
37.1-39.0	41.3- 43.4	0.1712	0.2655	0.3631	0.4632	0.5648	0.6674	0.7709	0.8749	0.9793	1.0841	1.1891	1.2943	1.3997	1.5053	1.6110	1.7168	1.8227	1.9287	23.4
39.1-41.0	43.5- 45.7	0.1886	0.2914	0.3980	0.5075	0.6188	0.7313	0.8448	0.9589	1.0736	1.1886	1.3040	1.4196	1.5354	1.6514	1.7675	1.8838	2.0001	2.1166	23.7
41.1-43.0	45.8- 48.0	0.2069	0.3184	0.4342	0.5533	0.6746	0.7974	0.9212	1.0458	1.1710	1.2966	1.4227	1.5490	1.6756	1.8024	1.9293	2.0564	2.1837	2.3111	24.0
43.1-45.0	48.1- 50.3	0.2261	0.3464	0.4717	0.6007	0.7322	0.8655	0.9999	1.1353	1.2714	1.4080	1.5451	1.6825	1.8202	1.9582	2.0963	2.2346	2.3731	2.5117	24.3
45.1-47.0	50.4- 52.6	0.2462	0.3756	0.5104	0.6496	0.7916	0.9356	1.0810	1.2275	1.3747	1.5227	1.6711	1.8199	1.9691	2.1185	2.2682	2.4181	2.5681	2.7183	24.5
47.1-49.0	52.7- 54.8	0.2673	0.4058	0.5504	0.6998	0.8525	1.0075	1.1642	1.3220	1.4808	1.6403	1.8004	1.9610	2.1219	2.2832	2.4447	2.6065	2.7685	2.9306	24.7
49.1-51.0	55.0- 57.1	0.2893	0.4370	0.5916	0.7515	0.9151	1.0814	1.2495	1.4190	1.5896	1.7610	1.9330	2.1056	2.2786	2.4520	2.6257	2.7997	2.9739	3.1484	24.9
51.1-53.0	57.3- 59.4	0.3124	0.4694	0.6339	0.8045	0.9793	1.1570	1.3368	1.5182	1.7008	1.8844	2.0687	2.2536	2.4390	2.6248	2.8110	2.9975	3.1843	3.3713	25.0
53.1-55.0	59.6- 61.7	0.3364	0.5028	0.6775	0.8589	1.0449	1.2343	1.4261	1.6196	1.8145	2.0105	2.2073	2.4048	2.6029	2.8014	3.0004	3.1997	3.3993	3.5991	25.2
55.1-57.0	61.9- 64.0	0.3616	0.5374	0.7222	0.9145	1.1121	1.3133	1.5172	1.7231	1.9305	2.1391	2.3487	2.5591	2.7701	2.9816	3.1936	3.4060	3.6187	3.8317	25.3
57.1-59.0	64.2- 66.3	0.3878	0.5731	0.7681	0.9715	1.1806	1.3939	1.6101	1.8286	2.0487	2.2702	2.4928	2.7163	2.9404	3.1652	3.3905	3.6162	3.8423	4.0688	25.4
59.1-61.0	66.5- 68.7	0.4151	0.6099	0.8152	1.0297	1.2506	1.4760	1.7047	1.9359	2.1690	2.4037	2.6395	2.8762	3.1138	3.3521	3.5909	3.8302	4.0700	4.3101	25.5
61.1-63.0	68.8- 71.0	0.4436	0.6479	0.8635	1.0892	1.3219	1.5596	1.8010	2.0451	2.2914	2.5393	2.7885	3.0388	3.2901	3.5420	3.7946	4.0478	4.3014	4.5554	25.6
63.1-65.0	71.1- 73.3	0.4732	0.6870	0.9129	1.1498	1.3945	1.6447	1.8989	2.1561	2.4156	2.6770	2.9399	3.2040	3.4690	3.7349	4.0015	4.2687	4.5364	4.8046	25.6
65.1-67.0	73.4- 75.6	0.5041	0.7273	0.9636	1.2117	1.4684	1.7311	1.9982	2.2687	2.5417	2.8168	3.0935	3.3715	3.6506	3.9306	4.2114	4.4928	4.7748	5.0574	25.7
67.1-69.0	75.7- 77.9	0.5363	0.7687	1.0153	1.2748	1.5435	1.8189	2.0991	2.3829	2.6696	2.9584	3.2491	3.5412	3.8345	4.1288	4.4240	4.7199	5.0165	5.3136	25.7
69.1-71.0	78.0- 80.2	0.5697	0.8114	1.0683	1.3391	1.6199	1.9080	2.2013	2.4987	2.7991	3.1019	3.4067	3.7131	4.0208	4.3296	4.6394	4.9499	5.2611	5.5730	25.8
71.1-73.0	80.4- 82.6	0.6045	0.8554	1.1224	1.4045	1.6975	1.9984	2.3049	2.6159	2.9302	3.2471	3.5662	3.8870	4.2092	4.5327	4.8572	5.1826	5.5087	5.8355	25.8
73.1-75.0	82.7- 84.9	0.6407	0.9006	1.1777	1.4711	1.7763	2.0900	2.4099	2.7345	3.0628	3.3939	3.7274	4.0628	4.3997	4.7380	5.0774	5.4177	5.7589	6.1008	25.9
75.1-77.0	85.0- 87.2	0.6782	0.9470	1.2341	1.5388	1.8562	2.1827	2.5160	2.8544	3.1968	3.5423	3.8903	4.2404	4.5921	4.9454	5.2998	5.6552	6.0116	6.3688	25.9
77.1-79.0	87.3- 89.5	0.7173	0.9948	1.2918	1.6077	1.9372	2.2767	2.6234	2.9757	3.3322	3.6921	4.0548	4.4196	4.7864	5.1546	5.5242	5.8950	6.2667	6.6392	25.9
79.1-81.0	89.7- 91.9	0.7578	1.0439	1.3506	1.6776	2.0194	2.3718	2.7320	3.0981	3.4689	3.8433	4.2207	4.6005	4.9823	5.3658	5.7507	6.1368	6.5240	6.9121	26.0

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 5. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.0- 3.0	0.0005	0.0007	0.0009	0.0011	0.0014	0.0016	0.0018	0.0020	0.0023	0.0025	0.0027	0.0029	0.0032	0.0034	0.0036	0.0038	0.0041	0.0043	3.1
3.1- 5.0	3.1- 5.2	0.0025	0.0038	0.0052	0.0065	0.0079	0.0092	0.0106	0.0119	0.0133	0.0146	0.0160	0.0173	0.0187	0.0201	0.0214	0.0228	0.0241	0.0255	5.1
5.1- 7.0	5.3- 7.4	0.0054	0.0084	0.0114	0.0144	0.0175	0.0205	0.0235	0.0265	0.0296	0.0326	0.0356	0.0386	0.0417	0.0447	0.0477	0.0508	0.0538	0.0568	7.0
7.1- 9.0	7.5- 9.6	0.0093	0.0146	0.0198	0.0251	0.0304	0.0357	0.0411	0.0464	0.0517	0.0570	0.0624	0.0677	0.0730	0.0784	0.0837	0.0891	0.0944	0.0997	8.9
9.1-11.0	9.7- 11.8	0.0141	0.0222	0.0303	0.0385	0.0467	0.0549	0.0631	0.0713	0.0796	0.0878	0.0960	0.1043	0.1125	0.1208	0.1291	0.1373	0.1456	0.1539	10.7
11.1-13.0	12.0- 14.1	0.0198	0.0312	0.0427	0.0543	0.0660	0.0777	0.0894	0.1011	0.1129	0.1246	0.1364	0.1481	0.1599	0.1717	0.1835	0.1953	0.2071	0.2189	12.4
13.1-15.0	14.2- 16.3	0.0263	0.0416	0.0570	0.0726	0.0883	0.1041	0.1198	0.1356	0.1515	0.1673	0.1832	0.1990	0.2149	0.2308	0.2467	0.2626	0.2785	0.2944	13.9
15.1-17.0	16.4- 18.5	0.0337	0.0532	0.0731	0.0933	0.1135	0.1338	0.1542	0.1747	0.1952	0.2157	0.2362	0.2568	0.2773	0.2979	0.3185	0.3391	0.3597	0.3803	15.3
17.1-19.0	18.7- 20.8	0.0418	0.0661	0.0910	0.1161	0.1415	0.1669	0.1925	0.2181	0.2438	0.2695	0.2953	0.3211	0.3469	0.3727	0.3985	0.4244	0.4502	0.4761	16.7
19.1-21.0	20.9- 23.0	0.0508	0.0803	0.1105	0.1412	0.1721	0.2032	0.2344	0.2658	0.2972	0.3287	0.3602	0.3918	0.4234	0.4550	0.4866	0.5183	0.5500	0.5816	17.9
21.1-23.0	23.2- 25.3	0.0607	0.0957	0.1317	0.1683	0.2053	0.2425	0.2800	0.3176	0.3552	0.3930	0.4308	0.4687	0.5066	0.5445	0.5825	0.6205	0.6586	0.6966	19.0
23.1-25.0	25.4- 27.6	0.0714	0.1123	0.1545	0.1975	0.2410	0.2849	0.3290	0.3733	0.4177	0.4623	0.5069	0.5516	0.5964	0.6412	0.6860	0.7309	0.7758	0.8208	20.0
25.1-27.0	27.7- 29.9	0.0830	0.1301	0.1789	0.2287	0.2792	0.3301	0.3814	0.4329	0.4846	0.5364	0.5884	0.6404	0.6925	0.7447	0.7969	0.8492	0.9015	0.9539	20.9
27.1-29.0	30.0- 32.2	0.0955	0.1492	0.2048	0.2618	0.3197	0.3782	0.4371	0.4963	0.5557	0.6153	0.6750	0.7349	0.7948	0.8549	0.9150	0.9752	1.0354	1.0956	21.8
29.1-31.0	32.3- 34.4	0.1089	0.1694	0.2324	0.2969	0.3626	0.4290	0.4959	0.5632	0.6309	0.6987	0.7667	0.8349	0.9032	0.9716	1.0400	1.1086	1.1772	1.2459	22.5
31.1-33.0	34.6- 36.8	0.1233	0.1910	0.2614	0.3339	0.4078	0.4825	0.5579	0.6338	0.7100	0.7866	0.8633	0.9402	1.0173	1.0946	1.1719	1.2493	1.3268	1.4044	23.2
33.1-35.0	36.9- 39.1	0.1388	0.2137	0.2921	0.3728	0.4552	0.5386	0.6229	0.7078	0.7931	0.8787	0.9647	1.0508	1.1372	1.2237	1.3103	1.3971	1.4840	1.5709	23.9
35.1-37.0	39.2- 41.4	0.1553	0.2378	0.3242	0.4135	0.5048	0.5973	0.6909	0.7851	0.8799	0.9751	1.0707	1.1665	1.2626	1.3588	1.4552	1.5518	1.6484	1.7452	24.5
37.1-39.0	41.5- 43.7	0.1729	0.2632	0.3580	0.4561	0.5565	0.6586	0.7617	0.8658	0.9705	1.0756	1.1812	1.2872	1.3934	1.4998	1.6064	1.7132	1.8201	1.9272	25.0
39.1-41.0	43.8- 46.0	0.1917	0.2899	0.3933	0.5005	0.6105	0.7223	0.8354	0.9496	1.0646	1.1802	1.2962	1.4126	1.5294	1.6464	1.7637	1.8811	1.9987	2.1165	25.5
41.1-43.0	46.2- 48.4	0.2117	0.3181	0.4301	0.5467	0.6665	0.7884	0.9119	1.0366	1.1622	1.2886	1.4154	1.5428	1.6705	1.7986	1.9269	2.0554	2.1842	2.3131	25.9
43.1-45.0	48.5- 50.7	0.2329	0.3476	0.4686	0.5948	0.7246	0.8570	0.9912	1.1267	1.2633	1.4008	1.5389	1.6775	1.8166	1.9561	2.0959	2.2360	2.3762	2.5167	26.3
45.1-47.0	50.9- 53.1	0.2556	0.3786	0.5087	0.6447	0.7848	0.9279	1.0731	1.2198	1.3678	1.5167	1.6664	1.8168	1.9676	2.1189	2.2706	2.4225	2.5748	2.7272	26.7
47.1-49.0	53.2- 55.5	0.2796	0.4111	0.5504	0.6964	0.8471	1.0011	1.1576	1.3159	1.4756	1.6363	1.7980	1.9604	2.1234	2.2868	2.4507	2.6150	2.7796	2.9444	27.0
49.1-51.0	55.6- 57.8	0.3051	0.4451	0.5938	0.7500	0.9115	1.0767	1.2447	1.4148	1.5865	1.7595	1.9335	2.1082	2.2837	2.4598	2.6363	2.8132	2.9905	3.1681	27.3
51.1-53.0	58.0- 60.2	0.3322	0.4807	0.6389	0.8054	0.9779	1.1546	1.3345	1.5167	1.7007	1.8861	2.0727	2.2603	2.4486	2.6375	2.8271	3.0171	3.2075	3.3982	27.6
53.1-55.0	60.3- 62.6	0.3608	0.5180	0.6857	0.8627	1.0463	1.2348	1.4267	1.6213	1.8179	2.0162	2.2157	2.4164	2.6179	2.8201	3.0230	3.2264	3.4302	3.6345	27.8
55.1-57.0	62.7- 65.0	0.3912	0.5570	0.7342	0.9218	1.1168	1.3172	1.5214	1.7287	1.9382	2.1496	2.3624	2.5764	2.7914	3.0073	3.2238	3.4410	3.6587	3.8768	28.1
57.1-59.0	65.1- 67.4	0.4234	0.5977	0.7846	0.9829	1.1894	1.4018	1.6187	1.8388	2.0615	2.2863	2.5127	2.7404	2.9692	3.1990	3.4296	3.6608	3.8927	4.1250	28.3
59.1-61.0	67.5- 69.8	0.4574	0.6403	0.8367	1.0458	1.2640	1.4887	1.7183	1.9516	2.1878	2.4262	2.6664	2.9082	3.1512	3.3952	3.6401	3.8858	4.1321	4.3790	28.5
61.1-63.0	70.0- 72.3	0.4934	0.6847	0.8908	1.1107	1.3406	1.5779	1.8204	2.0671	2.3169	2.5693	2.8237	3.0797	3.3371	3.5957	3.8552	4.1157	4.3768	4.6386	28.6
63.1-65.0	72.4- 74.7	0.5315	0.7311	0.9467	1.1775	1.4194	1.6692	1.9250	2.1852	2.4489	2.7155	2.9842	3.2548	3.5270	3.8004	4.0749	4.3504	4.6267	4.9036	28.8
65.1-67.0	74.8- 77.1	0.5717	0.7795	1.0046	1.2464	1.5002	1.7628	2.0319	2.3059	2.5838	2.8647	3.1481	3.4336	3.7207	4.0093	4.2990	4.5898	4.8816	5.1740	28.9
67.1-69.0	77.3- 79.6	0.6142	0.8300	1.0645	1.3172	1.5831	1.8586	2.1411	2.4291	2.7214	3.0170	3.3153	3.6158	3.9182	4.2222	4.5275	4.8339	5.1414	5.4497	29.1
69.1-71.0	79.7- 82.0	0.6591	0.8826	1.1264	1.3901	1.6681	1.9566	2.2528	2.5549	2.8617	3.1722	3.4856	3.8015	4.1194	4.4390	4.7601	5.0825	5.4060	5.7303	29.2
71.1-73.0	82.2- 84.5	0.7064	0.9375	1.1905	1.4650	1.7552	2.0568	2.3668	2.6833	3.0048	3.3303	3.6591	3.9905	4.3242	4.6598	4.9970	5.3355	5.6752	6.0160	29.3
73.1-75.0	84.6- 87.0	0.7564	0.9947	1.2567	1.5420	1.8445	2.1592	2.4831	2.8141	3.1505	3.4913	3.8356	4.1829	4.5326	4.8843	5.2378	5.5928	5.9491	6.3065	29.4
75.1-77.0	87.1- 89.5	0.8091	1.0543	1.3250	1.6212	1.9359	2.2639	2.6018	2.9474	3.2989	3.6551	4.0152	4.3785	4.7444	5.1126	5.4826	5.8543	6.2274	6.6018	29.5
77.1-79.0	89.6- 91.9	0.8647	1.1163	1.3957	1.7026	2.0295	2.3708	2.7228	3.0831	3.4499	3.8217	4.1978	4.5773	4.9596	5.3444	5.7313	6.1199	6.5101	6.9016	29.5
79.1-81.0	92.1- 94.4	0.9233	1.1809	1.4686	1.7862	2.1252	2.4799	2.8462	3.2214	3.6035	3.9911	4.3833	4.7792	5.1782	5.5799	5.9837	6.3896	6.7970	7.2060	29.6

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 7. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 7, 8

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.4- 9.4	0.0021	0.0038	0.0055	0.0072	0.0089	0.0106	0.0123	0.0140	0.0157	0.0174	0.0191	0.0208	0.0225	0.0242	0.0259	0.0276	0.0293	0.0310	9.5
9.1-11.0	9.5- 11.6	0.0092	0.0154	0.0217	0.0280	0.0344	0.0407	0.0471	0.0534	0.0598	0.0662	0.0726	0.0789	0.0853	0.0917	0.0981	0.1045	0.1109	0.1173	10.8
11.1-13.0	11.7- 13.7	0.0154	0.0257	0.0360	0.0464	0.0568	0.0672	0.0776	0.0880	0.0985	0.1089	0.1193	0.1298	0.1402	0.1507	0.1612	0.1716	0.1821	0.1926	11.9
13.1-15.0	13.9- 15.9	0.0220	0.0366	0.0513	0.0660	0.0808	0.0956	0.1104	0.1252	0.1401	0.1549	0.1698	0.1846	0.1995	0.2144	0.2293	0.2442	0.2590	0.2739	13.0
15.1-17.0	16.0- 18.1	0.0291	0.0485	0.0680	0.0876	0.1072	0.1269	0.1466	0.1663	0.1860	0.2058	0.2255	0.2453	0.2650	0.2848	0.3046	0.3244	0.3442	0.3640	14.0
17.1-19.0	18.3- 20.4	0.0367	0.0614	0.0862	0.1112	0.1362	0.1612	0.1863	0.2114	0.2365	0.2616	0.2868	0.3120	0.3371	0.3623	0.3875	0.4127	0.4379	0.4631	14.9
19.1-21.0	20.5- 22.6	0.0449	0.0753	0.1060	0.1368	0.1676	0.1985	0.2295	0.2605	0.2915	0.3225	0.3536	0.3846	0.4157	0.4468	0.4779	0.5090	0.5402	0.5713	15.7
21.1-23.0	22.7- 24.9	0.0536	0.0902	0.1271	0.1642	0.2014	0.2387	0.2760	0.3134	0.3508	0.3882	0.4256	0.4631	0.5006	0.5381	0.5756	0.6131	0.6507	0.6882	16.4
23.1-25.0	25.0- 27.1	0.0628	0.1060	0.1497	0.1935	0.2375	0.2816	0.3257	0.3699	0.4142	0.4584	0.5027	0.5471	0.5914	0.6358	0.6802	0.7246	0.7690	0.8135	17.1
25.1-27.0	27.2- 29.4	0.0724	0.1227	0.1735	0.2245	0.2757	0.3271	0.3785	0.4299	0.4815	0.5330	0.5846	0.6363	0.6880	0.7397	0.7914	0.8431	0.8949	0.9466	17.7
27.1-29.0	29.5- 31.7	0.0824	0.1401	0.1984	0.2571	0.3159	0.3749	0.4340	0.4932	0.5524	0.6117	0.6711	0.7304	0.7898	0.8493	0.9088	0.9683	1.0278	1.0873	18.3
29.1-31.0	31.8- 34.0	0.0928	0.1583	0.2245	0.2911	0.3580	0.4250	0.4922	0.5595	0.6268	0.6942	0.7617	0.8292	0.8968	0.9644	1.0320	1.0996	1.1673	1.2350	18.8
31.1-33.0	34.1- 36.3	0.1036	0.1771	0.2515	0.3265	0.4017	0.4772	0.5528	0.6286	0.7044	0.7803	0.8563	0.9323	1.0084	1.0845	1.1607	1.2368	1.3131	1.3893	19.3
33.1-35.0	36.4- 38.7	0.1146	0.1965	0.2795	0.3631	0.4471	0.5313	0.6157	0.7003	0.7849	0.8697	0.9545	1.0394	1.1244	1.2094	1.2944	1.3795	1.4646	1.5498	19.8
35.1-37.0	38.8- 41.0	0.1260	0.2164	0.3083	0.4008	0.4939	0.5872	0.6807	0.7744	0.8682	0.9622	1.0562	1.1503	1.2444	1.3387	1.4329	1.5273	1.6216	1.7160	20.2
37.1-39.0	41.1- 43.4	0.1375	0.2369	0.3379	0.4397	0.5420	0.6447	0.7476	0.8507	0.9540	1.0575	1.1610	1.2646	1.3683	1.4720	1.5758	1.6797	1.7836	1.8876	20.6
39.1-41.0	43.5- 45.8	0.1493	0.2578	0.3681	0.4794	0.5913	0.7037	0.8163	0.9291	1.0422	1.1554	1.2687	1.3821	1.4955	1.6091	1.7227	1.8364	1.9502	2.0640	21.0
41.1-43.0	45.9- 48.2	0.1614	0.2792	0.3990	0.5200	0.6418	0.7640	0.8866	1.0094	1.1324	1.2556	1.3790	1.5024	1.6260	1.7496	1.8734	1.9972	2.1210	2.2449	21.3
43.1-45.0	48.3- 50.6	0.1736	0.3008	0.4305	0.5614	0.6932	0.8255	0.9583	1.0913	1.2246	1.3581	1.4917	1.6255	1.7593	1.8933	2.0274	2.1615	2.2957	2.4300	21.6
45.1-47.0	50.7- 53.0	0.1859	0.3229	0.4624	0.6035	0.7455	0.8882	1.0313	1.1748	1.3185	1.4625	1.6066	1.7509	1.8953	2.0398	2.1845	2.3292	2.4740	2.6188	21.9
47.1-49.0	53.1- 55.4	0.1984	0.3452	0.4948	0.6462	0.7986	0.9518	1.1055	1.2596	1.4139	1.5686	1.7234	1.8784	2.0336	2.1889	2.3443	2.4998	2.6554	2.8110	22.2
49.1-51.0	55.6- 57.9	0.2111	0.3677	0.5276	0.6894	0.8524	1.0162	1.1807	1.3455	1.5108	1.6763	1.8420	2.0079	2.1740	2.3402	2.5066	2.6731	2.8396	3.0063	22.4
51.1-53.0	58.0- 60.4	0.2238	0.3905	0.5607	0.7330	0.9068	1.0814	1.2567	1.4326	1.6088	1.7853	1.9621	2.1391	2.3163	2.4936	2.6711	2.8487	3.0264	3.2042	22.6
53.1-55.0	60.5- 62.8	0.2367	0.4134	0.5941	0.7771	0.9617	1.1472	1.3336	1.5205	1.7078	1.8955	2.0835	2.2717	2.4602	2.6488	2.8375	3.0264	3.2154	3.4045	22.9
55.1-57.0	63.0- 65.3	0.2496	0.4365	0.6277	0.8215	1.0170	1.2136	1.4111	1.6092	1.8078	2.0068	2.2061	2.4057	2.6054	2.8054	3.0056	3.2059	3.4063	3.6069	23.1
57.1-59.0	65.5- 67.8	0.2626	0.4597	0.6615	0.8661	1.0726	1.2804	1.4891	1.6985	1.9085	2.1189	2.3296	2.5406	2.7519	2.9634	3.1751	3.3869	3.5989	3.8110	23.2
59.1-61.0	68.0- 70.4	0.2757	0.4831	0.6955	0.9110	1.1285	1.3475	1.5676	1.7884	2.0097	2.2316	2.4539	2.6765	2.8993	3.1224	3.3457	3.5692	3.7928	4.0166	23.4
61.1-63.0	70.5- 72.9	0.2888	0.5065	0.7295	0.9560	1.1847	1.4149	1.6463	1.8786	2.1115	2.3449	2.5788	2.8130	3.0475	3.2823	3.5173	3.7525	3.9879	4.2234	23.6
63.1-65.0	73.0- 75.5	0.3020	0.5299	0.7636	1.0010	1.2409	1.4825	1.7253	1.9691	2.2135	2.4586	2.7041	2.9501	3.1963	3.4428	3.6896	3.9366	4.1838	4.4311	23.7
65.1-67.0	75.6- 78.0	0.3152	0.5534	0.7978	1.0462	1.2972	1.5501	1.8044	2.0597	2.3158	2.5725	2.8298	3.0874	3.3455	3.6038	3.8624	4.1212	4.3802	4.6395	23.9
67.1-69.0	78.2- 80.6	0.3284	0.5769	0.8320	1.0913	1.3535	1.6178	1.8836	2.1504	2.4182	2.6866	2.9556	3.2250	3.4949	3.7650	4.0355	4.3062	4.5771	4.8482	24.0
69.1-71.0	80.7- 83.2	0.3416	0.6004	0.8661	1.1364	1.4098	1.6854	1.9627	2.2411	2.5205	2.8006	3.0814	3.3626	3.6443	3.9263	4.2087	4.4913	4.7741	5.0572	24.1
71.1-73.0	83.3- 85.8	0.3549	0.6239	0.9002	1.1814	1.4660	1.7529	2.0416	2.3317	2.6227	2.9146	3.2071	3.5001	3.7936	4.0875	4.3818	4.6763	4.9711	5.2661	24.2
73.1-75.0	86.0- 88.4	0.3681	0.6474	0.9342	1.2263	1.5220	1.8202	2.1204	2.4220	2.7247	3.0282	3.3325	3.6374	3.9427	4.2485	4.5546	4.8611	5.1678	5.4748	24.3
75.1-77.0	88.6- 91.1	0.3814	0.6707	0.9681	1.2710	1.5777	1.8873	2.1989	2.5120	2.8263	3.1415	3.4576	3.7742	4.0914	4.4090	4.7271	5.0454	5.3641	5.6830	24.4
77.1-79.0	91.2- 93.7	0.3946	0.6941	1.0018	1.3155	1.6333	1.9541	2.2770	2.6016	2.9275	3.2544	3.5821	3.9105	4.2395	4.5690	4.8989	5.2292	5.5597	5.8906	24.5
79.1-81.0	93.9- 96.4	0.4078	0.7173	1.0354	1.3597	1.6885	2.0205	2.3547	2.6908	3.0282	3.3667	3.7061	4.0462	4.3870	4.7283	5.0700	5.4121	5.7546	6.0973	24.6

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 8. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 7, 8

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	11.7- 13.7	0.0076	0.0133	0.0190	0.0248	0.0307	0.0365	0.0423	0.0482	0.0541	0.0599	0.0658	0.0717	0.0776	0.0835	0.0894	0.0953	0.1012	0.1071	11.9
13.1-15.0	13.9- 15.9	0.0166	0.0285	0.0405	0.0526	0.0647	0.0768	0.0890	0.1011	0.1133	0.1255	0.1377	0.1499	0.1621	0.1744	0.1866	0.1988	0.2110	0.2233	13.0
15.1-17.0	16.0- 18.1	0.0250	0.0424	0.0600	0.0776	0.0954	0.1131	0.1309	0.1487	0.1665	0.1843	0.2022	0.2200	0.2379	0.2557	0.2736	0.2915	0.3094	0.3272	14.0
17.1-19.0	18.3- 20.4	0.0333	0.0564	0.0798	0.1032	0.1267	0.1502	0.1738	0.1974	0.2210	0.2446	0.2682	0.2919	0.3156	0.3392	0.3629	0.3866	0.4103	0.4340	14.9
19.1-21.0	20.5- 22.6	0.0420	0.0711	0.1005	0.1300	0.1596	0.1893	0.2190	0.2487	0.2785	0.3083	0.3381	0.3679	0.3977	0.4276	0.4574	0.4873	0.5172	0.5471	15.7
21.1-23.0	22.7- 24.9	0.0510	0.0865	0.1223	0.1584	0.1945	0.2307	0.2669	0.3032	0.3396	0.3759	0.4123	0.4487	0.4851	0.5215	0.5580	0.5944	0.6309	0.6674	16.4
23.1-25.0	25.0- 27.1	0.0604	0.1027	0.1454	0.1883	0.2314	0.2745	0.3177	0.3610	0.4043	0.4476	0.4910	0.5344	0.5778	0.6212	0.6647	0.7082	0.7517	0.7952	17.1
25.1-27.0	27.2- 29.4	0.0703	0.1196	0.1696	0.2198	0.2702	0.3207	0.3712	0.4219	0.4726	0.5233	0.5741	0.6249	0.6758	0.7266	0.7775	0.8284	0.8793	0.9303	17.7
27.1-29.0	29.5- 31.7	0.0804	0.1373	0.1948	0.2527	0.3108	0.3691	0.4274	0.4859	0.5444	0.6029	0.6615	0.7201	0.7788	0.8375	0.8962	0.9550	1.0137	1.0725	18.3
29.1-31.0	31.8- 34.0	0.0910	0.1556	0.2211	0.2871	0.3533	0.4196	0.4861	0.5527	0.6194	0.6861	0.7529	0.8198	0.8866	0.9535	1.0205	1.0875	1.1545	1.2215	18.8
31.1-33.0	34.1- 36.3	0.1018	0.1746	0.2484	0.3227	0.3973	0.4722	0.5472	0.6223	0.6975	0.7728	0.8482	0.9236	0.9990	1.0745	1.1500	1.2256	1.3012	1.3768	19.3
33.1-35.0	36.4- 38.7	0.1129	0.1941	0.2765	0.3595	0.4429	0.5266	0.6104	0.6944	0.7785	0.8627	0.9470	1.0313	1.1157	1.2001	1.2846	1.3691	1.4536	1.5382	19.8
35.1-37.0	38.8- 41.0	0.1243	0.2142	0.3055	0.3975	0.4900	0.5827	0.6757	0.7689	0.8622	0.9556	1.0491	1.1426	1.2363	1.3300	1.4237	1.5175	1.6113	1.7052	20.2
37.1-39.0	41.1- 43.4	0.1360	0.2348	0.3352	0.4365	0.5383	0.6405	0.7429	0.8455	0.9483	1.0513	1.1543	1.2574	1.3606	1.4638	1.5671	1.6705	1.7739	1.8773	20.6
39.1-41.0	43.5- 45.8	0.1478	0.2557	0.3655	0.4764	0.5878	0.6996	0.8118	0.9242	1.0368	1.1495	1.2623	1.3752	1.4883	1.6014	1.7145	1.8277	1.9410	2.0543	21.0
41.1-43.0	45.9- 48.2	0.1599	0.2771	0.3965	0.5171	0.6384	0.7601	0.8823	1.0047	1.1273	1.2500	1.3729	1.4960	1.6191	1.7423	1.8656	1.9889	2.1123	2.2358	21.3
43.1-45.0	48.3- 50.6	0.1721	0.2989	0.4281	0.5586	0.6899	0.8218	0.9542	1.0868	1.2197	1.3527	1.4859	1.6193	1.7527	1.8863	2.0199	2.1536	2.2874	2.4213	21.6
45.1-47.0	50.7- 53.0	0.1845	0.3209	0.4601	0.6007	0.7423	0.8846	1.0273	1.1704	1.3137	1.4573	1.6010	1.7449	1.8890	2.0331	2.1773	2.3216	2.4660	2.6105	21.9
47.1-49.0	53.1- 55.4	0.1970	0.3433	0.4925	0.6435	0.7955	0.9483	1.1016	1.2553	1.4094	1.5636	1.7181	1.8727	2.0275	2.1824	2.3374	2.4926	2.6478	2.8030	22.2
49.1-51.0	55.6- 57.9	0.2097	0.3659	0.5254	0.6868	0.8494	1.0129	1.1769	1.3415	1.5063	1.6715	1.8369	2.0024	2.1681	2.3340	2.5000	2.6661	2.8323	2.9986	22.4
51.1-53.0	58.0- 60.4	0.2225	0.3887	0.5585	0.7305	0.9039	1.0782	1.2531	1.4286	1.6045	1.7807	1.9571	2.1338	2.3106	2.4876	2.6647	2.8420	3.0193	3.1968	22.6
53.1-55.0	60.5- 62.8	0.2353	0.4116	0.5919	0.7746	0.9588	1.1441	1.3301	1.5167	1.7037	1.8910	2.0787	2.2666	2.4547	2.6429	2.8313	3.0199	3.2086	3.3973	22.9
55.1-57.0	63.0- 65.3	0.2483	0.4348	0.6256	0.8190	1.0142	1.2105	1.4077	1.6054	1.8037	2.0024	2.2014	2.4006	2.6001	2.7998	2.9996	3.1996	3.3997	3.5999	23.1
57.1-59.0	65.5- 67.8	0.2613	0.4580	0.6594	0.8637	1.0699	1.2774	1.4858	1.6949	1.9045	2.1146	2.3250	2.5357	2.7467	2.9579	3.1693	3.3808	3.5925	3.8042	23.2
59.1-61.0	68.0- 70.4	0.2744	0.4814	0.6934	0.9086	1.1259	1.3445	1.5643	1.7848	2.0059	2.2274	2.4494	2.6717	2.8943	3.1171	3.3400	3.5632	3.7866	4.0100	23.4
61.1-63.0	70.5- 72.9	0.2875	0.5048	0.7275	0.9536	1.1820	1.4120	1.6431	1.8751	2.1077	2.3408	2.5744	2.8083	3.0426	3.2771	3.5118	3.7467	3.9817	4.2170	23.6
63.1-65.0	73.0- 75.5	0.3007	0.5283	0.7617	0.9987	1.2383	1.4796	1.7221	1.9656	2.2098	2.4546	2.6998	2.9455	3.1914	3.4377	3.6842	3.9309	4.1778	4.4248	23.7
65.1-67.0	75.6- 78.0	0.3139	0.5518	0.7958	1.0439	1.2947	1.5473	1.8013	2.0563	2.3121	2.5686	2.8256	3.0830	3.3407	3.5988	3.8571	4.1156	4.3744	4.6333	23.9
67.1-69.0	78.2- 80.6	0.3272	0.5753	0.8300	1.0891	1.3510	1.6150	1.8805	2.1471	2.4146	2.6827	2.9514	3.2206	3.4902	3.7601	4.0303	4.3007	4.5714	4.8422	24.0
69.1-71.0	80.7- 83.2	0.3404	0.5988	0.8642	1.1342	1.4073	1.6827	1.9596	2.2378	2.5169	2.7968	3.0773	3.3583	3.6397	3.9215	4.2036	4.4859	4.7685	5.0513	24.1
71.1-73.0	83.3- 85.8	0.3537	0.6223	0.8983	1.1792	1.4635	1.7502	2.0386	2.3284	2.6192	2.9108	3.2030	3.4959	3.7891	4.0828	4.3768	4.6710	4.9656	5.2603	24.2
73.1-75.0	86.0- 88.4	0.3669	0.6458	0.9323	1.2241	1.5195	1.8175	2.1174	2.4188	2.7212	3.0245	3.3285	3.6331	3.9383	4.2438	4.5497	4.8559	5.1624	5.4691	24.3
75.1-77.0	88.6- 91.1	0.3802	0.6692	0.9662	1.2688	1.5753	1.8846	2.1959	2.5088	2.8229	3.1379	3.4536	3.7701	4.0870	4.4044	4.7222	5.0403	5.3587	5.6774	24.4
77.1-79.0	91.2- 93.7	0.3934	0.6925	0.9999	1.3133	1.6309	1.9514	2.2741	2.5985	2.9241	3.2508	3.5783	3.9064	4.2352	4.5644	4.8941	5.2241	5.5544	5.8851	24.5
79.1-81.0	93.9- 96.4	0.4067	0.7157	1.0335	1.3576	1.6861	2.0178	2.3518	2.6876	3.0248	3.3631	3.7023	4.0422	4.3827	4.7237	5.0652	5.4071	5.7493	6.0918	24.6

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 9. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 7, 8

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	11.7- 13.7	0.0029	0.0052	0.0075	0.0098	0.0120	0.0143	0.0165	0.0188	0.0210	0.0232	0.0255	0.0277	0.0300	0.0322	0.0345	0.0367	0.0390	0.0412	11.9
13.1-15.0	13.9- 15.9	0.0132	0.0229	0.0328	0.0428	0.0528	0.0629	0.0729	0.0830	0.0931	0.1033	0.1134	0.1235	0.1336	0.1438	0.1539	0.1641	0.1742	0.1844	13.0
15.1-17.0	16.0- 18.1	0.0225	0.0386	0.0548	0.0712	0.0877	0.1041	0.1206	0.1371	0.1537	0.1702	0.1868	0.2034	0.2199	0.2365	0.2531	0.2697	0.2863	0.3029	14.0
17.1-19.0	18.3- 20.4	0.0314	0.0535	0.0759	0.0983	0.1209	0.1435	0.1661	0.1888	0.2114	0.2341	0.2568	0.2796	0.3023	0.3250	0.3478	0.3705	0.3933	0.4161	14.9
19.1-21.0	20.5- 22.6	0.0404	0.0687	0.0973	0.1261	0.1549	0.1839	0.2128	0.2418	0.2708	0.2999	0.3289	0.3580	0.3871	0.4162	0.4453	0.4744	0.5036	0.5327	15.7
21.1-23.0	22.7- 24.9	0.0496	0.0844	0.1196	0.1550	0.1905	0.2261	0.2617	0.2974	0.3331	0.3688	0.4046	0.4404	0.4762	0.5120	0.5478	0.5836	0.6195	0.6553	16.4
23.1-25.0	25.0- 27.1	0.0592	0.1009	0.1430	0.1854	0.2279	0.2705	0.3132	0.3559	0.3987	0.4415	0.4843	0.5272	0.5701	0.6130	0.6559	0.6988	0.7418	0.7847	17.1
25.1-27.0	27.2- 29.4	0.0691	0.1180	0.1674	0.2172	0.2671	0.3171	0.3672	0.4174	0.4676	0.5179	0.5682	0.6186	0.6689	0.7193	0.7697	0.8202	0.8706	0.9211	17.7
27.1-29.0	29.5- 31.7	0.0794	0.1358	0.1929	0.2504	0.3080	0.3659	0.4238	0.4818	0.5399	0.5980	0.6562	0.7144	0.7726	0.8309	0.8892	0.9475	1.0059	1.0643	18.3
29.1-31.0	31.8- 34.0	0.0900	0.1542	0.2193	0.2849	0.3507	0.4167	0.4828	0.5490	0.6153	0.6817	0.7481	0.8145	0.8810	0.9476	1.0141	1.0807	1.1474	1.2140	18.8
31.1-33.0	34.1- 36.3	0.1009	0.1733	0.2467	0.3207	0.3950	0.4695	0.5441	0.6189	0.6938	0.7687	0.8437	0.9188	0.9939	1.0690	1.1442	1.2194	1.2947	1.3700	19.3
33.1-35.0	36.4- 38.7	0.1120	0.1929	0.2750	0.3576	0.4407	0.5241	0.6076	0.6912	0.7750	0.8589	0.9428	1.0268	1.1109	1.1950	1.2792	1.3634	1.4476	1.5319	19.8
35.1-37.0	38.8- 41.0	0.1235	0.2130	0.3040	0.3957	0.4879	0.5804	0.6731	0.7659	0.8589	0.9520	1.0452	1.1385	1.2318	1.3252	1.4187	1.5122	1.6057	1.6993	20.2
37.1-39.0	41.1- 43.4	0.1352	0.2336	0.3338	0.4348	0.5363	0.6382	0.7404	0.8427	0.9453	1.0479	1.1507	1.2535	1.3564	1.4594	1.5624	1.6655	1.7686	1.8718	20.6
39.1-41.0	43.5- 45.8	0.1470	0.2547	0.3642	0.4747	0.5859	0.6975	0.8094	0.9215	1.0339	1.1463	1.2589	1.3716	1.4843	1.5972	1.7101	1.8230	1.9361	2.0491	21.0
41.1-43.0	45.9- 48.2	0.1591	0.2761	0.3952	0.5155	0.6366	0.7581	0.8800	1.0021	1.1245	1.2470	1.3697	1.4925	1.6153	1.7383	1.8613	1.9844	2.1076	2.2308	21.3
43.1-45.0	48.3- 50.6	0.1714	0.2979	0.4268	0.5571	0.6882	0.8199	0.9520	1.0844	1.2170	1.3498	1.4828	1.6159	1.7492	1.8825	2.0159	2.1494	2.2830	2.4166	21.6
45.1-47.0	50.7- 53.0	0.1838	0.3200	0.4589	0.5993	0.7407	0.8827	1.0252	1.1681	1.3112	1.4546	1.5981	1.7418	1.8856	2.0295	2.1735	2.3176	2.4618	2.6060	21.9
47.1-49.0	53.1- 55.4	0.1964	0.3423	0.4914	0.6421	0.7939	0.9465	1.0996	1.2531	1.4069	1.5610	1.7153	1.8697	2.0243	2.1790	2.3338	2.4887	2.6437	2.7987	22.2
49.1-51.0	55.6- 57.9	0.2090	0.3650	0.5242	0.6854	0.8479	1.0111	1.1750	1.3393	1.5040	1.6689	1.8341	1.9995	2.1650	2.3307	2.4965	2.6624	2.8284	2.9945	22.4
51.1-53.0	58.0- 60.4	0.2218	0.3878	0.5574	0.7292	0.9024	1.0765	1.2512	1.4265	1.6022	1.7782	1.9545	2.1309	2.3076	2.4844	2.6613	2.8384	3.0156	3.1928	22.6
53.1-55.0	60.5- 62.8	0.2347	0.4108	0.5908	0.7733	0.9573	1.1424	1.3282	1.5146	1.7015	1.8887	2.0761	2.2638	2.4517	2.6398	2.8281	3.0164	3.2049	3.3935	22.9
55.1-57.0	63.0- 65.3	0.2477	0.4339	0.6245	0.8178	1.0127	1.2089	1.4059	1.6035	1.8016	2.0001	2.1989	2.3980	2.5973	2.7968	2.9964	3.1962	3.3962	3.5962	23.1
57.1-59.0	65.5- 67.8	0.2607	0.4572	0.6584	0.8625	1.0685	1.2758	1.4840	1.6929	1.9024	2.1123	2.3226	2.5332	2.7440	2.9550	3.1662	3.3775	3.5890	3.8007	23.2
59.1-61.0	68.0- 70.4	0.2738	0.4805	0.6924	0.9074	1.1245	1.3430	1.5626	1.7829	2.0038	2.2253	2.4471	2.6692	2.8916	3.1142	3.3370	3.5601	3.7832	4.0065	23.4
61.1-63.0	70.5- 72.9	0.2869	0.5040	0.7265	0.9524	1.1807	1.4105	1.6414	1.8732	2.1057	2.3387	2.5721	2.8059	3.0400	3.2743	3.5088	3.7436	3.9785	4.2136	23.6
63.1-65.0	73.0- 75.5	0.3001	0.5275	0.7607	0.9976	1.2370	1.4781	1.7205	1.9638	2.2079	2.4525	2.6976	2.9431	3.1889	3.4350	3.6813	3.9279	4.1746	4.4215	23.7
65.1-67.0	75.6- 78.0	0.3133	0.5510	0.7949	1.0428	1.2934	1.5458	1.7997	2.0546	2.3102	2.5666	2.8234	3.0806	3.3382	3.5961	3.8543	4.1127	4.3713	4.6301	23.9
67.1-69.0	78.2- 80.6	0.3266	0.5745	0.8290	1.0879	1.3497	1.6136	1.8789	2.1454	2.4127	2.6807	2.9493	3.2183	3.4877	3.7575	4.0276	4.2978	4.5684	4.8391	24.0
69.1-71.0	80.7- 83.2	0.3398	0.5980	0.8632	1.1330	1.4060	1.6812	1.9581	2.2361	2.5151	2.7948	3.0752	3.3560	3.6373	3.9189	4.2009	4.4831	4.7656	5.0482	24.1
71.1-73.0	83.3- 85.8	0.3531	0.6215	0.8973	1.1781	1.4622	1.7488	2.0371	2.3267	2.6174	2.9088	3.2010	3.4936	3.7868	4.0803	4.3741	4.6683	4.9627	5.2573	24.2
73.1-75.0	86.0- 88.4	0.3664	0.6450	0.9313	1.2230	1.5183	1.8161	2.1159	2.4171	2.7194	3.0226	3.3265	3.6310	3.9359	4.2413	4.5471	4.8532	5.1595	5.4661	24.3
75.1-77.0	88.6- 91.1	0.3796	0.6684	0.9652	1.2677	1.5741	1.8832	2.1944	2.5072	2.8211	3.1360	3.4516	3.7679	4.0847	4.4020	4.7196	5.0376	5.3559	5.6745	24.4
77.1-79.0	91.2- 93.7	0.3929	0.6917	0.9990	1.3122	1.6296	1.9500	2.2726	2.5968	2.9224	3.2489	3.5763	3.9043	4.2329	4.5620	4.8916	5.2215	5.5517	5.8822	24.5
79.1-81.0	93.9- 96.4	0.4061	0.7150	1.0326	1.3565	1.6849	2.0165	2.3504	2.6860	3.0231	3.3613	3.7003	4.0401	4.3805	4.7214	5.0628	5.4045	5.7466	6.0890	24.6

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 13. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 6, 9, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	8.0- 10.1	0.0027	0.0048	0.0069	0.0089	0.0110	0.0131	0.0151	0.0172	0.0193	0.0214	0.0235	0.0255	0.0276	0.0297	0.0318	0.0339	0.0360	0.0381	9.0
9.1-11.0	10.2- 12.2	0.0084	0.0150	0.0218	0.0288	0.0358	0.0428	0.0499	0.0570	0.0641	0.0712	0.0784	0.0855	0.0926	0.0998	0.1069	0.1141	0.1213	0.1284	10.9
11.1-13.0	12.3- 14.4	0.0136	0.0240	0.0347	0.0456	0.0566	0.0677	0.0787	0.0898	0.1010	0.1121	0.1233	0.1344	0.1456	0.1568	0.1680	0.1792	0.1904	0.2016	12.7
13.1-15.0	14.5- 16.5	0.0189	0.0334	0.0483	0.0634	0.0787	0.0940	0.1094	0.1249	0.1404	0.1559	0.1714	0.1870	0.2025	0.2181	0.2337	0.2493	0.2649	0.2805	14.4
15.1-17.0	16.6- 18.7	0.0245	0.0434	0.0629	0.0827	0.1027	0.1228	0.1430	0.1632	0.1835	0.2039	0.2243	0.2447	0.2651	0.2856	0.3060	0.3265	0.3470	0.3675	16.0
17.1-19.0	18.8- 20.9	0.0306	0.0543	0.0788	0.1036	0.1288	0.1541	0.1796	0.2052	0.2308	0.2565	0.2822	0.3080	0.3338	0.3596	0.3855	0.4114	0.4373	0.4632	17.4
19.1-21.0	21.1- 23.2	0.0372	0.0660	0.0959	0.1263	0.1571	0.1881	0.2194	0.2507	0.2822	0.3137	0.3453	0.3770	0.4087	0.4405	0.4722	0.5040	0.5359	0.5677	18.7
21.1-23.0	23.3- 25.4	0.0442	0.0786	0.1142	0.1506	0.1875	0.2247	0.2622	0.2999	0.3377	0.3756	0.4136	0.4516	0.4898	0.5279	0.5662	0.6044	0.6427	0.6810	19.9
23.1-25.0	25.5- 27.7	0.0517	0.0920	0.1338	0.1766	0.2201	0.2639	0.3081	0.3526	0.3972	0.4419	0.4868	0.5318	0.5769	0.6220	0.6672	0.7124	0.7577	0.8031	21.0
25.1-27.0	27.8- 29.9	0.0598	0.1064	0.1547	0.2043	0.2547	0.3057	0.3570	0.4087	0.4607	0.5128	0.5651	0.6175	0.6700	0.7226	0.7753	0.8280	0.8808	0.9336	22.0
27.1-29.0	30.1- 32.2	0.0684	0.1216	0.1769	0.2336	0.2914	0.3499	0.4089	0.4683	0.5281	0.5880	0.6482	0.7085	0.7690	0.8295	0.8902	0.9509	1.0118	1.0727	22.9
29.1-31.0	32.3- 34.5	0.0776	0.1377	0.2003	0.2646	0.3302	0.3966	0.4637	0.5313	0.5993	0.6676	0.7361	0.8048	0.8737	0.9428	1.0119	1.0812	1.1505	1.2200	23.7
31.1-33.0	34.7- 36.9	0.0874	0.1548	0.2250	0.2972	0.3710	0.4458	0.5214	0.5976	0.6743	0.7513	0.8287	0.9063	0.9842	1.0622	1.1403	1.2186	1.2970	1.3755	24.4
33.1-35.0	37.0- 39.2	0.0978	0.1728	0.2510	0.3315	0.4138	0.4973	0.5819	0.6671	0.7530	0.8393	0.9260	1.0129	1.1002	1.1876	1.2753	1.3630	1.4510	1.5390	25.1
35.1-37.0	39.3- 41.5	0.1088	0.1919	0.2782	0.3674	0.4586	0.5513	0.6452	0.7399	0.8354	0.9313	1.0278	1.1246	1.2217	1.3191	1.4167	1.5144	1.6124	1.7105	25.7
37.1-39.0	41.7- 43.9	0.1206	0.2119	0.3069	0.4050	0.5054	0.6077	0.7113	0.8159	0.9213	1.0275	1.1341	1.2412	1.3486	1.4564	1.5644	1.6727	1.7811	1.8897	26.2
39.1-41.0	44.0- 46.3	0.1331	0.2331	0.3369	0.4442	0.5543	0.6664	0.7801	0.8950	1.0109	1.1276	1.2448	1.3626	1.4809	1.5995	1.7184	1.8376	1.9570	2.0767	26.7
41.1-43.0	46.4- 48.7	0.1463	0.2553	0.3683	0.4851	0.6051	0.7275	0.8517	0.9773	1.1040	1.2316	1.3600	1.4889	1.6184	1.7483	1.8786	2.0092	2.1401	2.2712	27.1
43.1-45.0	48.8- 51.1	0.1604	0.2787	0.4011	0.5278	0.6580	0.7909	0.9260	1.0626	1.2006	1.3396	1.4794	1.6200	1.7611	1.9028	2.0449	2.1873	2.3301	2.4732	27.5
45.1-47.0	51.2- 53.5	0.1754	0.3033	0.4353	0.5721	0.7129	0.8568	1.0030	1.1511	1.3006	1.4514	1.6031	1.7557	1.9090	2.0628	2.2171	2.3719	2.5270	2.6825	27.8
47.1-49.0	53.7- 56.0	0.1912	0.3291	0.4711	0.6183	0.7699	0.9250	1.0827	1.2426	1.4041	1.5670	1.7311	1.8961	2.0619	2.2283	2.3953	2.5629	2.7308	2.8991	28.2
49.1-51.0	56.1- 58.5	0.2080	0.3561	0.5083	0.6662	0.8290	0.9955	1.1651	1.3371	1.5110	1.6865	1.8633	2.0411	2.2198	2.3993	2.5794	2.7601	2.9413	3.1230	28.4
51.1-53.0	58.6- 60.9	0.2259	0.3846	0.5472	0.7160	0.8901	1.0685	1.2503	1.4347	1.6214	1.8097	1.9996	2.1906	2.3827	2.5756	2.7693	2.9636	3.1585	3.3539	28.7
53.1-55.0	61.1- 63.4	0.2448	0.4144	0.5877	0.7676	0.9534	1.1439	1.3381	1.5354	1.7351	1.9367	2.1400	2.3447	2.5505	2.7573	2.9649	3.1733	3.3822	3.5918	28.9
55.1-57.0	63.6- 65.9	0.2648	0.4456	0.6299	0.8212	1.0188	1.2217	1.4287	1.6391	1.8522	2.0675	2.2846	2.5032	2.7232	2.9442	3.1662	3.3890	3.6125	3.8367	29.1
57.1-59.0	66.1- 68.5	0.2860	0.4784	0.6738	0.8766	1.0864	1.3019	1.5220	1.7458	1.9726	2.2019	2.4332	2.6662	2.9007	3.1364	3.3731	3.6108	3.8492	4.0884	29.3
59.1-61.0	68.6- 71.0	0.3084	0.5128	0.7195	0.9341	1.1563	1.3847	1.6181	1.8556	2.0965	2.3401	2.5859	2.8336	3.0830	3.3337	3.5856	3.8385	4.0923	4.3470	29.5
61.1-63.0	71.1- 73.6	0.3322	0.5488	0.7670	0.9936	1.2283	1.4699	1.7170	1.9685	2.2237	2.4819	2.7426	3.0055	3.2701	3.5362	3.8036	4.0722	4.3418	4.6122	29.6
63.1-65.0	73.7- 76.1	0.3573	0.5865	0.8164	1.0552	1.3027	1.5576	1.8186	2.0844	2.3543	2.6275	2.9034	3.1817	3.4619	3.7438	4.0271	4.3118	4.5975	4.8842	29.8
65.1-67.0	76.3- 78.7	0.3839	0.6259	0.8678	1.1189	1.3794	1.6480	1.9230	2.2035	2.4883	2.7767	3.0682	3.3622	3.6584	3.9565	4.2561	4.5572	4.8594	5.1628	29.9
67.1-69.0	78.9- 81.3	0.4121	0.6673	0.9212	1.1849	1.4586	1.7409	2.0303	2.3256	2.6257	2.9297	3.2370	3.5471	3.8596	4.1742	4.4905	4.8083	5.1275	5.4479	30.0
69.1-71.0	81.5- 83.9	0.4419	0.7106	0.9767	1.2530	1.5401	1.8364	2.1405	2.4509	2.7664	3.0863	3.4098	3.7364	4.0655	4.3969	4.7302	5.0653	5.4017	5.7395	30.1
71.1-73.0	84.1- 86.6	0.4734	0.7559	1.0344	1.3235	1.6241	1.9347	2.2535	2.5792	2.9106	3.2466	3.5866	3.9299	4.2761	4.6247	4.9754	5.3279	5.6821	6.0376	30.2
73.1-75.0	86.7- 89.2	0.5067	0.8033	1.0943	1.3964	1.7106	2.0356	2.3695	2.7108	3.0582	3.4107	3.7674	4.1278	4.4913	4.8574	5.2258	5.5962	5.9684	6.3421	30.3
75.1-77.0	89.4- 91.9	0.5419	0.8529	1.1566	1.4717	1.7998	2.1393	2.4885	2.8456	3.2093	3.5784	3.9523	4.3300	4.7111	5.0951	5.4815	5.8702	6.2608	6.6530	30.3
77.1-79.0	92.0- 94.6	0.5791	0.9049	1.2212	1.5495	1.8915	2.2458	2.6104	2.9835	3.3638	3.7499	4.1411	4.5365	4.9355	5.3377	5.7425	6.1498	6.5591	6.9703	30.4
79.1-81.0	94.7- 97.3	0.6185	0.9592	1.2883	1.6298	1.9860	2.3552	2.7354	3.1248	3.5218	3.9252	4.3339	4.7473	5.1646	5.5852	6.0088	6.4350	6.8634	7.2938	30.4

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 14. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 6, 9, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.4	0.0072	0.0127	0.0184	0.0242	0.0301	0.0362	0.0423	0.0484	0.0546	0.0608	0.0670	0.0733	0.0796	0.0859	0.0923	0.0986	0.1049	0.1113	12.7
13.1-15.0	14.5- 16.5	0.0140	0.0254	0.0375	0.0498	0.0624	0.0752	0.0880	0.1009	0.1138	0.1268	0.1399	0.1529	0.1660	0.1791	0.1922	0.2053	0.2184	0.2315	14.4
15.1-17.0	16.6- 18.7	0.0206	0.0373	0.0547	0.0725	0.0906	0.1089	0.1273	0.1457	0.1643	0.1828	0.2014	0.2201	0.2388	0.2575	0.2762	0.2949	0.3136	0.3324	16.0
17.1-19.0	18.8- 20.9	0.0273	0.0491	0.0720	0.0953	0.1190	0.1429	0.1669	0.1911	0.2153	0.2396	0.2640	0.2884	0.3128	0.3373	0.3618	0.3863	0.4108	0.4354	17.4
19.1-21.0	21.1- 23.2	0.0342	0.0615	0.0900	0.1191	0.1487	0.1786	0.2086	0.2388	0.2691	0.2995	0.3300	0.3605	0.3911	0.4217	0.4524	0.4830	0.5138	0.5445	18.7
21.1-23.0	23.3- 25.4	0.0416	0.0746	0.1090	0.1443	0.1801	0.2163	0.2528	0.2895	0.3263	0.3632	0.4002	0.4373	0.4745	0.5117	0.5490	0.5863	0.6236	0.6610	19.9
23.1-25.0	25.5- 27.7	0.0493	0.0883	0.1291	0.1709	0.2134	0.2564	0.2997	0.3432	0.3870	0.4309	0.4750	0.5191	0.5633	0.6076	0.6520	0.6964	0.7408	0.7853	21.0
25.1-27.0	27.8- 29.9	0.0575	0.1029	0.1503	0.1990	0.2486	0.2987	0.3493	0.4003	0.4514	0.5028	0.5543	0.6060	0.6578	0.7096	0.7615	0.8135	0.8656	0.9177	22.0
27.1-29.0	30.1- 32.2	0.0663	0.1184	0.1728	0.2287	0.2857	0.3435	0.4018	0.4605	0.5196	0.5788	0.6383	0.6980	0.7578	0.8177	0.8777	0.9378	0.9979	1.0582	22.9
29.1-31.0	32.3- 34.5	0.0756	0.1347	0.1964	0.2600	0.3248	0.3906	0.4571	0.5240	0.5914	0.6590	0.7270	0.7951	0.8634	0.9318	1.0004	1.0690	1.1378	1.2066	23.7
31.1-33.0	34.7- 36.9	0.0854	0.1519	0.2213	0.2928	0.3659	0.4401	0.5151	0.5907	0.6669	0.7434	0.8202	0.8972	0.9745	1.0520	1.1296	1.2073	1.2851	1.3631	24.4
33.1-35.0	37.0- 39.2	0.0959	0.1701	0.2474	0.3273	0.4089	0.4919	0.5759	0.6607	0.7460	0.8317	0.9179	1.0044	1.0911	1.1780	1.2652	1.3525	1.4399	1.5274	25.1
35.1-37.0	39.3- 41.5	0.1071	0.1892	0.2748	0.3633	0.4540	0.5461	0.6395	0.7337	0.8287	0.9242	1.0201	1.1165	1.2131	1.3100	1.4071	1.5044	1.6019	1.6996	25.7
37.1-39.0	41.7- 43.9	0.1189	0.2094	0.3036	0.4011	0.5010	0.6027	0.7058	0.8100	0.9149	1.0206	1.1268	1.2334	1.3404	1.4478	1.5554	1.6632	1.7712	1.8794	26.2
39.1-41.0	44.0- 46.3	0.1314	0.2306	0.3337	0.4404	0.5500	0.6616	0.7748	0.8893	1.0047	1.1210	1.2378	1.3552	1.4731	1.5913	1.7098	1.8286	1.9476	2.0668	26.7
41.1-43.0	46.4- 48.7	0.1448	0.2529	0.3651	0.4815	0.6009	0.7228	0.8466	0.9717	1.0980	1.2253	1.3532	1.4818	1.6109	1.7404	1.8703	2.0005	2.1310	2.2618	27.1
43.1-45.0	48.8- 51.1	0.1589	0.2763	0.3980	0.5242	0.6539	0.7864	0.9210	1.0573	1.1948	1.3334	1.4729	1.6131	1.7539	1.8952	2.0369	2.1790	2.3214	2.4641	27.5
45.1-47.0	51.2- 53.5	0.1739	0.3010	0.4324	0.5686	0.7089	0.8523	0.9981	1.1458	1.2950	1.4454	1.5968	1.7490	1.9019	2.0554	2.2094	2.3639	2.5187	2.6738	27.8
47.1-49.0	53.7- 56.0	0.1898	0.3268	0.4682	0.6149	0.7660	0.9206	1.0780	1.2375	1.3987	1.5612	1.7249	1.8896	2.0551	2.2212	2.3879	2.5551	2.7227	2.8907	28.2
49.1-51.0	56.1- 58.5	0.2066	0.3539	0.5055	0.6629	0.8251	0.9913	1.1605	1.3321	1.5057	1.6808	1.8572	2.0347	2.2131	2.3923	2.5721	2.7525	2.9334	3.1148	28.4
51.1-53.0	58.6- 60.9	0.2245	0.3824	0.5444	0.7127	0.8863	1.0643	1.2457	1.4298	1.6161	1.8042	1.9937	2.1844	2.3762	2.5688	2.7622	2.9562	3.1508	3.3459	28.7
53.1-55.0	61.1- 63.4	0.2434	0.4122	0.5850	0.7643	0.9497	1.1398	1.3337	1.5306	1.7299	1.9313	2.1343	2.3386	2.5441	2.7506	2.9580	3.1660	3.3748	3.5840	28.9
55.1-57.0	63.6- 65.9	0.2634	0.4435	0.6272	0.8179	1.0151	1.2176	1.4243	1.6343	1.8471	2.0621	2.2789	2.4973	2.7169	2.9377	3.1594	3.3819	3.6052	3.8291	29.1
57.1-59.0	66.1- 68.5	0.2847	0.4764	0.6711	0.8734	1.0828	1.2979	1.5177	1.7411	1.9676	2.1966	2.4276	2.6604	2.8945	3.1299	3.3664	3.6038	3.8420	4.0810	29.3
59.1-61.0	68.6- 71.0	0.3071	0.5107	0.7168	0.9309	1.1527	1.3807	1.6138	1.8510	2.0915	2.3348	2.5804	2.8279	3.0769	3.3274	3.5790	3.8317	4.0853	4.3396	29.5
61.1-63.0	71.1- 73.6	0.3309	0.5467	0.7644	0.9905	1.2248	1.4659	1.7127	1.9639	2.2188	2.4767	2.7372	2.9997	3.2641	3.5300	3.7971	4.0655	4.3348	4.6050	29.6
63.1-65.0	73.7- 76.1	0.3561	0.5845	0.8138	1.0521	1.2992	1.5537	1.8143	2.0799	2.3495	2.6223	2.8980	3.1760	3.4560	3.7376	4.0207	4.3051	4.5906	4.8771	29.8
65.1-67.0	76.3- 78.7	0.3827	0.6240	0.8652	1.1158	1.3759	1.6441	1.9188	2.1989	2.4835	2.7716	3.0628	3.3566	3.6526	3.9504	4.2498	4.5506	4.8526	5.1557	29.9
67.1-69.0	78.9- 81.3	0.4109	0.6654	0.9187	1.1818	1.4551	1.7370	2.0261	2.3211	2.6209	2.9246	3.2317	3.5416	3.8538	4.1681	4.4842	4.8018	5.1208	5.4409	30.0
69.1-71.0	81.5- 83.9	0.4407	0.7087	0.9742	1.2500	1.5366	1.8326	2.1363	2.4464	2.7616	3.0813	3.4045	3.7308	4.0598	4.3909	4.7240	5.0588	5.3951	5.7327	30.1
71.1-73.0	84.1- 86.6	0.4722	0.7540	1.0319	1.3205	1.6206	1.9308	2.2494	2.5748	2.9058	3.2416	3.5813	3.9244	4.2703	4.6187	4.9692	5.3215	5.6754	6.0308	30.2
73.1-75.0	86.7- 89.2	0.5056	0.8014	1.0918	1.3934	1.7072	2.0318	2.3654	2.7063	3.0535	3.4057	3.7622	4.1223	4.4855	4.8514	5.2196	5.5899	5.9618	6.3354	30.3
75.1-77.0	89.4- 91.9	0.5408	0.8511	1.1541	1.4687	1.7963	2.1355	2.4843	2.8411	3.2045	3.5734	3.9470	4.3245	4.7054	5.0891	5.4754	5.8638	6.2542	6.6463	30.3
77.1-79.0	92.0- 94.6	0.5780	0.9030	1.2187	1.5465	1.8881	2.2420	2.6062	2.9791	3.3590	3.7449	4.1359	4.5310	4.9298	5.3318	5.7364	6.1435	6.5526	6.9635	30.4
79.1-81.0	94.7- 97.3	0.6174	0.9573	1.2859	1.6268	1.9825	2.3513	2.7312	3.1203	3.5170	3.9202	4.3287	4.7418	5.1589	5.5793	6.0027	6.4286	6.8569	7.2871	30.4

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 15. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 6, 9, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.4	0.0040	0.0064	0.0085	0.0103	0.0119	0.0135	0.0151	0.0166	0.0181	0.0196	0.0211	0.0225	0.0240	0.0255	0.0269	0.0284	0.0299	0.0313	12.7
13.1-15.0	14.5- 16.5	0.0114	0.0205	0.0301	0.0400	0.0502	0.0606	0.0711	0.0817	0.0924	0.1031	0.1139	0.1247	0.1356	0.1464	0.1573	0.1682	0.1791	0.1901	14.4
15.1-17.0	16.6- 18.7	0.0185	0.0336	0.0496	0.0660	0.0827	0.0997	0.1168	0.1340	0.1512	0.1686	0.1859	0.2033	0.2208	0.2382	0.2557	0.2732	0.2907	0.3083	16.0
17.1-19.0	18.8- 20.9	0.0256	0.0463	0.0680	0.0903	0.1131	0.1360	0.1592	0.1824	0.2058	0.2292	0.2526	0.2762	0.2997	0.3233	0.3469	0.3705	0.3942	0.4179	17.4
19.1-21.0	21.1- 23.2	0.0327	0.0591	0.0867	0.1150	0.1439	0.1730	0.2023	0.2318	0.2614	0.2911	0.3209	0.3507	0.3806	0.4105	0.4405	0.4705	0.5005	0.5305	18.7
21.1-23.0	23.3- 25.4	0.0402	0.0724	0.1061	0.1408	0.1760	0.2116	0.2474	0.2835	0.3197	0.3561	0.3925	0.4291	0.4657	0.5023	0.5390	0.5757	0.6125	0.6493	19.9
23.1-25.0	25.5- 27.7	0.0481	0.0864	0.1265	0.1678	0.2097	0.2522	0.2950	0.3380	0.3813	0.4247	0.4683	0.5119	0.5557	0.5995	0.6433	0.6873	0.7312	0.7752	21.0
25.1-27.0	27.8- 29.9	0.0564	0.1012	0.1480	0.1962	0.2453	0.2950	0.3451	0.3956	0.4463	0.4973	0.5484	0.5996	0.6509	0.7024	0.7539	0.8055	0.8571	0.9088	22.0
27.1-29.0	30.1- 32.2	0.0652	0.1168	0.1706	0.2261	0.2827	0.3400	0.3979	0.4563	0.5149	0.5738	0.6329	0.6922	0.7516	0.8111	0.8708	0.9305	0.9903	1.0501	22.9
29.1-31.0	32.3- 34.5	0.0746	0.1332	0.1944	0.2575	0.3220	0.3874	0.4535	0.5201	0.5871	0.6544	0.7220	0.7898	0.8577	0.9258	0.9941	1.0624	1.1308	1.1993	23.7
31.1-33.0	34.7- 36.9	0.0845	0.1505	0.2194	0.2905	0.3633	0.4371	0.5118	0.5871	0.6629	0.7391	0.8156	0.8923	0.9693	1.0464	1.1237	1.2011	1.2787	1.3563	24.4
33.1-35.0	37.0- 39.2	0.0951	0.1687	0.2456	0.3251	0.4065	0.4891	0.5728	0.6572	0.7422	0.8277	0.9136	0.9998	1.0862	1.1729	1.2597	1.3467	1.4339	1.5212	25.1
35.1-37.0	39.3- 41.5	0.1062	0.1879	0.2732	0.3613	0.4516	0.5435	0.6365	0.7305	0.8252	0.9204	1.0161	1.1121	1.2085	1.3052	1.4020	1.4991	1.5963	1.6937	25.7
37.1-39.0	41.7- 43.9	0.1181	0.2081	0.3020	0.3991	0.4987	0.6001	0.7030	0.8069	0.9116	1.0170	1.1230	1.2293	1.3361	1.4432	1.5505	1.6581	1.7659	1.8739	26.2
39.1-41.0	44.0- 46.3	0.1307	0.2294	0.3321	0.4385	0.5478	0.6591	0.7721	0.8864	1.0016	1.1175	1.2342	1.3513	1.4689	1.5869	1.7052	1.8238	1.9426	2.0616	26.7
41.1-43.0	46.4- 48.7	0.1440	0.2517	0.3636	0.4796	0.5988	0.7205	0.8440	0.9689	1.0950	1.2220	1.3497	1.4781	1.6069	1.7363	1.8659	1.9960	2.1262	2.2568	27.1
43.1-45.0	48.8- 51.1	0.1582	0.2752	0.3966	0.5224	0.6519	0.7841	0.9185	1.0545	1.1919	1.3303	1.4695	1.6095	1.7501	1.8912	2.0327	2.1746	2.3168	2.4593	27.5
45.1-47.0	51.2- 53.5	0.1732	0.2999	0.4309	0.5669	0.7070	0.8501	0.9957	1.1432	1.2922	1.4424	1.5936	1.7456	1.8983	2.0516	2.2054	2.3596	2.5143	2.6692	27.8
47.1-49.0	53.7- 56.0	0.1891	0.3257	0.4668	0.6132	0.7641	0.9185	1.0756	1.2349	1.3959	1.5583	1.7218	1.8863	2.0515	2.2175	2.3840	2.5510	2.7185	2.8863	28.2
49.1-51.0	56.1- 58.5	0.2060	0.3529	0.5041	0.6612	0.8232	0.9892	1.1582	1.3296	1.5030	1.6779	1.8542	2.0315	2.2097	2.3887	2.5684	2.7486	2.9293	3.1105	28.4
51.1-53.0	58.6- 60.9	0.2239	0.3814	0.5431	0.7111	0.8845	1.0623	1.2435	1.4274	1.6135	1.8014	1.9907	2.1813	2.3729	2.5653	2.7586	2.9524	3.1468	3.3418	28.7
53.1-55.0	61.1- 63.4	0.2428	0.4113	0.5837	0.7628	0.9479	1.1377	1.3314	1.5282	1.7273	1.9285	2.1313	2.3355	2.5409	2.7472	2.9544	3.1623	3.3709	3.5800	28.9
55.1-57.0	63.6- 65.9	0.2629	0.4426	0.6259	0.8164	1.0134	1.2156	1.4221	1.6320	1.8446	2.0594	2.2761	2.4943	2.7138	2.9344	3.1559	3.3783	3.6014	3.8252	29.1
57.1-59.0	66.1- 68.5	0.2841	0.4754	0.6698	0.8719	1.0811	1.2960	1.5155	1.7388	1.9652	2.1940	2.4248	2.6574	2.8914	3.1267	3.3630	3.6003	3.8384	4.0772	29.3
59.1-61.0	68.6- 71.0	0.3066	0.5098	0.7156	0.9294	1.1509	1.3788	1.6117	1.8487	2.0891	2.3322	2.5776	2.8250	3.0739	3.3242	3.5757	3.8283	4.0817	4.3359	29.5
61.1-63.0	71.1- 73.6	0.3304	0.5458	0.7632	0.9890	1.2231	1.4641	1.7106	1.9617	2.2164	2.4742	2.7345	2.9969	3.2611	3.5268	3.7939	4.0621	4.3313	4.6014	29.6
63.1-65.0	73.7- 76.1	0.3556	0.5836	0.8126	1.0506	1.2975	1.5519	1.8123	2.0777	2.3471	2.6198	2.8954	3.1732	3.4530	3.7346	4.0175	4.3018	4.5872	4.8735	29.8
65.1-67.0	76.3- 78.7	0.3822	0.6231	0.8640	1.1144	1.3743	1.6422	1.9168	2.1968	2.4811	2.7691	3.0602	3.3539	3.6497	3.9473	4.2466	4.5473	4.8492	5.1522	29.9
67.1-69.0	78.9- 81.3	0.4104	0.6645	0.9175	1.1804	1.4534	1.7352	2.0241	2.3189	2.6185	2.9221	3.2291	3.5388	3.8510	4.1652	4.4811	4.7986	5.1175	5.4375	30.0
69.1-71.0	81.5- 83.9	0.4402	0.7078	0.9730	1.2486	1.5350	1.8308	2.1343	2.4442	2.7594	3.0788	3.4019	3.7281	4.0569	4.3880	4.7210	5.0556	5.3918	5.7292	30.1
71.1-73.0	84.1- 86.6	0.4717	0.7532	1.0308	1.3191	1.6190	1.9290	2.2474	2.5726	2.9036	3.2392	3.5788	3.9217	4.2675	4.6158	4.9661	5.3183	5.6722	6.0274	30.2
73.1-75.0	86.7- 89.2	0.5051	0.8006	1.0907	1.3920	1.7056	2.0300	2.3634	2.7042	3.0512	3.4033	3.7597	4.1197	4.4828	4.8485	5.2166	5.5867	5.9586	6.3320	30.3
75.1-77.0	89.4- 91.9	0.5403	0.8503	1.1530	1.4673	1.7947	2.1337	2.4824	2.8390	3.2023	3.5711	3.9445	4.3219	4.7026	5.0863	5.4724	5.8608	6.2510	6.6430	30.3
77.1-79.0	92.0- 94.6	0.5776	0.9022	1.2176	1.5451	1.8865	2.2402	2.6043	2.9770	3.3568	3.7426	4.1334	4.5284	4.9271	5.3289	5.7335	6.1404	6.5494	6.9603	30.4
79.1-81.0	94.7- 97.3	0.6169	0.9565	1.2848	1.6255	1.9809	2.3496	2.7293	3.1182	3.5148	3.9178	4.3262	4.7392	5.1562	5.5765	5.9998	6.4256	6.8537	7.2838	30.4

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 19. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 4, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.4- 9.6	0.0020	0.0034	0.0049	0.0063	0.0077	0.0092	0.0106	0.0120	0.0134	0.0148	0.0163	0.0177	0.0191	0.0205	0.0219	0.0234	0.0248	0.0262	9.0
9.1-11.0	9.7- 11.8	0.0082	0.0143	0.0204	0.0267	0.0329	0.0392	0.0454	0.0517	0.0580	0.0643	0.0706	0.0769	0.0832	0.0895	0.0959	0.1022	0.1085	0.1148	10.8
11.1-13.0	11.9- 14.0	0.0139	0.0239	0.0340	0.0442	0.0544	0.0646	0.0749	0.0852	0.0955	0.1058	0.1161	0.1264	0.1367	0.1471	0.1574	0.1677	0.1780	0.1884	12.5
13.1-15.0	14.1- 16.3	0.0197	0.0339	0.0483	0.0627	0.0772	0.0918	0.1063	0.1209	0.1355	0.1502	0.1648	0.1794	0.1941	0.2087	0.2234	0.2381	0.2528	0.2674	14.0
15.1-17.0	16.4- 18.5	0.0260	0.0448	0.0638	0.0830	0.1023	0.1216	0.1409	0.1603	0.1797	0.1991	0.2186	0.2380	0.2575	0.2770	0.2965	0.3159	0.3354	0.3550	15.4
17.1-19.0	18.6- 20.8	0.0328	0.0566	0.0808	0.1052	0.1297	0.1543	0.1789	0.2036	0.2283	0.2530	0.2778	0.3026	0.3274	0.3522	0.3770	0.4019	0.4267	0.4516	16.6
19.1-21.0	20.9- 23.0	0.0400	0.0693	0.0992	0.1292	0.1595	0.1898	0.2203	0.2508	0.2813	0.3119	0.3425	0.3731	0.4038	0.4345	0.4652	0.4959	0.5266	0.5573	17.7
21.1-23.0	23.1- 25.3	0.0478	0.0830	0.1189	0.1551	0.1916	0.2283	0.2650	0.3018	0.3387	0.3756	0.4126	0.4496	0.4866	0.5237	0.5608	0.5979	0.6350	0.6721	18.7
23.1-25.0	25.4- 27.5	0.0560	0.0975	0.1400	0.1829	0.2260	0.2694	0.3130	0.3566	0.4003	0.4441	0.4879	0.5318	0.5757	0.6197	0.6637	0.7077	0.7517	0.7957	19.6
25.1-27.0	27.6- 29.8	0.0646	0.1129	0.1623	0.2123	0.2626	0.3133	0.3640	0.4150	0.4660	0.5171	0.5683	0.6196	0.6709	0.7222	0.7736	0.8250	0.8764	0.9279	20.3
27.1-29.0	29.9- 32.1	0.0737	0.1292	0.1859	0.2434	0.3013	0.3596	0.4181	0.4768	0.5357	0.5946	0.6536	0.7127	0.7719	0.8311	0.8903	0.9496	1.0090	1.0683	21.0
29.1-31.0	32.2- 34.3	0.0833	0.1462	0.2106	0.2760	0.3420	0.4084	0.4751	0.5420	0.6091	0.6763	0.7436	0.8110	0.8785	0.9461	1.0137	1.0813	1.1490	1.2167	21.6
31.1-33.0	34.4- 36.6	0.0933	0.1640	0.2365	0.3102	0.3847	0.4596	0.5349	0.6104	0.6862	0.7621	0.8381	0.9143	0.9906	1.0669	1.1433	1.2198	1.2963	1.3729	22.2
33.1-35.0	36.7- 38.9	0.1037	0.1825	0.2635	0.3459	0.4291	0.5130	0.5972	0.6819	0.7667	0.8518	0.9370	1.0223	1.1078	1.1934	1.2790	1.3647	1.4505	1.5364	22.6
35.1-37.0	39.0- 41.1	0.1145	0.2018	0.2916	0.3830	0.4754	0.5685	0.6622	0.7562	0.8506	0.9452	1.0400	1.1350	1.2301	1.3253	1.4206	1.5160	1.6114	1.7070	23.1
37.1-39.0	41.3- 43.4	0.1258	0.2218	0.3207	0.4214	0.5233	0.6261	0.7295	0.8334	0.9377	1.0422	1.1470	1.2520	1.3571	1.4623	1.5677	1.6732	1.7788	1.8844	23.4
39.1-41.0	43.5- 45.7	0.1375	0.2426	0.3508	0.4611	0.5729	0.6857	0.7992	0.9133	1.0278	1.1427	1.2578	1.3731	1.4887	1.6044	1.7202	1.8362	1.9523	2.0684	23.7
41.1-43.0	45.8- 48.0	0.1496	0.2640	0.3818	0.5021	0.6240	0.7471	0.8711	0.9957	1.1209	1.2464	1.3722	1.4983	1.6247	1.7512	1.8779	2.0047	2.1317	2.2587	24.0
43.1-45.0	48.1- 50.3	0.1621	0.2860	0.4138	0.5443	0.6767	0.8104	0.9451	1.0806	1.2167	1.3532	1.4902	1.6274	1.7649	1.9026	2.0405	2.1785	2.3167	2.4550	24.3
45.1-47.0	50.4- 52.6	0.1751	0.3088	0.4467	0.5876	0.7307	0.8754	1.0212	1.1679	1.3152	1.4631	1.6114	1.7601	1.9091	2.0583	2.2077	2.3573	2.5071	2.6571	24.5
47.1-49.0	52.7- 54.8	0.1885	0.3322	0.4804	0.6321	0.7862	0.9420	1.0992	1.2573	1.4163	1.5758	1.7358	1.8963	2.0571	2.2181	2.3795	2.5410	2.7027	2.8646	24.7
49.1-51.0	55.0- 57.1	0.2023	0.3563	0.5151	0.6776	0.8429	1.0102	1.1790	1.3489	1.5197	1.6912	1.8633	2.0358	2.2087	2.3819	2.5555	2.7292	2.9032	3.0774	24.9
51.1-53.0	57.3- 59.4	0.2166	0.3810	0.5505	0.7242	0.9010	1.0800	1.2606	1.4426	1.6255	1.8092	1.9936	2.1785	2.3638	2.5495	2.7356	2.9219	3.1084	3.2952	25.0
53.1-55.0	59.6- 61.7	0.2313	0.4063	0.5868	0.7719	0.9603	1.1512	1.3440	1.5382	1.7335	1.9297	2.1266	2.3242	2.5222	2.7207	2.9195	3.1186	3.3181	3.5177	25.2
55.1-57.0	61.9- 64.0	0.2464	0.4323	0.6239	0.8205	1.0207	1.2238	1.4289	1.6356	1.8436	2.0525	2.2623	2.4728	2.6838	2.8953	3.1072	3.3194	3.5320	3.7448	25.3
57.1-59.0	64.2- 66.3	0.2621	0.4590	0.6618	0.8700	1.0823	1.2977	1.5153	1.7348	1.9556	2.1776	2.4004	2.6241	2.8483	3.0731	3.2983	3.5239	3.7499	3.9761	25.4
59.1-61.0	66.5- 68.7	0.2781	0.4863	0.7005	0.9205	1.1450	1.3729	1.6033	1.8357	2.0696	2.3047	2.5409	2.7779	3.0156	3.2539	3.4928	3.7320	3.9716	4.2116	25.5
61.1-63.0	68.8- 71.0	0.2947	0.5142	0.7400	0.9720	1.2088	1.4493	1.6926	1.9381	2.1853	2.4339	2.6836	2.9343	3.1857	3.4377	3.6904	3.9435	4.1970	4.4509	25.6
63.1-65.0	71.1- 73.3	0.3118	0.5428	0.7802	1.0242	1.2736	1.5269	1.7833	2.0421	2.3028	2.5650	2.8284	3.0929	3.3582	3.6243	3.8909	4.1581	4.4258	4.6939	25.6
65.1-67.0	73.4- 75.6	0.3293	0.5720	0.8212	1.0774	1.3393	1.6056	1.8753	2.1476	2.4219	2.6979	2.9753	3.2537	3.5332	3.8134	4.0943	4.3758	4.6578	4.9403	25.7
67.1-69.0	75.7- 77.9	0.3474	0.6019	0.8629	1.1314	1.4061	1.6854	1.9685	2.2544	2.5425	2.8325	3.1240	3.4166	3.7104	4.0050	4.3004	4.5964	4.8929	5.1900	25.7
69.1-71.0	78.0- 80.2	0.3659	0.6324	0.9053	1.1862	1.4737	1.7663	2.0628	2.3625	2.6646	2.9687	3.2744	3.5815	3.8897	4.1989	4.5089	4.8196	5.1309	5.4428	25.8
71.1-73.0	80.4- 82.6	0.3850	0.6636	0.9485	1.2419	1.5422	1.8481	2.1583	2.4718	2.7880	3.1064	3.4266	3.7482	4.0710	4.3949	4.7197	5.0453	5.3716	5.6984	25.8
73.1-75.0	82.7- 84.9	0.4046	0.6954	0.9924	1.2983	1.6116	1.9309	2.2548	2.5823	2.9128	3.2456	3.5803	3.9166	4.2542	4.5930	4.9328	5.2734	5.6148	5.9568	25.9
75.1-77.0	85.0- 87.2	0.4248	0.7279	1.0371	1.3555	1.6819	2.0146	2.3523	2.6940	3.0388	3.3861	3.7355	4.0866	4.4392	4.7930	5.1479	5.5037	5.8603	6.2176	25.9
77.1-79.0	87.3- 89.5	0.4455	0.7611	1.0824	1.4134	1.7529	2.0992	2.4508	2.8067	3.1659	3.5278	3.8921	4.2581	4.6258	4.9948	5.3649	5.7361	6.1081	6.4809	25.9
79.1-81.0	89.7- 91.9	0.4668	0.7949	1.1285	1.4721	1.8248	2.1847	2.5503	2.9204	3.2941	3.6708	4.0499	4.4311	4.8139	5.1982	5.5838	5.9704	6.3579	6.7463	26.0

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 20. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 4, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	11.9- 14.0	0.0066	0.0117	0.0168	0.0219	0.0271	0.0323	0.0376	0.0428	0.0481	0.0533	0.0586	0.0639	0.0692	0.0745	0.0798	0.0851	0.0903	0.0957	12.5
13.1-15.0	14.1- 16.3	0.0145	0.0257	0.0372	0.0488	0.0606	0.0724	0.0843	0.0961	0.1080	0.1200	0.1319	0.1439	0.1558	0.1678	0.1798	0.1917	0.2037	0.2157	14.0
15.1-17.0	16.4- 18.5	0.0219	0.0385	0.0556	0.0728	0.0901	0.1075	0.1249	0.1424	0.1599	0.1774	0.1950	0.2126	0.2301	0.2477	0.2653	0.2829	0.3005	0.3181	15.4
17.1-19.0	18.6- 20.8	0.0293	0.0515	0.0741	0.0969	0.1199	0.1430	0.1661	0.1893	0.2126	0.2358	0.2591	0.2824	0.3057	0.3291	0.3524	0.3758	0.3992	0.4225	16.6
19.1-21.0	20.9- 23.0	0.0370	0.0649	0.0934	0.1222	0.1512	0.1804	0.2096	0.2388	0.2682	0.2975	0.3269	0.3563	0.3858	0.4152	0.4447	0.4742	0.5037	0.5332	17.7
21.1-23.0	23.1- 25.3	0.0451	0.0791	0.1138	0.1490	0.1844	0.2200	0.2557	0.2915	0.3273	0.3632	0.3991	0.4351	0.4711	0.5071	0.5431	0.5792	0.6153	0.6514	18.7
23.1-25.0	25.4- 27.5	0.0535	0.0940	0.1354	0.1773	0.2196	0.2621	0.3047	0.3474	0.3902	0.4331	0.4760	0.5190	0.5620	0.6050	0.6481	0.6912	0.7343	0.7775	19.6
25.1-27.0	27.6- 29.8	0.0624	0.1097	0.1581	0.2073	0.2568	0.3066	0.3565	0.4067	0.4569	0.5072	0.5576	0.6080	0.6585	0.7091	0.7596	0.8102	0.8609	0.9115	20.3
27.1-29.0	29.9- 32.1	0.0716	0.1261	0.1820	0.2387	0.2959	0.3535	0.4113	0.4692	0.5273	0.5855	0.6438	0.7022	0.7606	0.8191	0.8776	0.9362	0.9948	1.0535	21.0
29.1-31.0	32.2- 34.3	0.0813	0.1433	0.2070	0.2717	0.3370	0.4027	0.4687	0.5350	0.6014	0.6679	0.7346	0.8013	0.8682	0.9350	1.0020	1.0690	1.1360	1.2031	21.6
31.1-33.0	34.4- 36.6	0.0914	0.1613	0.2331	0.3061	0.3799	0.4542	0.5289	0.6038	0.6790	0.7543	0.8297	0.9053	0.9809	1.0567	1.1325	1.2083	1.2842	1.3602	22.2
33.1-35.0	36.7- 38.9	0.1018	0.1799	0.2603	0.3420	0.4246	0.5079	0.5916	0.6756	0.7599	0.8444	0.9291	1.0139	1.0988	1.1838	1.2689	1.3541	1.4393	1.5246	22.6
35.1-37.0	39.0- 41.1	0.1128	0.1993	0.2885	0.3793	0.4711	0.5637	0.6568	0.7504	0.8442	0.9383	1.0326	1.1270	1.2216	1.3163	1.4111	1.5059	1.6009	1.6959	23.1
37.1-39.0	41.3- 43.4	0.1241	0.2194	0.3177	0.4178	0.5192	0.6215	0.7244	0.8278	0.9316	1.0356	1.1399	1.2444	1.3490	1.4538	1.5587	1.6637	1.7688	1.8740	23.4
39.1-41.0	43.5- 45.7	0.1358	0.2402	0.3479	0.4577	0.5690	0.6813	0.7943	0.9079	1.0220	1.1364	1.2510	1.3659	1.4810	1.5963	1.7117	1.8272	1.9428	2.0585	23.7
41.1-43.0	45.8- 48.0	0.1480	0.2617	0.3790	0.4988	0.6202	0.7429	0.8664	0.9906	1.1153	1.2404	1.3658	1.4915	1.6174	1.7435	1.8697	1.9961	2.1226	2.2493	24.0
43.1-45.0	48.1- 50.3	0.1605	0.2838	0.4110	0.5410	0.6730	0.8063	0.9406	1.0757	1.2113	1.3474	1.4840	1.6208	1.7578	1.8951	2.0326	2.1703	2.3081	2.4460	24.3
45.1-47.0	50.4- 52.6	0.1735	0.3066	0.4440	0.5845	0.7271	0.8714	1.0168	1.1630	1.3100	1.4575	1.6054	1.7537	1.9023	2.0511	2.2002	2.3494	2.4988	2.6484	24.5
47.1-49.0	52.7- 54.8	0.1870	0.3301	0.4778	0.6290	0.7827	0.9381	1.0949	1.2527	1.4112	1.5704	1.7300	1.8901	2.0505	2.2112	2.3722	2.5334	2.6947	2.8562	24.7
49.1-51.0	55.0- 57.1	0.2008	0.3542	0.5125	0.6746	0.8395	1.0064	1.1748	1.3444	1.5148	1.6859	1.8576	2.0298	2.2024	2.3753	2.5484	2.7218	2.8955	3.0693	24.9
51.1-53.0	57.3- 59.4	0.2151	0.3789	0.5480	0.7213	0.8976	1.0763	1.2566	1.4381	1.6207	1.8041	1.9881	2.1727	2.3577	2.5430	2.7287	2.9147	3.1009	3.2873	25.0
53.1-55.0	59.6- 61.7	0.2298	0.4043	0.5843	0.7689	0.9570	1.1475	1.3399	1.5338	1.7288	1.9247	2.1213	2.3185	2.5162	2.7144	2.9129	3.1117	3.3108	3.5101	25.2
55.1-57.0	61.9- 64.0	0.2450	0.4304	0.6215	0.8176	1.0175	1.2202	1.4249	1.6313	1.8390	2.0476	2.2571	2.4672	2.6779	2.8891	3.1007	3.3126	3.5248	3.7373	25.3
57.1-59.0	64.2- 66.3	0.2607	0.4570	0.6594	0.8672	1.0791	1.2941	1.5115	1.7306	1.9511	2.1728	2.3953	2.6186	2.8426	3.0670	3.2920	3.5173	3.7429	3.9689	25.4
59.1-61.0	66.5- 68.7	0.2768	0.4843	0.6981	0.9177	1.1419	1.3694	1.5995	1.8315	2.0651	2.3000	2.5359	2.7726	3.0100	3.2480	3.4865	3.7255	3.9648	4.2045	25.5
61.1-63.0	68.8- 71.0	0.2934	0.5123	0.7376	0.9692	1.2057	1.4459	1.6889	1.9341	2.1810	2.4293	2.6787	2.9290	3.1802	3.4319	3.6843	3.9371	4.1903	4.4440	25.6
63.1-65.0	71.1- 73.3	0.3105	0.5409	0.7778	1.0215	1.2705	1.5235	1.7796	2.0381	2.2985	2.5604	2.8236	3.0878	3.3528	3.6186	3.8850	4.1519	4.4193	4.6871	25.6
65.1-67.0	73.4- 75.6	0.3280	0.5701	0.8188	1.0747	1.3363	1.6023	1.8716	2.1436	2.4176	2.6934	2.9704	3.2487	3.5278	3.8078	4.0884	4.3697	4.6514	4.9336	25.7
67.1-69.0	75.7- 77.9	0.3461	0.6000	0.8606	1.1287	1.4030	1.6821	1.9648	2.2504	2.5383	2.8280	3.1192	3.4116	3.7051	3.9994	4.2945	4.5903	4.8866	5.1834	25.7
69.1-71.0	78.0- 80.2	0.3647	0.6306	0.9030	1.1836	1.4707	1.7630	2.0592	2.3586	2.6604	2.9643	3.2697	3.5765	3.8845	4.1934	4.5031	4.8136	5.1247	5.4363	25.8
71.1-73.0	80.4- 82.6	0.3838	0.6617	0.9462	1.2392	1.5392	1.8448	2.1547	2.4680	2.7839	3.1020	3.4219	3.7433	4.0659	4.3895	4.7141	5.0394	5.3654	5.6920	25.8
73.1-75.0	82.7- 84.9	0.4034	0.6936	0.9902	1.2956	1.6087	1.9276	2.2512	2.5785	2.9087	3.2412	3.5757	3.9117	4.2491	4.5877	4.9272	5.2676	5.6087	5.9504	25.9
75.1-77.0	85.0- 87.2	0.4236	0.7261	1.0348	1.3528	1.6789	2.0114	2.3488	2.6902	3.0347	3.3817	3.7309	4.0818	4.4341	4.7877	5.1424	5.4979	5.8543	6.2114	25.9
77.1-79.0	87.3- 89.5	0.4443	0.7593	1.0802	1.4108	1.7500	2.0960	2.4473	2.8029	3.1618	3.5235	3.8875	4.2533	4.6208	4.9895	5.3594	5.7303	6.1021	6.4746	25.9
79.1-81.0	89.7- 91.9	0.4656	0.7932	1.1262	1.4695	1.8219	2.1814	2.5467	2.9166	3.2901	3.6665	4.0454	4.4263	4.8089	5.1930	5.5783	5.9647	6.3520	6.7401	26.0

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 21. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 4, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	11.9- 14.0	0.0029	0.0050	0.0068	0.0086	0.0103	0.0120	0.0136	0.0153	0.0170	0.0187	0.0203	0.0220	0.0237	0.0253	0.0270	0.0287	0.0303	0.0320	12.5
13.1-15.0	14.1- 16.3	0.0114	0.0203	0.0294	0.0387	0.0481	0.0576	0.0672	0.0767	0.0863	0.0960	0.1056	0.1153	0.1249	0.1346	0.1443	0.1540	0.1637	0.1734	14.0
15.1-17.0	16.4- 18.5	0.0195	0.0347	0.0503	0.0662	0.0821	0.0982	0.1143	0.1305	0.1467	0.1629	0.1791	0.1954	0.2116	0.2279	0.2442	0.2605	0.2768	0.2931	15.4
17.1-19.0	18.6- 20.8	0.0274	0.0485	0.0701	0.0919	0.1140	0.1361	0.1583	0.1806	0.2029	0.2252	0.2475	0.2699	0.2923	0.3147	0.3371	0.3596	0.3820	0.4044	16.6
19.1-21.0	20.9- 23.0	0.0354	0.0625	0.0902	0.1182	0.1464	0.1748	0.2033	0.2318	0.2604	0.2890	0.3177	0.3463	0.3751	0.4038	0.4325	0.4613	0.4900	0.5188	17.7
21.1-23.0	23.1- 25.3	0.0437	0.0769	0.1110	0.1456	0.1804	0.2153	0.2504	0.2855	0.3208	0.3560	0.3914	0.4267	0.4621	0.4975	0.5330	0.5684	0.6039	0.6394	18.7
23.1-25.0	25.4- 27.5	0.0522	0.0921	0.1329	0.1743	0.2160	0.2580	0.3000	0.3422	0.3845	0.4269	0.4693	0.5117	0.5542	0.5968	0.6393	0.6819	0.7245	0.7671	19.6
25.1-27.0	27.6- 29.8	0.0612	0.1079	0.1559	0.2045	0.2536	0.3029	0.3524	0.4021	0.4519	0.5017	0.5516	0.6016	0.6517	0.7017	0.7519	0.8020	0.8522	0.9024	20.3
27.1-29.0	29.9- 32.1	0.0705	0.1245	0.1800	0.2362	0.2930	0.3501	0.4075	0.4651	0.5228	0.5806	0.6385	0.6964	0.7544	0.8125	0.8706	0.9288	0.9870	1.0452	21.0
29.1-31.0	32.2- 34.3	0.0803	0.1418	0.2051	0.2694	0.3343	0.3996	0.4653	0.5312	0.5972	0.6634	0.7297	0.7961	0.8625	0.9290	0.9956	1.0622	1.1289	1.1956	21.6
31.1-33.0	34.4- 36.6	0.0904	0.1599	0.2313	0.3040	0.3774	0.4514	0.5257	0.6003	0.6751	0.7501	0.8252	0.9004	0.9757	1.0511	1.1266	1.2021	1.2777	1.3533	22.2
33.1-35.0	36.7- 38.9	0.1009	0.1786	0.2586	0.3400	0.4223	0.5052	0.5886	0.6724	0.7563	0.8405	0.9249	1.0094	1.0940	1.1787	1.2634	1.3483	1.4332	1.5182	22.6
35.1-37.0	39.0- 41.1	0.1119	0.1981	0.2869	0.3773	0.4689	0.5612	0.6540	0.7473	0.8408	0.9346	1.0286	1.1227	1.2170	1.3114	1.4060	1.5005	1.5952	1.6900	23.1
37.1-39.0	41.3- 43.4	0.1232	0.2182	0.3161	0.4160	0.5171	0.6191	0.7218	0.8249	0.9284	1.0322	1.1362	1.2404	1.3448	1.4493	1.5539	1.6587	1.7635	1.8684	23.4
39.1-41.0	43.5- 45.7	0.1350	0.2391	0.3464	0.4559	0.5669	0.6790	0.7918	0.9051	1.0189	1.1331	1.2475	1.3621	1.4770	1.5920	1.7071	1.8224	1.9378	2.0532	23.7
41.1-43.0	45.8- 48.0	0.1472	0.2606	0.3776	0.4971	0.6183	0.7407	0.8640	0.9879	1.1124	1.2372	1.3624	1.4878	1.6135	1.7394	1.8654	1.9916	2.1179	2.2443	24.0
43.1-45.0	48.1- 50.3	0.1598	0.2827	0.4097	0.5394	0.6711	0.8042	0.9382	1.0731	1.2085	1.3444	1.4807	1.6173	1.7542	1.8912	2.0285	2.1659	2.3035	2.4412	24.3
45.1-47.0	50.4- 52.6	0.1728	0.3056	0.4426	0.5829	0.7253	0.8693	1.0145	1.1606	1.3073	1.4546	1.6023	1.7504	1.8987	2.0474	2.1962	2.3453	2.4945	2.6438	24.5
47.1-49.0	52.7- 54.8	0.1863	0.3290	0.4765	0.6275	0.7809	0.9361	1.0927	1.2503	1.4086	1.5676	1.7270	1.8869	2.0471	2.2076	2.3684	2.5293	2.6905	2.8518	24.7
49.1-51.0	55.0- 57.1	0.2001	0.3532	0.5112	0.6731	0.8378	1.0045	1.1727	1.3421	1.5123	1.6832	1.8547	2.0267	2.1991	2.3718	2.5448	2.7180	2.8914	3.0651	24.9
51.1-53.0	57.3- 59.4	0.2144	0.3779	0.5468	0.7198	0.8960	1.0744	1.2545	1.4359	1.6183	1.8014	1.9853	2.1697	2.3545	2.5397	2.7252	2.9110	3.0970	3.2832	25.0
53.1-55.0	59.6- 61.7	0.2292	0.4034	0.5831	0.7675	0.9553	1.1457	1.3379	1.5316	1.7264	1.9221	2.1186	2.3156	2.5131	2.7111	2.9094	3.1081	3.3070	3.5061	25.2
55.1-57.0	61.9- 64.0	0.2444	0.4294	0.6203	0.8162	1.0159	1.2184	1.4230	1.6292	1.8366	2.0451	2.2544	2.4644	2.6749	2.8859	3.0973	3.3091	3.5212	3.7335	25.3
57.1-59.0	64.2- 66.3	0.2600	0.4561	0.6582	0.8658	1.0776	1.2924	1.5095	1.7285	1.9488	2.1703	2.3927	2.6159	2.8396	3.0639	3.2887	3.5139	3.7394	3.9652	25.4
59.1-61.0	66.5- 68.7	0.2762	0.4834	0.6970	0.9164	1.1403	1.3677	1.5976	1.8295	2.0629	2.2976	2.5333	2.7699	3.0072	3.2450	3.4834	3.7222	3.9613	4.2009	25.5
61.1-63.0	68.8- 71.0	0.2928	0.5114	0.7365	0.9678	1.2041	1.4442	1.6870	1.9320	2.1788	2.4269	2.6762	2.9264	3.1773	3.4290	3.6812	3.9338	4.1869	4.4404	25.6
63.1-65.0	71.1- 73.3	0.3099	0.5400	0.7767	1.0202	1.2690	1.5218	1.7778	2.0361	2.2963	2.5581	2.8211	3.0852	3.3500	3.6157	3.8819	4.1487	4.4159	4.6836	25.6
65.1-67.0	73.4- 75.6	0.3274	0.5693	0.8177	1.0734	1.3348	1.6006	1.8698	2.1416	2.4155	2.6911	2.9680	3.2461	3.5251	3.8049	4.0854	4.3665	4.6482	4.9302	25.7
67.1-69.0	75.7- 77.9	0.3455	0.5991	0.8595	1.1274	1.4015	1.6804	1.9630	2.2485	2.5362	2.8258	3.1168	3.4091	3.7024	3.9967	4.2916	4.5872	4.8834	5.1801	25.7
69.1-71.0	78.0- 80.2	0.3641	0.6297	0.9020	1.1823	1.4692	1.7613	2.0574	2.3567	2.6584	2.9620	3.2674	3.5741	3.8819	4.1907	4.5003	4.8106	5.1215	5.4330	25.8
71.1-73.0	80.4- 82.6	0.3832	0.6609	0.9452	1.2379	1.5378	1.8432	2.1529	2.4661	2.7819	3.0998	3.4196	3.7408	4.0633	4.3868	4.7112	5.0364	5.3623	5.6888	25.8
73.1-75.0	82.7- 84.9	0.4028	0.6927	0.9891	1.2944	1.6072	1.9260	2.2495	2.5766	2.9067	3.2391	3.5734	3.9093	4.2466	4.5850	4.9244	5.2646	5.6056	5.9472	25.9
75.1-77.0	85.0- 87.2	0.4230	0.7253	1.0337	1.3516	1.6775	2.0098	2.3471	2.6883	3.0327	3.3796	3.7286	4.0794	4.4316	4.7851	5.1396	5.4950	5.8513	6.2082	25.9
77.1-79.0	87.3- 89.5	0.4438	0.7585	1.0791	1.4096	1.7486	2.0944	2.4456	2.8010	3.1598	3.5214	3.8853	4.2510	4.6183	4.9869	5.3567	5.7275	6.0991	6.4716	25.9
79.1-81.0	89.7- 91.9	0.4651	0.7923	1.1252	1.4683	1.8204	2.1799	2.5450	2.9147	3.2881	3.6644	4.0432	4.4240	4.8065	5.1904	5.5756	5.9618	6.3490	6.7371	26.0

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 25. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 1, 2, 3, 5, 12, 13, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.9- 10.1	0.0025	0.0044	0.0063	0.0081	0.0100	0.0118	0.0136	0.0155	0.0173	0.0191	0.0210	0.0228	0.0246	0.0265	0.0283	0.0301	0.0320	0.0338	9.1
9.1-11.0	10.2- 12.4	0.0077	0.0138	0.0201	0.0265	0.0330	0.0395	0.0460	0.0525	0.0591	0.0657	0.0722	0.0788	0.0854	0.0920	0.0985	0.1051	0.1117	0.1183	11.0
11.1-13.0	12.5- 14.7	0.0126	0.0224	0.0324	0.0425	0.0528	0.0630	0.0733	0.0837	0.0940	0.1044	0.1147	0.1251	0.1355	0.1459	0.1563	0.1667	0.1771	0.1875	12.8
13.1-15.0	14.8- 16.9	0.0176	0.0311	0.0450	0.0590	0.0732	0.0874	0.1017	0.1160	0.1304	0.1447	0.1591	0.1735	0.1879	0.2023	0.2167	0.2311	0.2455	0.2600	14.5
15.1-17.0	17.1- 19.2	0.0228	0.0404	0.0584	0.0767	0.0951	0.1137	0.1323	0.1510	0.1697	0.1884	0.2072	0.2260	0.2448	0.2636	0.2824	0.3012	0.3200	0.3389	15.9
17.1-19.0	19.3- 21.4	0.0284	0.0503	0.0728	0.0957	0.1189	0.1421	0.1655	0.1889	0.2124	0.2359	0.2595	0.2831	0.3067	0.3304	0.3540	0.3777	0.4013	0.4250	17.2
19.1-21.0	21.5- 23.6	0.0343	0.0609	0.0883	0.1162	0.1444	0.1728	0.2013	0.2300	0.2587	0.2874	0.3162	0.3451	0.3739	0.4028	0.4318	0.4607	0.4897	0.5187	18.3
21.1-23.0	23.8- 25.9	0.0407	0.0723	0.1049	0.1382	0.1718	0.2058	0.2399	0.2741	0.3084	0.3429	0.3773	0.4119	0.4465	0.4811	0.5157	0.5504	0.5851	0.6198	19.2
23.1-25.0	26.0- 28.0	0.0475	0.0844	0.1226	0.1616	0.2011	0.2410	0.2811	0.3213	0.3617	0.4022	0.4428	0.4835	0.5242	0.5650	0.6058	0.6467	0.6876	0.7285	20.1
25.1-27.0	28.2- 30.2	0.0547	0.0973	0.1415	0.1865	0.2323	0.2784	0.3249	0.3716	0.4185	0.4656	0.5127	0.5599	0.6073	0.6546	0.7021	0.7495	0.7971	0.8446	20.8
27.1-29.0	30.3- 32.4	0.0625	0.1111	0.1614	0.2129	0.2652	0.3181	0.3714	0.4250	0.4788	0.5328	0.5869	0.6411	0.6955	0.7499	0.8044	0.8589	0.9135	0.9682	21.4
29.1-31.0	32.5- 34.5	0.0707	0.1256	0.1825	0.2408	0.3001	0.3600	0.4205	0.4813	0.5425	0.6038	0.6653	0.7270	0.7888	0.8507	0.9127	0.9748	1.0369	1.0991	22.0
31.1-33.0	34.7- 36.7	0.0794	0.1409	0.2047	0.2701	0.3367	0.4042	0.4722	0.5407	0.6096	0.6787	0.7480	0.8176	0.8873	0.9571	1.0270	1.0971	1.1672	1.2373	22.4
33.1-35.0	36.8- 38.8	0.0887	0.1572	0.2281	0.3010	0.3752	0.4505	0.5265	0.6030	0.6800	0.7574	0.8350	0.9128	0.9908	1.0690	1.1473	1.2257	1.3042	1.3828	22.8
35.1-37.0	38.9- 40.9	0.0986	0.1743	0.2527	0.3333	0.4156	0.4990	0.5834	0.6684	0.7539	0.8398	0.9261	1.0126	1.0994	1.1863	1.2734	1.3607	1.4481	1.5355	23.2
37.1-39.0	41.0- 43.0	0.1091	0.1923	0.2785	0.3672	0.4578	0.5498	0.6428	0.7367	0.8311	0.9260	1.0214	1.1170	1.2129	1.3091	1.4055	1.5020	1.5986	1.6954	23.5
39.1-41.0	43.1- 45.1	0.1202	0.2113	0.3056	0.4027	0.5019	0.6028	0.7049	0.8079	0.9117	1.0160	1.1208	1.2260	1.3315	1.4373	1.5433	1.6495	1.7559	1.8624	23.7
41.1-43.0	45.2- 47.2	0.1320	0.2313	0.3339	0.4397	0.5479	0.6580	0.7695	0.8821	0.9956	1.1097	1.2244	1.3395	1.4550	1.5708	1.6869	1.8033	1.9198	2.0365	24.0
43.1-45.0	47.3- 49.3	0.1445	0.2523	0.3636	0.4783	0.5959	0.7155	0.8368	0.9593	1.0828	1.2071	1.3320	1.4575	1.5834	1.7097	1.8363	1.9632	2.0904	2.2177	24.1
45.1-47.0	49.4- 51.3	0.1578	0.2745	0.3946	0.5186	0.6457	0.7753	0.9066	1.0394	1.1734	1.3082	1.4439	1.5801	1.7168	1.8540	1.9915	2.1294	2.2675	2.4059	24.3
47.1-49.0	51.4- 53.3	0.1719	0.2977	0.4270	0.5606	0.6976	0.8373	0.9791	1.1226	1.2673	1.4131	1.5598	1.7072	1.8551	2.0036	2.1525	2.3017	2.4513	2.6011	24.4
49.1-51.0	53.4- 55.4	0.1868	0.3221	0.4609	0.6042	0.7514	0.9017	1.0542	1.2087	1.3646	1.5217	1.6798	1.8387	1.9983	2.1585	2.3191	2.4802	2.6416	2.8034	24.6
51.1-53.0	55.5- 57.4	0.2026	0.3477	0.4962	0.6496	0.8073	0.9684	1.1320	1.2978	1.4653	1.6341	1.8040	1.9749	2.1465	2.3187	2.4916	2.6649	2.8386	3.0127	24.7
53.1-55.0	57.5- 59.4	0.2194	0.3746	0.5331	0.6968	0.8653	1.0374	1.2125	1.3900	1.5693	1.7502	1.9323	2.1155	2.2995	2.4843	2.6697	2.8556	3.0421	3.2289	24.7
55.1-57.0	59.5- 61.3	0.2371	0.4029	0.5715	0.7459	0.9253	1.1089	1.2958	1.4852	1.6768	1.8701	2.0648	2.2607	2.4575	2.6552	2.8536	3.0526	3.2521	3.4521	24.8
57.1-59.0	61.4- 63.3	0.2559	0.4325	0.6116	0.7968	0.9876	1.1828	1.3818	1.5836	1.7877	1.9938	2.2014	2.4104	2.6204	2.8314	3.0432	3.2557	3.4688	3.6824	24.9
59.1-61.0	63.4- 65.3	0.2758	0.4636	0.6534	0.8497	1.0520	1.2593	1.4705	1.6850	1.9021	2.1213	2.3422	2.5646	2.7883	3.0130	3.2386	3.4649	3.6920	3.9196	24.9
61.1-63.0	65.4- 67.2	0.2968	0.4961	0.6970	0.9046	1.1187	1.3382	1.5621	1.7896	2.0199	2.2526	2.4872	2.7235	2.9611	3.1999	3.4397	3.6803	3.9217	4.1638	25.0
63.1-65.0	67.3- 69.1	0.3191	0.5303	0.7423	0.9615	1.1876	1.4197	1.6566	1.8974	2.1413	2.3878	2.6365	2.8869	3.1389	3.3922	3.6466	3.9019	4.1581	4.4150	25.0
65.1-67.0	69.2- 71.1	0.3427	0.5661	0.7895	1.0205	1.2590	1.5039	1.7540	2.0084	2.2662	2.5269	2.7900	3.0550	3.3217	3.5899	3.8593	4.1297	4.4011	4.6733	25.1
67.1-69.0	71.2- 73.0	0.3676	0.6036	0.8387	1.0816	1.3327	1.5907	1.8543	2.1226	2.3947	2.6699	2.9477	3.2277	3.5096	3.7930	4.0778	4.3637	4.6507	4.9386	25.1
69.1-71.0	73.1- 74.8	0.3940	0.6429	0.8899	1.1450	1.4089	1.6802	1.9577	2.2402	2.5268	2.8169	3.1098	3.4051	3.7025	4.0015	4.3021	4.6039	4.9069	5.2109	25.1
71.1-73.0	74.9- 76.7	0.4219	0.6841	0.9432	1.2107	1.4876	1.7725	2.0641	2.3611	2.6626	2.9679	3.2762	3.5872	3.9004	4.2155	4.5323	4.8504	5.1698	5.4903	25.1
73.1-75.0	76.8- 78.6	0.4514	0.7273	0.9986	1.2788	1.5689	1.8676	2.1735	2.4854	2.8021	3.1229	3.4471	3.7741	4.1035	4.4350	4.7683	5.1032	5.4394	5.7768	25.1
75.1-77.0	78.7- 80.4	0.4825	0.7724	1.0563	1.3493	1.6528	1.9656	2.2862	2.6131	2.9454	3.2820	3.6223	3.9657	4.3117	4.6601	5.0103	5.3623	5.7157	6.0705	25.2
77.1-79.0	80.5- 82.3	0.5155	0.8198	1.1162	1.4223	1.7394	2.0666	2.4020	2.7444	3.0924	3.4452	3.8020	4.1622	4.5252	4.8906	5.2582	5.6277	5.9987	6.3712	25.2
79.1-81.0	82.4- 84.1	0.5503	0.8693	1.1786	1.4978	1.8289	2.1706	2.5212	2.8792	3.2434	3.6126	3.9862	4.3635	4.7438	5.1268	5.5121	5.8995	6.2886	6.6792	25.2

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 26. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 1, 2, 3, 5, 12, 13, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.5- 14.7	0.0061	0.0106	0.0152	0.0197	0.0242	0.0287	0.0333	0.0378	0.0424	0.0469	0.0515	0.0561	0.0606	0.0652	0.0698	0.0744	0.0789	0.0835	12.8
13.1-15.0	14.8- 16.9	0.0124	0.0224	0.0328	0.0436	0.0545	0.0656	0.0768	0.0880	0.0993	0.1106	0.1220	0.1333	0.1447	0.1561	0.1676	0.1790	0.1904	0.2019	14.5
15.1-17.0	17.1- 19.2	0.0186	0.0335	0.0492	0.0652	0.0815	0.0979	0.1144	0.1310	0.1477	0.1644	0.1811	0.1978	0.2146	0.2314	0.2482	0.2650	0.2818	0.2986	15.9
17.1-19.0	19.3- 21.4	0.0248	0.0446	0.0653	0.0865	0.1079	0.1296	0.1513	0.1732	0.1951	0.2171	0.2391	0.2611	0.2832	0.3053	0.3274	0.3495	0.3716	0.3938	17.2
19.1-21.0	21.5- 23.6	0.0312	0.0560	0.0819	0.1084	0.1352	0.1622	0.1895	0.2168	0.2442	0.2717	0.2993	0.3268	0.3545	0.3821	0.4098	0.4375	0.4652	0.4929	18.3
21.1-23.0	23.8- 25.9	0.0378	0.0679	0.0992	0.1313	0.1638	0.1966	0.2295	0.2627	0.2960	0.3293	0.3627	0.3962	0.4297	0.4633	0.4969	0.5305	0.5641	0.5978	19.2
23.1-25.0	26.0- 28.0	0.0449	0.0805	0.1175	0.1554	0.1939	0.2327	0.2719	0.3112	0.3507	0.3902	0.4299	0.4697	0.5095	0.5493	0.5892	0.6292	0.6692	0.7092	20.1
25.1-27.0	28.2- 30.2	0.0523	0.0937	0.1367	0.1808	0.2257	0.2709	0.3166	0.3625	0.4085	0.4547	0.5011	0.5475	0.5940	0.6406	0.6872	0.7339	0.7806	0.8274	20.8
27.1-29.0	30.3- 32.4	0.0602	0.1076	0.1570	0.2076	0.2591	0.3112	0.3637	0.4166	0.4696	0.5229	0.5763	0.6298	0.6834	0.7371	0.7909	0.8447	0.8986	0.9525	21.4
29.1-31.0	32.5- 34.5	0.0685	0.1223	0.1783	0.2358	0.2944	0.3536	0.4134	0.4735	0.5340	0.5947	0.6555	0.7166	0.7777	0.8390	0.9003	0.9617	1.0232	1.0848	22.0
31.1-33.0	34.7- 36.7	0.0774	0.1379	0.2008	0.2654	0.3313	0.3981	0.4655	0.5334	0.6016	0.6702	0.7389	0.8079	0.8770	0.9462	1.0155	1.0850	1.1545	1.2241	22.4
33.1-35.0	36.8- 38.8	0.0868	0.1542	0.2244	0.2965	0.3701	0.4448	0.5202	0.5961	0.6726	0.7493	0.8264	0.9037	0.9812	1.0588	1.1365	1.2144	1.2924	1.3705	22.8
35.1-37.0	38.9- 40.9	0.0967	0.1714	0.2491	0.3291	0.4107	0.4936	0.5774	0.6618	0.7468	0.8322	0.9180	1.0040	1.0903	1.1767	1.2633	1.3501	1.4370	1.5239	23.2
37.1-39.0	41.0- 43.0	0.1073	0.1896	0.2750	0.3631	0.4531	0.5446	0.6371	0.7304	0.8244	0.9188	1.0137	1.1088	1.2043	1.3000	1.3959	1.4919	1.5881	1.6845	23.5
39.1-41.0	43.1- 45.1	0.1185	0.2087	0.3022	0.3987	0.4974	0.5978	0.6994	0.8019	0.9052	1.0091	1.1134	1.2182	1.3233	1.4286	1.5342	1.6400	1.7459	1.8520	23.7
41.1-43.0	45.2- 47.2	0.1303	0.2288	0.3307	0.4359	0.5436	0.6532	0.7642	0.8763	0.9893	1.1030	1.2173	1.3320	1.4471	1.5625	1.6782	1.7942	1.9103	2.0266	24.0
43.1-45.0	47.3- 49.3	0.1429	0.2499	0.3604	0.4746	0.5916	0.7108	0.8316	0.9537	1.0768	1.2007	1.3252	1.4503	1.5759	1.7018	1.8280	1.9545	2.0813	2.2082	24.1
45.1-47.0	49.4- 51.3	0.1562	0.2720	0.3915	0.5150	0.6416	0.7707	0.9016	1.0340	1.1676	1.3020	1.4373	1.5731	1.7095	1.8463	1.9835	2.1210	2.2588	2.3968	24.3
47.1-49.0	51.4- 53.3	0.1704	0.2953	0.4240	0.5570	0.6935	0.8328	0.9742	1.1173	1.2617	1.4071	1.5534	1.7004	1.8480	1.9962	2.1447	2.2936	2.4429	2.5924	24.4
49.1-51.0	53.4- 55.4	0.1853	0.3198	0.4579	0.6007	0.7475	0.8973	1.0495	1.2035	1.3591	1.5159	1.6736	1.8322	1.9915	2.1513	2.3116	2.4724	2.6335	2.7949	24.6
51.1-53.0	55.5- 57.4	0.2012	0.3455	0.4933	0.6462	0.8034	0.9640	1.1274	1.2928	1.4599	1.6284	1.7980	1.9685	2.1398	2.3117	2.4843	2.6573	2.8307	3.0045	24.7
53.1-55.0	57.5- 59.4	0.2179	0.3724	0.5302	0.6935	0.8614	1.0332	1.2079	1.3851	1.5641	1.7446	1.9264	2.1093	2.2930	2.4775	2.6626	2.8483	3.0344	3.2209	24.7
55.1-57.0	59.5- 61.3	0.2357	0.4007	0.5687	0.7426	0.9216	1.1048	1.2913	1.4804	1.6716	1.8646	2.0590	2.2546	2.4511	2.6485	2.8466	3.0454	3.2447	3.4444	24.8
57.1-59.0	61.4- 63.3	0.2545	0.4303	0.6089	0.7935	0.9839	1.1787	1.3773	1.5788	1.7826	1.9884	2.1957	2.4044	2.6142	2.8249	3.0364	3.2486	3.4615	3.6748	24.9
59.1-61.0	63.4- 65.3	0.2744	0.4614	0.6507	0.8465	1.0483	1.2552	1.4661	1.6803	1.8971	2.1160	2.3366	2.5588	2.7822	3.0066	3.2319	3.4580	3.6848	3.9122	24.9
61.1-63.0	65.4- 67.2	0.2955	0.4941	0.6943	0.9013	1.1150	1.3342	1.5578	1.7850	2.0150	2.2474	2.4817	2.7177	2.9551	3.1936	3.4332	3.6736	3.9148	4.1566	25.0
63.1-65.0	67.3- 69.1	0.3178	0.5282	0.7396	0.9583	1.1840	1.4158	1.6523	1.8928	2.1364	2.3827	2.6311	2.8813	3.1330	3.3860	3.6402	3.8953	4.1513	4.4079	25.0
65.1-67.0	69.2- 71.1	0.3414	0.5641	0.7869	1.0173	1.2554	1.4999	1.7497	2.0038	2.2614	2.5218	2.7846	3.0494	3.3159	3.5838	3.8530	4.1232	4.3943	4.6663	25.1
67.1-69.0	71.2- 73.0	0.3664	0.6016	0.8361	1.0785	1.3292	1.5868	1.8501	2.1181	2.3899	2.6649	2.9424	3.2222	3.5038	3.7870	4.0715	4.3573	4.6440	4.9317	25.1
69.1-71.0	73.1- 74.8	0.3928	0.6409	0.8873	1.1419	1.4054	1.6763	1.9535	2.2357	2.5221	2.8119	3.1046	3.3996	3.6968	3.9956	4.2959	4.5976	4.9004	5.2041	25.1
71.1-73.0	74.9- 76.7	0.4207	0.6822	0.9406	1.2077	1.4841	1.7686	2.0599	2.3567	2.6579	2.9629	3.2711	3.5818	3.8948	4.2097	4.5262	4.8442	5.1634	5.4836	25.1
73.1-75.0	76.8- 78.6	0.4502	0.7253	0.9960	1.2757	1.5654	1.8638	2.1694	2.4810	2.7975	3.1180	3.4419	3.7687	4.0979	4.4292	4.7623	5.0970	5.4330	5.7702	25.1
75.1-77.0	78.7- 80.4	0.4814	0.7705	1.0537	1.3462	1.6493	1.9618	2.2821	2.6088	2.9407	3.2771	3.6172	3.9604	4.3062	4.6543	5.0044	5.3561	5.7094	6.0639	25.2
77.1-79.0	80.5- 82.3	0.5143	0.8179	1.1137	1.4192	1.7360	2.0628	2.3979	2.7400	3.0878	3.4404	3.7969	4.1568	4.5196	4.8849	5.2523	5.6216	5.9925	6.3648	25.2
79.1-81.0	82.4- 84.1	0.5492	0.8674	1.1761	1.4948	1.8254	2.1668	2.5171	2.8748	3.2387	3.6078	3.9812	4.3582	4.7383	5.1211	5.5063	5.8934	6.2823	6.6728	25.2

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 27. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: 1, 2, 3, 5, 12, 13, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.5- 14.7	0.0033	0.0053	0.0072	0.0088	0.0104	0.0120	0.0135	0.0150	0.0165	0.0180	0.0195	0.0210	0.0225	0.0239	0.0254	0.0269	0.0284	0.0299	12.8
13.1-15.0	14.8- 16.9	0.0098	0.0173	0.0251	0.0330	0.0410	0.0492	0.0574	0.0657	0.0740	0.0823	0.0907	0.0992	0.1076	0.1161	0.1246	0.1331	0.1416	0.1501	14.5
15.1-17.0	17.1- 19.2	0.0164	0.0296	0.0434	0.0577	0.0723	0.0871	0.1020	0.1170	0.1320	0.1472	0.1623	0.1775	0.1928	0.2080	0.2233	0.2385	0.2538	0.2691	15.9
17.1-19.0	19.3- 21.4	0.0229	0.0414	0.0608	0.0808	0.1011	0.1216	0.1423	0.1630	0.1839	0.2048	0.2258	0.2467	0.2678	0.2888	0.3099	0.3310	0.3521	0.3732	17.2
19.1-21.0	21.5- 23.6	0.0295	0.0533	0.0782	0.1037	0.1297	0.1559	0.1823	0.2088	0.2354	0.2621	0.2888	0.3156	0.3424	0.3693	0.3961	0.4230	0.4500	0.4769	18.3
21.1-23.0	23.8- 25.9	0.0364	0.0656	0.0961	0.1274	0.1591	0.1912	0.2235	0.2560	0.2886	0.3213	0.3540	0.3869	0.4197	0.4526	0.4856	0.5186	0.5516	0.5846	19.2
23.1-25.0	26.0- 28.0	0.0436	0.0784	0.1147	0.1520	0.1898	0.2281	0.2666	0.3054	0.3443	0.3833	0.4225	0.4617	0.5009	0.5402	0.5796	0.6190	0.6584	0.6979	20.1
25.1-27.0	28.2- 30.2	0.0511	0.0918	0.1342	0.1777	0.2220	0.2668	0.3119	0.3573	0.4029	0.4486	0.4945	0.5404	0.5865	0.6326	0.6787	0.7249	0.7712	0.8175	20.8
27.1-29.0	30.3- 32.4	0.0591	0.1059	0.1547	0.2048	0.2558	0.3075	0.3595	0.4119	0.4645	0.5174	0.5703	0.6234	0.6766	0.7299	0.7833	0.8367	0.8902	0.9437	21.4
29.1-31.0	32.5- 34.5	0.0675	0.1207	0.1762	0.2332	0.2913	0.3501	0.4095	0.4693	0.5293	0.5896	0.6501	0.7108	0.7716	0.8324	0.8934	0.9545	1.0156	1.0768	22.0
31.1-33.0	34.7- 36.7	0.0764	0.1363	0.1988	0.2630	0.3285	0.3949	0.4619	0.5294	0.5973	0.6655	0.7339	0.8025	0.8713	0.9402	1.0092	1.0783	1.1475	1.2167	22.4
33.1-35.0	36.8- 38.8	0.0858	0.1528	0.2224	0.2942	0.3674	0.4417	0.5168	0.5925	0.6686	0.7450	0.8218	0.8987	0.9759	1.0532	1.1307	1.2082	1.2859	1.3637	22.8
35.1-37.0	38.9- 40.9	0.0958	0.1701	0.2473	0.3269	0.4082	0.4907	0.5742	0.6583	0.7430	0.8282	0.9136	0.9994	1.0853	1.1715	1.2578	1.3443	1.4309	1.5176	23.2
37.1-39.0	41.0- 43.0	0.1064	0.1883	0.2733	0.3610	0.4507	0.5419	0.6341	0.7271	0.8208	0.9150	1.0095	1.1045	1.1997	1.2951	1.3907	1.4865	1.5825	1.6785	23.5
39.1-41.0	43.1- 45.1	0.1177	0.2074	0.3006	0.3967	0.4951	0.5952	0.6965	0.7988	0.9018	1.0054	1.1095	1.2140	1.3189	1.4240	1.5293	1.6348	1.7406	1.8464	23.7
41.1-43.0	45.2- 47.2	0.1296	0.2275	0.3291	0.4339	0.5413	0.6507	0.7614	0.8733	0.9861	1.0995	1.2136	1.3281	1.4429	1.5581	1.6736	1.7893	1.9052	2.0213	24.0
43.1-45.0	47.3- 49.3	0.1422	0.2487	0.3589	0.4727	0.5895	0.7084	0.8289	0.9508	1.0737	1.1973	1.3217	1.4465	1.5719	1.6976	1.8236	1.9499	2.0764	2.2032	24.1
45.1-47.0	49.4- 51.3	0.1555	0.2709	0.3900	0.5132	0.6395	0.7683	0.8990	1.0312	1.1646	1.2988	1.4338	1.5695	1.7057	1.8423	1.9793	2.1166	2.2541	2.3920	24.3
47.1-49.0	51.4- 53.3	0.1697	0.2942	0.4225	0.5552	0.6915	0.8305	0.9717	1.1146	1.2587	1.4040	1.5501	1.6969	1.8443	1.9923	2.1406	2.2894	2.4384	2.5877	24.4
49.1-51.0	53.4- 55.4	0.1846	0.3187	0.4565	0.5990	0.7455	0.8951	1.0470	1.2009	1.3563	1.5129	1.6704	1.8288	1.9879	2.1476	2.3077	2.4683	2.6292	2.7905	24.6
51.1-53.0	55.5- 57.4	0.2005	0.3444	0.4919	0.6445	0.8015	0.9619	1.1250	1.2902	1.4572	1.6254	1.7949	1.9652	2.1363	2.3081	2.4805	2.6533	2.8265	3.0002	24.7
53.1-55.0	57.5- 59.4	0.2173	0.3714	0.5289	0.6918	0.8596	1.0311	1.2056	1.3826	1.5614	1.7418	1.9234	2.1061	2.2897	2.4740	2.6589	2.8444	3.0304	3.2168	24.7
55.1-57.0	59.5- 61.3	0.2351	0.3997	0.5674	0.7410	0.9197	1.1027	1.2890	1.4780	1.6690	1.8618	2.0561	2.2515	2.4479	2.6451	2.8431	3.0416	3.2408	3.4404	24.8
57.1-59.0	61.4- 63.3	0.2539	0.4294	0.6076	0.7920	0.9820	1.1767	1.3751	1.5764	1.7801	1.9857	2.1929	2.4014	2.6110	2.8216	3.0329	3.2450	3.4577	3.6709	24.9
59.1-61.0	63.4- 65.3	0.2739	0.4605	0.6494	0.8449	1.0465	1.2532	1.4640	1.6780	1.8946	2.1133	2.3338	2.5558	2.7790	3.0033	3.2285	3.4545	3.6811	3.9084	24.9
61.1-63.0	65.4- 67.2	0.2949	0.4931	0.6930	0.8998	1.1133	1.3323	1.5557	1.7827	2.0125	2.2448	2.4790	2.7148	2.9520	3.1904	3.4298	3.6701	3.9112	4.1529	25.0
63.1-65.0	67.3- 69.1	0.3173	0.5273	0.7384	0.9568	1.1823	1.4138	1.6502	1.8905	2.1340	2.3801	2.6283	2.8784	3.1300	3.3829	3.6369	3.8919	4.1477	4.4043	25.0
65.1-67.0	69.2- 71.1	0.3409	0.5631	0.7857	1.0158	1.2537	1.4980	1.7477	2.0016	2.2590	2.5193	2.7819	3.0466	3.3130	3.5807	3.8498	4.1199	4.3909	4.6628	25.1
67.1-69.0	71.2- 73.0	0.3658	0.6007	0.8349	1.0771	1.3275	1.5849	1.8481	2.1159	2.3876	2.6624	2.9398	3.2194	3.5009	3.7840	4.0684	4.3540	4.6407	4.9282	25.1
69.1-71.0	73.1- 74.8	0.3922	0.6401	0.8861	1.1405	1.4037	1.6745	1.9515	2.2335	2.5198	2.8095	3.1020	3.3969	3.6939	3.9926	4.2929	4.5944	4.8971	5.2007	25.1
71.1-73.0	74.9- 76.7	0.4202	0.6813	0.9394	1.2062	1.4824	1.7668	2.0579	2.3545	2.6556	2.9605	3.2685	3.5791	3.8920	4.2067	4.5232	4.8410	5.1601	5.4803	25.1
73.1-75.0	76.8- 78.6	0.4497	0.7245	0.9949	1.2743	1.5638	1.8620	2.1674	2.4789	2.7952	3.1156	3.4394	3.7661	4.0952	4.4263	4.7593	5.0939	5.4298	5.7669	25.1
75.1-77.0	78.7- 80.4	0.4809	0.7697	1.0526	1.3448	1.6477	1.9600	2.2801	2.6066	2.9385	3.2747	3.6147	3.9577	4.3035	4.6514	5.0014	5.3530	5.7062	6.0607	25.2
77.1-79.0	80.5- 82.3	0.5138	0.8170	1.1126	1.4178	1.7344	2.0610	2.3960	2.7379	3.0856	3.4380	3.7944	4.1543	4.5169	4.8821	5.2494	5.6185	5.9893	6.3615	25.2
79.1-81.0	82.4- 84.1	0.5487	0.8666	1.1750	1.4934	1.8239	2.1650	2.5151	2.8727	3.2365	3.6055	3.9787	4.3556	4.7356	5.1183	5.5034	5.8904	6.2792	6.6696	25.2

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 31. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.5- 9.6	0.0024	0.0042	0.0059	0.0077	0.0094	0.0111	0.0128	0.0146	0.0163	0.0180	0.0197	0.0215	0.0232	0.0249	0.0266	0.0284	0.0301	0.0318	8.9
9.1-11.0	9.7- 11.8	0.0083	0.0147	0.0212	0.0278	0.0344	0.0410	0.0477	0.0544	0.0611	0.0677	0.0744	0.0812	0.0879	0.0946	0.1013	0.1080	0.1147	0.1215	10.7
11.1-13.0	12.0- 14.1	0.0137	0.0240	0.0344	0.0449	0.0555	0.0662	0.0768	0.0875	0.0982	0.1089	0.1196	0.1303	0.1410	0.1518	0.1625	0.1732	0.1840	0.1947	12.4
13.1-15.0	14.2- 16.3	0.0193	0.0337	0.0483	0.0631	0.0780	0.0929	0.1078	0.1228	0.1378	0.1529	0.1679	0.1830	0.1981	0.2131	0.2282	0.2433	0.2584	0.2735	13.9
15.1-17.0	16.4- 18.5	0.0253	0.0441	0.0634	0.0829	0.1024	0.1221	0.1419	0.1616	0.1814	0.2013	0.2211	0.2410	0.2609	0.2808	0.3007	0.3207	0.3406	0.3606	15.3
17.1-19.0	18.7- 20.8	0.0317	0.0554	0.0798	0.1044	0.1292	0.1541	0.1791	0.2042	0.2293	0.2544	0.2796	0.3048	0.3300	0.3553	0.3806	0.4058	0.4311	0.4565	16.7
19.1-21.0	20.9- 23.0	0.0385	0.0676	0.0974	0.1277	0.1582	0.1888	0.2196	0.2504	0.2814	0.3123	0.3434	0.3744	0.4055	0.4366	0.4678	0.4989	0.5301	0.5613	17.9
21.1-23.0	23.2- 25.3	0.0458	0.0807	0.1164	0.1527	0.1894	0.2263	0.2633	0.3004	0.3377	0.3750	0.4124	0.4498	0.4872	0.5247	0.5623	0.5998	0.6374	0.6750	19.0
23.1-25.0	25.4- 27.6	0.0536	0.0946	0.1367	0.1795	0.2228	0.2663	0.3101	0.3540	0.3981	0.4423	0.4865	0.5308	0.5751	0.6195	0.6640	0.7084	0.7529	0.7975	20.0
25.1-27.0	27.7- 29.9	0.0619	0.1094	0.1582	0.2080	0.2583	0.3090	0.3600	0.4112	0.4626	0.5140	0.5656	0.6173	0.6690	0.7208	0.7727	0.8246	0.8765	0.9285	20.9
27.1-29.0	30.0- 32.2	0.0707	0.1250	0.1810	0.2381	0.2959	0.3542	0.4129	0.4718	0.5309	0.5902	0.6497	0.7092	0.7688	0.8285	0.8883	0.9481	1.0079	1.0678	21.8
29.1-31.0	32.3- 34.4	0.0799	0.1414	0.2050	0.2698	0.3355	0.4019	0.4687	0.5358	0.6031	0.6707	0.7384	0.8063	0.8743	0.9424	1.0105	1.0787	1.1470	1.2154	22.5
31.1-33.0	34.6- 36.8	0.0897	0.1587	0.2301	0.3031	0.3771	0.4519	0.5273	0.6030	0.6790	0.7553	0.8318	0.9085	0.9853	1.0622	1.1393	1.2164	1.2936	1.3708	23.2
33.1-35.0	36.9- 39.1	0.0999	0.1769	0.2565	0.3379	0.4207	0.5043	0.5886	0.6734	0.7586	0.8440	0.9298	1.0157	1.1018	1.1880	1.2744	1.3608	1.4474	1.5340	23.9
35.1-37.0	39.2- 41.4	0.1107	0.1959	0.2840	0.3743	0.4661	0.5589	0.6526	0.7469	0.8416	0.9367	1.0320	1.1277	1.2235	1.3195	1.4156	1.5119	1.6083	1.7048	24.5
37.1-39.0	41.5- 43.7	0.1220	0.2157	0.3127	0.4121	0.5133	0.6158	0.7192	0.8233	0.9280	1.0331	1.1386	1.2443	1.3503	1.4565	1.5629	1.6695	1.7761	1.8829	25.0
39.1-41.0	43.8- 46.0	0.1339	0.2364	0.3425	0.4514	0.5624	0.6748	0.7884	0.9027	1.0178	1.1333	1.2493	1.3656	1.4822	1.5990	1.7161	1.8333	1.9507	2.0682	25.5
41.1-43.0	46.2- 48.4	0.1463	0.2579	0.3735	0.4922	0.6132	0.7360	0.8600	0.9850	1.1108	1.2371	1.3640	1.4913	1.6189	1.7468	1.8749	2.0032	2.1318	2.2605	25.9
43.1-45.0	48.5- 50.7	0.1594	0.2804	0.4056	0.5344	0.6658	0.7992	0.9341	1.0701	1.2069	1.3445	1.4827	1.6213	1.7603	1.8996	2.0393	2.1792	2.3192	2.4595	26.3
45.1-47.0	50.9- 53.1	0.1730	0.3037	0.4389	0.5780	0.7201	0.8645	1.0105	1.1578	1.3062	1.4553	1.6051	1.7555	1.9063	2.0575	2.2091	2.3609	2.5129	2.6652	26.7
47.1-49.0	53.2- 55.5	0.1873	0.3280	0.4733	0.6231	0.7762	0.9318	1.0893	1.2483	1.4084	1.5695	1.7314	1.8938	2.0568	2.2203	2.3841	2.5482	2.7127	2.8774	27.0
49.1-51.0	55.6- 57.8	0.2022	0.3531	0.5090	0.6695	0.8339	1.0010	1.1703	1.3413	1.5136	1.6870	1.8612	2.0362	2.2117	2.3878	2.5643	2.7411	2.9183	3.0958	27.3
51.1-53.0	58.0- 60.2	0.2178	0.3793	0.5457	0.7174	0.8932	1.0722	1.2536	1.4369	1.6217	1.8077	1.9946	2.1824	2.3709	2.5599	2.7494	2.9394	3.1297	3.3203	27.6
53.1-55.0	60.3- 62.6	0.2341	0.4064	0.5837	0.7667	0.9543	1.1453	1.3391	1.5350	1.7326	1.9315	2.1315	2.3325	2.5342	2.7365	2.9395	3.1429	3.3467	3.5509	27.8
55.1-57.0	62.7- 65.0	0.2512	0.4344	0.6229	0.8174	1.0169	1.2204	1.4268	1.6356	1.8462	2.0584	2.2718	2.4862	2.7015	2.9176	3.1342	3.3514	3.5691	3.7872	28.1
57.1-59.0	65.1- 67.4	0.2690	0.4635	0.6633	0.8695	1.0813	1.2972	1.5166	1.7385	1.9626	2.1883	2.4154	2.6436	2.8729	3.1029	3.3336	3.5650	3.7969	4.0292	28.3
59.1-61.0	67.5- 69.8	0.2876	0.4937	0.7049	0.9231	1.1472	1.3760	1.6085	1.8438	2.0815	2.3211	2.5622	2.8046	3.0480	3.2924	3.5375	3.7834	4.0298	4.2767	28.5
61.1-63.0	70.0- 72.3	0.3070	0.5249	0.7477	0.9780	1.2147	1.4566	1.7024	1.9515	2.2031	2.4568	2.7122	2.9690	3.2269	3.4860	3.7458	4.0065	4.2677	4.5296	28.6
63.1-65.0	72.4- 74.7	0.3272	0.5572	0.7919	1.0344	1.2839	1.5390	1.7985	2.0614	2.3272	2.5953	2.8652	3.1367	3.4096	3.6835	3.9584	4.2342	4.5106	4.7877	28.8
65.1-67.0	74.8- 77.1	0.3483	0.5906	0.8373	1.0922	1.3547	1.6232	1.8965	2.1736	2.4538	2.7365	3.0213	3.3078	3.5957	3.8849	4.1752	4.4663	4.7583	5.0510	28.9
67.1-69.0	77.3- 79.6	0.3704	0.6252	0.8840	1.1515	1.4271	1.7092	1.9966	2.2880	2.5829	2.8805	3.1803	3.4821	3.7854	4.0901	4.3960	4.7029	5.0107	5.3192	29.1
69.1-71.0	79.7- 82.0	0.3934	0.6610	0.9320	1.2123	1.5011	1.7970	2.0986	2.4046	2.7144	3.0271	3.3423	3.6596	3.9786	4.2991	4.6208	4.9437	5.2676	5.5923	29.2
71.1-73.0	82.2- 84.5	0.4173	0.6980	0.9814	1.2745	1.5768	1.8866	2.2026	2.5234	2.8482	3.1763	3.5071	3.8401	4.1750	4.5116	4.8495	5.1887	5.5289	5.8701	29.3
73.1-75.0	84.6- 87.0	0.4423	0.7362	1.0321	1.3382	1.6540	1.9780	2.3085	2.6443	2.9844	3.3281	3.6747	4.0237	4.3748	4.7277	5.0820	5.4378	5.7946	6.1525	29.4
75.1-77.0	87.1- 89.5	0.4684	0.7757	1.0843	1.4034	1.7329	2.0711	2.4164	2.7674	3.1230	3.4824	3.8450	4.2102	4.5777	4.9472	5.3182	5.6908	6.0646	6.4394	29.5
77.1-79.0	89.6- 91.9	0.4956	0.8166	1.1379	1.4702	1.8135	2.1661	2.5262	2.8925	3.2638	3.6391	4.0180	4.3997	4.7838	5.1700	5.5581	5.9476	6.3386	6.7307	29.5
79.1-81.0	92.1- 94.4	0.5239	0.8588	1.1929	1.5385	1.8957	2.2627	2.6379	3.0197	3.4068	3.7983	4.1936	4.5920	4.9930	5.3962	5.8014	6.2083	6.6167	7.0263	29.6

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 32. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.0- 14.1	0.0069	0.0122	0.0176	0.0231	0.0286	0.0342	0.0399	0.0455	0.0512	0.0569	0.0626	0.0683	0.0740	0.0797	0.0855	0.0912	0.0970	0.1027	12.4
13.1-15.0	14.2- 16.3	0.0143	0.0256	0.0373	0.0493	0.0615	0.0737	0.0860	0.0983	0.1107	0.1231	0.1356	0.1480	0.1605	0.1729	0.1854	0.1979	0.2104	0.2229	13.9
15.1-17.0	16.4- 18.5	0.0212	0.0379	0.0551	0.0726	0.0903	0.1081	0.1259	0.1439	0.1618	0.1798	0.1978	0.2159	0.2339	0.2520	0.2701	0.2882	0.3063	0.3244	15.3
17.1-19.0	18.7- 20.8	0.0282	0.0503	0.0730	0.0961	0.1194	0.1428	0.1663	0.1900	0.2136	0.2373	0.2611	0.2848	0.3086	0.3325	0.3563	0.3801	0.4040	0.4279	16.7
19.1-21.0	20.9- 23.0	0.0355	0.0631	0.0916	0.1206	0.1498	0.1793	0.2088	0.2385	0.2682	0.2980	0.3278	0.3577	0.3876	0.4175	0.4475	0.4775	0.5075	0.5375	17.9
21.1-23.0	23.2- 25.3	0.0431	0.0767	0.1113	0.1465	0.1821	0.2179	0.2539	0.2900	0.3262	0.3625	0.3989	0.4353	0.4718	0.5083	0.5448	0.5813	0.6179	0.6545	19.0
23.1-25.0	25.4- 27.6	0.0512	0.0910	0.1320	0.1739	0.2162	0.2589	0.3017	0.3448	0.3879	0.4312	0.4746	0.5180	0.5614	0.6050	0.6485	0.6921	0.7357	0.7794	20.0
25.1-27.0	27.7- 29.9	0.0596	0.1060	0.1539	0.2028	0.2523	0.3022	0.3524	0.4028	0.4534	0.5041	0.5549	0.6058	0.6567	0.7077	0.7588	0.8099	0.8611	0.9123	20.9
27.1-29.0	30.0- 32.2	0.0685	0.1218	0.1770	0.2333	0.2904	0.3479	0.4059	0.4641	0.5225	0.5811	0.6398	0.6986	0.7576	0.8166	0.8756	0.9347	0.9939	1.0531	21.8
29.1-31.0	32.3- 34.4	0.0779	0.1385	0.2012	0.2653	0.3304	0.3960	0.4621	0.5286	0.5953	0.6622	0.7293	0.7966	0.8639	0.9313	0.9989	1.0665	1.1341	1.2018	22.5
31.1-33.0	34.6- 36.8	0.0877	0.1559	0.2266	0.2989	0.3722	0.4464	0.5211	0.5963	0.6717	0.7474	0.8234	0.8994	0.9757	1.0520	1.1285	1.2050	1.2816	1.3583	23.2
33.1-35.0	36.9- 39.1	0.0980	0.1742	0.2531	0.3339	0.4160	0.4991	0.5828	0.6670	0.7517	0.8366	0.9218	1.0072	1.0927	1.1784	1.2643	1.3502	1.4362	1.5223	23.9
35.1-37.0	39.2- 41.4	0.1089	0.1932	0.2807	0.3704	0.4616	0.5540	0.6471	0.7408	0.8350	0.9296	1.0245	1.1196	1.2149	1.3105	1.4061	1.5019	1.5978	1.6938	24.5
37.1-39.0	41.5- 43.7	0.1203	0.2132	0.3095	0.4084	0.5091	0.6110	0.7139	0.8176	0.9218	1.0264	1.1314	1.2367	1.3422	1.4480	1.5539	1.6600	1.7662	1.8725	25.0
39.1-41.0	43.8- 46.0	0.1322	0.2339	0.3394	0.4478	0.5583	0.6702	0.7833	0.8972	1.0118	1.1269	1.2424	1.3583	1.4744	1.5908	1.7075	1.8243	1.9412	2.0583	25.5
41.1-43.0	46.2- 48.4	0.1447	0.2556	0.3705	0.4887	0.6092	0.7315	0.8551	0.9797	1.1050	1.2310	1.3574	1.4843	1.6115	1.7389	1.8667	1.9946	2.1227	2.2510	25.9
43.1-45.0	48.5- 50.7	0.1578	0.2781	0.4027	0.5310	0.6619	0.7949	0.9293	1.0649	1.2014	1.3385	1.4763	1.6145	1.7532	1.8921	2.0314	2.1709	2.3106	2.4505	26.3
45.1-47.0	50.9- 53.1	0.1715	0.3015	0.4361	0.5747	0.7164	0.8603	1.0059	1.1528	1.3008	1.4496	1.5990	1.7490	1.8994	2.0503	2.2014	2.3529	2.5046	2.6565	26.7
47.1-49.0	53.2- 55.5	0.1858	0.3257	0.4706	0.6198	0.7725	0.9277	1.0848	1.2434	1.4032	1.5639	1.7254	1.8875	2.0502	2.2133	2.3767	2.5405	2.7046	2.8690	27.0
49.1-51.0	55.6- 57.8	0.2007	0.3510	0.5062	0.6663	0.8302	0.9970	1.1659	1.3366	1.5085	1.6815	1.8554	2.0300	2.2053	2.3810	2.5571	2.7337	2.9105	3.0877	27.3
51.1-53.0	58.0- 60.2	0.2164	0.3771	0.5431	0.7143	0.8897	1.0683	1.2493	1.4323	1.6167	1.8024	1.9890	2.1764	2.3646	2.5533	2.7425	2.9321	3.1221	3.3125	27.6
53.1-55.0	60.3- 62.6	0.2327	0.4043	0.5811	0.7636	0.9508	1.1415	1.3349	1.5304	1.7277	1.9263	2.1260	2.3266	2.5280	2.7301	2.9327	3.1358	3.3393	3.5432	27.8
55.1-57.0	62.7- 65.0	0.2498	0.4324	0.6203	0.8144	1.0135	1.2165	1.4226	1.6311	1.8414	2.0533	2.2664	2.4805	2.6955	2.9113	3.1276	3.3445	3.5619	3.7797	28.1
57.1-59.0	65.1- 67.4	0.2676	0.4615	0.6607	0.8665	1.0778	1.2935	1.5125	1.7341	1.9578	2.1832	2.4100	2.6380	2.8669	3.0967	3.3272	3.5582	3.7898	4.0219	28.3
59.1-61.0	67.5- 69.8	0.2862	0.4917	0.7023	0.9201	1.1438	1.3723	1.6044	1.8395	2.0769	2.3161	2.5569	2.7990	3.0422	3.2863	3.5312	3.7767	4.0229	4.2695	28.5
61.1-63.0	70.0- 72.3	0.3057	0.5229	0.7452	0.9751	1.2114	1.4529	1.6984	1.9472	2.1985	2.4519	2.7070	2.9635	3.2212	3.4800	3.7396	3.9999	4.2610	4.5226	28.6
63.1-65.0	72.4- 74.7	0.3259	0.5552	0.7894	1.0315	1.2806	1.5353	1.7945	2.0572	2.3227	2.5904	2.8601	3.1313	3.4039	3.6776	3.9523	4.2278	4.5040	4.7808	28.8
65.1-67.0	74.8- 77.1	0.3471	0.5887	0.8348	1.0893	1.3514	1.6196	1.8926	2.1694	2.4493	2.7317	3.0162	3.3025	3.5902	3.8791	4.1691	4.4600	4.7517	5.0442	28.9
67.1-69.0	77.3- 79.6	0.3691	0.6233	0.8815	1.1486	1.4238	1.7056	1.9926	2.2838	2.5784	2.8757	3.1753	3.4768	3.7799	4.0844	4.3900	4.6967	5.0042	5.3125	29.1
69.1-71.0	79.7- 82.0	0.3921	0.6591	0.9296	1.2094	1.4979	1.7935	2.0947	2.4005	2.7099	3.0224	3.3373	3.6543	3.9731	4.2934	4.6149	4.9376	5.2612	5.5857	29.2
71.1-73.0	82.2- 84.5	0.4161	0.6961	0.9790	1.2716	1.5736	1.8831	2.1987	2.5193	2.8438	3.1716	3.5022	3.8349	4.1696	4.5059	4.8437	5.1826	5.5226	5.8635	29.3
73.1-75.0	84.6- 87.0	0.4411	0.7343	1.0297	1.3354	1.6508	1.9745	2.3047	2.6402	2.9801	3.3234	3.6698	4.0185	4.3694	4.7220	5.0762	5.4317	5.7884	6.1460	29.4
75.1-77.0	87.1- 89.5	0.4672	0.7739	1.0819	1.4006	1.7297	2.0676	2.4126	2.7632	3.1186	3.4778	3.8401	4.2051	4.5724	4.9416	5.3125	5.6848	6.0583	6.4330	29.5
77.1-79.0	89.6- 91.9	0.4944	0.8147	1.1355	1.4674	1.8103	2.1625	2.5224	2.8884	3.2594	3.6345	4.0131	4.3946	4.7785	5.1645	5.5523	5.9417	6.3324	6.7243	29.5
79.1-81.0	92.1- 94.4	0.5227	0.8569	1.1905	1.5357	1.8925	2.2592	2.6341	3.0156	3.4024	3.7937	4.1888	4.5869	4.9877	5.3907	5.7957	6.2024	6.6105	7.0200	29.6

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 33. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: LODGEPOLE PINE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.0- 14.1	0.0035	0.0057	0.0076	0.0094	0.0111	0.0128	0.0145	0.0161	0.0177	0.0193	0.0209	0.0225	0.0241	0.0257	0.0273	0.0290	0.0306	0.0322	12.4
13.1-15.0	14.2- 16.3	0.0114	0.0204	0.0298	0.0394	0.0491	0.0590	0.0690	0.0790	0.0891	0.0992	0.1093	0.1195	0.1296	0.1398	0.1500	0.1603	0.1705	0.1807	13.9
15.1-17.0	16.4- 18.5	0.0190	0.0341	0.0499	0.0660	0.0823	0.0988	0.1153	0.1320	0.1486	0.1653	0.1820	0.1988	0.2156	0.2324	0.2492	0.2660	0.2828	0.2997	15.3
17.1-19.0	18.7- 20.8	0.0264	0.0473	0.0690	0.0911	0.1134	0.1359	0.1585	0.1812	0.2039	0.2267	0.2495	0.2724	0.2953	0.3182	0.3411	0.3640	0.3870	0.4100	16.7
19.1-21.0	20.9- 23.0	0.0340	0.0607	0.0883	0.1165	0.1450	0.1737	0.2025	0.2314	0.2604	0.2895	0.3186	0.3478	0.3770	0.4062	0.4354	0.4647	0.4940	0.5232	17.9
21.1-23.0	23.2- 25.3	0.0418	0.0745	0.1084	0.1430	0.1779	0.2131	0.2485	0.2841	0.3197	0.3554	0.3911	0.4270	0.4628	0.4987	0.5347	0.5706	0.6066	0.6426	19.0
23.1-25.0	25.4- 27.6	0.0499	0.0890	0.1295	0.1708	0.2126	0.2547	0.2971	0.3396	0.3822	0.4250	0.4678	0.5107	0.5537	0.5967	0.6398	0.6828	0.7260	0.7691	20.0
25.1-27.0	27.7- 29.9	0.0585	0.1042	0.1517	0.2000	0.2491	0.2985	0.3482	0.3982	0.4483	0.4985	0.5489	0.5993	0.6498	0.7004	0.7510	0.8017	0.8524	0.9032	20.9
27.1-29.0	30.0- 32.2	0.0674	0.1202	0.1749	0.2308	0.2874	0.3445	0.4021	0.4599	0.5179	0.5761	0.6344	0.6928	0.7514	0.8100	0.8686	0.9274	0.9861	1.0450	21.8
29.1-31.0	32.3- 34.4	0.0769	0.1370	0.1992	0.2630	0.3276	0.3929	0.4586	0.5247	0.5911	0.6577	0.7244	0.7913	0.8582	0.9253	0.9925	1.0597	1.1270	1.1944	22.5
31.1-33.0	34.6- 36.8	0.0868	0.1545	0.2247	0.2966	0.3697	0.4435	0.5179	0.5927	0.6678	0.7432	0.8188	0.8945	0.9704	1.0465	1.1226	1.1988	1.2751	1.3514	23.2
33.1-35.0	36.9- 39.1	0.0972	0.1728	0.2513	0.3318	0.4136	0.4963	0.5797	0.6637	0.7480	0.8326	0.9175	1.0026	1.0879	1.1733	1.2588	1.3444	1.4302	1.5160	23.9
35.1-37.0	39.2- 41.4	0.1080	0.1920	0.2791	0.3684	0.4593	0.5514	0.6442	0.7376	0.8316	0.9259	1.0205	1.1153	1.2104	1.3056	1.4010	1.4965	1.5921	1.6879	24.5
37.1-39.0	41.5- 43.7	0.1195	0.2119	0.3079	0.4065	0.5069	0.6085	0.7112	0.8146	0.9185	1.0229	1.1276	1.2326	1.3379	1.4434	1.5491	1.6549	1.7609	1.8669	25.0
39.1-41.0	43.8- 46.0	0.1314	0.2327	0.3379	0.4460	0.5562	0.6679	0.7807	0.8943	1.0087	1.1235	1.2388	1.3544	1.4703	1.5865	1.7029	1.8195	1.9362	2.0530	25.5
41.1-43.0	46.2- 48.4	0.1439	0.2544	0.3690	0.4869	0.6072	0.7292	0.8526	0.9769	1.1020	1.2277	1.3540	1.4806	1.6076	1.7348	1.8623	1.9900	2.1179	2.2460	25.9
43.1-45.0	48.5- 50.7	0.1570	0.2769	0.4013	0.5293	0.6600	0.7927	0.9269	1.0622	1.1985	1.3355	1.4730	1.6110	1.7494	1.8882	2.0272	2.1665	2.3060	2.4457	26.3
45.1-47.0	50.9- 53.1	0.1708	0.3004	0.4347	0.5730	0.7144	0.8581	1.0035	1.1503	1.2980	1.4466	1.5958	1.7456	1.8958	2.0465	2.1975	2.3487	2.5002	2.6519	26.7
47.1-49.0	53.2- 55.5	0.1851	0.3247	0.4692	0.6182	0.7706	0.9256	1.0825	1.2409	1.4005	1.5610	1.7223	1.8843	2.0467	2.2096	2.3729	2.5365	2.7004	2.8646	27.0
49.1-51.0	55.6- 57.8	0.2001	0.3499	0.5049	0.6648	0.8284	0.9950	1.1637	1.3341	1.5059	1.6787	1.8524	2.0269	2.2019	2.3774	2.5534	2.7298	2.9065	3.0834	27.3
51.1-53.0	58.0- 60.2	0.2157	0.3761	0.5418	0.7127	0.8879	1.0663	1.2471	1.4299	1.6142	1.7996	1.9861	2.1734	2.3613	2.5499	2.7389	2.9284	3.1182	3.3084	27.6
53.1-55.0	60.3- 62.6	0.2321	0.4033	0.5798	0.7621	0.9490	1.1395	1.3328	1.5281	1.7252	1.9236	2.1232	2.3236	2.5249	2.7268	2.9292	3.1321	3.3355	3.5392	27.8
55.1-57.0	62.7- 65.0	0.2492	0.4314	0.6190	0.8129	1.0118	1.2146	1.4205	1.6288	1.8390	2.0507	2.2636	2.4776	2.6924	2.9080	3.1242	3.3410	3.5582	3.7758	28.1
57.1-59.0	65.1- 67.4	0.2670	0.4606	0.6595	0.8651	1.0762	1.2916	1.5104	1.7319	1.9554	2.1807	2.4074	2.6352	2.8639	3.0935	3.3238	3.5548	3.7862	4.0181	28.3
59.1-61.0	67.5- 69.8	0.2856	0.4907	0.7011	0.9186	1.1422	1.3704	1.6024	1.8373	2.0745	2.3136	2.5543	2.7962	3.0393	3.2832	3.5279	3.7734	4.0194	4.2659	28.5
61.1-63.0	70.0- 72.3	0.3051	0.5220	0.7440	0.9737	1.2098	1.4511	1.6965	1.9450	2.1962	2.4494	2.7044	2.9608	3.2183	3.4769	3.7364	3.9966	4.2575	4.5190	28.6
63.1-65.0	72.4- 74.7	0.3254	0.5543	0.7882	1.0301	1.2790	1.5336	1.7925	2.0551	2.3204	2.5880	2.8576	3.1287	3.4011	3.6746	3.9492	4.2245	4.5006	4.7773	28.8
65.1-67.0	74.8- 77.1	0.3465	0.5878	0.8336	1.0880	1.3498	1.6178	1.8907	2.1673	2.4471	2.7294	3.0137	3.2998	3.5874	3.8762	4.1661	4.4568	4.7484	5.0407	28.9
67.1-69.0	77.3- 79.6	0.3686	0.6224	0.8804	1.1473	1.4223	1.7039	1.9907	2.2818	2.5762	2.8734	3.1729	3.4742	3.7772	4.0815	4.3870	4.6935	5.0009	5.3091	29.1
69.1-71.0	79.7- 82.0	0.3916	0.6582	0.9284	1.2081	1.4963	1.7917	2.0928	2.3985	2.7078	3.0201	3.3349	3.6518	3.9704	4.2905	4.6119	4.9345	5.2580	5.5823	29.2
71.1-73.0	82.2- 84.5	0.4156	0.6952	0.9778	1.2703	1.5720	1.8814	2.1969	2.5173	2.8417	3.1694	3.4997	3.8324	4.1670	4.5031	4.8407	5.1796	5.5194	5.8603	29.3
73.1-75.0	84.6- 87.0	0.4406	0.7335	1.0286	1.3340	1.6493	1.9728	2.3028	2.6382	2.9779	3.3212	3.6674	4.0160	4.3668	4.7193	5.0733	5.4287	5.7852	6.1428	29.4
75.1-77.0	87.1- 89.5	0.4667	0.7730	1.0808	1.3993	1.7282	2.0659	2.4107	2.7613	3.1165	3.4755	3.8377	4.2026	4.5698	4.9389	5.3096	5.6818	6.0552	6.4298	29.5
77.1-79.0	89.6- 91.9	0.4939	0.8139	1.1344	1.4661	1.8088	2.1609	2.5206	2.8864	3.2573	3.6323	4.0108	4.3921	4.7759	5.1618	5.5495	5.9387	6.3294	6.7212	29.5
79.1-81.0	92.1- 94.4	0.5222	0.8561	1.1895	1.5344	1.8910	2.2576	2.6323	3.0136	3.4003	3.7915	4.1864	4.5844	4.9851	5.3880	5.7929	6.1994	6.6075	7.0168	29.6

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 1. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: 7, 8, 9, 10, 11

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	2.0- 3.9	0.0005	0.0007	0.0009	0.0012	0.0014	0.0016	0.0019	0.0021	0.0024	0.0026	0.0028	0.0031	0.0033	0.0035	0.0038	0.0040	0.0042	0.0045	2.7
3.1- 5.0	4.0- 5.9	0.0024	0.0037	0.0050	0.0063	0.0076	0.0089	0.0102	0.0116	0.0129	0.0142	0.0155	0.0169	0.0182	0.0195	0.0209	0.0222	0.0235	0.0249	4.4
5.1- 7.0	6.0- 7.9	0.0050	0.0079	0.0107	0.0136	0.0164	0.0193	0.0222	0.0251	0.0280	0.0309	0.0338	0.0367	0.0396	0.0425	0.0455	0.0484	0.0513	0.0542	6.2
7.1- 9.0	8.0- 10.0	0.0085	0.0133	0.0182	0.0232	0.0281	0.0331	0.0381	0.0431	0.0481	0.0532	0.0582	0.0632	0.0683	0.0733	0.0784	0.0834	0.0885	0.0935	7.8
9.1-11.0	10.1- 12.1	0.0128	0.0201	0.0275	0.0350	0.0426	0.0502	0.0578	0.0654	0.0731	0.0808	0.0884	0.0961	0.1039	0.1116	0.1193	0.1270	0.1348	0.1425	9.4
11.1-13.0	12.2- 14.3	0.0178	0.0280	0.0384	0.0489	0.0596	0.0703	0.0811	0.0919	0.1027	0.1135	0.1244	0.1353	0.1462	0.1571	0.1680	0.1790	0.1899	0.2009	10.9
13.1-15.0	14.4- 16.6	0.0236	0.0371	0.0509	0.0650	0.0792	0.0935	0.1079	0.1223	0.1368	0.1513	0.1659	0.1805	0.1951	0.2097	0.2244	0.2390	0.2537	0.2684	12.3
15.1-17.0	16.7- 18.9	0.0303	0.0474	0.0650	0.0830	0.1013	0.1196	0.1381	0.1567	0.1754	0.1941	0.2128	0.2316	0.2504	0.2693	0.2881	0.3070	0.3260	0.3449	13.6
17.1-19.0	19.0- 21.2	0.0378	0.0589	0.0808	0.1031	0.1258	0.1487	0.1717	0.1949	0.2182	0.2416	0.2650	0.2885	0.3120	0.3356	0.3592	0.3828	0.4065	0.4302	14.8
19.1-21.0	21.3- 23.6	0.0463	0.0717	0.0981	0.1251	0.1527	0.1805	0.2086	0.2369	0.2653	0.2938	0.3224	0.3510	0.3798	0.4086	0.4374	0.4663	0.4952	0.5242	15.9
21.1-23.0	23.7- 26.0	0.0558	0.0858	0.1170	0.1492	0.1820	0.2152	0.2488	0.2825	0.3165	0.3506	0.3848	0.4192	0.4536	0.4881	0.5226	0.5573	0.5919	0.6267	16.9
23.1-25.0	26.2- 28.5	0.0663	0.1012	0.1376	0.1752	0.2137	0.2527	0.2921	0.3319	0.3719	0.4120	0.4524	0.4928	0.5334	0.5741	0.6149	0.6557	0.6966	0.7376	17.8
25.1-27.0	28.7- 31.1	0.0780	0.1180	0.1599	0.2033	0.2478	0.2930	0.3387	0.3848	0.4313	0.4780	0.5249	0.5720	0.6192	0.6665	0.7139	0.7615	0.8091	0.8568	18.6
27.1-29.0	31.2- 33.7	0.0910	0.1363	0.1839	0.2335	0.2843	0.3361	0.3885	0.4414	0.4948	0.5484	0.6023	0.6565	0.7108	0.7652	0.8198	0.8746	0.9294	0.9843	19.3
29.1-31.0	33.8- 36.3	0.1053	0.1561	0.2097	0.2657	0.3232	0.3819	0.4415	0.5016	0.5623	0.6233	0.6847	0.7463	0.8082	0.8703	0.9325	0.9948	1.0573	1.1200	20.0
31.1-33.0	36.5- 39.0	0.1210	0.1776	0.2374	0.3001	0.3647	0.4306	0.4976	0.5654	0.6338	0.7027	0.7719	0.8415	0.9114	0.9815	1.0518	1.1223	1.1929	1.2637	20.6
33.1-35.0	39.2- 41.8	0.1384	0.2008	0.2671	0.3367	0.4086	0.4822	0.5570	0.6328	0.7093	0.7864	0.8640	0.9420	1.0203	1.0989	1.1778	1.2569	1.3361	1.4155	21.1
35.1-37.0	41.9- 44.6	0.1574	0.2258	0.2987	0.3755	0.4551	0.5366	0.6197	0.7038	0.7889	0.8746	0.9610	1.0478	1.1350	1.2225	1.3104	1.3985	1.4868	1.5754	21.6
37.1-39.0	44.7- 47.4	0.1783	0.2528	0.3324	0.4166	0.5041	0.5940	0.6856	0.7785	0.8724	0.9673	1.0627	1.1588	1.2553	1.3523	1.4496	1.5472	1.6450	1.7431	22.1
39.1-41.0	47.6- 50.3	0.2013	0.2819	0.3684	0.4602	0.5559	0.6543	0.7547	0.8568	0.9600	1.0643	1.1694	1.2751	1.3814	1.4881	1.5953	1.7028	1.8107	1.9188	22.5
41.1-43.0	50.5- 53.3	0.2264	0.3131	0.4066	0.5062	0.6103	0.7176	0.8273	0.9388	1.0517	1.1658	1.2808	1.3966	1.5131	1.6301	1.7476	1.8655	1.9838	2.1024	22.9
43.1-45.0	53.4- 56.3	0.2538	0.3467	0.4472	0.5548	0.6675	0.7840	0.9032	1.0245	1.1475	1.2717	1.3971	1.5234	1.6505	1.7782	1.9064	2.0352	2.1643	2.2939	23.2
45.1-47.0	56.4- 59.3	0.2838	0.3827	0.4903	0.6060	0.7276	0.8535	0.9825	1.1140	1.2473	1.3822	1.5183	1.6555	1.7936	1.9324	2.0718	2.2118	2.3523	2.4932	23.5
47.1-49.0	59.5- 62.4	0.3166	0.4214	0.5361	0.6600	0.7907	0.9262	1.0653	1.2072	1.3513	1.4971	1.6444	1.7929	1.9423	2.0926	2.2437	2.3954	2.5477	2.7004	23.8
49.1-51.0	62.6- 65.6	0.3524	0.4629	0.5846	0.7169	0.8568	1.0022	1.1517	1.3044	1.4595	1.6167	1.7754	1.9355	2.0968	2.2591	2.4221	2.5860	2.7504	2.9154	24.0
51.1-53.0	65.7- 68.8	0.3914	0.5073	0.6360	0.7767	0.9260	1.0815	1.2417	1.4054	1.5720	1.7407	1.9114	2.0836	2.2570	2.4316	2.6071	2.7835	2.9606	3.1383	24.2
53.1-55.0	69.0- 72.1	0.4338	0.5549	0.6904	0.8395	0.9984	1.1643	1.3353	1.5104	1.6887	1.8695	2.0523	2.2369	2.4230	2.6103	2.7987	2.9880	3.1782	3.3690	24.4
55.1-57.0	72.2- 75.4	0.4801	0.6059	0.7480	0.9056	1.0741	1.2505	1.4327	1.6195	1.8097	2.0029	2.1983	2.3957	2.5948	2.7952	2.9968	3.1995	3.4032	3.6076	24.6
57.1-59.0	75.5- 78.7	0.5304	0.6604	0.8090	0.9750	1.1533	1.3403	1.5340	1.7326	1.9352	2.1410	2.3494	2.5599	2.7723	2.9863	3.2016	3.4181	3.6356	3.8540	24.8
59.1-61.0	78.9- 82.1	0.5852	0.7188	0.8735	1.0478	1.2360	1.4339	1.6391	1.8499	2.0651	2.2839	2.5056	2.7296	2.9558	3.1836	3.4130	3.6437	3.8755	4.1083	24.9
61.1-63.0	82.3- 85.6	0.6446	0.7811	0.9416	1.1243	1.3223	1.5312	1.7482	1.9715	2.1996	2.4316	2.6669	2.9049	3.1451	3.3872	3.6310	3.8763	4.1228	4.3705	25.1
63.1-65.0	85.8- 89.1	0.7092	0.8477	1.0137	1.2045	1.4124	1.6324	1.8615	2.0974	2.3387	2.5843	2.8335	3.0856	3.3403	3.5971	3.8558	4.1160	4.3777	4.6406	25.2
65.1-67.0	89.3- 92.7	0.7794	0.9189	1.0897	1.2885	1.5064	1.7377	1.9789	2.2277	2.4824	2.7419	3.0053	3.2721	3.5415	3.8134	4.0873	4.3629	4.6401	4.9187	25.3
67.1-69.0	92.8- 96.3	0.8554	0.9949	1.1701	1.3766	1.6044	1.8470	2.1006	2.3624	2.6309	2.9046	3.1826	3.4642	3.7488	4.0361	4.3255	4.6170	4.9101	5.2048	25.4
69.1-71.0	96.5- 99.9	0.9379	1.0760	1.2549	1.4690	1.7066	1.9606	2.2266	2.5018	2.7842	3.0723	3.3652	3.6620	3.9622	4.2652	4.5706	4.8782	5.1877	5.4988	25.5
71.1-73.0	100.1-103.6	1.0274	1.1626	1.3445	1.5657	1.8131	2.0785	2.3572	2.6459	2.9424	3.2453	3.5533	3.8657	4.1817	4.5008	4.8226	5.1467	5.4729	5.8009	25.5
73.1-75.0	103.8-107.4	1.1242	1.2550	1.4389	1.6670	1.9241	2.2010	2.4924	2.7947	3.1057	3.4235	3.7470	4.0752	4.4074	4.7430	5.0815	5.4226	5.7659	6.1111	25.6
75.1-77.0	107.6-111.2	1.2291	1.3534	1.5386	1.7731	2.0396	2.3280	2.6323	2.9484	3.2740	3.6071	3.9463	4.2907	4.6394	4.9918	5.3474	5.7057	6.0665	6.4295	25.7
77.1-79.0	111.4-115.1	1.3427	1.4584	1.6437	1.8841	2.1600	2.4598	2.7770	3.1072	3.4476	3.7961	4.1514	4.5122	4.8777	5.2472	5.6203	5.9963	6.3750	6.7560	25.7
79.1-81.0	115.3-119.0	1.4655	1.5703	1.7545	2.0004	2.2853	2.5965	2.9267	3.2710	3.6264	3.9907	4.3622	4.7398	5.1224	5.5095	5.9003	6.2943	6.6913	7.0907	25.8

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 2. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: 1 TO 6, 12 TO 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.3- 3.3	0.0005	0.0007	0.0009	0.0011	0.0014	0.0016	0.0018	0.0021	0.0023	0.0025	0.0028	0.0030	0.0032	0.0034	0.0037	0.0039	0.0041	0.0044	2.9
3.1- 5.0	3.4- 5.5	0.0023	0.0036	0.0049	0.0062	0.0074	0.0087	0.0100	0.0113	0.0126	0.0139	0.0152	0.0164	0.0177	0.0190	0.0203	0.0216	0.0229	0.0242	4.8
5.1- 7.0	5.6- 7.6	0.0050	0.0078	0.0106	0.0134	0.0162	0.0191	0.0219	0.0247	0.0276	0.0304	0.0333	0.0361	0.0390	0.0418	0.0447	0.0476	0.0504	0.0533	6.7
7.1- 9.0	7.7- 9.8	0.0085	0.0133	0.0181	0.0230	0.0279	0.0328	0.0377	0.0427	0.0476	0.0526	0.0575	0.0625	0.0675	0.0724	0.0774	0.0824	0.0874	0.0924	8.5
9.1-11.0	9.9- 12.0	0.0128	0.0200	0.0274	0.0348	0.0423	0.0498	0.0574	0.0649	0.0725	0.0801	0.0876	0.0952	0.1028	0.1105	0.1181	0.1257	0.1333	0.1410	10.1
11.1-13.0	12.1- 14.2	0.0178	0.0279	0.0383	0.0487	0.0593	0.0699	0.0805	0.0912	0.1019	0.1126	0.1233	0.1341	0.1448	0.1556	0.1664	0.1771	0.1879	0.1987	11.7
13.1-15.0	14.4- 16.5	0.0236	0.0370	0.0507	0.0646	0.0787	0.0929	0.1071	0.1213	0.1356	0.1500	0.1643	0.1787	0.1931	0.2075	0.2219	0.2364	0.2508	0.2653	13.1
15.1-17.0	16.6- 18.7	0.0302	0.0472	0.0647	0.0825	0.1005	0.1186	0.1368	0.1551	0.1735	0.1919	0.2104	0.2289	0.2474	0.2659	0.2845	0.3031	0.3216	0.3403	14.4
17.1-19.0	18.9- 21.0	0.0375	0.0585	0.0801	0.1021	0.1245	0.1470	0.1697	0.1925	0.2154	0.2383	0.2613	0.2844	0.3075	0.3306	0.3537	0.3769	0.4001	0.4233	15.5
19.1-21.0	21.1- 23.3	0.0457	0.0709	0.0969	0.1236	0.1507	0.1780	0.2056	0.2333	0.2611	0.2890	0.3170	0.3450	0.3731	0.4012	0.4294	0.4577	0.4859	0.5142	16.6
21.1-23.0	23.4- 25.6	0.0548	0.0845	0.1152	0.1468	0.1790	0.2115	0.2443	0.2773	0.3104	0.3437	0.3771	0.4106	0.4441	0.4777	0.5114	0.5451	0.5788	0.6126	17.5
23.1-25.0	25.7- 27.9	0.0648	0.0992	0.1349	0.1718	0.2093	0.2474	0.2858	0.3244	0.3633	0.4024	0.4416	0.4809	0.5202	0.5597	0.5993	0.6389	0.6785	0.7182	18.4
25.1-27.0	28.0- 30.3	0.0758	0.1150	0.1561	0.1984	0.2417	0.2856	0.3300	0.3747	0.4197	0.4649	0.5102	0.5557	0.6014	0.6471	0.6929	0.7389	0.7848	0.8309	19.2
27.1-29.0	30.4- 32.6	0.0878	0.1321	0.1786	0.2267	0.2760	0.3261	0.3768	0.4279	0.4793	0.5310	0.5829	0.6350	0.6873	0.7397	0.7922	0.8448	0.8975	0.9503	19.9
29.1-31.0	32.7- 35.0	0.1009	0.1505	0.2026	0.2567	0.3123	0.3688	0.4261	0.4839	0.5422	0.6007	0.6596	0.7186	0.7779	0.8373	0.8969	0.9565	1.0163	1.0762	20.5
31.1-33.0	35.1- 37.4	0.1152	0.1701	0.2281	0.2884	0.3505	0.4138	0.4780	0.5428	0.6081	0.6739	0.7400	0.8064	0.8730	0.9398	1.0067	1.0738	1.1411	1.2085	21.0
33.1-35.0	37.5- 39.8	0.1307	0.1911	0.2550	0.3218	0.3906	0.4609	0.5322	0.6044	0.6772	0.7504	0.8241	0.8981	0.9724	1.0469	1.1216	1.1966	1.2716	1.3468	21.5
35.1-37.0	39.9- 42.2	0.1476	0.2136	0.2835	0.3569	0.4327	0.5102	0.5889	0.6687	0.7492	0.8302	0.9118	0.9938	1.0760	1.1586	1.2415	1.3245	1.4077	1.4911	22.0
37.1-39.0	42.3- 44.7	0.1659	0.2375	0.3136	0.3937	0.4766	0.5615	0.6480	0.7356	0.8240	0.9132	1.0030	1.0932	1.1838	1.2748	1.3660	1.4575	1.5492	1.6411	22.4
39.1-41.0	44.8- 47.1	0.1857	0.2629	0.3452	0.4322	0.5224	0.6150	0.7094	0.8050	0.9018	0.9993	1.0975	1.1963	1.2955	1.3952	1.4952	1.5954	1.6960	1.7967	22.7
41.1-43.0	47.2- 49.6	0.2072	0.2900	0.3785	0.4724	0.5701	0.6706	0.7730	0.8770	0.9823	1.0884	1.1954	1.3030	1.4112	1.5198	1.6288	1.7381	1.8478	1.9577	23.0
43.1-45.0	49.7- 52.1	0.2304	0.3187	0.4135	0.5145	0.6198	0.7282	0.8390	0.9515	1.0655	1.1805	1.2965	1.4132	1.5305	1.6484	1.7667	1.8854	2.0045	2.1239	23.3
45.1-47.0	52.2- 54.6	0.2555	0.3492	0.4503	0.5583	0.6713	0.7879	0.9072	1.0285	1.1514	1.2756	1.4008	1.5268	1.6536	1.7810	1.9089	2.0373	2.1660	2.2951	23.6
47.1-49.0	54.7- 57.1	0.2826	0.3816	0.4889	0.6040	0.7248	0.8497	0.9776	1.1079	1.2399	1.3734	1.5081	1.6437	1.7802	1.9174	2.0551	2.1934	2.3322	2.4713	23.8
49.1-51.0	57.3- 59.7	0.3118	0.4159	0.5293	0.6516	0.7803	0.9136	1.0503	1.1897	1.3310	1.4741	1.6184	1.7639	1.9103	2.0575	2.2054	2.3539	2.5028	2.6523	24.0
51.1-53.0	59.8- 62.2	0.3433	0.4523	0.5717	0.7011	0.8378	0.9796	1.1252	1.2738	1.4247	1.5775	1.7318	1.8873	2.0439	2.2013	2.3595	2.5184	2.6779	2.8379	24.2
53.1-55.0	62.4- 64.8	0.3773	0.4908	0.6161	0.7526	0.8972	1.0476	1.2023	1.3603	1.5209	1.6836	1.8480	2.0138	2.1807	2.3486	2.5175	2.6870	2.8572	3.0280	24.3
55.1-57.0	64.9- 67.4	0.4138	0.5316	0.6625	0.8061	0.9587	1.1178	1.2817	1.4492	1.6197	1.7924	1.9671	2.1433	2.3208	2.4995	2.6791	2.8595	3.0407	3.2225	24.5
57.1-59.0	67.5- 70.0	0.4531	0.5748	0.7112	0.8617	1.0223	1.1901	1.3632	1.5404	1.7208	1.9038	2.0889	2.2758	2.4641	2.6536	2.8443	3.0358	3.2282	3.4213	24.6
59.1-61.0	70.2- 72.7	0.4954	0.6204	0.7620	0.9194	1.0880	1.2645	1.4470	1.6340	1.8245	2.0179	2.2136	2.4112	2.6105	2.8112	3.0130	3.2159	3.4196	3.6242	24.7
61.1-63.0	72.8- 75.3	0.5408	0.6686	0.8151	0.9793	1.1558	1.3411	1.5330	1.7298	1.9306	2.1345	2.3410	2.5496	2.7600	2.9719	3.1851	3.3995	3.6149	3.8311	24.8
63.1-65.0	75.4- 78.0	0.5895	0.7196	0.8707	1.0414	1.2258	1.4199	1.6212	1.8280	2.0391	2.2536	2.4710	2.6907	2.9124	3.1358	3.3606	3.5867	3.8139	4.0420	24.9
65.1-67.0	78.1- 80.6	0.6419	0.7735	0.9287	1.1058	1.2980	1.5009	1.7116	1.9285	2.1500	2.3753	2.6037	2.8347	3.0679	3.3028	3.5394	3.7774	4.0165	4.2567	25.0
67.1-69.0	80.8- 83.3	0.6981	0.8304	0.9893	1.1725	1.3724	1.5841	1.8044	2.0312	2.2633	2.4995	2.7390	2.9814	3.2262	3.4729	3.7214	3.9714	4.2227	4.4752	25.1
69.1-71.0	83.5- 86.1	0.7583	0.8904	1.0526	1.2417	1.4492	1.6696	1.8994	2.1364	2.3790	2.6261	2.8769	3.1308	3.3873	3.6460	3.9065	4.1687	4.4324	4.6973	25.1
71.1-73.0	86.2- 88.8	0.8229	0.9538	1.1187	1.3134	1.5284	1.7574	1.9967	2.2438	2.4970	2.7552	3.0174	3.2829	3.5512	3.8220	4.0947	4.3693	4.6454	4.9229	25.2
73.1-75.0	88.9- 91.5	0.8921	1.0207	1.1876	1.3877	1.6099	1.8475	2.0963	2.3536	2.6175	2.8868	3.1604	3.4376	3.7179	4.0008	4.2859	4.5730	4.8618	5.1520	25.2
75.1-77.0	91.7- 94.3	0.9662	1.0913	1.2596	1.4646	1.6939	1.9399	2.1982	2.4656	2.7403	3.0207	3.3059	3.5950	3.8873	4.1825	4.4801	4.7798	5.0813	5.3845	25.3
77.1-79.0	94.4- 97.1	1.0455	1.1657	1.3346	1.5442	1.7804	2.0348	2.3025	2.5801	2.8655	3.1572	3.4539	3.7549	4.0594	4.3670	4.6772	4.9896	5.3041	5.6202	25.3
79.1-81.0	97.2- 99.9	1.1304	1.2441	1.4129	1.6266	1.8695	2.1321	2.4091	2.6969	2.9931	3.2960	3.6044	3.9173	4.2341	4.5542	4.8771	5.2024	5.5299	5.8592	25.4

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 3. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.6- 3.6	0.0005	0.0007	0.0009	0.0012	0.0014	0.0016	0.0018	0.0021	0.0023	0.0025	0.0028	0.0030	0.0032	0.0035	0.0037	0.0039	0.0042	0.0044	2.8
3.1- 5.0	3.7- 5.6	0.0023	0.0036	0.0049	0.0062	0.0075	0.0088	0.0101	0.0114	0.0127	0.0140	0.0153	0.0166	0.0179	0.0192	0.0206	0.0219	0.0232	0.0245	4.6
5.1- 7.0	5.7- 7.7	0.0050	0.0078	0.0106	0.0135	0.0163	0.0192	0.0220	0.0249	0.0278	0.0306	0.0335	0.0364	0.0393	0.0422	0.0450	0.0479	0.0508	0.0537	6.4
7.1- 9.0	7.8- 9.9	0.0085	0.0133	0.0181	0.0230	0.0280	0.0329	0.0379	0.0429	0.0478	0.0528	0.0578	0.0628	0.0678	0.0728	0.0779	0.0829	0.0879	0.0929	8.2
9.1-11.0	10.0- 12.1	0.0127	0.0200	0.0274	0.0349	0.0424	0.0499	0.0575	0.0651	0.0728	0.0804	0.0880	0.0957	0.1034	0.1110	0.1187	0.1264	0.1341	0.1418	9.8
11.1-13.0	12.2- 14.3	0.0178	0.0279	0.0383	0.0488	0.0594	0.0701	0.0808	0.0915	0.1023	0.1131	0.1239	0.1348	0.1456	0.1565	0.1673	0.1782	0.1891	0.2000	11.3
13.1-15.0	14.4- 16.5	0.0236	0.0370	0.0508	0.0648	0.0789	0.0932	0.1075	0.1219	0.1363	0.1508	0.1653	0.1798	0.1943	0.2089	0.2234	0.2380	0.2526	0.2672	12.7
15.1-17.0	16.6- 18.8	0.0302	0.0473	0.0648	0.0828	0.1009	0.1192	0.1376	0.1561	0.1747	0.1933	0.2119	0.2306	0.2493	0.2681	0.2868	0.3056	0.3244	0.3433	13.9
17.1-19.0	18.9- 21.1	0.0377	0.0587	0.0805	0.1027	0.1252	0.1480	0.1710	0.1940	0.2172	0.2404	0.2637	0.2870	0.3104	0.3338	0.3573	0.3808	0.4043	0.4279	15.1
19.1-21.0	21.2- 23.5	0.0461	0.0714	0.0976	0.1245	0.1519	0.1796	0.2075	0.2356	0.2638	0.2921	0.3205	0.3489	0.3775	0.4060	0.4347	0.4634	0.4921	0.5208	16.1
21.1-23.0	23.6- 25.9	0.0554	0.0852	0.1163	0.1483	0.1808	0.2138	0.2471	0.2806	0.3143	0.3482	0.3821	0.4162	0.4503	0.4845	0.5188	0.5531	0.5875	0.6219	17.1
23.1-25.0	26.0- 28.3	0.0658	0.1004	0.1366	0.1739	0.2121	0.2507	0.2898	0.3292	0.3688	0.4086	0.4486	0.4887	0.5288	0.5691	0.6095	0.6499	0.6904	0.7310	18.0
25.1-27.0	28.5- 30.8	0.0772	0.1169	0.1584	0.2015	0.2455	0.2903	0.3355	0.3812	0.4271	0.4733	0.5197	0.5662	0.6129	0.6597	0.7066	0.7536	0.8007	0.8479	18.8
27.1-29.0	30.9- 33.3	0.0898	0.1347	0.1819	0.2309	0.2812	0.3324	0.3842	0.4365	0.4892	0.5422	0.5954	0.6488	0.7025	0.7562	0.8101	0.8641	0.9182	0.9724	19.5
29.1-31.0	33.4- 35.9	0.1037	0.1540	0.2070	0.2623	0.3191	0.3771	0.4358	0.4951	0.5549	0.6151	0.6756	0.7364	0.7973	0.8585	0.9198	0.9812	1.0428	1.1045	20.1
31.1-33.0	36.0- 38.4	0.1189	0.1748	0.2339	0.2957	0.3593	0.4243	0.4903	0.5571	0.6244	0.6921	0.7603	0.8288	0.8975	0.9664	1.0356	1.1049	1.1744	1.2440	20.7
33.1-35.0	38.6- 41.1	0.1356	0.1972	0.2625	0.3310	0.4018	0.4742	0.5478	0.6222	0.6974	0.7731	0.8493	0.9259	1.0028	1.0800	1.1574	1.2350	1.3128	1.3907	21.2
35.1-37.0	41.2- 43.7	0.1539	0.2212	0.2929	0.3684	0.4466	0.5266	0.6081	0.6906	0.7740	0.8581	0.9427	1.0278	1.1132	1.1990	1.2851	1.3714	1.4579	1.5446	21.7
37.1-39.0	43.9- 46.4	0.1739	0.2471	0.3253	0.4079	0.4936	0.5816	0.6713	0.7623	0.8542	0.9470	1.0404	1.1343	1.2287	1.3235	1.4186	1.5140	1.6097	1.7056	22.1
39.1-41.0	46.6- 49.1	0.1957	0.2748	0.3596	0.4495	0.5430	0.6393	0.7374	0.8371	0.9380	1.0398	1.1423	1.2455	1.3492	1.4534	1.5579	1.6628	1.7680	1.8735	22.5
41.1-43.0	49.3- 51.9	0.2195	0.3045	0.3959	0.4933	0.5949	0.6995	0.8065	0.9152	1.0252	1.1364	1.2484	1.3612	1.4746	1.5885	1.7029	1.8177	1.9328	2.0482	22.8
43.1-45.0	52.1- 54.7	0.2454	0.3362	0.4343	0.5393	0.6491	0.7625	0.8785	0.9964	1.1160	1.2368	1.3587	1.4814	1.6049	1.7289	1.8535	1.9785	2.1040	2.2298	23.1
45.1-47.0	54.9- 57.6	0.2736	0.3702	0.4750	0.5876	0.7058	0.8281	0.9534	1.0809	1.2103	1.3411	1.4732	1.6062	1.7400	1.8745	2.0096	2.1453	2.2814	2.4180	23.4
47.1-49.0	57.7- 60.4	0.3043	0.4065	0.5180	0.6384	0.7651	0.8965	1.0312	1.1687	1.3081	1.4493	1.5917	1.7353	1.8799	2.0252	2.1713	2.3180	2.4651	2.6128	23.7
49.1-51.0	60.6- 63.4	0.3377	0.4452	0.5633	0.6915	0.8270	0.9676	1.1121	1.2596	1.4095	1.5612	1.7144	1.8690	2.0246	2.1811	2.3384	2.4964	2.6550	2.8141	23.9
51.1-53.0	63.5- 66.3	0.3739	0.4866	0.6112	0.7473	0.8915	1.0415	1.1960	1.3538	1.5143	1.6769	1.8412	2.0070	2.1740	2.3420	2.5109	2.6806	2.8510	3.0220	24.1
53.1-55.0	66.5- 69.3	0.4132	0.5307	0.6617	0.8056	0.9587	1.1184	1.2830	1.4514	1.6227	1.7964	1.9721	2.1495	2.3281	2.5080	2.6888	2.8706	3.0531	3.2362	24.3
55.1-57.0	69.5- 72.3	0.4559	0.5777	0.7149	0.8667	1.0287	1.1981	1.3730	1.5522	1.7347	1.9198	2.1071	2.2963	2.4870	2.6790	2.8721	3.0662	3.2611	3.4568	24.4
57.1-59.0	72.5- 75.4	0.5021	0.6279	0.7710	0.9305	1.1015	1.2808	1.4662	1.6563	1.8502	2.0470	2.2462	2.4475	2.6505	2.8549	3.0606	3.2674	3.4752	3.6837	24.6
59.1-61.0	75.5- 78.5	0.5521	0.6813	0.8301	0.9973	1.1773	1.3665	1.5626	1.7639	1.9693	2.1780	2.3894	2.6031	2.8187	3.0358	3.2544	3.4742	3.6951	3.9169	24.7
61.1-63.0	78.6- 81.6	0.6063	0.7382	0.8923	1.0670	1.2561	1.4554	1.6622	1.8749	2.0920	2.3129	2.5367	2.7630	2.9915	3.2217	3.4535	3.6866	3.9209	4.1563	24.8
63.1-65.0	81.8- 84.8	0.6649	0.7987	0.9578	1.1399	1.3380	1.5474	1.7651	1.9893	2.2184	2.4516	2.6881	2.9274	3.1690	3.4125	3.6578	3.9045	4.1526	4.4018	24.9
65.1-67.0	85.0- 88.0	0.7283	0.8631	1.0266	1.2160	1.4231	1.6426	1.8714	2.1072	2.3485	2.5943	2.8437	3.0961	3.3511	3.6082	3.8673	4.1280	4.3901	4.6534	25.0
67.1-69.0	88.2- 91.3	0.7969	0.9316	1.0991	1.2954	1.5114	1.7412	1.9811	2.2287	2.4823	2.7408	3.0034	3.2692	3.5378	3.8089	4.0820	4.3569	4.6333	4.9112	25.1
69.1-71.0	91.4- 94.5	0.8709	1.0045	1.1752	1.3783	1.6031	1.8431	2.0942	2.3537	2.6199	2.8913	3.1672	3.4467	3.7292	4.0144	4.3018	4.5912	4.8823	5.1750	25.2
71.1-73.0	94.7- 97.9	0.9507	1.0819	1.2553	1.4648	1.6983	1.9485	2.2108	2.4824	2.7612	3.0458	3.3352	3.6286	3.9253	4.2248	4.5269	4.8310	5.1371	5.4448	25.3
73.1-75.0	98.0-101.2	1.0370	1.1642	1.3395	1.5550	1.7971	2.0574	2.3311	2.6148	2.9064	3.2043	3.5075	3.8149	4.1260	4.4402	4.7571	5.0763	5.3975	5.7206	25.3
75.1-77.0	101.4-104.6	1.1300	1.2515	1.4279	1.6491	1.8995	2.1700	2.4550	2.7509	3.0555	3.3669	3.6839	4.0057	4.3314	4.6604	4.9924	5.3269	5.6637	6.0024	25.4
77.1-79.0	104.8-108.1	1.2302	1.3443	1.5207	1.7472	2.0058	2.2863	2.5826	2.8909	3.2085	3.5335	3.8647	4.2009	4.5414	4.8856	5.2329	5.5830	5.9355	6.2901	25.4
79.1-81.0	108.2-111.5	1.3383	1.4429	1.6183	1.8494	2.1159	2.4064	2.7141	3.0347	3.3655	3.7043	4.0497	4.4006	4.7562	5.1157	5.4786	5.8445	6.2130	6.5838	25.5

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 5. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: 7, 8, 9, 10, 11

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	8.0- 10.0	0.0023	0.0040	0.0056	0.0072	0.0087	0.0103	0.0118	0.0133	0.0149	0.0164	0.0179	0.0195	0.0210	0.0225	0.0240	0.0256	0.0271	0.0286	7.8
9.1-11.0	10.1- 12.1	0.0070	0.0123	0.0178	0.0234	0.0291	0.0347	0.0405	0.0462	0.0519	0.0577	0.0635	0.0693	0.0751	0.0809	0.0867	0.0925	0.0983	0.1042	9.4
11.1-13.0	12.2- 14.3	0.0115	0.0202	0.0292	0.0384	0.0476	0.0569	0.0663	0.0757	0.0851	0.0945	0.1040	0.1135	0.1230	0.1325	0.1420	0.1515	0.1611	0.1706	10.9
13.1-15.0	14.4- 16.6	0.0162	0.0286	0.0413	0.0542	0.0673	0.0805	0.0938	0.1071	0.1205	0.1339	0.1473	0.1608	0.1743	0.1878	0.2013	0.2149	0.2284	0.2420	12.3
15.1-17.0	16.7- 18.9	0.0213	0.0376	0.0544	0.0715	0.0888	0.1062	0.1238	0.1414	0.1591	0.1769	0.1947	0.2126	0.2305	0.2484	0.2663	0.2843	0.3023	0.3203	13.6
17.1-19.0	19.0- 21.2	0.0268	0.0474	0.0686	0.0902	0.1121	0.1342	0.1565	0.1789	0.2014	0.2239	0.2465	0.2692	0.2919	0.3147	0.3375	0.3604	0.3832	0.4061	14.8
19.1-21.0	21.3- 23.6	0.0328	0.0580	0.0839	0.1105	0.1374	0.1646	0.1920	0.2195	0.2472	0.2750	0.3029	0.3309	0.3589	0.3870	0.4151	0.4433	0.4715	0.4997	15.9
21.1-23.0	23.7- 26.0	0.0394	0.0694	0.1005	0.1323	0.1646	0.1973	0.2303	0.2634	0.2968	0.3303	0.3639	0.3975	0.4313	0.4652	0.4991	0.5331	0.5671	0.6012	16.9
23.1-25.0	26.2- 28.5	0.0464	0.0818	0.1183	0.1558	0.1939	0.2325	0.2714	0.3106	0.3500	0.3896	0.4294	0.4693	0.5093	0.5493	0.5895	0.6298	0.6701	0.7104	17.8
25.1-27.0	28.7- 31.1	0.0540	0.0951	0.1374	0.1809	0.2252	0.2700	0.3154	0.3610	0.4070	0.4531	0.4995	0.5460	0.5927	0.6395	0.6864	0.7333	0.7804	0.8275	18.6
27.1-29.0	31.2- 33.7	0.0623	0.1093	0.1578	0.2076	0.2585	0.3100	0.3621	0.4147	0.4676	0.5207	0.5742	0.6278	0.6816	0.7355	0.7896	0.8438	0.8981	0.9524	19.3
29.1-31.0	33.8- 36.3	0.0712	0.1245	0.1795	0.2361	0.2938	0.3524	0.4117	0.4716	0.5318	0.5924	0.6534	0.7145	0.7759	0.8375	0.8992	0.9610	1.0230	1.0851	20.0
31.1-33.0	36.5- 39.0	0.0808	0.1408	0.2026	0.2662	0.3312	0.3972	0.4641	0.5317	0.5997	0.6682	0.7371	0.8062	0.8756	0.9453	1.0151	1.0851	1.1552	1.2255	20.6
33.1-35.0	39.2- 41.8	0.0911	0.1581	0.2270	0.2980	0.3706	0.4445	0.5194	0.5950	0.6713	0.7481	0.8253	0.9029	0.9807	1.0589	1.1373	1.2158	1.2946	1.3735	21.1
35.1-37.0	41.9- 44.6	0.1022	0.1766	0.2530	0.3316	0.4122	0.4942	0.5774	0.6616	0.7465	0.8320	0.9180	1.0044	1.0912	1.1783	1.2657	1.3533	1.4412	1.5292	21.6
37.1-39.0	44.7- 47.4	0.1142	0.1963	0.2804	0.3670	0.4559	0.5465	0.6384	0.7314	0.8253	0.9199	1.0151	1.1108	1.2070	1.3035	1.4004	1.4975	1.5949	1.6925	22.1
39.1-41.0	47.6- 50.3	0.1270	0.2172	0.3093	0.4043	0.5017	0.6012	0.7022	0.8045	0.9078	1.0119	1.1168	1.2222	1.3281	1.4345	1.5413	1.6484	1.7557	1.8634	22.5
41.1-43.0	50.5- 53.3	0.1408	0.2395	0.3399	0.4434	0.5498	0.6585	0.7689	0.8808	0.9939	1.1080	1.2228	1.3384	1.4546	1.5712	1.6883	1.8058	1.9237	2.0418	22.9
43.1-45.0	53.4- 56.3	0.1557	0.2631	0.3721	0.4845	0.6001	0.7183	0.8385	0.9605	1.0837	1.2081	1.3334	1.4595	1.5863	1.7137	1.8416	1.9699	2.0987	2.2278	23.2
45.1-47.0	56.4- 59.3	0.1716	0.2881	0.4060	0.5276	0.6528	0.7808	0.9111	1.0434	1.1772	1.3123	1.4485	1.5855	1.7234	1.8619	2.0010	2.1406	2.2807	2.4212	23.5
47.1-49.0	59.5- 62.4	0.1887	0.3147	0.4417	0.5728	0.7077	0.8459	0.9867	1.1297	1.2744	1.4206	1.5680	1.7164	1.8657	2.0158	2.1666	2.3179	2.4698	2.6221	23.8
49.1-51.0	62.6- 65.6	0.2070	0.3429	0.4793	0.6201	0.7651	0.9138	1.0654	1.2194	1.3754	1.5330	1.6920	1.8522	2.0134	2.1755	2.3383	2.5018	2.6659	2.8305	24.0
51.1-53.0	65.7- 68.8	0.2267	0.3728	0.5189	0.6696	0.8249	0.9843	1.1471	1.3125	1.4801	1.6496	1.8206	1.9929	2.1664	2.3409	2.5162	2.6923	2.8690	3.0464	24.2
53.1-55.0	69.0- 72.1	0.2477	0.4045	0.5604	0.7213	0.8873	1.0578	1.2319	1.4090	1.5886	1.7703	1.9537	2.1386	2.3248	2.5120	2.7003	2.8894	3.0792	3.2697	24.4
55.1-57.0	72.2- 75.4	0.2703	0.4381	0.6041	0.7754	0.9523	1.1340	1.3199	1.5090	1.7010	1.8952	2.0914	2.2892	2.4885	2.6890	2.8905	3.0930	3.2964	3.5005	24.6
57.1-59.0	75.5- 78.7	0.2945	0.4736	0.6499	0.8318	1.0199	1.2132	1.4111	1.6126	1.8172	2.0244	2.2337	2.4448	2.6575	2.8717	3.0870	3.3033	3.5206	3.7387	24.8
59.1-61.0	78.9- 82.1	0.3204	0.5112	0.6981	0.8908	1.0902	1.2954	1.5056	1.7198	1.9374	2.1578	2.3806	2.6054	2.8320	3.0601	3.2896	3.5202	3.7519	3.9845	24.9
61.1-63.0	82.3- 85.6	0.3481	0.5509	0.7486	0.9524	1.1634	1.3807	1.6034	1.8306	2.0615	2.2955	2.5322	2.7711	3.0119	3.2545	3.4985	3.7438	3.9902	4.2377	25.1
63.1-65.0	85.8- 89.1	0.3777	0.5930	0.8016	1.0166	1.2394	1.4691	1.7047	1.9452	2.1897	2.4376	2.6885	2.9418	3.1973	3.4546	3.7136	3.9740	4.2356	4.4984	25.2
65.1-67.0	89.3- 92.7	0.4095	0.6375	0.8572	1.0836	1.3184	1.5607	1.8094	2.0635	2.3219	2.5842	2.8496	3.1177	3.3882	3.6607	3.9350	4.2109	4.4882	4.7667	25.3
67.1-69.0	92.8- 96.3	0.4434	0.6846	0.9155	1.1535	1.4005	1.6556	1.9177	2.1856	2.4583	2.7352	3.0155	3.2987	3.5846	3.8727	4.1627	4.4545	4.7478	5.0425	25.4
69.1-71.0	96.5- 99.9	0.4797	0.7343	0.9766	1.2263	1.4857	1.7539	2.0296	2.3116	2.5989	2.8907	3.1862	3.4850	3.7866	4.0906	4.3968	4.7049	5.0146	5.3258	25.5
71.1-73.0	100.1-103.6	0.5185	0.7869	1.0407	1.3022	1.5742	1.8556	2.1452	2.4416	2.7437	3.0507	3.3618	3.6765	3.9942	4.3145	4.6372	4.9620	5.2886	5.6168	25.5
73.1-75.0	103.8-107.4	0.5600	0.8425	1.1079	1.3813	1.6660	1.9609	2.2646	2.5756	2.8929	3.2154	3.5424	3.8733	4.2075	4.5445	4.8841	5.2259	5.5698	5.9153	25.6
75.1-77.0	107.6-111.2	0.6043	0.9011	1.1782	1.4637	1.7612	2.0698	2.3878	2.7138	3.0465	3.3849	3.7281	4.0755	4.4264	4.7806	5.1374	5.4967	5.8582	6.2216	25.7
77.1-79.0	111.4-115.1	0.6517	0.9631	1.2519	1.5495	1.8600	2.1824	2.5149	2.8561	3.2045	3.5590	3.9188	4.2830	4.6512	5.0227	5.3973	5.7744	6.1539	6.5355	25.7
79.1-81.0	115.3-119.0	0.7022	1.0286	1.3291	1.6389	1.9625	2.2988	2.6461	3.0027	3.3671	3.7380	4.1146	4.4961	4.8818	5.2711	5.6636	6.0590	6.4570	6.8571	25.8

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Table 6. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: 7, 8, 9, 10, 11

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.2- 14.3	0.0062	0.0107	0.0152	0.0196	0.0241	0.0286	0.0331	0.0376	0.0422	0.0467	0.0513	0.0558	0.0604	0.0650	0.0695	0.0741	0.0787	0.0833	10.9
13.1-15.0	14.4- 16.6	0.0120	0.0213	0.0308	0.0406	0.0506	0.0607	0.0708	0.0810	0.0913	0.1016	0.1119	0.1222	0.1326	0.1430	0.1534	0.1638	0.1743	0.1847	12.3
15.1-17.0	16.7- 18.9	0.0177	0.0315	0.0458	0.0605	0.0754	0.0904	0.1056	0.1208	0.1361	0.1515	0.1669	0.1824	0.1979	0.2134	0.2290	0.2446	0.2602	0.2758	13.6
17.1-19.0	19.0- 21.2	0.0237	0.0421	0.0613	0.0808	0.1007	0.1209	0.1411	0.1616	0.1821	0.2027	0.2233	0.2441	0.2648	0.2857	0.3065	0.3274	0.3483	0.3693	14.8
19.1-21.0	21.3- 23.6	0.0300	0.0533	0.0775	0.1022	0.1274	0.1529	0.1786	0.2045	0.2305	0.2566	0.2829	0.3092	0.3355	0.3620	0.3884	0.4149	0.4415	0.4681	15.9
21.1-23.0	23.7- 26.0	0.0368	0.0652	0.0947	0.1249	0.1557	0.1869	0.2184	0.2501	0.2820	0.3140	0.3461	0.3784	0.4107	0.4432	0.4756	0.5082	0.5408	0.5734	16.9
23.1-25.0	26.2- 28.5	0.0441	0.0779	0.1130	0.1490	0.1858	0.2230	0.2606	0.2985	0.3366	0.3750	0.4135	0.4521	0.4908	0.5296	0.5686	0.6075	0.6466	0.6857	17.8
25.1-27.0	28.7- 31.1	0.0519	0.0914	0.1325	0.1746	0.2176	0.2613	0.3054	0.3499	0.3947	0.4398	0.4850	0.5304	0.5759	0.6216	0.6674	0.7132	0.7592	0.8052	18.6
27.1-29.0	31.2- 33.7	0.0602	0.1059	0.1531	0.2018	0.2514	0.3019	0.3529	0.4044	0.4562	0.5084	0.5608	0.6134	0.6662	0.7191	0.7722	0.8254	0.8787	0.9321	19.3
29.1-31.0	33.8- 36.3	0.0692	0.1213	0.1751	0.2305	0.2872	0.3448	0.4031	0.4619	0.5213	0.5810	0.6409	0.7012	0.7616	0.8223	0.8831	0.9441	1.0052	1.0664	20.0
31.1-33.0	36.5- 39.0	0.0789	0.1377	0.1984	0.2609	0.3249	0.3900	0.4560	0.5226	0.5898	0.6574	0.7254	0.7937	0.8623	0.9311	1.0001	1.0693	1.1386	1.2081	20.6
33.1-35.0	39.2- 41.8	0.0893	0.1552	0.2230	0.2930	0.3647	0.4376	0.5116	0.5864	0.6619	0.7379	0.8143	0.8911	0.9682	1.0456	1.1232	1.2011	1.2791	1.3573	21.1
35.1-37.0	41.9- 44.6	0.1005	0.1738	0.2491	0.3268	0.4065	0.4877	0.5701	0.6534	0.7375	0.8223	0.9075	0.9933	1.0793	1.1658	1.2525	1.3394	1.4266	1.5139	21.6
37.1-39.0	44.7- 47.4	0.1126	0.1936	0.2767	0.3624	0.4504	0.5401	0.6313	0.7236	0.8167	0.9106	1.0052	1.1002	1.1957	1.2916	1.3878	1.4843	1.5811	1.6781	22.1
39.1-41.0	47.6- 50.3	0.1255	0.2146	0.3057	0.3998	0.4964	0.5951	0.6954	0.7969	0.8995	1.0030	1.1072	1.2120	1.3173	1.4231	1.5293	1.6358	1.7426	1.8496	22.5
41.1-43.0	50.5- 53.3	0.1393	0.2369	0.3364	0.4391	0.5447	0.6525	0.7623	0.8735	0.9860	1.0994	1.2137	1.3286	1.4442	1.5603	1.6768	1.7938	1.9110	2.0286	22.9
43.1-45.0	53.4- 56.3	0.1542	0.2606	0.3687	0.4803	0.5951	0.7126	0.8321	0.9534	1.0760	1.1998	1.3245	1.4501	1.5763	1.7031	1.8305	1.9583	2.0865	2.2151	23.2
45.1-47.0	56.4- 59.3	0.1702	0.2858	0.4027	0.5235	0.6479	0.7752	0.9049	1.0365	1.1697	1.3042	1.4398	1.5763	1.7137	1.8517	1.9903	2.1294	2.2690	2.4090	23.5
47.1-49.0	59.5- 62.4	0.1873	0.3124	0.4385	0.5688	0.7029	0.8404	0.9806	1.1230	1.2671	1.4127	1.5596	1.7075	1.8563	2.0059	2.1562	2.3070	2.4584	2.6103	23.8
49.1-51.0	62.6- 65.6	0.2057	0.3407	0.4762	0.6161	0.7604	0.9084	1.0593	1.2128	1.3682	1.5253	1.6838	1.8435	2.0042	2.1658	2.3282	2.4912	2.6548	2.8190	24.0
51.1-53.0	65.7- 68.8	0.2254	0.3706	0.5158	0.6657	0.8203	0.9791	1.1411	1.3060	1.4730	1.6420	1.8125	1.9844	2.1574	2.3314	2.5063	2.6819	2.8582	3.0352	24.2
53.1-55.0	69.0- 72.1	0.2465	0.4023	0.5574	0.7175	0.8828	1.0526	1.2261	1.4026	1.5817	1.7628	1.9458	2.1302	2.3159	2.5027	2.6906	2.8792	3.0686	3.2587	24.4
55.1-57.0	72.2- 75.4	0.2691	0.4359	0.6011	0.7716	0.9478	1.1289	1.3141	1.5027	1.6941	1.8879	2.0836	2.2809	2.4798	2.6798	2.8810	3.0831	3.2860	3.4897	24.6
57.1-59.0	75.5- 78.7	0.2933	0.4715	0.6470	0.8281	1.0154	1.2082	1.4054	1.6064	1.8105	2.0171	2.2260	2.4367	2.6490	2.8626	3.0775	3.2935	3.5104	3.7282	24.8
59.1-61.0	78.9- 82.1	0.3192	0.5091	0.6952	0.8872	1.0858	1.2904	1.5000	1.7136	1.9307	2.1506	2.3730	2.5974	2.8235	3.0512	3.2803	3.5105	3.7418	3.9740	24.9
61.1-63.0	82.3- 85.6	0.3469	0.5489	0.7457	0.9488	1.1590	1.3757	1.5979	1.8245	2.0549	2.2884	2.5246	2.7631	3.0035	3.2456	3.4893	3.7342	3.9803	4.2274	25.1
63.1-65.0	85.8- 89.1	0.3766	0.5910	0.7988	1.0130	1.2351	1.4642	1.6992	1.9391	2.1831	2.4306	2.6810	2.9339	3.1890	3.4459	3.7045	3.9645	4.2258	4.4882	25.2
65.1-67.0	89.3- 92.7	0.4084	0.6356	0.8544	1.0801	1.3141	1.5558	1.8039	2.0574	2.3154	2.5771	2.8421	3.1098	3.3799	3.6520	3.9259	4.2014	4.4784	4.7565	25.3
67.1-69.0	92.8- 96.3	0.4423	0.6826	0.9128	1.1500	1.3962	1.6507	1.9122	2.1796	2.4518	2.7281	3.0080	3.2909	3.5763	3.8640	4.1537	4.4451	4.7381	5.0324	25.4
69.1-71.0	96.5- 99.9	0.4786	0.7324	0.9739	1.2228	1.4815	1.7490	2.0241	2.3056	2.5924	2.8836	3.1787	3.4771	3.7783	4.0820	4.3878	4.6955	5.0049	5.3158	25.5
71.1-73.0	100.1-103.6	0.5175	0.7850	1.0380	1.2988	1.5700	1.8508	2.1397	2.4356	2.7372	3.0437	3.3544	3.6686	3.9859	4.3059	4.6282	4.9526	5.2789	5.6067	25.5
73.1-75.0	103.8-107.4	0.5590	0.8406	1.1052	1.3779	1.6618	1.9560	2.2591	2.5696	2.8864	3.2084	3.5350	3.8654	4.1992	4.5358	4.8751	5.2166	5.5600	5.9053	25.6
75.1-77.0	107.6-111.2	0.6033	0.8993	1.1755	1.4603	1.7570	2.0649	2.3823	2.7077	3.0399	3.3778	3.7206	4.0675	4.4181	4.7719	5.1284	5.4873	5.8485	6.2115	25.7
77.1-79.0	111.4-115.1	0.6507	0.9613	1.2492	1.5461	1.8558	2.1775	2.5095	2.8500	3.1979	3.5520	3.9113	4.2751	4.6428	5.0140	5.3882	5.7650	6.1441	6.5254	25.7
79.1-81.0	115.3-119.0	0.7012	1.0268	1.3264	1.6354	1.9583	2.2940	2.6406	2.9966	3.3605	3.7309	4.1071	4.4881	4.8734	5.2623	5.6545	6.0496	6.4472	6.8470	25.8

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 7. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: 7, 8, 9, 10, 11

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.2- 14.3	0.0036	0.0055	0.0070	0.0081	0.0091	0.0100	0.0109	0.0118	0.0127	0.0136	0.0145	0.0154	0.0164	0.0173	0.0183	0.0192	0.0202	0.0212	10.9
13.1-15.0	14.4- 16.6	0.0099	0.0173	0.0248	0.0325	0.0403	0.0482	0.0561	0.0641	0.0721	0.0802	0.0883	0.0964	0.1045	0.1127	0.1208	0.1290	0.1372	0.1454	12.3
15.1-17.0	16.7- 18.9	0.0160	0.0284	0.0412	0.0544	0.0678	0.0813	0.0950	0.1087	0.1226	0.1365	0.1504	0.1644	0.1784	0.1925	0.2065	0.2206	0.2347	0.2489	13.6
17.1-19.0	19.0- 21.2	0.0222	0.0395	0.0574	0.0758	0.0945	0.1135	0.1326	0.1519	0.1713	0.1907	0.2102	0.2298	0.2494	0.2691	0.2888	0.3085	0.3283	0.3481	14.8
19.1-21.0	21.3- 23.6	0.0287	0.0510	0.0742	0.0979	0.1221	0.1466	0.1714	0.1963	0.2214	0.2465	0.2718	0.2972	0.3226	0.3480	0.3736	0.3991	0.4247	0.4504	15.9
21.1-23.0	23.7- 26.0	0.0356	0.0631	0.0917	0.1211	0.1510	0.1814	0.2120	0.2429	0.2740	0.3052	0.3365	0.3680	0.3995	0.4311	0.4628	0.4945	0.5263	0.5581	16.9
23.1-25.0	26.2- 28.5	0.0430	0.0760	0.1103	0.1456	0.1816	0.2181	0.2549	0.2921	0.3295	0.3671	0.4049	0.4428	0.4808	0.5189	0.5571	0.5954	0.6338	0.6722	17.8
25.1-27.0	28.7- 31.1	0.0508	0.0897	0.1300	0.1715	0.2138	0.2568	0.3003	0.3441	0.3883	0.4327	0.4772	0.5220	0.5669	0.6120	0.6571	0.7023	0.7477	0.7931	18.6
27.1-29.0	31.2- 33.7	0.0593	0.1043	0.1509	0.1989	0.2479	0.2977	0.3482	0.3990	0.4503	0.5019	0.5537	0.6057	0.6580	0.7103	0.7628	0.8155	0.8682	0.9210	19.3
29.1-31.0	33.8- 36.3	0.0683	0.1198	0.1730	0.2278	0.2839	0.3409	0.3987	0.4570	0.5158	0.5749	0.6344	0.6941	0.7541	0.8142	0.8745	0.9349	0.9955	1.0562	20.0
31.1-33.0	36.5- 39.0	0.0781	0.1363	0.1964	0.2583	0.3218	0.3864	0.4518	0.5180	0.5847	0.6518	0.7193	0.7872	0.8553	0.9236	0.9921	1.0608	1.1297	1.1987	20.6
33.1-35.0	39.2- 41.8	0.0885	0.1538	0.2211	0.2906	0.3617	0.4342	0.5077	0.5821	0.6570	0.7326	0.8086	0.8849	0.9616	1.0386	1.1158	1.1932	1.2708	1.3485	21.1
35.1-37.0	41.9- 44.6	0.0998	0.1725	0.2473	0.3245	0.4037	0.4844	0.5663	0.6492	0.7329	0.8173	0.9021	0.9874	1.0731	1.1591	1.2454	1.3320	1.4188	1.5057	21.6
37.1-39.0	44.7- 47.4	0.1118	0.1923	0.2749	0.3602	0.4477	0.5370	0.6277	0.7196	0.8124	0.9059	1.0000	1.0947	1.1898	1.2853	1.3812	1.4773	1.5737	1.6703	22.1
39.1-41.0	47.6- 50.3	0.1248	0.2134	0.3040	0.3976	0.4938	0.5921	0.6919	0.7931	0.8954	0.9985	1.1023	1.2068	1.3117	1.4171	1.5229	1.6291	1.7356	1.8423	22.5
41.1-43.0	50.5- 53.3	0.1387	0.2358	0.3348	0.4370	0.5422	0.6496	0.7590	0.8699	0.9819	1.0950	1.2090	1.3236	1.4388	1.5546	1.6708	1.7874	1.9044	2.0217	22.9
43.1-45.0	53.4- 56.3	0.1536	0.2595	0.3671	0.4783	0.5927	0.7098	0.8289	0.9498	1.0721	1.1956	1.3200	1.4452	1.5711	1.6977	1.8247	1.9522	2.0801	2.2084	23.2
45.1-47.0	56.4- 59.3	0.1696	0.2847	0.4012	0.5216	0.6455	0.7725	0.9018	1.0331	1.1660	1.3002	1.4355	1.5717	1.7087	1.8464	1.9847	2.1236	2.2629	2.4026	23.5
47.1-49.0	59.5- 62.4	0.1867	0.3114	0.4370	0.5669	0.7007	0.8378	0.9776	1.1196	1.2635	1.4088	1.5553	1.7030	1.8515	2.0008	2.1508	2.3014	2.4525	2.6041	23.8
49.1-51.0	62.6- 65.6	0.2051	0.3396	0.4747	0.6143	0.7582	0.9058	1.0564	1.2095	1.3647	1.5215	1.6797	1.8391	1.9995	2.1609	2.3230	2.4858	2.6491	2.8131	24.0
51.1-53.0	65.7- 68.8	0.2248	0.3696	0.5144	0.6639	0.8182	0.9766	1.1383	1.3028	1.4696	1.6383	1.8085	1.9801	2.1529	2.3266	2.5012	2.6766	2.8527	3.0294	24.2
53.1-55.0	69.0- 72.1	0.2459	0.4014	0.5560	0.7157	0.8806	1.0501	1.2233	1.3995	1.5783	1.7592	1.9419	2.1260	2.3115	2.4981	2.6856	2.8741	3.0633	3.2531	24.4
55.1-57.0	72.2- 75.4	0.2685	0.4350	0.5998	0.7699	0.9457	1.1265	1.3114	1.4997	1.6908	1.8843	2.0797	2.2769	2.4754	2.6753	2.8762	3.0780	3.2808	3.4843	24.6
57.1-59.0	75.5- 78.7	0.2927	0.4705	0.6457	0.8264	1.0134	1.2058	1.4027	1.6034	1.8072	2.0136	2.2222	2.4326	2.6447	2.8582	3.0728	3.2886	3.5053	3.7228	24.8
59.1-61.0	78.9- 82.1	0.3187	0.5082	0.6939	0.8855	1.0838	1.2881	1.4973	1.7107	1.9275	2.1472	2.3693	2.5934	2.8194	3.0469	3.2757	3.5057	3.7368	3.9688	24.9
61.1-63.0	82.3- 85.6	0.3464	0.5480	0.7445	0.9471	1.1570	1.3734	1.5953	1.8216	2.0517	2.2850	2.5210	2.7592	2.9994	3.2413	3.4847	3.7294	3.9753	4.2223	25.1
63.1-65.0	85.8- 89.1	0.3761	0.5902	0.7975	1.0114	1.2332	1.4619	1.6966	1.9362	2.1800	2.4272	2.6774	2.9301	3.1849	3.4416	3.7000	3.9598	4.2209	4.4832	25.2
65.1-67.0	89.3- 92.7	0.4079	0.6347	0.8532	1.0785	1.3122	1.5536	1.8014	2.0546	2.3123	2.5738	2.8385	3.1060	3.3759	3.6478	3.9215	4.1968	4.4736	4.7516	25.3
67.1-69.0	92.8- 96.3	0.4419	0.6818	0.9115	1.1484	1.3943	1.6485	1.9097	2.1768	2.4487	2.7248	3.0045	3.2871	3.5724	3.8598	4.1493	4.4405	4.7333	5.0275	25.4
69.1-71.0	96.5- 99.9	0.4782	0.7316	0.9727	1.2213	1.4796	1.7468	2.0216	2.3028	2.5893	2.8804	3.1753	3.4734	3.7744	4.0778	4.3834	4.6910	5.0002	5.3109	25.5
71.1-73.0	100.1-103.6	0.5170	0.7842	1.0368	1.2972	1.5681	1.8486	2.1373	2.4328	2.7342	3.0405	3.3509	3.6649	3.9820	4.3018	4.6239	4.9481	5.2742	5.6019	25.5
73.1-75.0	103.8-107.4	0.5585	0.8398	1.1040	1.3763	1.6599	1.9538	2.2566	2.5669	2.8834	3.2052	3.5315	3.8617	4.1953	4.5318	4.8708	5.2121	5.5554	5.9005	25.6
75.1-77.0	107.6-111.2	0.6029	0.8985	1.1744	1.4588	1.7552	2.0627	2.3799	2.7050	3.0369	3.3746	3.7172	4.0639	4.4143	4.7678	5.1241	5.4829	5.8439	6.2068	25.7
77.1-79.0	111.4-115.1	0.6502	0.9605	1.2481	1.5446	1.8540	2.1754	2.5070	2.8473	3.1950	3.5488	3.9078	4.2715	4.6390	5.0100	5.3839	5.7606	6.1396	6.5207	25.7
79.1-81.0	115.3-119.0	0.7008	1.0260	1.3253	1.6339	1.9565	2.2918	2.6382	2.9939	3.3575	3.7277	4.1037	4.4845	4.8695	5.2583	5.6503	6.0452	6.4426	6.8423	25.8

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 11. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: 1 TO 6, 12 TO 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.7- 9.8	0.0023	0.0039	0.0055	0.0070	0.0086	0.0101	0.0116	0.0131	0.0146	0.0161	0.0176	0.0191	0.0206	0.0221	0.0236	0.0251	0.0266	0.0281	8.5
9.1-11.0	9.9- 12.0	0.0070	0.0123	0.0177	0.0233	0.0289	0.0345	0.0401	0.0458	0.0515	0.0571	0.0628	0.0685	0.0743	0.0800	0.0857	0.0914	0.0972	0.1029	10.1
11.1-13.0	12.1- 14.2	0.0115	0.0202	0.0292	0.0382	0.0474	0.0566	0.0659	0.0751	0.0844	0.0938	0.1031	0.1125	0.1219	0.1312	0.1406	0.1500	0.1594	0.1689	11.7
13.1-15.0	14.4- 16.5	0.0162	0.0285	0.0412	0.0540	0.0670	0.0800	0.0931	0.1063	0.1195	0.1327	0.1460	0.1593	0.1726	0.1859	0.1992	0.2125	0.2259	0.2393	13.1
15.1-17.0	16.6- 18.7	0.0213	0.0375	0.0541	0.0711	0.0882	0.1054	0.1227	0.1401	0.1576	0.1751	0.1926	0.2102	0.2278	0.2454	0.2630	0.2807	0.2984	0.3161	14.4
17.1-19.0	18.9- 21.0	0.0267	0.0471	0.0681	0.0895	0.1111	0.1328	0.1548	0.1768	0.1989	0.2210	0.2432	0.2655	0.2878	0.3101	0.3325	0.3549	0.3773	0.3997	15.5
19.1-21.0	21.1- 23.3	0.0326	0.0575	0.0831	0.1092	0.1357	0.1624	0.1893	0.2163	0.2434	0.2707	0.2979	0.3253	0.3527	0.3801	0.4076	0.4352	0.4627	0.4903	16.6
21.1-23.0	23.4- 25.6	0.0389	0.0686	0.0992	0.1304	0.1621	0.1941	0.2263	0.2587	0.2912	0.3239	0.3567	0.3895	0.4224	0.4554	0.4884	0.5215	0.5546	0.5878	17.5
23.1-25.0	25.7- 27.9	0.0457	0.0804	0.1163	0.1529	0.1902	0.2278	0.2657	0.3039	0.3422	0.3807	0.4193	0.4580	0.4969	0.5358	0.5747	0.6138	0.6528	0.6920	18.4
25.1-27.0	28.0- 30.3	0.0529	0.0931	0.1345	0.1768	0.2199	0.2635	0.3075	0.3517	0.3962	0.4409	0.4858	0.5308	0.5759	0.6211	0.6664	0.7118	0.7572	0.8027	19.2
27.1-29.0	30.4- 32.6	0.0606	0.1064	0.1537	0.2020	0.2513	0.3012	0.3515	0.4022	0.4533	0.5045	0.5560	0.6076	0.6594	0.7113	0.7633	0.8154	0.8676	0.9198	19.9
29.1-31.0	32.7- 35.0	0.0689	0.1206	0.1739	0.2286	0.2843	0.3408	0.3978	0.4553	0.5132	0.5714	0.6298	0.6884	0.7472	0.8062	0.8652	0.9244	0.9837	1.0431	20.5
31.1-33.0	35.1- 37.4	0.0776	0.1356	0.1952	0.2564	0.3189	0.3822	0.4463	0.5109	0.5760	0.6414	0.7071	0.7731	0.8392	0.9056	0.9721	1.0388	1.1055	1.1724	21.0
33.1-35.0	37.5- 39.8	0.0870	0.1514	0.2176	0.2856	0.3550	0.4255	0.4969	0.5689	0.6415	0.7144	0.7878	0.8614	0.9353	1.0094	1.0837	1.1582	1.2328	1.3075	21.5
35.1-37.0	39.9- 42.2	0.0970	0.1681	0.2410	0.3160	0.3927	0.4707	0.5496	0.6293	0.7096	0.7905	0.8718	0.9534	1.0353	1.1175	1.1999	1.2825	1.3653	1.4483	22.0
37.1-39.0	42.3- 44.7	0.1075	0.1856	0.2656	0.3478	0.4319	0.5176	0.6043	0.6920	0.7804	0.8694	0.9589	1.0489	1.1392	1.2298	1.3206	1.4117	1.5030	1.5945	22.4
39.1-41.0	44.8- 47.1	0.1188	0.2041	0.2912	0.3809	0.4727	0.5662	0.6611	0.7570	0.8537	0.9512	1.0492	1.1478	1.2467	1.3460	1.4456	1.5455	1.6456	1.7460	22.7
41.1-43.0	47.2- 49.6	0.1307	0.2234	0.3180	0.4152	0.5150	0.6166	0.7198	0.8242	0.9295	1.0357	1.1426	1.2500	1.3579	1.4662	1.5748	1.6838	1.7931	1.9026	23.0
43.1-45.0	49.7- 52.1	0.1434	0.2438	0.3459	0.4509	0.5587	0.6687	0.7804	0.8935	1.0077	1.1229	1.2388	1.3554	1.4725	1.5901	1.7081	1.8265	1.9452	2.0642	23.3
45.1-47.0	52.2- 54.6	0.1569	0.2652	0.3749	0.4880	0.6040	0.7225	0.8430	0.9650	1.0883	1.2127	1.3380	1.4639	1.5906	1.7177	1.8454	1.9734	2.1019	2.2306	23.6
47.1-49.0	54.7- 57.1	0.1711	0.2876	0.4052	0.5263	0.6508	0.7780	0.9074	1.0386	1.1712	1.3051	1.4399	1.5756	1.7119	1.8489	1.9865	2.1245	2.2629	2.4017	23.8
49.1-51.0	57.3- 59.7	0.1863	0.3111	0.4367	0.5661	0.6991	0.8352	0.9737	1.1143	1.2564	1.3999	1.5446	1.6901	1.8365	1.9836	2.1313	2.2795	2.4282	2.5773	24.0
51.1-53.0	59.8- 62.2	0.2023	0.3357	0.4694	0.6072	0.7490	0.8941	1.0419	1.1920	1.3439	1.4972	1.6519	1.8076	1.9642	2.1216	2.2797	2.4384	2.5976	2.7573	24.2
53.1-55.0	62.4- 64.8	0.2193	0.3615	0.5035	0.6497	0.8003	0.9546	1.1119	1.2717	1.4335	1.5970	1.7618	1.9279	2.0950	2.2630	2.4317	2.6011	2.7711	2.9416	24.3
55.1-57.0	64.9- 67.4	0.2373	0.3885	0.5389	0.6937	0.8532	1.0168	1.1838	1.3534	1.5253	1.6990	1.8743	2.0510	2.2287	2.4075	2.5871	2.7674	2.9484	3.1300	24.5
57.1-59.0	67.5- 70.0	0.2564	0.4168	0.5756	0.7391	0.9077	1.0807	1.2574	1.4371	1.6192	1.8034	1.9894	2.1768	2.3654	2.5551	2.7458	2.9373	3.1295	3.3224	24.6
59.1-61.0	70.2- 72.7	0.2766	0.4464	0.6137	0.7860	0.9638	1.1463	1.3329	1.5227	1.7153	1.9101	2.1068	2.3052	2.5049	2.7058	2.9078	3.1107	3.3143	3.5188	24.7
61.1-63.0	72.8- 75.3	0.2980	0.4774	0.6533	0.8344	1.0214	1.2136	1.4102	1.6103	1.8134	2.0190	2.2267	2.4362	2.6472	2.8595	3.0729	3.2874	3.5027	3.7189	24.8
63.1-65.0	75.4- 78.0	0.3206	0.5098	0.6944	0.8843	1.0806	1.2826	1.4892	1.6998	1.9136	2.1301	2.3490	2.5697	2.7921	3.0160	3.2411	3.4674	3.6946	3.9227	24.9
65.1-67.0	78.1- 80.6	0.3446	0.5437	0.7370	0.9358	1.1415	1.3533	1.5701	1.7912	2.0159	2.2434	2.4735	2.7057	2.9398	3.1754	3.4124	3.6506	3.8899	4.1301	25.0
67.1-69.0	80.8- 83.3	0.3699	0.5792	0.7811	0.9889	1.2040	1.4257	1.6528	1.8846	2.1201	2.3589	2.6004	2.8442	3.0900	3.3375	3.5866	3.8369	4.0884	4.3410	25.1
69.1-71.0	83.5- 86.1	0.3967	0.6162	0.8269	1.0437	1.2682	1.4998	1.7373	1.9798	2.2264	2.4765	2.7295	2.9851	3.2428	3.5024	3.7636	4.0263	4.2902	4.5552	25.1
71.1-73.0	86.2- 88.8	0.4250	0.6550	0.8744	1.1001	1.3341	1.5757	1.8236	2.0769	2.3347	2.5962	2.8609	3.1283	3.3981	3.6699	3.9434	4.2186	4.4951	4.7728	25.2
73.1-75.0	88.9- 91.5	0.4549	0.6955	0.9236	1.1583	1.4018	1.6533	1.9118	2.1759	2.4449	2.7180	2.9944	3.2739	3.5558	3.8400	4.1260	4.4138	4.7030	4.9936	25.2
75.1-77.0	91.7- 94.3	0.4866	0.7378	0.9746	1.2182	1.4712	1.7328	2.0017	2.2768	2.5572	2.8418	3.1302	3.4217	3.7160	4.0126	4.3113	4.6118	4.9139	5.2175	25.3
77.1-79.0	94.4- 97.1	0.5200	0.7820	1.0274	1.2799	1.5423	1.8140	2.0935	2.3797	2.6713	2.9677	3.2680	3.5718	3.8785	4.1877	4.4991	4.8126	5.1277	5.4444	25.3
79.1-81.0	97.2- 99.9	0.5553	0.8281	1.0821	1.3434	1.6153	1.8970	2.1872	2.4844	2.7875	3.0956	3.4080	3.7241	4.0433	4.3652	4.6896	5.0160	5.3444	5.6743	25.4

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 12. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: 1 TO 6, 12 TO 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.1- 14.2	0.0061	0.0106	0.0150	0.0194	0.0238	0.0283	0.0327	0.0371	0.0416	0.0461	0.0505	0.0550	0.0595	0.0640	0.0685	0.0730	0.0775	0.0820	11.7
13.1-15.0	14.4- 16.5	0.0119	0.0211	0.0306	0.0403	0.0502	0.0601	0.0701	0.0801	0.0902	0.1003	0.1105	0.1207	0.1309	0.1411	0.1513	0.1615	0.1718	0.1821	13.1
15.1-17.0	16.6- 18.7	0.0177	0.0314	0.0455	0.0600	0.0747	0.0895	0.1045	0.1195	0.1345	0.1497	0.1648	0.1800	0.1953	0.2105	0.2258	0.2411	0.2564	0.2717	14.4
17.1-19.0	18.9- 21.0	0.0236	0.0418	0.0607	0.0801	0.0997	0.1195	0.1394	0.1595	0.1796	0.1998	0.2201	0.2404	0.2608	0.2812	0.3016	0.3221	0.3426	0.3631	15.5
19.1-21.0	21.1- 23.3	0.0298	0.0528	0.0766	0.1010	0.1257	0.1507	0.1759	0.2013	0.2268	0.2523	0.2780	0.3037	0.3294	0.3553	0.3811	0.4070	0.4329	0.4589	16.6
21.1-23.0	23.4- 25.6	0.0363	0.0643	0.0933	0.1230	0.1531	0.1836	0.2144	0.2453	0.2764	0.3077	0.3390	0.3704	0.4019	0.4335	0.4651	0.4967	0.5284	0.5602	17.5
23.1-25.0	25.7- 27.9	0.0433	0.0765	0.1109	0.1461	0.1820	0.2183	0.2549	0.2918	0.3288	0.3661	0.4034	0.4409	0.4785	0.5161	0.5538	0.5916	0.6294	0.6673	18.4
25.1-27.0	28.0- 30.3	0.0507	0.0894	0.1294	0.1705	0.2124	0.2547	0.2975	0.3406	0.3840	0.4276	0.4713	0.5152	0.5592	0.6033	0.6474	0.6917	0.7360	0.7804	19.2
27.1-29.0	30.4- 32.6	0.0585	0.1030	0.1490	0.1961	0.2442	0.2930	0.3423	0.3920	0.4419	0.4922	0.5426	0.5932	0.6440	0.6949	0.7459	0.7970	0.8482	0.8994	19.9
29.1-31.0	32.7- 35.0	0.0669	0.1173	0.1695	0.2230	0.2777	0.3331	0.3892	0.4457	0.5026	0.5599	0.6173	0.6750	0.7329	0.7909	0.8491	0.9074	0.9658	1.0243	20.5
31.1-33.0	35.1- 37.4	0.0757	0.1325	0.1910	0.2511	0.3126	0.3750	0.4381	0.5018	0.5660	0.6306	0.6954	0.7605	0.8258	0.8914	0.9570	1.0229	1.0888	1.1549	21.0
33.1-35.0	37.5- 39.8	0.0852	0.1484	0.2135	0.2805	0.3490	0.4186	0.4891	0.5603	0.6320	0.7042	0.7767	0.8496	0.9227	0.9960	1.0696	1.1433	1.2171	1.2911	21.5
35.1-37.0	39.9- 42.2	0.0952	0.1652	0.2371	0.3112	0.3870	0.4640	0.5422	0.6211	0.7006	0.7807	0.8613	0.9422	1.0234	1.1048	1.1865	1.2684	1.3505	1.4328	22.0
37.1-39.0	42.3- 44.7	0.1059	0.1828	0.2618	0.3431	0.4264	0.5112	0.5972	0.6841	0.7718	0.8601	0.9489	1.0382	1.1278	1.2177	1.3079	1.3983	1.4889	1.5798	22.4
39.1-41.0	44.8- 47.1	0.1172	0.2014	0.2876	0.3763	0.4673	0.5601	0.6542	0.7494	0.8454	0.9422	1.0396	1.1375	1.2358	1.3345	1.4334	1.5327	1.6322	1.7320	22.7
41.1-43.0	47.2- 49.6	0.1292	0.2209	0.3144	0.4108	0.5097	0.6106	0.7131	0.8168	0.9215	1.0270	1.1333	1.2401	1.3473	1.4551	1.5631	1.6715	1.7802	1.8892	23.0
43.1-45.0	49.7- 52.1	0.1419	0.2413	0.3424	0.4466	0.5537	0.6629	0.7739	0.8864	1.0000	1.1145	1.2298	1.3458	1.4624	1.5794	1.6968	1.8147	1.9328	2.0513	23.3
45.1-47.0	52.2- 54.6	0.1554	0.2627	0.3716	0.4838	0.5991	0.7168	0.8366	0.9580	1.0807	1.2045	1.3292	1.4546	1.5807	1.7073	1.8344	1.9620	2.0899	2.2181	23.6
47.1-49.0	54.7- 57.1	0.1697	0.2852	0.4019	0.5222	0.6460	0.7725	0.9012	1.0318	1.1638	1.2971	1.4314	1.5665	1.7023	1.8388	1.9758	2.1133	2.2513	2.3896	23.8
49.1-51.0	57.3- 59.7	0.1849	0.3088	0.4335	0.5621	0.6944	0.8298	0.9677	1.1076	1.2492	1.3921	1.5362	1.6813	1.8271	1.9737	2.1209	2.2687	2.4169	2.5655	24.0
51.1-53.0	59.8- 62.2	0.2010	0.3334	0.4663	0.6033	0.7443	0.8887	1.0359	1.1854	1.3367	1.4896	1.6437	1.7989	1.9551	2.1120	2.2696	2.4278	2.5866	2.7458	24.2
53.1-55.0	62.4- 64.8	0.2180	0.3593	0.5004	0.6459	0.7957	0.9494	1.1061	1.2652	1.4265	1.5894	1.7538	1.9194	2.0860	2.2535	2.4218	2.5907	2.7603	2.9303	24.3
55.1-57.0	64.9- 67.4	0.2361	0.3864	0.5358	0.6899	0.8487	1.0117	1.1780	1.3470	1.5184	1.6916	1.8664	2.0426	2.2199	2.3982	2.5773	2.7572	2.9378	3.1190	24.5
57.1-59.0	67.5- 70.0	0.2552	0.4147	0.5726	0.7353	0.9032	1.0756	1.2517	1.4308	1.6124	1.7961	1.9816	2.1685	2.3567	2.5460	2.7362	2.9273	3.1191	3.3116	24.6
59.1-61.0	70.2- 72.7	0.2754	0.4443	0.6108	0.7823	0.9593	1.1413	1.3272	1.5165	1.7085	1.9029	2.0991	2.2970	2.4963	2.6968	2.8983	3.1008	3.3041	3.5081	24.7
61.1-63.0	72.8- 75.3	0.2968	0.4753	0.6504	0.8307	1.0170	1.2086	1.4045	1.6041	1.8067	2.0118	2.2191	2.4281	2.6386	2.8505	3.0636	3.2776	3.4926	3.7083	24.8
63.1-65.0	75.4- 78.0	0.3195	0.5078	0.6915	0.8807	1.0763	1.2776	1.4837	1.6937	1.9070	2.1230	2.3414	2.5617	2.7837	3.0071	3.2319	3.4577	3.6845	3.9123	24.9
65.1-67.0	78.1- 80.6	0.3434	0.5417	0.7341	0.9322	1.1372	1.3483	1.5646	1.7852	2.0093	2.2364	2.4660	2.6978	2.9314	3.1666	3.4032	3.6410	3.8799	4.1197	25.0
67.1-69.0	80.8- 83.3	0.3688	0.5772	0.7783	0.9854	1.1998	1.4207	1.6473	1.8785	2.1136	2.3519	2.5929	2.8363	3.0817	3.3288	3.5774	3.8274	4.0785	4.3307	25.1
69.1-71.0	83.5- 86.1	0.3956	0.6143	0.8241	1.0401	1.2640	1.4949	1.7318	1.9738	2.2199	2.4695	2.7221	2.9772	3.2345	3.4937	3.7545	4.0168	4.2803	4.5450	25.1
71.1-73.0	86.2- 88.8	0.4239	0.6530	0.8716	1.0966	1.3299	1.5708	1.8182	2.0709	2.3282	2.5892	2.8535	3.1204	3.3898	3.6612	3.9344	4.2091	4.4853	4.7627	25.2
73.1-75.0	88.9- 91.5	0.4539	0.6935	0.9209	1.1548	1.3976	1.6485	1.9063	2.1699	2.4384	2.7110	2.9870	3.2660	3.5475	3.8313	4.1170	4.4043	4.6932	4.9835	25.2
75.1-77.0	91.7- 94.3	0.4855	0.7359	0.9719	1.2147	1.4670	1.7279	1.9963	2.2709	2.5507	2.8348	3.1227	3.4138	3.7077	4.0039	4.3022	4.6024	4.9042	5.2074	25.3
77.1-79.0	94.4- 97.1	0.5190	0.7801	1.0247	1.2764	1.5382	1.8092	2.0881	2.3737	2.6648	2.9607	3.2606	3.5639	3.8702	4.1790	4.4901	4.8031	5.1180	5.4343	25.3
79.1-81.0	97.2- 99.9	0.5543	0.8263	1.0795	1.3400	1.6112	1.8922	2.1817	2.4784	2.7810	3.0886	3.4006	3.7162	4.0350	4.3565	4.6805	5.0066	5.3346	5.6642	25.4

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 13. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: 1 TO 6, 12 TO 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.1- 14.2	0.0035	0.0054	0.0069	0.0080	0.0091	0.0100	0.0110	0.0119	0.0128	0.0137	0.0147	0.0156	0.0166	0.0175	0.0185	0.0194	0.0204	0.0214	11.7
13.1-15.0	14.4- 16.5	0.0098	0.0171	0.0246	0.0321	0.0398	0.0475	0.0553	0.0631	0.0710	0.0789	0.0868	0.0947	0.1027	0.1107	0.1186	0.1266	0.1346	0.1426	13.1
15.1-17.0	16.6- 18.7	0.0159	0.0282	0.0409	0.0538	0.0670	0.0804	0.0938	0.1073	0.1209	0.1345	0.1482	0.1619	0.1757	0.1894	0.2032	0.2170	0.2308	0.2447	14.4
17.1-19.0	18.9- 21.0	0.0220	0.0391	0.0569	0.0750	0.0934	0.1121	0.1308	0.1497	0.1687	0.1878	0.2069	0.2261	0.2453	0.2645	0.2838	0.3031	0.3225	0.3418	15.5
19.1-21.0	21.1- 23.3	0.0284	0.0504	0.0732	0.0966	0.1204	0.1444	0.1687	0.1931	0.2176	0.2422	0.2669	0.2916	0.3165	0.3413	0.3662	0.3912	0.4161	0.4411	16.6
21.1-23.0	23.4- 25.6	0.0351	0.0622	0.0903	0.1191	0.1484	0.1781	0.2080	0.2381	0.2684	0.2988	0.3294	0.3600	0.3906	0.4214	0.4522	0.4830	0.5139	0.5449	17.5
23.1-25.0	25.7- 27.9	0.0421	0.0746	0.1082	0.1427	0.1778	0.2133	0.2492	0.2853	0.3217	0.3582	0.3948	0.4316	0.4685	0.5054	0.5424	0.5795	0.6166	0.6538	18.4
25.1-27.0	28.0- 30.3	0.0496	0.0876	0.1269	0.1673	0.2085	0.2502	0.2923	0.3348	0.3775	0.4204	0.4635	0.5068	0.5501	0.5936	0.6371	0.6808	0.7245	0.7682	19.2
27.1-29.0	30.4- 32.6	0.0575	0.1013	0.1466	0.1932	0.2407	0.2888	0.3375	0.3866	0.4360	0.4856	0.5355	0.5856	0.6357	0.6861	0.7365	0.7870	0.8376	0.8883	19.9
29.1-31.0	32.7- 35.0	0.0660	0.1158	0.1673	0.2202	0.2743	0.3292	0.3847	0.4407	0.4971	0.5538	0.6108	0.6679	0.7253	0.7828	0.8405	0.8982	0.9561	1.0141	20.5
31.1-33.0	35.1- 37.4	0.0749	0.1310	0.1889	0.2485	0.3094	0.3713	0.4339	0.4972	0.5608	0.6249	0.6893	0.7539	0.8187	0.8838	0.9490	1.0144	1.0798	1.1454	21.0
33.1-35.0	37.5- 39.8	0.0844	0.1470	0.2116	0.2781	0.3460	0.4152	0.4852	0.5559	0.6272	0.6989	0.7710	0.8434	0.9160	0.9889	1.0620	1.1353	1.2087	1.2823	21.5
35.1-37.0	39.9- 42.2	0.0944	0.1639	0.2353	0.3088	0.3841	0.4607	0.5384	0.6169	0.6960	0.7757	0.8558	0.9363	1.0171	1.0981	1.1794	1.2609	1.3426	1.4245	22.0
37.1-39.0	42.3- 44.7	0.1051	0.1816	0.2600	0.3408	0.4237	0.5080	0.5936	0.6801	0.7674	0.8553	0.9437	1.0326	1.1218	1.2113	1.3011	1.3912	1.4815	1.5719	22.4
39.1-41.0	44.8- 47.1	0.1164	0.2002	0.2858	0.3741	0.4647	0.5570	0.6507	0.7455	0.8412	0.9376	1.0346	1.1321	1.2301	1.3284	1.4270	1.5260	1.6251	1.7245	22.7
41.1-43.0	47.2- 49.6	0.1285	0.2197	0.3128	0.4087	0.5072	0.6077	0.7098	0.8131	0.9174	1.0226	1.1285	1.2349	1.3419	1.4493	1.5570	1.6651	1.7734	1.8821	23.0
43.1-45.0	49.7- 52.1	0.1412	0.2401	0.3408	0.4446	0.5512	0.6601	0.7707	0.8828	0.9960	1.1102	1.2252	1.3409	1.4571	1.5738	1.6910	1.8085	1.9263	2.0445	23.3
45.1-47.0	52.2- 54.6	0.1548	0.2616	0.3700	0.4818	0.5967	0.7141	0.8335	0.9546	1.0769	1.2004	1.3248	1.4499	1.5757	1.7020	1.8288	1.9560	2.0836	2.2116	23.6
47.1-49.0	54.7- 57.1	0.1691	0.2841	0.4004	0.5203	0.6436	0.7698	0.8982	1.0284	1.1601	1.2931	1.4271	1.5619	1.6974	1.8336	1.9704	2.1076	2.2452	2.3833	23.8
49.1-51.0	57.3- 59.7	0.1843	0.3077	0.4320	0.5602	0.6921	0.8271	0.9647	1.1043	1.2456	1.3882	1.5320	1.6768	1.8224	1.9687	2.1156	2.2631	2.4110	2.5594	24.0
51.1-53.0	59.8- 62.2	0.2004	0.3324	0.4648	0.6014	0.7421	0.8862	1.0331	1.1822	1.3332	1.4858	1.6396	1.7946	1.9504	2.1071	2.2644	2.4224	2.5809	2.7399	24.2
53.1-55.0	62.4- 64.8	0.2174	0.3583	0.4990	0.6440	0.7936	0.9468	1.1032	1.2621	1.4231	1.5857	1.7498	1.9151	2.0815	2.2487	2.4167	2.5854	2.7547	2.9246	24.3
55.1-57.0	64.9- 67.4	0.2355	0.3854	0.5344	0.6881	0.8466	1.0092	1.1752	1.3440	1.5150	1.6880	1.8625	2.0384	2.2155	2.3935	2.5724	2.7521	2.9324	3.1133	24.5
57.1-59.0	67.5- 70.0	0.2546	0.4137	0.5712	0.7336	0.9011	1.0732	1.2490	1.4278	1.6091	1.7925	1.9777	2.1644	2.3523	2.5414	2.7314	2.9222	3.1138	3.3061	24.6
59.1-61.0	70.2- 72.7	0.2749	0.4434	0.6094	0.7806	0.9573	1.1389	1.3245	1.5135	1.7053	1.8993	2.0953	2.2930	2.4920	2.6923	2.8936	3.0958	3.2989	3.5027	24.7
61.1-63.0	72.8- 75.3	0.2963	0.4744	0.6491	0.8290	1.0150	1.2062	1.4019	1.6012	1.8035	2.0084	2.2153	2.4241	2.6344	2.8461	3.0589	3.2727	3.4875	3.7030	24.8
63.1-65.0	75.4- 78.0	0.3189	0.5069	0.6902	0.8790	1.0743	1.2753	1.4811	1.6908	1.9038	2.1196	2.3377	2.5578	2.7796	3.0028	3.2273	3.4529	3.6795	3.9070	24.9
65.1-67.0	78.1- 80.6	0.3429	0.5408	0.7328	0.9306	1.1352	1.3460	1.5620	1.7823	2.0061	2.2330	2.4624	2.6939	2.9273	3.1623	3.3987	3.6363	3.8750	4.1146	25.0
67.1-69.0	80.8- 83.3	0.3683	0.5763	0.7771	0.9837	1.1978	1.4185	1.6448	1.8757	2.1105	2.3485	2.5893	2.8325	3.0776	3.3245	3.5729	3.8227	4.0736	4.3256	25.1
69.1-71.0	83.5- 86.1	0.3951	0.6134	0.8229	1.0385	1.2621	1.4927	1.7293	1.9710	2.2168	2.4662	2.7185	2.9734	3.2305	3.4895	3.7501	4.0122	4.2755	4.5400	25.1
71.1-73.0	86.2- 88.8	0.4234	0.6522	0.8704	1.0950	1.3280	1.5686	1.8157	2.0681	2.3251	2.5859	2.8499	3.1167	3.3858	3.6570	3.9300	4.2045	4.4805	4.7577	25.2
73.1-75.0	88.9- 91.5	0.4534	0.6927	0.9197	1.1532	1.3957	1.6463	1.9038	2.1672	2.4354	2.7077	2.9835	3.2623	3.5436	3.8271	4.1126	4.3998	4.6885	4.9785	25.2
75.1-77.0	91.7- 94.3	0.4851	0.7351	0.9707	1.2131	1.4651	1.7257	1.9938	2.2681	2.5476	2.8316	3.1193	3.4101	3.7038	3.9998	4.2979	4.5979	4.8995	5.2025	25.3
77.1-79.0	94.4- 97.1	0.5185	0.7793	1.0235	1.2749	1.5363	1.8070	2.0856	2.3709	2.6618	2.9575	3.2571	3.5602	3.8663	4.1749	4.4858	4.7987	5.1133	5.4295	25.3
79.1-81.0	97.2- 99.9	0.5539	0.8255	1.0783	1.3385	1.6093	1.8900	2.1793	2.4756	2.7780	3.0854	3.3971	3.7125	4.0311	4.3525	4.6762	5.0021	5.3299	5.6594	25.4

Table 17. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.8- 9.9	0.0023	0.0039	0.0054	0.0070	0.0085	0.0099	0.0114	0.0129	0.0143	0.0158	0.0173	0.0187	0.0202	0.0216	0.0231	0.0246	0.0260	0.0275	8.2
9.1-11.0	10.0- 12.1	0.0069	0.0123	0.0178	0.0233	0.0289	0.0346	0.0403	0.0460	0.0517	0.0574	0.0632	0.0689	0.0747	0.0805	0.0863	0.0921	0.0978	0.1036	9.8
11.1-13.0	12.2- 14.3	0.0114	0.0202	0.0292	0.0383	0.0475	0.0568	0.0661	0.0754	0.0848	0.0942	0.1036	0.1131	0.1225	0.1320	0.1415	0.1510	0.1605	0.1700	11.3
13.1-15.0	14.4- 16.5	0.0162	0.0285	0.0412	0.0541	0.0672	0.0803	0.0935	0.1068	0.1201	0.1335	0.1468	0.1602	0.1737	0.1871	0.2006	0.2141	0.2275	0.2411	12.7
15.1-17.0	16.6- 18.8	0.0213	0.0375	0.0542	0.0713	0.0885	0.1059	0.1234	0.1409	0.1586	0.1762	0.1940	0.2117	0.2295	0.2473	0.2652	0.2831	0.3010	0.3189	13.9
17.1-19.0	18.9- 21.1	0.0268	0.0472	0.0684	0.0899	0.1117	0.1337	0.1558	0.1781	0.2005	0.2229	0.2454	0.2679	0.2905	0.3131	0.3358	0.3585	0.3812	0.4040	15.1
19.1-21.0	21.2- 23.5	0.0327	0.0578	0.0836	0.1100	0.1367	0.1638	0.1910	0.2184	0.2459	0.2735	0.3012	0.3289	0.3568	0.3846	0.4126	0.4405	0.4685	0.4966	16.1
21.1-23.0	23.6- 25.9	0.0392	0.0691	0.1000	0.1316	0.1637	0.1961	0.2288	0.2617	0.2948	0.3280	0.3613	0.3947	0.4282	0.4618	0.4954	0.5291	0.5628	0.5966	17.1
23.1-25.0	26.0- 28.3	0.0461	0.0812	0.1175	0.1547	0.1925	0.2307	0.2693	0.3082	0.3472	0.3865	0.4258	0.4653	0.5049	0.5446	0.5844	0.6242	0.6641	0.7041	18.0
25.1-27.0	28.5- 30.8	0.0536	0.0943	0.1363	0.1793	0.2232	0.2676	0.3124	0.3576	0.4031	0.4488	0.4946	0.5406	0.5868	0.6330	0.6794	0.7258	0.7723	0.8189	18.8
27.1-29.0	30.9- 33.3	0.0616	0.1082	0.1562	0.2055	0.2557	0.3067	0.3582	0.4101	0.4624	0.5149	0.5676	0.6206	0.6737	0.7269	0.7803	0.8337	0.8873	0.9410	19.5
29.1-31.0	33.4- 35.9	0.0703	0.1230	0.1773	0.2332	0.2902	0.3480	0.4065	0.4655	0.5250	0.5847	0.6448	0.7051	0.7655	0.8262	0.8870	0.9479	1.0090	1.0702	20.1
31.1-33.0	36.0- 38.4	0.0796	0.1387	0.1997	0.2624	0.3265	0.3916	0.4574	0.5239	0.5909	0.6583	0.7261	0.7941	0.8624	0.9308	0.9995	1.0683	1.1373	1.2064	20.7
33.1-35.0	38.6- 41.1	0.0895	0.1555	0.2234	0.2932	0.3646	0.4373	0.5109	0.5852	0.6601	0.7356	0.8114	0.8875	0.9640	1.0407	1.1177	1.1948	1.2721	1.3496	21.2
35.1-37.0	41.2- 43.7	0.1002	0.1733	0.2483	0.3256	0.4047	0.4852	0.5669	0.6494	0.7326	0.8164	0.9007	0.9854	1.0704	1.1558	1.2414	1.3272	1.4133	1.4995	21.7
37.1-39.0	43.9- 46.4	0.1117	0.1922	0.2746	0.3596	0.4466	0.5353	0.6254	0.7164	0.8083	0.9008	0.9940	1.0876	1.1816	1.2760	1.3707	1.4656	1.5608	1.6562	22.1
39.1-41.0	46.6- 49.1	0.1239	0.2121	0.3023	0.3952	0.4905	0.5877	0.6864	0.7863	0.8871	0.9888	1.0911	1.1940	1.2974	1.4012	1.5053	1.6098	1.7146	1.8196	22.5
41.1-43.0	49.3- 51.9	0.1370	0.2333	0.3313	0.4324	0.5362	0.6422	0.7499	0.8590	0.9692	1.0803	1.1922	1.3047	1.4178	1.5314	1.6454	1.7598	1.8744	1.9894	22.8
43.1-45.0	52.1- 54.7	0.1510	0.2556	0.3618	0.4714	0.5840	0.6990	0.8160	0.9345	1.0544	1.1753	1.2971	1.4196	1.5428	1.6665	1.7907	1.9154	2.0404	2.1658	23.1
45.1-47.0	54.9- 57.6	0.1660	0.2793	0.3939	0.5121	0.6336	0.7580	0.8845	1.0129	1.1427	1.2737	1.4057	1.5386	1.6723	1.8065	1.9413	2.0766	2.2123	2.3484	23.4
47.1-49.0	57.7- 60.4	0.1820	0.3042	0.4274	0.5545	0.6853	0.8192	0.9556	1.0940	1.2341	1.3756	1.5182	1.6618	1.8062	1.9513	2.0971	2.2434	2.3902	2.5374	23.7
49.1-51.0	60.6- 63.4	0.1992	0.3306	0.4626	0.5988	0.7391	0.8828	1.0293	1.1781	1.3287	1.4809	1.6344	1.7890	1.9445	2.1009	2.2580	2.4157	2.5739	2.7326	23.9
51.1-53.0	63.5- 66.3	0.2174	0.3584	0.4994	0.6449	0.7948	0.9486	1.1055	1.2649	1.4264	1.5896	1.7543	1.9203	2.0873	2.2552	2.4239	2.5933	2.7634	2.9340	24.1
53.1-55.0	66.5- 69.3	0.2369	0.3878	0.5380	0.6929	0.8528	1.0168	1.1842	1.3546	1.5272	1.7018	1.8780	2.0556	2.2344	2.4142	2.5949	2.7764	2.9586	3.1414	24.3
55.1-57.0	69.5- 72.3	0.2578	0.4188	0.5783	0.7429	0.9128	1.0873	1.2656	1.4471	1.6311	1.8173	2.0053	2.1949	2.3858	2.5778	2.7709	2.9648	3.1595	3.3549	24.4
57.1-59.0	72.5- 75.4	0.2800	0.4514	0.6205	0.7949	0.9750	1.1602	1.3496	1.5425	1.7382	1.9363	2.1364	2.3382	2.5415	2.7461	2.9518	3.1585	3.3660	3.5743	24.6
59.1-61.0	75.5- 78.5	0.3037	0.4859	0.6646	0.8490	1.0395	1.2356	1.4363	1.6407	1.8484	2.0586	2.2711	2.4855	2.7015	2.9190	3.1377	3.3574	3.5781	3.7997	24.7
61.1-63.0	78.6- 81.6	0.3289	0.5222	0.7107	0.9051	1.1063	1.3134	1.5256	1.7419	1.9617	2.1844	2.4096	2.6368	2.8658	3.0964	3.3284	3.5615	3.7957	4.0309	24.8
63.1-65.0	81.8- 84.8	0.3559	0.5604	0.7589	0.9635	1.1754	1.3938	1.6176	1.8460	2.0782	2.3136	2.5517	2.7920	3.0344	3.2784	3.5240	3.7708	4.0189	4.2679	24.9
65.1-67.0	85.0- 88.0	0.3846	0.6007	0.8092	1.0242	1.2469	1.4767	1.7124	1.9531	2.1979	2.4462	2.6975	2.9512	3.2071	3.4649	3.7244	3.9853	4.2474	4.5108	25.0
67.1-69.0	88.2- 91.3	0.4151	0.6431	0.8618	1.0871	1.3209	1.5622	1.8100	2.0632	2.3208	2.5823	2.8470	3.1144	3.3841	3.6560	3.9296	4.2048	4.4814	4.7593	25.1
69.1-71.0	91.4- 94.5	0.4477	0.6877	0.9166	1.1525	1.3973	1.6504	1.9104	2.1762	2.4470	2.7218	3.0001	3.2815	3.5654	3.8515	4.1396	4.4294	4.7208	5.0135	25.2
71.1-73.0	94.7- 97.9	0.4824	0.7347	0.9739	1.2203	1.4764	1.7413	2.0137	2.2924	2.5764	2.8648	3.1570	3.4525	3.7508	4.0515	4.3544	4.6591	4.9655	5.2734	25.3
73.1-75.0	98.0-101.2	0.5193	0.7842	1.0337	1.2907	1.5581	1.8349	2.1198	2.4116	2.7090	3.0113	3.3177	3.6275	3.9405	4.2560	4.5739	4.8938	5.2156	5.5389	25.3
75.1-77.0	101.4-104.6	0.5586	0.8362	1.0960	1.3637	1.6425	1.9314	2.2290	2.5339	2.8450	3.1613	3.4820	3.8065	4.1343	4.4650	4.7982	5.1336	5.4709	5.8100	25.4
77.1-79.0	104.8-108.1	0.6004	0.8910	1.1611	1.4395	1.7296	2.0307	2.3411	2.6594	2.9843	3.3148	3.6501	3.9895	4.3324	4.6785	5.0272	5.3783	5.7316	6.0867	25.4
79.1-81.0	108.2-111.5	0.6449	0.9486	1.2290	1.5180	1.8196	2.1329	2.4563	2.7881	3.1270	3.4719	3.8220	4.1765	4.5348	4.8964	5.2609	5.6281	5.9975	6.3689	25.5

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Table 18. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.2- 14.3	0.0061	0.0106	0.0150	0.0194	0.0238	0.0282	0.0327	0.0371	0.0416	0.0461	0.0505	0.0550	0.0595	0.0640	0.0685	0.0730	0.0776	0.0821	11.3
13.1-15.0	14.4- 16.5	0.0119	0.0212	0.0307	0.0405	0.0504	0.0604	0.0705	0.0807	0.0909	0.1011	0.1114	0.1217	0.1320	0.1424	0.1527	0.1631	0.1735	0.1839	12.7
15.1-17.0	16.6- 18.8	0.0177	0.0314	0.0457	0.0603	0.0751	0.0901	0.1052	0.1204	0.1356	0.1509	0.1663	0.1817	0.1971	0.2126	0.2281	0.2436	0.2591	0.2746	13.9
17.1-19.0	18.9- 21.1	0.0236	0.0420	0.0610	0.0805	0.1003	0.1204	0.1406	0.1609	0.1813	0.2018	0.2223	0.2429	0.2636	0.2843	0.3050	0.3258	0.3466	0.3674	15.1
19.1-21.0	21.2- 23.5	0.0299	0.0531	0.0771	0.1018	0.1268	0.1521	0.1777	0.2034	0.2293	0.2552	0.2813	0.3074	0.3336	0.3598	0.3861	0.4124	0.4388	0.4652	16.1
21.1-23.0	23.6- 25.9	0.0366	0.0648	0.0941	0.1242	0.1548	0.1857	0.2170	0.2484	0.2801	0.3118	0.3437	0.3757	0.4078	0.4400	0.4722	0.5044	0.5367	0.5691	17.1
23.1-25.0	26.0- 28.3	0.0437	0.0773	0.1122	0.1479	0.1844	0.2213	0.2586	0.2961	0.3339	0.3719	0.4100	0.4482	0.4866	0.5250	0.5636	0.6022	0.6408	0.6795	18.0
25.1-27.0	28.5- 30.8	0.0514	0.0906	0.1313	0.1731	0.2157	0.2589	0.3026	0.3466	0.3909	0.4355	0.4802	0.5251	0.5701	0.6152	0.6605	0.7058	0.7512	0.7967	18.8
27.1-29.0	30.9- 33.3	0.0596	0.1047	0.1515	0.1996	0.2487	0.2986	0.3490	0.3999	0.4511	0.5026	0.5543	0.6062	0.6583	0.7106	0.7630	0.8154	0.8680	0.9207	19.5
29.1-31.0	33.4- 35.9	0.0683	0.1197	0.1729	0.2277	0.2836	0.3404	0.3979	0.4560	0.5145	0.5733	0.6324	0.6918	0.7513	0.8111	0.8710	0.9310	0.9912	1.0515	20.1
31.1-33.0	36.0- 38.4	0.0777	0.1357	0.1955	0.2572	0.3202	0.3843	0.4493	0.5149	0.5810	0.6476	0.7144	0.7816	0.8491	0.9167	0.9846	1.0526	1.1207	1.1890	20.7
33.1-35.0	38.6- 41.1	0.0877	0.1526	0.2194	0.2882	0.3587	0.4304	0.5031	0.5766	0.6508	0.7254	0.8004	0.8758	0.9515	1.0274	1.1036	1.1800	1.2566	1.3333	21.2
35.1-37.0	41.2- 43.7	0.0985	0.1705	0.2445	0.3208	0.3990	0.4786	0.5595	0.6412	0.7237	0.8067	0.8903	0.9743	1.0586	1.1432	1.2281	1.3133	1.3986	1.4842	21.7
37.1-39.0	43.9- 46.4	0.1100	0.1894	0.2709	0.3549	0.4411	0.5290	0.6183	0.7086	0.7997	0.8916	0.9840	1.0769	1.1703	1.2640	1.3580	1.4524	1.5469	1.6417	22.1
39.1-41.0	46.6- 49.1	0.1223	0.2095	0.2987	0.3907	0.4851	0.5816	0.6795	0.7787	0.8789	0.9799	1.0816	1.1838	1.2866	1.3898	1.4933	1.5971	1.7013	1.8057	22.5
41.1-43.0	49.3- 51.9	0.1355	0.2307	0.3278	0.4281	0.5311	0.6363	0.7433	0.8517	0.9612	1.0717	1.1830	1.2949	1.4074	1.5204	1.6338	1.7476	1.8617	1.9761	22.8
43.1-45.0	52.1- 54.7	0.1496	0.2531	0.3584	0.4671	0.5789	0.6932	0.8095	0.9274	1.0466	1.1669	1.2881	1.4101	1.5327	1.6559	1.7796	1.9037	2.0282	2.1530	23.1
45.1-47.0	54.9- 57.6	0.1646	0.2768	0.3905	0.5079	0.6287	0.7524	0.8782	1.0060	1.1352	1.2656	1.3971	1.5294	1.6625	1.7962	1.9305	2.0653	2.2005	2.3361	23.4
47.1-49.0	57.7- 60.4	0.1807	0.3019	0.4242	0.5505	0.6805	0.8137	0.9495	1.0873	1.2268	1.3677	1.5097	1.6528	1.7967	1.9413	2.0866	2.2324	2.3787	2.5255	23.7
49.1-51.0	60.6- 63.4	0.1978	0.3283	0.4594	0.5948	0.7343	0.8774	1.0232	1.1714	1.3215	1.4732	1.6261	1.7802	1.9353	2.0911	2.2477	2.4049	2.5627	2.7210	23.9
51.1-53.0	63.5- 66.3	0.2161	0.3562	0.4963	0.6410	0.7902	0.9433	1.0995	1.2584	1.4193	1.5820	1.7462	1.9117	2.0782	2.2456	2.4139	2.5829	2.7525	2.9226	24.1
53.1-55.0	66.5- 69.3	0.2357	0.3856	0.5349	0.6891	0.8482	1.0116	1.1784	1.3481	1.5202	1.6943	1.8700	2.0471	2.2255	2.4048	2.5851	2.7662	2.9479	3.1303	24.3
55.1-57.0	69.5- 72.3	0.2565	0.4166	0.5753	0.7391	0.9083	1.0822	1.2599	1.4408	1.6243	1.8100	1.9975	2.1866	2.3770	2.5686	2.7612	2.9547	3.1490	3.3440	24.4
57.1-59.0	72.5- 75.4	0.2788	0.4493	0.6176	0.7912	0.9706	1.1552	1.3439	1.5362	1.7314	1.9290	2.1286	2.3300	2.5329	2.7370	2.9423	3.1486	3.3557	3.5636	24.6
59.1-61.0	75.5- 78.5	0.3025	0.4838	0.6617	0.8453	1.0351	1.2306	1.4306	1.6346	1.8417	2.0514	2.2635	2.4774	2.6930	2.9100	3.1283	3.3476	3.5679	3.7891	24.7
61.1-63.0	78.6- 81.6	0.3278	0.5201	0.7079	0.9015	1.1020	1.3085	1.5200	1.7358	1.9551	2.1773	2.4019	2.6287	2.8573	3.0875	3.3191	3.5518	3.7857	4.0205	24.8
63.1-65.0	81.8- 84.8	0.3547	0.5584	0.7561	0.9599	1.1711	1.3888	1.6121	1.8400	2.0716	2.3065	2.5441	2.7840	3.0259	3.2696	3.5147	3.7612	4.0089	4.2576	24.9
65.1-67.0	85.0- 88.0	0.3834	0.5987	0.8064	1.0206	1.2426	1.4718	1.7069	1.9471	2.1914	2.4392	2.6899	2.9433	3.1988	3.4561	3.7152	3.9757	4.2375	4.5005	25.0
67.1-69.0	88.2- 91.3	0.4140	0.6411	0.8590	1.0836	1.3166	1.5573	1.8045	2.0571	2.3143	2.5753	2.8395	3.1064	3.3758	3.6472	3.9205	4.1953	4.4716	4.7491	25.1
69.1-71.0	91.4- 94.5	0.4466	0.6858	0.9139	1.1490	1.3931	1.6455	1.9049	2.1702	2.4404	2.7148	2.9927	3.2735	3.5570	3.8428	4.1305	4.4200	4.7110	5.0033	25.2
71.1-73.0	94.7- 97.9	0.4813	0.7328	0.9712	1.2168	1.4722	1.7364	2.0082	2.2863	2.5698	2.8578	3.1496	3.4446	3.7425	4.0428	4.3453	4.6497	4.9557	5.2633	25.3
73.1-75.0	98.0-101.2	0.5183	0.7823	1.0310	1.2872	1.5539	1.8301	2.1144	2.4056	2.7025	3.0043	3.3102	3.6196	3.9321	4.2473	4.5648	4.8844	5.2058	5.5288	25.3
75.1-77.0	101.4-104.6	0.5576	0.8344	1.0933	1.3603	1.6383	1.9265	2.2235	2.5279	2.8384	3.1543	3.4745	3.7986	4.1260	4.4563	4.7891	5.1241	5.4611	5.7999	25.4
77.1-79.0	104.8-108.1	0.5994	0.8891	1.1584	1.4360	1.7254	2.0258	2.3356	2.6534	2.9777	3.3078	3.6426	3.9816	4.3241	4.6697	5.0181	5.3688	5.7217	6.0765	25.4
79.1-81.0	108.2-111.5	0.6439	0.9468	1.2263	1.5146	1.8154	2.1281	2.4508	2.7820	3.1204	3.4648	3.8144	4.1685	4.5264	4.8876	5.2518	5.6185	5.9876	6.3587	25.5

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 19. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: BLACK SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.2- 14.3	0.0035	0.0054	0.0068	0.0079	0.0088	0.0097	0.0106	0.0114	0.0123	0.0132	0.0141	0.0150	0.0159	0.0168	0.0177	0.0187	0.0196	0.0205	11.3
13.1-15.0	14.4- 16.5	0.0098	0.0172	0.0247	0.0323	0.0400	0.0478	0.0557	0.0636	0.0716	0.0796	0.0876	0.0956	0.1037	0.1118	0.1199	0.1280	0.1361	0.1443	12.7
15.1-17.0	16.6- 18.8	0.0159	0.0283	0.0411	0.0542	0.0675	0.0810	0.0946	0.1083	0.1220	0.1359	0.1497	0.1637	0.1776	0.1916	0.2056	0.2196	0.2336	0.2477	13.9
17.1-19.0	18.9- 21.1	0.0221	0.0393	0.0572	0.0755	0.0942	0.1130	0.1321	0.1512	0.1705	0.1898	0.2092	0.2287	0.2482	0.2678	0.2873	0.3070	0.3266	0.3463	15.1
19.1-21.0	21.2- 23.5	0.0286	0.0508	0.0738	0.0974	0.1215	0.1459	0.1705	0.1952	0.2202	0.2452	0.2703	0.2954	0.3207	0.3460	0.3713	0.3967	0.4221	0.4476	16.1
21.1-23.0	23.6- 25.9	0.0354	0.0628	0.0912	0.1204	0.1501	0.1802	0.2107	0.2413	0.2721	0.3031	0.3342	0.3653	0.3966	0.4279	0.4593	0.4908	0.5223	0.5539	17.1
23.1-25.0	26.0- 28.3	0.0426	0.0754	0.1095	0.1445	0.1802	0.2164	0.2529	0.2898	0.3268	0.3641	0.4015	0.4390	0.4767	0.5144	0.5522	0.5901	0.6281	0.6661	18.0
25.1-27.0	28.5- 30.8	0.0504	0.0889	0.1288	0.1699	0.2118	0.2544	0.2974	0.3408	0.3845	0.4284	0.4725	0.5167	0.5611	0.6056	0.6503	0.6950	0.7398	0.7846	18.8
27.1-29.0	30.9- 33.3	0.0586	0.1031	0.1492	0.1967	0.2452	0.2944	0.3443	0.3945	0.4452	0.4961	0.5473	0.5986	0.6501	0.7018	0.7536	0.8056	0.8576	0.9097	19.5
29.1-31.0	33.4- 35.9	0.0674	0.1182	0.1708	0.2249	0.2803	0.3365	0.3935	0.4510	0.5090	0.5673	0.6259	0.6847	0.7438	0.8030	0.8624	0.9219	0.9816	1.0414	20.1
31.1-33.0	36.0- 38.4	0.0769	0.1342	0.1935	0.2546	0.3171	0.3807	0.4452	0.5103	0.5759	0.6419	0.7084	0.7751	0.8420	0.9092	0.9766	1.0441	1.1118	1.1796	20.7
33.1-35.0	38.6- 41.1	0.0869	0.1512	0.2174	0.2858	0.3557	0.4270	0.4992	0.5723	0.6459	0.7201	0.7947	0.8696	0.9449	1.0204	1.0962	1.1721	1.2482	1.3245	21.2
35.1-37.0	41.2- 43.7	0.0977	0.1692	0.2426	0.3184	0.3962	0.4754	0.5557	0.6370	0.7191	0.8017	0.8849	0.9684	1.0524	1.1366	1.2211	1.3059	1.3908	1.4760	21.7
37.1-39.0	43.9- 46.4	0.1093	0.1882	0.2691	0.3527	0.4384	0.5259	0.6147	0.7046	0.7954	0.8868	0.9789	1.0714	1.1644	1.2577	1.3514	1.4453	1.5395	1.6339	22.1
39.1-41.0	46.6- 49.1	0.1216	0.2083	0.2970	0.3885	0.4826	0.5786	0.6761	0.7749	0.8747	0.9754	1.0767	1.1786	1.2810	1.3838	1.4870	1.5905	1.6943	1.7983	22.5
41.1-43.0	49.3- 51.9	0.1348	0.2295	0.3262	0.4260	0.5286	0.6334	0.7400	0.8480	0.9572	1.0673	1.1783	1.2899	1.4020	1.5147	1.6278	1.7412	1.8550	1.9691	22.8
43.1-45.0	52.1- 54.7	0.1489	0.2520	0.3569	0.4651	0.5765	0.6904	0.8063	0.9239	1.0428	1.1627	1.2836	1.4053	1.5276	1.6504	1.7738	1.8976	2.0218	2.1463	23.1
45.1-47.0	54.9- 57.6	0.1640	0.2758	0.3890	0.5060	0.6264	0.7496	0.8752	1.0025	1.1314	1.2615	1.3927	1.5247	1.6575	1.7909	1.9249	2.0594	2.1943	2.3297	23.4
47.1-49.0	57.7- 60.4	0.1800	0.3008	0.4227	0.5486	0.6782	0.8111	0.9465	1.0840	1.2231	1.3637	1.5055	1.6482	1.7919	1.9362	2.0812	2.2267	2.3728	2.5193	23.7
49.1-51.0	60.6- 63.4	0.1972	0.3273	0.4580	0.5930	0.7321	0.8748	1.0203	1.1682	1.3180	1.4693	1.6220	1.7758	1.9306	2.0862	2.2425	2.3995	2.5570	2.7150	23.9
51.1-53.0	63.5- 66.3	0.2155	0.3552	0.4949	0.6392	0.7880	0.9408	1.0967	1.2552	1.4159	1.5783	1.7422	1.9074	2.0736	2.2408	2.4088	2.5775	2.7469	2.9168	24.1
53.1-55.0	66.5- 69.3	0.2351	0.3846	0.5335	0.6873	0.8461	1.0091	1.1756	1.3451	1.5169	1.6906	1.8661	2.0429	2.2210	2.4001	2.5801	2.7610	2.9425	3.1247	24.3
55.1-57.0	69.5- 72.3	0.2560	0.4157	0.5740	0.7374	0.9062	1.0797	1.2571	1.4377	1.6209	1.8064	1.9936	2.1825	2.3727	2.5640	2.7564	2.9497	3.1437	3.3385	24.4
57.1-59.0	72.5- 75.4	0.2782	0.4484	0.6162	0.7895	0.9685	1.1528	1.3412	1.5332	1.7281	1.9255	2.1249	2.3260	2.5286	2.7325	2.9376	3.1436	3.3505	3.5582	24.6
59.1-61.0	75.5- 78.5	0.3020	0.4829	0.6604	0.8436	1.0331	1.2282	1.4280	1.6316	1.8385	2.0480	2.2597	2.4734	2.6888	2.9056	3.1236	3.3427	3.5628	3.7838	24.7
61.1-63.0	78.6- 81.6	0.3273	0.5192	0.7066	0.8998	1.1000	1.3061	1.5174	1.7329	1.9519	2.1738	2.3983	2.6248	2.8532	3.0832	3.3145	3.5470	3.7807	4.0152	24.8
63.1-65.0	81.8- 84.8	0.3542	0.5575	0.7548	0.9583	1.1691	1.3866	1.6095	1.8371	2.0685	2.3031	2.5405	2.7802	3.0219	3.2653	3.5102	3.7565	4.0039	4.2525	24.9
65.1-67.0	85.0- 88.0	0.3830	0.5978	0.8052	1.0190	1.2407	1.4695	1.7044	1.9442	2.1883	2.4358	2.6864	2.9394	3.1947	3.4519	3.7107	3.9710	4.2327	4.4954	25.0
67.1-69.0	88.2- 91.3	0.4136	0.6403	0.8578	1.0820	1.3147	1.5551	1.8020	2.0543	2.3112	2.5719	2.8359	3.1027	3.3718	3.6430	3.9160	4.1907	4.4667	4.7441	25.1
69.1-71.0	91.4- 94.5	0.4462	0.6849	0.9127	1.1474	1.3912	1.6433	1.9024	2.1674	2.4374	2.7115	2.9891	3.2698	3.5531	3.8386	4.1261	4.4154	4.7062	4.9984	25.2
71.1-73.0	94.7- 97.9	0.4809	0.7320	0.9700	1.2153	1.4703	1.7342	2.0057	2.2836	2.5668	2.8545	3.1461	3.4409	3.7386	4.0387	4.3410	4.6451	4.9510	5.2584	25.3
73.1-75.0	98.0-101.2	0.5178	0.7815	1.0298	1.2857	1.5520	1.8279	2.1119	2.4028	2.6995	3.0010	3.3067	3.6159	3.9282	4.2432	4.5605	4.8799	5.2011	5.5239	25.3
75.1-77.0	101.4-104.6	0.5571	0.8336	1.0922	1.3587	1.6364	1.9243	2.2210	2.5251	2.8355	3.1510	3.4711	3.7949	4.1221	4.4522	4.7848	5.1196	5.4565	5.7951	25.4
77.1-79.0	104.8-108.1	0.5990	0.8883	1.1573	1.4345	1.7236	2.0237	2.3332	2.6506	2.9748	3.3046	3.6392	3.9779	4.3202	4.6656	5.0138	5.3644	5.7171	6.0717	25.4
79.1-81.0	108.2-111.5	0.6435	0.9460	1.2252	1.5130	1.8136	2.1259	2.4484	2.7793	3.1174	3.4616	3.8110	4.1648	4.5225	4.8835	5.2475	5.6141	5.9830	6.3540	25.5

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 1. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	2.3- 4.2	0.0007	0.0011	0.0014	0.0018	0.0022	0.0025	0.0029	0.0033	0.0036	0.0040	0.0044	0.0047	0.0051	0.0055	0.0058	0.0062	0.0066	0.0069	2.2
3.1- 5.0	4.3- 6.1	0.0028	0.0043	0.0057	0.0072	0.0087	0.0102	0.0117	0.0131	0.0146	0.0161	0.0176	0.0191	0.0206	0.0221	0.0236	0.0251	0.0265	0.0280	3.7
5.1- 7.0	6.2- 8.1	0.0058	0.0088	0.0119	0.0151	0.0182	0.0213	0.0244	0.0275	0.0306	0.0338	0.0369	0.0400	0.0432	0.0463	0.0494	0.0526	0.0557	0.0589	5.5
7.1- 9.0	8.2- 10.1	0.0096	0.0148	0.0200	0.0253	0.0305	0.0358	0.0411	0.0464	0.0516	0.0569	0.0622	0.0675	0.0728	0.0781	0.0835	0.0888	0.0941	0.0994	7.3
9.1-11.0	10.2- 12.2	0.0142	0.0220	0.0299	0.0378	0.0457	0.0536	0.0615	0.0695	0.0774	0.0854	0.0934	0.1013	0.1093	0.1173	0.1253	0.1333	0.1413	0.1493	9.1
11.1-13.0	12.3- 14.2	0.0196	0.0305	0.0414	0.0524	0.0635	0.0745	0.0856	0.0967	0.1079	0.1190	0.1301	0.1413	0.1524	0.1636	0.1748	0.1860	0.1972	0.2083	10.8
13.1-15.0	14.3- 16.3	0.0258	0.0402	0.0546	0.0692	0.0839	0.0986	0.1133	0.1280	0.1428	0.1576	0.1724	0.1872	0.2020	0.2169	0.2317	0.2466	0.2615	0.2763	12.4
15.1-17.0	16.4- 18.5	0.0327	0.0510	0.0695	0.0881	0.1068	0.1256	0.1445	0.1633	0.1822	0.2011	0.2201	0.2391	0.2580	0.2770	0.2960	0.3151	0.3341	0.3531	13.8
17.1-19.0	18.6- 20.6	0.0404	0.0630	0.0859	0.1090	0.1323	0.1556	0.1791	0.2025	0.2260	0.2496	0.2731	0.2967	0.3204	0.3440	0.3676	0.3913	0.4150	0.4387	15.1
19.1-21.0	20.7- 22.8	0.0488	0.0762	0.1039	0.1320	0.1603	0.1886	0.2171	0.2456	0.2742	0.3028	0.3315	0.3602	0.3890	0.4177	0.4465	0.4753	0.5041	0.5330	16.3
21.1-23.0	22.9- 25.0	0.0581	0.0905	0.1236	0.1570	0.1907	0.2245	0.2585	0.2926	0.3267	0.3609	0.3952	0.4295	0.4638	0.4982	0.5326	0.5670	0.6015	0.6359	17.4
23.1-25.0	25.1- 27.3	0.0681	0.1061	0.1448	0.1840	0.2236	0.2633	0.3033	0.3434	0.3835	0.4238	0.4641	0.5045	0.5449	0.5854	0.6259	0.6664	0.7070	0.7476	18.4
25.1-27.0	27.4- 29.5	0.0790	0.1228	0.1676	0.2130	0.2589	0.3051	0.3515	0.3980	0.4447	0.4915	0.5383	0.5852	0.6322	0.6793	0.7264	0.7735	0.8207	0.8679	19.2
27.1-29.0	29.7- 31.8	0.0907	0.1407	0.1920	0.2441	0.2967	0.3498	0.4031	0.4565	0.5102	0.5639	0.6178	0.6718	0.7258	0.7799	0.8341	0.8883	0.9425	0.9969	20.0
29.1-31.0	32.0- 34.2	0.1034	0.1600	0.2181	0.2772	0.3371	0.3974	0.4580	0.5189	0.5800	0.6412	0.7026	0.7641	0.8257	0.8873	0.9490	1.0108	1.0727	1.1346	20.7
31.1-33.0	34.3- 36.5	0.1169	0.1804	0.2458	0.3124	0.3799	0.4479	0.5164	0.5852	0.6542	0.7234	0.7927	0.8622	0.9318	1.0015	1.0713	1.1411	1.2110	1.2810	21.3
33.1-35.0	36.6- 38.9	0.1315	0.2023	0.2752	0.3497	0.4252	0.5015	0.5782	0.6553	0.7327	0.8103	0.8881	0.9661	1.0442	1.1225	1.2008	1.2792	1.3577	1.4363	21.8
35.1-37.0	39.0- 41.3	0.1471	0.2254	0.3064	0.3891	0.4731	0.5580	0.6435	0.7294	0.8156	0.9022	0.9890	1.0759	1.1630	1.2503	1.3377	1.4252	1.5128	1.6005	22.3
37.1-39.0	41.4- 43.8	0.1638	0.2500	0.3393	0.4307	0.5236	0.6176	0.7122	0.8074	0.9030	0.9990	1.0952	1.1916	1.2883	1.3851	1.4820	1.5791	1.6762	1.7735	22.7
39.1-41.0	43.9- 46.2	0.1816	0.2760	0.3740	0.4745	0.5767	0.6802	0.7845	0.8894	0.9949	1.1007	1.2069	1.3133	1.4199	1.5268	1.6338	1.7409	1.8482	1.9556	23.0
41.1-43.0	46.4- 48.7	0.2006	0.3035	0.4105	0.5205	0.6325	0.7459	0.8603	0.9755	1.0912	1.2074	1.3240	1.4409	1.5581	1.6755	1.7930	1.9108	2.0287	2.1467	23.4
43.1-45.0	48.9- 51.3	0.2208	0.3326	0.4490	0.5688	0.6910	0.8148	0.9398	1.0656	1.1922	1.3192	1.4467	1.5746	1.7028	1.8312	1.9599	2.0887	2.2178	2.3470	23.6
45.1-47.0	51.4- 53.8	0.2424	0.3633	0.4894	0.6194	0.7522	0.8868	1.0228	1.1599	1.2977	1.4361	1.5751	1.7144	1.8541	1.9941	2.1344	2.2749	2.4156	2.5565	23.9
47.1-49.0	53.9- 56.4	0.2653	0.3957	0.5318	0.6724	0.8162	0.9621	1.1096	1.2583	1.4079	1.5582	1.7090	1.8604	2.0121	2.1642	2.3166	2.4693	2.6222	2.7753	24.1
49.1-51.0	56.5- 59.0	0.2897	0.4297	0.5762	0.7278	0.8830	1.0407	1.2001	1.3609	1.5228	1.6854	1.8487	2.0126	2.1769	2.3416	2.5067	2.6720	2.8377	3.0035	24.3
51.1-53.0	59.1- 61.6	0.3157	0.4656	0.6228	0.7857	0.9528	1.1226	1.2944	1.4678	1.6424	1.8179	1.9942	2.1711	2.3485	2.5264	2.7046	2.8832	3.0621	3.2412	24.5
53.1-55.0	61.8- 64.3	0.3433	0.5034	0.6715	0.8462	1.0254	1.2079	1.3926	1.5791	1.7669	1.9558	2.1455	2.3360	2.5270	2.7186	2.9105	3.1029	3.2956	3.4886	24.6
55.1-57.0	64.4- 67.0	0.3725	0.5431	0.7225	0.9093	1.1011	1.2966	1.4947	1.6948	1.8963	2.0991	2.3028	2.5073	2.7125	2.9183	3.1245	3.3312	3.5382	3.7456	24.7
57.1-59.0	67.1- 69.7	0.4036	0.5849	0.7758	0.9750	1.1799	1.3889	1.6008	1.8149	2.0307	2.2478	2.4660	2.6852	2.9051	3.1256	3.3466	3.5682	3.7902	4.0125	24.9
59.1-61.0	69.9- 72.5	0.4366	0.6287	0.8315	1.0435	1.2618	1.4847	1.7109	1.9395	2.1701	2.4021	2.6354	2.8696	3.1048	3.3406	3.5770	3.8140	4.0515	4.2893	24.9
61.1-63.0	72.6- 75.3	0.4716	0.6748	0.8897	1.1148	1.3470	1.5842	1.8251	2.0688	2.3146	2.5620	2.8109	3.0608	3.3117	3.5634	3.8158	4.0687	4.3222	4.5762	25.0
63.1-65.0	75.4- 78.1	0.5086	0.7231	0.9504	1.1890	1.4354	1.6874	1.9435	2.2027	2.4642	2.7276	2.9926	3.2588	3.5260	3.7941	4.0630	4.3325	4.6026	4.8732	25.1
65.1-67.0	78.2- 80.9	0.5479	0.7738	1.0138	1.2661	1.5272	1.7944	2.0662	2.3414	2.6192	2.8991	3.1806	3.4636	3.7477	4.0328	4.3187	4.6054	4.8927	5.1806	25.2
67.1-69.0	81.0- 83.8	0.5895	0.8270	1.0798	1.3463	1.6224	1.9053	2.1932	2.4849	2.7795	3.0764	3.3751	3.6754	3.9769	4.2796	4.5832	4.8875	5.1926	5.4984	25.2
69.1-71.0	83.9- 86.7	0.6336	0.8828	1.1487	1.4296	1.7211	2.0202	2.3247	2.6333	2.9452	3.2596	3.5761	3.8942	4.2138	4.5346	4.8564	5.1791	5.5025	5.8267	25.3
71.1-73.0	86.8- 89.6	0.6802	0.9413	1.2205	1.5162	1.8235	2.1390	2.4606	2.7868	3.1165	3.4489	3.7837	4.1203	4.4584	4.7979	5.1385	5.4801	5.8225	6.1657	25.3
73.1-75.0	89.7- 92.5	0.7295	1.0026	1.2953	1.6061	1.9295	2.2620	2.6012	2.9453	3.2933	3.6444	3.9979	4.3535	4.7109	5.0696	5.4296	5.7907	6.1527	6.5156	25.4
75.1-77.0	92.7- 95.5	0.7818	1.0668	1.3732	1.6993	2.0393	2.3893	2.7464	3.1090	3.4759	3.8461	4.2190	4.5942	4.9713	5.3499	5.7299	6.1111	6.4933	6.8764	25.4
77.1-79.0	95.6- 98.5	0.8370	1.1341	1.4543	1.7961	2.1530	2.5208	2.8964	3.2780	3.6642	4.0542	4.4470	4.8424	5.2398	5.6389	6.0395	6.4414	6.8444	7.2484	25.4
79.1-81.0	98.7-101.5	0.8954	1.2045	1.5388	1.8965	2.2707	2.6567	3.0513	3.4524	3.8585	4.2687	4.6821	5.0981	5.5164	5.9366	6.3585	6.7817	7.2061	7.6316	25.5

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 2. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: 1 TO 6, 9, 11 TO 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.8- 3.7	0.0005	0.0007	0.0009	0.0011	0.0013	0.0016	0.0018	0.0020	0.0023	0.0025	0.0027	0.0029	0.0032	0.0034	0.0036	0.0038	0.0041	0.0043	2.3
3.1- 5.0	3.9- 5.8	0.0023	0.0036	0.0048	0.0060	0.0073	0.0085	0.0098	0.0110	0.0123	0.0135	0.0148	0.0161	0.0173	0.0186	0.0198	0.0211	0.0224	0.0236	3.9
5.1- 7.0	5.9- 7.9	0.0050	0.0078	0.0106	0.0133	0.0161	0.0189	0.0217	0.0245	0.0273	0.0301	0.0329	0.0358	0.0386	0.0414	0.0442	0.0470	0.0498	0.0527	5.6
7.1- 9.0	8.0- 10.1	0.0087	0.0135	0.0183	0.0232	0.0280	0.0329	0.0378	0.0427	0.0477	0.0526	0.0575	0.0624	0.0674	0.0723	0.0773	0.0822	0.0872	0.0921	7.4
9.1-11.0	10.2- 12.2	0.0132	0.0205	0.0279	0.0353	0.0428	0.0504	0.0579	0.0654	0.0730	0.0806	0.0882	0.0958	0.1034	0.1110	0.1186	0.1263	0.1339	0.1415	9.1
11.1-13.0	12.3- 14.4	0.0185	0.0287	0.0392	0.0497	0.0604	0.0710	0.0817	0.0924	0.1032	0.1139	0.1247	0.1355	0.1463	0.1571	0.1679	0.1787	0.1896	0.2004	10.8
13.1-15.0	14.5- 16.6	0.0245	0.0382	0.0522	0.0663	0.0805	0.0947	0.1091	0.1234	0.1378	0.1523	0.1667	0.1812	0.1957	0.2102	0.2247	0.2392	0.2538	0.2684	12.4
15.1-17.0	16.7- 18.8	0.0314	0.0489	0.0667	0.0848	0.1030	0.1214	0.1398	0.1583	0.1768	0.1954	0.2140	0.2326	0.2513	0.2700	0.2887	0.3074	0.3261	0.3449	13.9
17.1-19.0	18.9- 21.0	0.0391	0.0607	0.0828	0.1052	0.1279	0.1507	0.1737	0.1967	0.2198	0.2430	0.2662	0.2895	0.3128	0.3361	0.3595	0.3829	0.4063	0.4297	15.3
19.1-21.0	21.1- 23.3	0.0476	0.0736	0.1003	0.1275	0.1550	0.1827	0.2107	0.2387	0.2668	0.2950	0.3232	0.3516	0.3799	0.4083	0.4368	0.4653	0.4938	0.5223	16.6
21.1-23.0	23.4- 25.6	0.0569	0.0876	0.1192	0.1515	0.1842	0.2173	0.2505	0.2839	0.3174	0.3511	0.3848	0.4186	0.4524	0.4863	0.5203	0.5543	0.5884	0.6225	17.8
23.1-25.0	25.7- 27.9	0.0670	0.1027	0.1395	0.1772	0.2155	0.2542	0.2931	0.3323	0.3716	0.4110	0.4506	0.4903	0.5300	0.5699	0.6097	0.6497	0.6897	0.7297	18.9
25.1-27.0	28.0- 30.2	0.0780	0.1189	0.1612	0.2046	0.2487	0.2934	0.3384	0.3836	0.4291	0.4748	0.5206	0.5665	0.6125	0.6586	0.7048	0.7510	0.7974	0.8437	19.9
27.1-29.0	30.3- 32.6	0.0899	0.1361	0.1842	0.2336	0.2838	0.3347	0.3861	0.4378	0.4898	0.5420	0.5944	0.6469	0.6996	0.7523	0.8052	0.8581	0.9112	0.9643	20.9
29.1-31.0	32.7- 34.9	0.1028	0.1546	0.2085	0.2641	0.3208	0.3782	0.4363	0.4948	0.5536	0.6126	0.6719	0.7314	0.7910	0.8508	0.9107	0.9707	1.0308	1.0909	21.7
31.1-33.0	35.0- 37.3	0.1166	0.1741	0.2341	0.2961	0.3595	0.4238	0.4888	0.5543	0.6202	0.6865	0.7530	0.8198	0.8867	0.9538	1.0210	1.0884	1.1559	1.2235	22.5
33.1-35.0	37.4- 39.7	0.1315	0.1948	0.2610	0.3296	0.3999	0.4713	0.5435	0.6163	0.6897	0.7634	0.8375	0.9118	0.9864	1.0611	1.1360	1.2111	1.2863	1.3616	23.2
35.1-37.0	39.8- 42.2	0.1474	0.2166	0.2892	0.3646	0.4419	0.5206	0.6003	0.6808	0.7618	0.8433	0.9252	1.0073	1.0898	1.1725	1.2554	1.3384	1.4217	1.5050	23.8
37.1-39.0	42.3- 44.6	0.1645	0.2397	0.3187	0.4010	0.4856	0.5719	0.6592	0.7475	0.8364	0.9259	1.0159	1.1062	1.1968	1.2878	1.3789	1.4702	1.5618	1.6535	24.4
39.1-41.0	44.7- 47.1	0.1828	0.2639	0.3495	0.4389	0.5309	0.6248	0.7201	0.8164	0.9135	1.0113	1.1095	1.2083	1.3073	1.4067	1.5064	1.6063	1.7064	1.8067	25.0
41.1-43.0	47.2- 49.6	0.2023	0.2895	0.3816	0.4782	0.5778	0.6795	0.7829	0.8874	0.9929	1.0991	1.2060	1.3133	1.4211	1.5292	1.6377	1.7464	1.8553	1.9645	25.4
43.1-45.0	49.7- 52.1	0.2232	0.3163	0.4151	0.5189	0.6261	0.7359	0.8475	0.9605	1.0745	1.1895	1.3051	1.4213	1.5379	1.6550	1.7725	1.8903	2.0083	2.1266	25.9
45.1-47.0	52.3- 54.7	0.2454	0.3445	0.4499	0.5610	0.6760	0.7939	0.9139	1.0355	1.1583	1.2821	1.4067	1.5319	1.6577	1.7840	1.9107	2.0378	2.1652	2.2928	26.3
47.1-49.0	54.8- 57.2	0.2691	0.3740	0.4860	0.6044	0.7274	0.8535	0.9821	1.1124	1.2441	1.3769	1.5107	1.6452	1.7803	1.9160	2.0522	2.1887	2.3256	2.4629	26.6
49.1-51.0	57.4- 59.8	0.2944	0.4050	0.5235	0.6493	0.7802	0.9147	1.0519	1.1911	1.3319	1.4739	1.6170	1.7609	1.9056	2.0509	2.1967	2.3429	2.4896	2.6366	26.9
51.1-53.0	60.0- 62.4	0.3212	0.4374	0.5625	0.6956	0.8344	0.9774	1.1233	1.2715	1.4215	1.5730	1.7255	1.8791	2.0334	2.1884	2.3440	2.5002	2.6567	2.8137	27.2
53.1-55.0	62.6- 65.1	0.3498	0.4714	0.6028	0.7433	0.8901	1.0416	1.1963	1.3537	1.5130	1.6739	1.8361	1.9994	2.1636	2.3285	2.4941	2.6603	2.8270	2.9942	27.5
55.1-57.0	65.2- 67.7	0.3802	0.5069	0.6446	0.7923	0.9472	1.1072	1.2709	1.4375	1.6062	1.7767	1.9487	2.1219	2.2960	2.4711	2.6468	2.8232	3.0002	3.1777	27.7
57.1-59.0	67.9- 70.4	0.4124	0.5441	0.6878	0.8428	1.0057	1.1743	1.3470	1.5228	1.7011	1.8814	2.0632	2.2464	2.4307	2.6159	2.8020	2.9887	3.1761	3.3641	28.0
59.1-61.0	70.5- 73.1	0.4467	0.5830	0.7326	0.8948	1.0657	1.2428	1.4245	1.6097	1.7976	1.9877	2.1795	2.3728	2.5673	2.7629	2.9594	3.1567	3.3546	3.5532	28.1
61.1-63.0	73.3- 75.8	0.4830	0.6235	0.7789	0.9481	1.1270	1.3127	1.5035	1.6981	1.8956	2.0956	2.2975	2.5011	2.7059	2.9120	3.1190	3.3269	3.5355	3.7448	28.3
63.1-65.0	76.0- 78.6	0.5215	0.6659	0.8268	1.0029	1.1897	1.3840	1.5838	1.7879	1.9952	2.2051	2.4172	2.6310	2.8464	3.0630	3.2806	3.4993	3.7187	3.9389	28.5
65.1-67.0	78.7- 81.3	0.5623	0.7102	0.8763	1.0592	1.2538	1.4567	1.6656	1.8791	2.0962	2.3161	2.5384	2.7627	2.9885	3.2158	3.4442	3.6737	3.9040	4.1352	28.6
67.1-69.0	81.5- 84.1	0.6056	0.7564	0.9274	1.1170	1.3193	1.5307	1.7487	1.9717	2.1986	2.4286	2.6612	2.8959	3.1323	3.3703	3.6096	3.8500	4.0914	4.3336	28.8
69.1-71.0	84.3- 86.9	0.6514	0.8046	0.9802	1.1762	1.3862	1.6060	1.8331	2.0656	2.3023	2.5424	2.7854	3.0306	3.2777	3.5265	3.7766	4.0281	4.2805	4.5340	28.9
71.1-73.0	87.1- 89.8	0.6999	0.8549	1.0348	1.2370	1.4545	1.6827	1.9188	2.1607	2.4073	2.6576	2.9109	3.1667	3.4245	3.6841	3.9453	4.2078	4.4715	4.7361	29.0
73.1-75.0	89.9- 92.6	0.7512	0.9074	1.0911	1.2993	1.5242	1.7607	2.0058	2.2572	2.5136	2.7740	3.0377	3.3041	3.5727	3.8432	4.1154	4.3891	4.6640	4.9400	29.1
75.1-77.0	92.8- 95.5	0.8055	0.9621	1.1492	1.3632	1.5953	1.8401	2.0940	2.3549	2.6211	2.8917	3.1658	3.4428	3.7222	4.0037	4.2870	4.5718	4.8580	5.1454	29.2
77.1-79.0	95.7- 98.4	0.8629	1.0191	1.2091	1.4286	1.6678	1.9207	2.1835	2.4537	2.7298	3.0105	3.2950	3.5826	3.8729	4.1654	4.4598	4.7559	5.0534	5.3522	29.2
79.1-81.0	98.6-101.3	0.9236	1.0785	1.2710	1.4957	1.7418	2.0027	2.2742	2.5538	2.8396	3.1305	3.4254	3.7237	4.0247	4.3282	4.6338	4.9411	5.2501	5.5604	29.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 3. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	2.1- 4.0	0.0006	0.0008	0.0011	0.0014	0.0016	0.0019	0.0022	0.0025	0.0027	0.0030	0.0033	0.0036	0.0038	0.0041	0.0044	0.0047	0.0049	0.0052	2.2
3.1- 5.0	4.1- 6.0	0.0025	0.0038	0.0052	0.0065	0.0078	0.0092	0.0105	0.0118	0.0132	0.0145	0.0158	0.0172	0.0185	0.0199	0.0212	0.0225	0.0239	0.0252	3.8
5.1- 7.0	6.1- 8.0	0.0054	0.0083	0.0111	0.0140	0.0169	0.0198	0.0227	0.0256	0.0285	0.0314	0.0343	0.0372	0.0401	0.0430	0.0459	0.0488	0.0517	0.0547	5.6
7.1- 9.0	8.1- 10.1	0.0092	0.0141	0.0190	0.0240	0.0290	0.0340	0.0390	0.0439	0.0490	0.0540	0.0590	0.0640	0.0690	0.0740	0.0790	0.0841	0.0891	0.0941	7.4
9.1-11.0	10.2- 12.2	0.0138	0.0213	0.0288	0.0364	0.0440	0.0516	0.0592	0.0668	0.0744	0.0820	0.0897	0.0973	0.1050	0.1126	0.1203	0.1280	0.1356	0.1433	9.2
11.1-13.0	12.3- 14.3	0.0192	0.0298	0.0404	0.0510	0.0617	0.0724	0.0832	0.0939	0.1047	0.1154	0.1262	0.1370	0.1478	0.1586	0.1694	0.1802	0.1910	0.2019	10.9
13.1-15.0	14.4- 16.4	0.0255	0.0395	0.0537	0.0679	0.0822	0.0965	0.1108	0.1252	0.1396	0.1540	0.1684	0.1828	0.1972	0.2117	0.2262	0.2406	0.2551	0.2696	12.5
15.1-17.0	16.5- 18.6	0.0325	0.0505	0.0686	0.0869	0.1052	0.1236	0.1420	0.1605	0.1790	0.1975	0.2161	0.2346	0.2532	0.2718	0.2904	0.3090	0.3276	0.3463	14.0
17.1-19.0	18.7- 20.8	0.0402	0.0626	0.0852	0.1080	0.1308	0.1538	0.1768	0.1998	0.2229	0.2460	0.2691	0.2923	0.3155	0.3387	0.3619	0.3852	0.4084	0.4317	15.3
19.1-21.0	20.9- 23.0	0.0488	0.0759	0.1034	0.1311	0.1589	0.1869	0.2149	0.2430	0.2711	0.2993	0.3275	0.3557	0.3840	0.4123	0.4407	0.4690	0.4974	0.5258	16.5
21.1-23.0	23.1- 25.2	0.0581	0.0903	0.1231	0.1562	0.1894	0.2228	0.2563	0.2899	0.3236	0.3573	0.3910	0.4248	0.4587	0.4925	0.5264	0.5603	0.5943	0.6283	17.6
23.1-25.0	25.3- 27.4	0.0681	0.1059	0.1444	0.1832	0.2223	0.2616	0.3010	0.3406	0.3802	0.4199	0.4596	0.4994	0.5393	0.5792	0.6191	0.6590	0.6990	0.7391	18.6
25.1-27.0	27.6- 29.7	0.0789	0.1227	0.1672	0.2122	0.2576	0.3032	0.3490	0.3949	0.4409	0.4871	0.5332	0.5795	0.6258	0.6722	0.7186	0.7650	0.8115	0.8581	19.5
27.1-29.0	29.8- 32.0	0.0905	0.1405	0.1915	0.2431	0.2951	0.3475	0.4001	0.4528	0.5057	0.5587	0.6118	0.6649	0.7182	0.7715	0.8248	0.8782	0.9316	0.9851	20.2
29.1-31.0	32.1- 34.4	0.1029	0.1595	0.2172	0.2758	0.3350	0.3945	0.4543	0.5143	0.5745	0.6347	0.6952	0.7557	0.8162	0.8769	0.9376	0.9984	1.0593	1.1201	20.9
31.1-33.0	34.5- 36.7	0.1161	0.1796	0.2445	0.3105	0.3771	0.4442	0.5116	0.5793	0.6471	0.7152	0.7833	0.8516	0.9200	0.9884	1.0570	1.1256	1.1943	1.2630	21.5
33.1-35.0	36.8- 39.1	0.1302	0.2009	0.2733	0.3469	0.4214	0.4965	0.5719	0.6477	0.7237	0.7999	0.8762	0.9527	1.0293	1.1060	1.1828	1.2597	1.3367	1.4137	22.1
35.1-37.0	39.2- 41.5	0.1451	0.2233	0.3035	0.3853	0.4680	0.5514	0.6352	0.7195	0.8040	0.8888	0.9738	1.0589	1.1441	1.2295	1.3150	1.4006	1.4863	1.5720	22.6
37.1-39.0	41.6- 43.9	0.1609	0.2469	0.3353	0.4254	0.5167	0.6089	0.7016	0.7947	0.8882	0.9819	1.0759	1.1701	1.2644	1.3589	1.4535	1.5482	1.6431	1.7380	23.0
39.1-41.0	44.0- 46.4	0.1776	0.2716	0.3685	0.4674	0.5677	0.6689	0.7708	0.8732	0.9761	1.0792	1.1826	1.2863	1.3901	1.4941	1.5982	1.7025	1.8069	1.9114	23.4
41.1-43.0	46.5- 48.8	0.1952	0.2976	0.4032	0.5112	0.6208	0.7315	0.8430	0.9551	1.0677	1.1806	1.2939	1.4074	1.5211	1.6351	1.7492	1.8634	1.9778	2.0923	23.7
43.1-45.0	49.0- 51.3	0.2139	0.3248	0.4394	0.5568	0.6761	0.7966	0.9181	1.0402	1.1629	1.2861	1.4096	1.5334	1.6574	1.7817	1.9062	2.0308	2.1556	2.2805	24.0
45.1-47.0	51.5- 53.9	0.2335	0.3533	0.4772	0.6043	0.7335	0.8642	0.9960	1.1286	1.2619	1.3956	1.5297	1.6642	1.7990	1.9340	2.0692	2.2047	2.3403	2.4761	24.2
47.1-49.0	54.0- 56.4	0.2541	0.3830	0.5165	0.6535	0.7931	0.9343	1.0768	1.2202	1.3644	1.5091	1.6543	1.7998	1.9457	2.0919	2.2383	2.3850	2.5318	2.6788	24.4
49.1-51.0	56.6- 59.0	0.2759	0.4140	0.5573	0.7047	0.8548	1.0070	1.1605	1.3151	1.4705	1.6266	1.7831	1.9402	2.0976	2.2553	2.4133	2.5716	2.7301	2.8888	24.6
51.1-53.0	59.1- 61.6	0.2987	0.4463	0.5997	0.7576	0.9187	1.0821	1.2470	1.4131	1.5802	1.7480	1.9164	2.0853	2.2546	2.4242	2.5942	2.7645	2.9350	3.1058	24.8
53.1-55.0	61.7- 64.2	0.3228	0.4800	0.6436	0.8124	0.9848	1.1597	1.3363	1.5143	1.6934	1.8733	2.0539	2.2350	2.4166	2.5986	2.7810	2.9637	3.1467	3.3299	25.0
55.1-57.0	64.4- 66.9	0.3480	0.5151	0.6892	0.8691	1.0530	1.2397	1.4285	1.6187	1.8101	2.0025	2.1956	2.3894	2.5837	2.7784	2.9736	3.1691	3.3649	3.5609	25.1
57.1-59.0	67.0- 69.5	0.3745	0.5516	0.7364	0.9277	1.1234	1.3223	1.5234	1.7262	1.9304	2.1356	2.3416	2.5484	2.7557	2.9636	3.1719	3.3806	3.5896	3.7990	25.2
59.1-61.0	69.7- 72.2	0.4023	0.5896	0.7853	0.9882	1.1960	1.4073	1.6211	1.8369	2.0541	2.2725	2.4918	2.7120	2.9327	3.1541	3.3759	3.5982	3.8209	4.0439	25.3
61.1-63.0	72.4- 75.0	0.4314	0.6290	0.8358	1.0505	1.2707	1.4948	1.7217	1.9507	2.1813	2.4132	2.6462	2.8801	3.1147	3.3499	3.5857	3.8219	4.0586	4.2956	25.4
63.1-65.0	75.1- 77.7	0.4619	0.6700	0.8881	1.1148	1.3477	1.5848	1.8250	2.0676	2.3120	2.5578	2.8048	3.0528	3.3015	3.5510	3.8010	4.0516	4.3027	4.5541	25.5
65.1-67.0	77.9- 80.5	0.4939	0.7125	0.9420	1.1811	1.4268	1.6773	1.9311	2.1876	2.4461	2.7061	2.9675	3.2299	3.4932	3.7573	4.0220	4.2873	4.5531	4.8194	25.6
67.1-69.0	80.6- 83.3	0.5274	0.7567	0.9978	1.2493	1.5082	1.7722	2.0401	2.3108	2.5836	2.8583	3.1343	3.4116	3.6898	3.9688	4.2486	4.5290	4.8099	5.0914	25.6
69.1-71.0	83.4- 86.1	0.5625	0.8025	1.0553	1.3195	1.5918	1.8697	2.1518	2.4370	2.7246	3.0142	3.3053	3.5977	3.8911	4.1855	4.4807	4.7766	5.0730	5.3700	25.7
71.1-73.0	86.2- 88.9	0.5992	0.8500	1.1147	1.3917	1.6776	1.9697	2.2663	2.5663	2.8690	3.1738	3.4803	3.7882	4.0973	4.4074	4.7183	5.0300	5.3424	5.6553	25.7
73.1-75.0	89.1- 91.8	0.6376	0.8993	1.1759	1.4660	1.7657	2.0722	2.3836	2.6988	3.0168	3.3372	3.6594	3.9832	4.3082	4.6343	4.9614	5.2893	5.6179	5.9472	25.8
75.1-77.0	92.0- 94.7	0.6778	0.9504	1.2390	1.5423	1.8561	2.1772	2.5037	2.8343	3.1681	3.5043	3.8426	4.1825	4.5239	4.8664	5.2100	5.5544	5.8997	6.2456	25.8
77.1-79.0	94.9- 97.6	0.7198	1.0033	1.3041	1.6208	1.9488	2.2848	2.6267	2.9730	3.3227	3.6751	4.0298	4.3863	4.7443	5.1036	5.4640	5.8253	6.1876	6.5505	25.8
79.1-81.0	97.8-100.6	0.7637	1.0582	1.3711	1.7013	2.0438	2.3949	2.7524	3.1147	3.4807	3.8497	4.2211	4.5944	4.9694	5.3458	5.7234	6.1020	6.4816	6.8620	25.9

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 5. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	8.2- 10.1	0.0036	0.0062	0.0089	0.0116	0.0143	0.0170	0.0197	0.0224	0.0251	0.0278	0.0306	0.0333	0.0360	0.0388	0.0415	0.0442	0.0470	0.0497	7.3
9.1-11.0	10.2- 12.2	0.0087	0.0149	0.0211	0.0274	0.0336	0.0399	0.0462	0.0526	0.0589	0.0652	0.0715	0.0779	0.0842	0.0906	0.0969	0.1033	0.1097	0.1160	9.1
11.1-13.0	12.3- 14.2	0.0137	0.0233	0.0330	0.0427	0.0525	0.0623	0.0722	0.0820	0.0919	0.1017	0.1116	0.1215	0.1314	0.1413	0.1512	0.1611	0.1710	0.1809	10.8
13.1-15.0	14.3- 16.3	0.0189	0.0323	0.0458	0.0593	0.0730	0.0866	0.1003	0.1140	0.1277	0.1414	0.1552	0.1690	0.1827	0.1965	0.2103	0.2241	0.2379	0.2517	12.4
15.1-17.0	16.4- 18.5	0.0246	0.0421	0.0597	0.0775	0.0953	0.1132	0.1312	0.1491	0.1671	0.1851	0.2032	0.2212	0.2393	0.2574	0.2755	0.2936	0.3117	0.3298	13.8
17.1-19.0	18.6- 20.6	0.0307	0.0527	0.0749	0.0973	0.1198	0.1424	0.1650	0.1876	0.2103	0.2331	0.2558	0.2786	0.3014	0.3242	0.3471	0.3699	0.3928	0.4157	15.1
19.1-21.0	20.7- 22.8	0.0373	0.0642	0.0914	0.1188	0.1464	0.1740	0.2018	0.2296	0.2574	0.2853	0.3133	0.3412	0.3692	0.3972	0.4253	0.4534	0.4814	0.5095	16.3
21.1-23.0	22.9- 25.0	0.0444	0.0765	0.1091	0.1420	0.1751	0.2083	0.2417	0.2751	0.3085	0.3420	0.3756	0.4092	0.4429	0.4765	0.5103	0.5440	0.5778	0.6115	17.4
23.1-25.0	25.1- 27.3	0.0519	0.0897	0.1282	0.1670	0.2060	0.2453	0.2846	0.3241	0.3636	0.4032	0.4429	0.4826	0.5224	0.5622	0.6020	0.6419	0.6818	0.7218	18.4
25.1-27.0	27.4- 29.5	0.0600	0.1039	0.1485	0.1937	0.2391	0.2848	0.3306	0.3766	0.4227	0.4688	0.5151	0.5614	0.6077	0.6542	0.7006	0.7471	0.7937	0.8402	19.2
27.1-29.0	29.7- 31.8	0.0685	0.1189	0.1702	0.2221	0.2744	0.3270	0.3798	0.4327	0.4858	0.5390	0.5923	0.6456	0.6991	0.7526	0.8061	0.8597	0.9134	0.9671	20.0
29.1-31.0	32.0- 34.2	0.0776	0.1349	0.1932	0.2523	0.3119	0.3718	0.4320	0.4924	0.5530	0.6136	0.6744	0.7353	0.7963	0.8574	0.9185	0.9797	1.0410	1.1023	20.7
31.1-33.0	34.3- 36.5	0.0872	0.1517	0.2176	0.2843	0.3516	0.4193	0.4874	0.5557	0.6242	0.6928	0.7616	0.8306	0.8996	0.9687	1.0379	1.1072	1.1765	1.2459	21.3
33.1-35.0	36.6- 38.9	0.0973	0.1696	0.2433	0.3181	0.3935	0.4695	0.5459	0.6226	0.6995	0.7766	0.8539	0.9313	1.0089	1.0865	1.1643	1.2421	1.3201	1.3981	21.8
35.1-37.0	39.0- 41.3	0.1081	0.1884	0.2704	0.3536	0.4377	0.5224	0.6076	0.6931	0.7790	0.8650	0.9513	1.0377	1.1243	1.2110	1.2978	1.3847	1.4717	1.5588	22.3
37.1-39.0	41.4- 43.8	0.1194	0.2082	0.2989	0.3911	0.4842	0.5781	0.6725	0.7674	0.8626	0.9580	1.0537	1.1497	1.2457	1.3420	1.4383	1.5348	1.6314	1.7281	22.7
39.1-41.0	43.9- 46.2	0.1313	0.2290	0.3289	0.4303	0.5330	0.6365	0.7406	0.8453	0.9503	1.0557	1.1614	1.2673	1.3734	1.4797	1.5861	1.6927	1.7994	1.9062	23.0
41.1-43.0	46.4- 48.7	0.1439	0.2509	0.3602	0.4715	0.5840	0.6976	0.8120	0.9269	1.0423	1.1581	1.2742	1.3906	1.5072	1.6241	1.7411	1.8582	1.9755	2.0930	23.4
43.1-45.0	48.9- 51.3	0.1571	0.2738	0.3931	0.5145	0.6375	0.7616	0.8866	1.0123	1.1386	1.2653	1.3923	1.5197	1.6474	1.7753	1.9033	2.0316	2.1601	2.2887	23.6
45.1-47.0	51.4- 53.8	0.1711	0.2979	0.4275	0.5595	0.6933	0.8285	0.9646	1.1016	1.2391	1.3772	1.5157	1.6546	1.7938	1.9333	2.0730	2.2129	2.3530	2.4933	23.9
47.1-49.0	53.9- 56.4	0.1857	0.3231	0.4634	0.6065	0.7516	0.8982	1.0459	1.1946	1.3440	1.4940	1.6445	1.7954	1.9467	2.0982	2.2500	2.4021	2.5544	2.7069	24.1
49.1-51.0	56.5- 59.0	0.2011	0.3494	0.5010	0.6555	0.8123	0.9708	1.1307	1.2916	1.4533	1.6157	1.7787	1.9421	2.1059	2.2701	2.4346	2.5994	2.7644	2.9296	24.3
51.1-53.0	59.1- 61.6	0.2173	0.3770	0.5401	0.7065	0.8755	1.0464	1.2188	1.3925	1.5670	1.7423	1.9183	2.0948	2.2717	2.4491	2.6268	2.8047	2.9830	3.1615	24.5
53.1-55.0	61.8- 64.3	0.2343	0.4058	0.5809	0.7596	0.9412	1.1250	1.3105	1.4973	1.6852	1.8740	2.0634	2.2535	2.4441	2.6351	2.8266	3.0183	3.2104	3.4028	24.6
55.1-57.0	64.4- 67.0	0.2521	0.4359	0.6234	0.8149	1.0095	1.2067	1.4057	1.6062	1.8080	2.0107	2.2142	2.4184	2.6231	2.8284	3.0341	3.2402	3.4466	3.6534	24.7
57.1-59.0	67.1- 69.7	0.2708	0.4674	0.6676	0.8723	1.0805	1.2914	1.5045	1.7192	1.9353	2.1525	2.3706	2.5894	2.8089	3.0289	3.2495	3.4704	3.6918	3.9135	24.9
59.1-61.0	69.9- 72.5	0.2904	0.5002	0.7137	0.9319	1.1541	1.3793	1.6069	1.8364	2.0673	2.2995	2.5327	2.7667	3.0015	3.2368	3.4728	3.7092	3.9460	4.1832	24.9
61.1-63.0	72.6- 75.3	0.3110	0.5344	0.7616	0.9939	1.2305	1.4705	1.7131	1.9577	2.2041	2.4518	2.7006	2.9503	3.2009	3.4522	3.7041	3.9565	4.2094	4.4627	25.0
63.1-65.0	75.4- 78.1	0.3326	0.5701	0.8114	1.0581	1.3096	1.5648	1.8229	2.0833	2.3456	2.6093	2.8743	3.1404	3.4074	3.6751	3.9435	4.2125	4.4820	4.7520	25.1
65.1-67.0	78.2- 80.9	0.3553	0.6073	0.8631	1.1248	1.3916	1.6625	1.9366	2.2133	2.4920	2.7723	3.0541	3.3370	3.6209	3.9056	4.1911	4.4772	4.7640	5.0512	25.2
67.1-69.0	81.0- 83.8	0.3790	0.6461	0.9168	1.1939	1.4765	1.7636	2.0542	2.3476	2.6433	2.9408	3.2398	3.5401	3.8415	4.1438	4.4470	4.7509	5.0554	5.3605	25.2
69.1-71.0	83.9- 86.7	0.4039	0.6866	0.9726	1.2654	1.5643	1.8681	2.1757	2.4864	2.7996	3.1148	3.4316	3.7499	4.0694	4.3899	4.7113	5.0336	5.3565	5.6800	25.3
71.1-73.0	86.8- 89.6	0.4300	0.7287	1.0305	1.3396	1.6552	1.9761	2.3013	2.6298	2.9610	3.2944	3.6297	3.9665	4.3046	4.6439	4.9842	5.3253	5.6672	6.0099	25.3
73.1-75.0	89.7- 92.5	0.4573	0.7726	1.0906	1.4163	1.7491	2.0877	2.4309	2.7777	3.1275	3.4797	3.8340	4.1899	4.5473	4.9059	5.2657	5.6263	5.9879	6.3501	25.4
75.1-77.0	92.7- 95.5	0.4859	0.8183	1.1529	1.4958	1.8462	2.2029	2.5646	2.9303	3.2993	3.6708	4.0446	4.4203	4.7975	5.1761	5.5559	5.9367	6.3184	6.7010	25.4
77.1-79.0	95.6- 98.5	0.5158	0.8658	1.2176	1.5779	1.9465	2.3219	2.7026	3.0877	3.4763	3.8678	4.2617	4.6577	5.0553	5.4545	5.8549	6.2565	6.6591	7.0626	25.4
79.1-81.0	98.7-101.5	0.5472	0.9153	1.2846	1.6630	2.0501	2.4446	2.8449	3.2500	3.6588	4.0708	4.4854	4.9022	5.3209	5.7413	6.1630	6.5859	7.0100	7.4350	25.5

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 6. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.2	0.0078	0.0137	0.0197	0.0257	0.0317	0.0378	0.0438	0.0499	0.0560	0.0621	0.0682	0.0743	0.0805	0.0866	0.0927	0.0989	0.1050	0.1112	10.8
13.1-15.0	14.3- 16.3	0.0144	0.0252	0.0360	0.0470	0.0580	0.0691	0.0801	0.0913	0.1024	0.1135	0.1247	0.1359	0.1471	0.1582	0.1694	0.1807	0.1919	0.2031	12.4
15.1-17.0	16.4- 18.5	0.0209	0.0362	0.0518	0.0675	0.0833	0.0991	0.1150	0.1309	0.1468	0.1628	0.1788	0.1948	0.2108	0.2269	0.2429	0.2590	0.2750	0.2911	13.8
17.1-19.0	18.6- 20.6	0.0275	0.0476	0.0681	0.0888	0.1095	0.1304	0.1513	0.1722	0.1932	0.2142	0.2353	0.2563	0.2774	0.2985	0.3196	0.3408	0.3619	0.3831	15.1
19.1-21.0	20.7- 22.8	0.0344	0.0597	0.0854	0.1113	0.1374	0.1635	0.1898	0.2161	0.2425	0.2689	0.2954	0.3218	0.3484	0.3749	0.4015	0.4280	0.4546	0.4812	16.3
21.1-23.0	22.9- 25.0	0.0417	0.0724	0.1037	0.1353	0.1670	0.1989	0.2309	0.2630	0.2952	0.3274	0.3597	0.3920	0.4243	0.4567	0.4891	0.5215	0.5540	0.5864	17.4
23.1-25.0	25.1- 27.3	0.0495	0.0860	0.1232	0.1608	0.1987	0.2367	0.2749	0.3132	0.3515	0.3900	0.4285	0.4670	0.5056	0.5443	0.5829	0.6216	0.6604	0.6992	18.4
25.1-27.0	27.4- 29.5	0.0577	0.1004	0.1439	0.1880	0.2323	0.2769	0.3217	0.3666	0.4116	0.4567	0.5019	0.5472	0.5925	0.6378	0.6832	0.7287	0.7741	0.8197	19.2
27.1-29.0	29.7- 31.8	0.0663	0.1156	0.1659	0.2168	0.2681	0.3197	0.3715	0.4235	0.4756	0.5278	0.5801	0.6325	0.6850	0.7375	0.7901	0.8427	0.8954	0.9481	20.0
29.1-31.0	32.0- 34.2	0.0755	0.1318	0.1892	0.2473	0.3060	0.3650	0.4243	0.4838	0.5434	0.6032	0.6632	0.7232	0.7833	0.8434	0.9037	0.9640	1.0243	1.0848	20.7
31.1-33.0	34.3- 36.5	0.0852	0.1488	0.2137	0.2796	0.3460	0.4129	0.4801	0.5476	0.6153	0.6831	0.7511	0.8192	0.8874	0.9557	1.0241	1.0925	1.1610	1.2296	21.3
33.1-35.0	36.6- 38.9	0.0955	0.1668	0.2396	0.3136	0.3882	0.4634	0.5390	0.6150	0.6911	0.7675	0.8440	0.9206	0.9974	1.0743	1.1513	1.2284	1.3055	1.3828	21.8
35.1-37.0	39.0- 41.3	0.1063	0.1857	0.2669	0.3493	0.4327	0.5166	0.6011	0.6859	0.7710	0.8563	0.9419	1.0276	1.1134	1.1994	1.2855	1.3717	1.4580	1.5444	22.3
37.1-39.0	41.4- 43.8	0.1176	0.2056	0.2955	0.3869	0.4793	0.5725	0.6663	0.7604	0.8550	0.9498	1.0448	1.1401	1.2355	1.3310	1.4267	1.5225	1.6185	1.7145	22.7
39.1-41.0	43.9- 46.2	0.1296	0.2265	0.3256	0.4263	0.5283	0.6311	0.7346	0.8387	0.9431	1.0478	1.1529	1.2581	1.3636	1.4692	1.5750	1.6810	1.7870	1.8932	23.0
41.1-43.0	46.4- 48.7	0.1423	0.2485	0.3571	0.4676	0.5795	0.6925	0.8062	0.9206	1.0354	1.1506	1.2661	1.3819	1.4979	1.6141	1.7305	1.8471	1.9638	2.0806	23.4
43.1-45.0	48.9- 51.3	0.1556	0.2715	0.3900	0.5108	0.6331	0.7567	0.8811	1.0062	1.1319	1.2580	1.3845	1.5113	1.6384	1.7657	1.8932	2.0209	2.1488	2.2768	23.6
45.1-47.0	51.4- 53.8	0.1695	0.2956	0.4245	0.5559	0.6891	0.8237	0.9593	1.0956	1.2327	1.3702	1.5082	1.6465	1.7852	1.9241	2.0633	2.2026	2.3422	2.4819	23.9
47.1-49.0	53.9- 56.4	0.1842	0.3208	0.4605	0.6030	0.7475	0.8935	1.0407	1.1889	1.3378	1.4872	1.6372	1.7876	1.9383	2.0894	2.2407	2.3922	2.5440	2.6959	24.1
49.1-51.0	56.5- 59.0	0.1996	0.3472	0.4981	0.6520	0.8083	0.9663	1.1256	1.2860	1.4472	1.6091	1.7716	1.9345	2.0979	2.2616	2.4255	2.5898	2.7543	2.9190	24.3
51.1-53.0	59.1- 61.6	0.2158	0.3749	0.5373	0.7031	0.8716	1.0420	1.2139	1.3870	1.5611	1.7359	1.9114	2.0874	2.2639	2.4408	2.6180	2.7955	2.9733	3.1513	24.5
53.1-55.0	61.8- 64.3	0.2329	0.4037	0.5782	0.7563	0.9374	1.1207	1.3057	1.4920	1.6795	1.8677	2.0568	2.2464	2.4365	2.6271	2.8180	3.0093	3.2010	3.3928	24.6
55.1-57.0	64.4- 67.0	0.2507	0.4339	0.6207	0.8116	1.0058	1.2024	1.4010	1.6011	1.8023	2.0046	2.2077	2.4114	2.6157	2.8205	3.0258	3.2314	3.4374	3.6437	24.7
57.1-59.0	67.1- 69.7	0.2694	0.4653	0.6650	0.8691	1.0768	1.2873	1.4999	1.7142	1.9298	2.1465	2.3642	2.5826	2.8016	3.0213	3.2414	3.4619	3.6828	3.9041	24.9
59.1-61.0	69.9- 72.5	0.2891	0.4982	0.7111	0.9288	1.1505	1.3753	1.6024	1.8314	2.0619	2.2937	2.5264	2.7600	2.9944	3.2293	3.4649	3.7008	3.9373	4.1741	24.9
61.1-63.0	72.6- 75.3	0.3097	0.5324	0.7590	0.9908	1.2269	1.4664	1.7086	1.9528	2.1988	2.4460	2.6944	2.9438	3.1940	3.4448	3.6963	3.9483	4.2008	4.4537	25.0
63.1-65.0	75.4- 78.1	0.3313	0.5682	0.8088	1.0551	1.3061	1.5609	1.8185	2.0785	2.3404	2.6037	2.8683	3.1340	3.4005	3.6679	3.9359	4.2045	4.4736	4.7432	25.1
65.1-67.0	78.2- 80.9	0.3540	0.6054	0.8606	1.1218	1.3881	1.6586	1.9323	2.2085	2.4868	2.7668	3.0481	3.3306	3.6141	3.8985	4.1836	4.4694	4.7557	5.0426	25.2
67.1-69.0	81.0- 83.8	0.3778	0.6442	0.9143	1.1909	1.4731	1.7597	2.0499	2.3429	2.6382	2.9353	3.2339	3.5339	3.8349	4.1369	4.4397	4.7432	5.0473	5.3520	25.2
69.1-71.0	83.9- 86.7	0.4027	0.6847	0.9702	1.2625	1.5609	1.8643	2.1715	2.4818	2.7946	3.1094	3.4259	3.7438	4.0629	4.3830	4.7041	5.0259	5.3485	5.6717	25.3
71.1-73.0	86.8- 89.6	0.4288	0.7269	1.0281	1.3366	1.6518	1.9723	2.2971	2.6252	2.9560	3.2890	3.6239	3.9604	4.2982	4.6371	4.9770	5.3178	5.6594	6.0016	25.3
73.1-75.0	89.7- 92.5	0.4561	0.7707	1.0882	1.4134	1.7458	2.0839	2.4267	2.7732	3.1226	3.4744	3.8283	4.1839	4.5409	4.8992	5.2586	5.6189	5.9801	6.3420	25.4
75.1-77.0	92.7- 95.5	0.4847	0.8165	1.1505	1.4929	1.8429	2.1992	2.5605	2.9258	3.2944	3.6656	4.0390	4.4143	4.7912	5.1694	5.5489	5.9293	6.3107	6.6929	25.4
77.1-79.0	95.6- 98.5	0.5147	0.8640	1.2152	1.5751	1.9432	2.3182	2.6985	3.0832	3.4715	3.8626	4.2562	4.6518	5.0491	5.4479	5.8480	6.2492	6.6515	7.0546	25.4
79.1-81.0	98.7-101.5	0.5461	0.9136	1.2823	1.6601	2.0469	2.4409	2.8408	3.2455	3.6540	4.0656	4.4799	4.8964	5.3147	5.7347	6.1561	6.5787	7.0024	7.4271	25.5

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 7. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.2	0.0043	0.0072	0.0099	0.0123	0.0147	0.0170	0.0193	0.0215	0.0236	0.0258	0.0279	0.0300	0.0322	0.0343	0.0363	0.0384	0.0405	0.0426	10.8
13.1-15.0	14.3- 16.3	0.0119	0.0209	0.0301	0.0393	0.0486	0.0579	0.0672	0.0766	0.0860	0.0954	0.1048	0.1142	0.1237	0.1331	0.1426	0.1521	0.1615	0.1710	12.4
15.1-17.0	16.4- 18.5	0.0189	0.0330	0.0473	0.0617	0.0763	0.0909	0.1056	0.1202	0.1350	0.1497	0.1644	0.1792	0.1940	0.2088	0.2236	0.2385	0.2533	0.2681	13.8
17.1-19.0	18.6- 20.6	0.0258	0.0449	0.0644	0.0841	0.1038	0.1237	0.1436	0.1636	0.1836	0.2036	0.2237	0.2438	0.2639	0.2840	0.3042	0.3243	0.3445	0.3647	15.1
19.1-21.0	20.7- 22.8	0.0329	0.0573	0.0822	0.1073	0.1325	0.1578	0.1833	0.2088	0.2343	0.2599	0.2855	0.3112	0.3369	0.3626	0.3883	0.4141	0.4399	0.4656	16.3
21.1-23.0	22.9- 25.0	0.0404	0.0704	0.1009	0.1317	0.1627	0.1939	0.2252	0.2566	0.2880	0.3195	0.3511	0.3827	0.4143	0.4460	0.4776	0.5093	0.5411	0.5728	17.4
23.1-25.0	25.1- 27.3	0.0482	0.0841	0.1206	0.1576	0.1948	0.2322	0.2698	0.3074	0.3451	0.3829	0.4208	0.4587	0.4967	0.5347	0.5727	0.6108	0.6489	0.6870	18.4
25.1-27.0	27.4- 29.5	0.0565	0.0986	0.1416	0.1850	0.2288	0.2728	0.3170	0.3614	0.4058	0.4504	0.4950	0.5396	0.5844	0.6292	0.6740	0.7189	0.7638	0.8087	19.2
27.1-29.0	29.7- 31.8	0.0653	0.1140	0.1637	0.2141	0.2648	0.3159	0.3672	0.4187	0.4702	0.5219	0.5737	0.6256	0.6776	0.7296	0.7816	0.8338	0.8859	0.9381	20.0
29.1-31.0	32.0- 34.2	0.0745	0.1302	0.1871	0.2448	0.3029	0.3615	0.4203	0.4793	0.5385	0.5978	0.6573	0.7168	0.7764	0.8361	0.8959	0.9557	1.0156	1.0755	20.7
31.1-33.0	34.3- 36.5	0.0843	0.1474	0.2118	0.2772	0.3432	0.4096	0.4764	0.5434	0.6107	0.6781	0.7456	0.8133	0.8810	0.9489	1.0168	1.0848	1.1529	1.2210	21.3
33.1-35.0	36.6- 38.9	0.0946	0.1654	0.2378	0.3113	0.3856	0.4603	0.5355	0.6110	0.6868	0.7627	0.8388	0.9151	0.9915	1.0679	1.1445	1.2212	1.2979	1.3747	21.8
35.1-37.0	39.0- 41.3	0.1054	0.1844	0.2652	0.3472	0.4301	0.5137	0.5978	0.6822	0.7669	0.8519	0.9370	1.0223	1.1078	1.1934	1.2791	1.3649	1.4508	1.5368	22.3
37.1-39.0	41.4- 43.8	0.1168	0.2043	0.2939	0.3849	0.4769	0.5697	0.6631	0.7569	0.8511	0.9455	1.0402	1.1351	1.2302	1.3254	1.4207	1.5162	1.6117	1.7074	22.7
39.1-41.0	43.9- 46.2	0.1289	0.2253	0.3240	0.4244	0.5260	0.6285	0.7316	0.8353	0.9394	1.0438	1.1485	1.2534	1.3586	1.4639	1.5693	1.6749	1.7806	1.8865	23.0
41.1-43.0	46.4- 48.7	0.1415	0.2473	0.3555	0.4657	0.5773	0.6899	0.8033	0.9174	1.0318	1.1467	1.2619	1.3774	1.4931	1.6090	1.7251	1.8413	1.9577	2.0742	23.4
43.1-45.0	48.9- 51.3	0.1548	0.2703	0.3886	0.5090	0.6310	0.7542	0.8783	1.0031	1.1285	1.2543	1.3805	1.5070	1.6338	1.7608	1.8880	2.0154	2.1430	2.2707	23.6
45.1-47.0	51.4- 53.8	0.1688	0.2945	0.4231	0.5541	0.6870	0.8213	0.9566	1.0927	1.2294	1.3667	1.5044	1.6424	1.7808	1.9194	2.0583	2.1973	2.3366	2.4761	23.9
47.1-49.0	53.9- 56.4	0.1835	0.3198	0.4591	0.6012	0.7454	0.8912	1.0381	1.1860	1.3346	1.4838	1.6335	1.7836	1.9341	2.0848	2.2359	2.3872	2.5386	2.6903	24.1
49.1-51.0	56.5- 59.0	0.1990	0.3462	0.4967	0.6503	0.8063	0.9640	1.1231	1.2832	1.4442	1.6058	1.7680	1.9307	2.0938	2.2572	2.4209	2.5849	2.7492	2.9136	24.3
51.1-53.0	59.1- 61.6	0.2152	0.3738	0.5360	0.7015	0.8697	1.0398	1.2115	1.3843	1.5582	1.7327	1.9080	2.0837	2.2599	2.4366	2.6135	2.7908	2.9683	3.1461	24.5
53.1-55.0	61.8- 64.3	0.2322	0.4027	0.5769	0.7547	0.9355	1.1186	1.3033	1.4894	1.6766	1.8646	2.0534	2.2428	2.4327	2.6230	2.8137	3.0048	3.1962	3.3878	24.6
55.1-57.0	64.4- 67.0	0.2501	0.4329	0.6194	0.8101	1.0040	1.2004	1.3987	1.5985	1.7995	2.0016	2.2044	2.4079	2.6120	2.8166	3.0216	3.2270	3.4328	3.6389	24.7
57.1-59.0	67.1- 69.7	0.2688	0.4644	0.6638	0.8676	1.0750	1.2852	1.4976	1.7117	1.9271	2.1436	2.3610	2.5792	2.7980	3.0174	3.2373	3.4576	3.6783	3.8994	24.9
59.1-61.0	69.9- 72.5	0.2885	0.4972	0.7099	0.9273	1.1488	1.3733	1.6002	1.8290	2.0593	2.2908	2.5233	2.7567	2.9908	3.2256	3.4609	3.6967	3.9329	4.1695	24.9
61.1-63.0	72.6- 75.3	0.3091	0.5315	0.7578	0.9893	1.2252	1.4645	1.7064	1.9505	2.1962	2.4432	2.6914	2.9406	3.1905	3.4412	3.6925	3.9443	4.1965	4.4492	25.0
63.1-65.0	75.4- 78.1	0.3308	0.5673	0.8076	1.0537	1.3044	1.5590	1.8164	2.0762	2.3378	2.6010	2.8654	3.1308	3.3972	3.6643	3.9321	4.2005	4.4694	4.7388	25.1
65.1-67.0	78.2- 80.9	0.3534	0.6045	0.8594	1.1204	1.3865	1.6567	1.9302	2.2062	2.4843	2.7641	3.0452	3.3275	3.6108	3.8950	4.1799	4.4655	4.7516	5.0383	25.2
67.1-69.0	81.0- 83.8	0.3772	0.6434	0.9132	1.1895	1.4714	1.7579	2.0479	2.3407	2.6357	2.9326	3.2311	3.5308	3.8317	4.1334	4.4360	4.7394	5.0433	5.3478	25.2
69.1-71.0	83.9- 86.7	0.4021	0.6839	0.9690	1.2611	1.5593	1.8625	2.1695	2.4796	2.7921	3.1067	3.4230	3.7408	4.0597	4.3797	4.7005	5.0222	5.3446	5.6676	25.3
71.1-73.0	86.8- 89.6	0.4282	0.7260	1.0270	1.3353	1.6502	1.9705	2.2951	2.6230	2.9536	3.2865	3.6212	3.9575	4.2951	4.6338	4.9735	5.3141	5.6555	5.9976	25.3
73.1-75.0	89.7- 92.5	0.4556	0.7699	1.0871	1.4121	1.7442	2.0822	2.4247	2.7710	3.1202	3.4719	3.8256	4.1810	4.5378	4.8959	5.2551	5.6153	5.9763	6.3380	25.4
75.1-77.0	92.7- 95.5	0.4842	0.8156	1.1495	1.4916	1.8414	2.1974	2.5586	2.9237	3.2920	3.6631	4.0363	4.4114	4.7881	5.1662	5.5455	5.9258	6.3070	6.6890	25.4
77.1-79.0	95.6- 98.5	0.5142	0.8632	1.2141	1.5738	1.9417	2.3164	2.6966	3.0811	3.4692	3.8601	4.2535	4.6489	5.0461	5.4447	5.8446	6.2457	6.6478	7.0507	25.4
79.1-81.0	98.7-101.5	0.5456	0.9128	1.2812	1.6588	2.0453	2.4392	2.8389	3.2434	3.6517	4.0632	4.4773	4.8936	5.3118	5.7316	6.1528	6.5752	6.9988	7.4233	25.5

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 11. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: 1 TO 6, 9, 11 TO 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	8.0- 10.1	0.0028	0.0048	0.0069	0.0089	0.0110	0.0130	0.0151	0.0171	0.0192	0.0213	0.0233	0.0254	0.0275	0.0296	0.0316	0.0337	0.0358	0.0379	7.4
9.1-11.0	10.2- 12.2	0.0076	0.0131	0.0188	0.0245	0.0302	0.0360	0.0417	0.0475	0.0533	0.0591	0.0649	0.0708	0.0766	0.0824	0.0882	0.0941	0.0999	0.1058	9.1
11.1-13.0	12.3- 14.4	0.0123	0.0212	0.0304	0.0395	0.0488	0.0581	0.0674	0.0767	0.0861	0.0954	0.1048	0.1142	0.1236	0.1330	0.1425	0.1519	0.1613	0.1708	10.8
13.1-15.0	14.5- 16.6	0.0173	0.0299	0.0428	0.0558	0.0688	0.0820	0.0951	0.1084	0.1216	0.1349	0.1482	0.1615	0.1748	0.1881	0.2015	0.2149	0.2282	0.2416	12.4
15.1-17.0	16.7- 18.8	0.0226	0.0393	0.0563	0.0734	0.0907	0.1081	0.1255	0.1430	0.1605	0.1781	0.1957	0.2133	0.2310	0.2486	0.2663	0.2840	0.3018	0.3195	13.9
17.1-19.0	18.9- 21.0	0.0284	0.0494	0.0709	0.0926	0.1144	0.1364	0.1585	0.1807	0.2029	0.2252	0.2475	0.2698	0.2922	0.3146	0.3371	0.3596	0.3821	0.4046	15.3
19.1-21.0	21.1- 23.3	0.0346	0.0603	0.0866	0.1132	0.1400	0.1670	0.1941	0.2213	0.2486	0.2760	0.3035	0.3310	0.3585	0.3861	0.4137	0.4414	0.4691	0.4968	16.6
21.1-23.0	23.4- 25.6	0.0413	0.0720	0.1033	0.1352	0.1673	0.1997	0.2322	0.2649	0.2977	0.3306	0.3636	0.3966	0.4297	0.4628	0.4960	0.5293	0.5625	0.5959	17.8
23.1-25.0	25.7- 27.9	0.0483	0.0844	0.1212	0.1586	0.1964	0.2345	0.2728	0.3113	0.3499	0.3887	0.4276	0.4665	0.5055	0.5446	0.5838	0.6230	0.6623	0.7016	18.9
25.1-27.0	28.0- 30.2	0.0558	0.0975	0.1400	0.1833	0.2271	0.2712	0.3157	0.3603	0.4052	0.4502	0.4953	0.5406	0.5859	0.6313	0.6768	0.7224	0.7680	0.8137	19.9
27.1-29.0	30.3- 32.6	0.0638	0.1113	0.1598	0.2093	0.2593	0.3099	0.3608	0.4119	0.4633	0.5149	0.5667	0.6186	0.6706	0.7227	0.7748	0.8271	0.8795	0.9319	20.9
29.1-31.0	32.7- 34.9	0.0722	0.1258	0.1807	0.2365	0.2932	0.3504	0.4080	0.4660	0.5243	0.5828	0.6415	0.7003	0.7593	0.8184	0.8777	0.9370	0.9964	1.0559	21.7
31.1-33.0	35.0- 37.3	0.0811	0.1411	0.2024	0.2650	0.3284	0.3926	0.4573	0.5224	0.5878	0.6536	0.7195	0.7857	0.8520	0.9184	0.9851	1.0518	1.1186	1.1855	22.5
33.1-35.0	37.4- 39.7	0.0904	0.1570	0.2251	0.2946	0.3651	0.4365	0.5085	0.5810	0.6539	0.7271	0.8007	0.8744	0.9484	1.0225	1.0968	1.1712	1.2458	1.3204	23.2
35.1-37.0	39.8- 42.2	0.1002	0.1737	0.2487	0.3253	0.4032	0.4820	0.5616	0.6417	0.7224	0.8034	0.8848	0.9664	1.0483	1.1304	1.2126	1.2951	1.3777	1.4604	23.8
37.1-39.0	42.3- 44.6	0.1106	0.1911	0.2733	0.3572	0.4426	0.5291	0.6164	0.7045	0.7931	0.8822	0.9717	1.0615	1.1516	1.2419	1.3324	1.4232	1.5141	1.6051	24.4
39.1-41.0	44.7- 47.1	0.1214	0.2093	0.2987	0.3901	0.4832	0.5776	0.6730	0.7692	0.8661	0.9635	1.0613	1.1595	1.2581	1.3569	1.4560	1.5553	1.6548	1.7544	25.0
41.1-43.0	47.2- 49.6	0.1329	0.2281	0.3250	0.4241	0.5251	0.6276	0.7312	0.8358	0.9411	1.0470	1.1535	1.2603	1.3676	1.4752	1.5830	1.6911	1.7995	1.9080	25.4
43.1-45.0	49.7- 52.1	0.1448	0.2478	0.3523	0.4592	0.5682	0.6790	0.7910	0.9041	1.0181	1.1328	1.2480	1.3638	1.4800	1.5965	1.7134	1.8306	1.9481	2.0657	25.9
45.1-47.0	52.3- 54.7	0.1574	0.2681	0.3804	0.4953	0.6125	0.7317	0.8523	0.9742	1.0970	1.2206	1.3449	1.4698	1.5951	1.7209	1.8470	1.9735	2.1003	2.2273	26.3
47.1-49.0	54.8- 57.2	0.1705	0.2893	0.4094	0.5324	0.6580	0.7857	0.9151	1.0458	1.1777	1.3104	1.4440	1.5781	1.7128	1.8480	1.9836	2.1196	2.2559	2.3925	26.6
49.1-51.0	57.4- 59.8	0.1843	0.3112	0.4393	0.5705	0.7045	0.8409	0.9792	1.1190	1.2601	1.4022	1.5451	1.6887	1.8330	1.9778	2.1230	2.2687	2.4148	2.5612	26.9
51.1-53.0	60.0- 62.4	0.1987	0.3340	0.4701	0.6096	0.7522	0.8974	1.0447	1.1937	1.3441	1.4957	1.6482	1.8015	1.9554	2.1100	2.2652	2.4207	2.5768	2.7331	27.2
53.1-55.0	62.6- 65.1	0.2138	0.3576	0.5018	0.6496	0.8009	0.9551	1.1115	1.2699	1.4297	1.5909	1.7531	1.9162	2.0801	2.2447	2.4098	2.5755	2.7416	2.9081	27.5
55.1-57.0	65.2- 67.7	0.2296	0.3820	0.5345	0.6907	0.8507	1.0139	1.1796	1.3474	1.5169	1.6877	1.8598	2.0329	2.2068	2.3815	2.5568	2.7327	2.9091	3.0860	27.7
57.1-59.0	67.9- 70.4	0.2461	0.4073	0.5680	0.7328	0.9016	1.0738	1.2488	1.4262	1.6054	1.7861	1.9682	2.1514	2.3355	2.5204	2.7061	2.8924	3.0792	3.2666	28.0
59.1-61.0	70.5- 73.1	0.2634	0.4335	0.6025	0.7758	0.9534	1.1348	1.3193	1.5063	1.6953	1.8860	2.0782	2.2716	2.4660	2.6613	2.8575	3.0543	3.2517	3.4498	28.1
61.1-63.0	73.3- 75.8	0.2815	0.4606	0.6380	0.8198	1.0063	1.1969	1.3909	1.5875	1.7865	1.9873	2.1897	2.3934	2.5982	2.8041	3.0108	3.2183	3.4265	3.6353	28.3
63.1-65.0	76.0- 78.6	0.3003	0.4886	0.6744	0.8647	1.0602	1.2600	1.4635	1.6700	1.8789	2.0899	2.3026	2.5167	2.7321	2.9486	3.1660	3.3843	3.6033	3.8230	28.5
65.1-67.0	78.7- 81.3	0.3201	0.5176	0.7117	0.9107	1.1151	1.3242	1.5373	1.7536	1.9726	2.1938	2.4168	2.6415	2.8675	3.0947	3.3230	3.5521	3.7821	4.0128	28.6
67.1-69.0	81.5- 84.1	0.3407	0.5476	0.7501	0.9576	1.1709	1.3894	1.6121	1.8383	2.0674	2.2989	2.5324	2.7676	3.0044	3.2424	3.4816	3.7217	3.9627	4.2045	28.8
69.1-71.0	84.3- 86.9	0.3623	0.5785	0.7894	1.0055	1.2278	1.4556	1.6879	1.9240	2.1632	2.4051	2.6491	2.8950	3.1426	3.3915	3.6416	3.8928	4.1450	4.3980	28.9
71.1-73.0	87.1- 89.8	0.3848	0.6106	0.8298	1.0544	1.2856	1.5227	1.7647	2.0107	2.2602	2.5124	2.7670	3.0236	3.2820	3.5419	3.8031	4.0655	4.3289	4.5932	29.0
73.1-75.0	89.9- 92.6	0.4083	0.6437	0.8712	1.1043	1.3444	1.5908	1.8424	2.0985	2.3581	2.6208	2.8860	3.1534	3.4227	3.6936	3.9659	4.2395	4.5142	4.7899	29.1
75.1-77.0	92.8- 95.5	0.4329	0.6779	0.9136	1.1552	1.4042	1.6598	1.9211	2.1871	2.4570	2.7301	3.0060	3.2842	3.5644	3.8464	4.1299	4.4148	4.7008	4.9879	29.2
77.1-79.0	95.7- 98.4	0.4585	0.7132	0.9572	1.2071	1.4649	1.7298	2.0007	2.2767	2.5568	2.8404	3.1269	3.4159	3.7072	4.0003	4.2950	4.5912	4.8887	5.1873	29.2
79.1-81.0	98.6-101.3	0.4853	0.7497	1.0018	1.2600	1.5266	1.8007	2.0813	2.3671	2.6575	2.9515	3.2487	3.5487	3.8509	4.1551	4.4611	4.7687	5.0776	5.3878	29.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 12. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: 1 TO 6, 9, 11 TO 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.4	0.0072	0.0125	0.0178	0.0232	0.0287	0.0341	0.0396	0.0451	0.0506	0.0561	0.0616	0.0671	0.0727	0.0782	0.0838	0.0893	0.0949	0.1005	10.8
13.1-15.0	14.5- 16.6	0.0132	0.0232	0.0333	0.0436	0.0540	0.0644	0.0749	0.0854	0.0960	0.1065	0.1171	0.1277	0.1384	0.1490	0.1597	0.1703	0.1810	0.1917	12.4
15.1-17.0	16.7- 18.8	0.0192	0.0336	0.0484	0.0634	0.0785	0.0937	0.1089	0.1242	0.1396	0.1550	0.1704	0.1859	0.2013	0.2168	0.2323	0.2479	0.2634	0.2790	13.9
17.1-19.0	18.9- 21.0	0.0254	0.0445	0.0640	0.0838	0.1038	0.1240	0.1442	0.1645	0.1849	0.2053	0.2258	0.2463	0.2668	0.2874	0.3080	0.3286	0.3493	0.3699	15.3
19.1-21.0	21.1- 23.3	0.0319	0.0559	0.0804	0.1054	0.1306	0.1559	0.1814	0.2070	0.2327	0.2585	0.2843	0.3102	0.3361	0.3621	0.3881	0.4141	0.4402	0.4662	16.6
21.1-23.0	23.4- 25.6	0.0387	0.0679	0.0978	0.1281	0.1588	0.1897	0.2208	0.2520	0.2834	0.3148	0.3463	0.3779	0.4096	0.4413	0.4730	0.5048	0.5366	0.5685	17.8
23.1-25.0	25.7- 27.9	0.0460	0.0806	0.1160	0.1520	0.1885	0.2253	0.2623	0.2995	0.3368	0.3743	0.4118	0.4495	0.4872	0.5250	0.5628	0.6007	0.6387	0.6767	18.9
25.1-27.0	28.0- 30.2	0.0536	0.0939	0.1352	0.1772	0.2197	0.2627	0.3059	0.3494	0.3931	0.4369	0.4808	0.5249	0.5690	0.6132	0.6575	0.7019	0.7463	0.7908	19.9
27.1-29.0	30.3- 32.6	0.0617	0.1079	0.1553	0.2036	0.2525	0.3019	0.3517	0.4017	0.4520	0.5025	0.5532	0.6039	0.6548	0.7058	0.7569	0.8081	0.8594	0.9107	20.9
29.1-31.0	32.7- 34.9	0.0702	0.1227	0.1763	0.2311	0.2867	0.3428	0.3994	0.4564	0.5136	0.5711	0.6288	0.6866	0.7446	0.8027	0.8609	0.9192	0.9776	1.0361	21.7
31.1-33.0	35.0- 37.3	0.0792	0.1380	0.1983	0.2598	0.3222	0.3854	0.4491	0.5133	0.5777	0.6425	0.7075	0.7727	0.8381	0.9036	0.9693	1.0351	1.1010	1.1669	22.5
33.1-35.0	37.4- 39.7	0.0886	0.1541	0.2212	0.2896	0.3592	0.4296	0.5007	0.5723	0.6443	0.7167	0.7893	0.8621	0.9352	1.0085	1.0819	1.1554	1.2291	1.3029	23.2
35.1-37.0	39.8- 42.2	0.0985	0.1709	0.2449	0.3206	0.3975	0.4754	0.5541	0.6334	0.7132	0.7934	0.8739	0.9547	1.0357	1.1170	1.1984	1.2801	1.3618	1.4437	23.8
37.1-39.0	42.3- 44.6	0.1089	0.1884	0.2696	0.3526	0.4371	0.5227	0.6093	0.6965	0.7843	0.8726	0.9613	1.0503	1.1396	1.2291	1.3189	1.4088	1.4989	1.5892	24.4
39.1-41.0	44.7- 47.1	0.1198	0.2066	0.2951	0.3857	0.4779	0.5715	0.6661	0.7615	0.8576	0.9542	1.0513	1.1487	1.2465	1.3446	1.4429	1.5415	1.6402	1.7392	25.0
41.1-43.0	47.2- 49.6	0.1313	0.2256	0.3216	0.4198	0.5200	0.6216	0.7245	0.8283	0.9329	1.0380	1.1438	1.2499	1.3564	1.4633	1.5705	1.6779	1.7855	1.8933	25.4
43.1-45.0	49.7- 52.1	0.1433	0.2453	0.3489	0.4550	0.5632	0.6732	0.7845	0.8968	1.0101	1.1241	1.2386	1.3537	1.4692	1.5851	1.7013	1.8178	1.9345	2.0515	25.9
45.1-47.0	52.3- 54.7	0.1559	0.2657	0.3771	0.4911	0.6076	0.7260	0.8459	0.9671	1.0892	1.2121	1.3357	1.4599	1.5846	1.7097	1.8352	1.9610	2.0872	2.2135	26.3
47.1-49.0	54.8- 57.2	0.1691	0.2869	0.4062	0.5283	0.6532	0.7801	0.9088	1.0389	1.1701	1.3021	1.4350	1.5685	1.7026	1.8371	1.9721	2.1075	2.2432	2.3791	26.6
49.1-51.0	57.4- 59.8	0.1829	0.3089	0.4361	0.5665	0.6998	0.8355	0.9731	1.1122	1.2526	1.3940	1.5363	1.6793	1.8230	1.9672	2.1118	2.2569	2.4024	2.5482	26.9
51.1-53.0	60.0- 62.4	0.1973	0.3317	0.4670	0.6057	0.7475	0.8921	1.0387	1.1870	1.3368	1.4877	1.6396	1.7923	1.9457	2.0997	2.2542	2.4092	2.5646	2.7204	27.2
53.1-55.0	62.6- 65.1	0.2124	0.3554	0.4988	0.6458	0.7963	0.9498	1.1056	1.2633	1.4225	1.5831	1.7447	1.9072	2.0705	2.2345	2.3990	2.5641	2.7297	2.8957	27.5
55.1-57.0	65.2- 67.7	0.2283	0.3798	0.5315	0.6869	0.8462	1.0087	1.1737	1.3409	1.5097	1.6800	1.8515	2.0240	2.1974	2.3715	2.5462	2.7216	2.8974	3.0738	27.7
57.1-59.0	67.9- 70.4	0.2448	0.4052	0.5651	0.7290	0.8971	1.0687	1.2431	1.4198	1.5984	1.7785	1.9600	2.1426	2.3262	2.5106	2.6957	2.8814	3.0677	3.2546	28.0
59.1-61.0	70.5- 73.1	0.2621	0.4314	0.5996	0.7721	0.9490	1.1297	1.3136	1.4999	1.6883	1.8785	2.0701	2.2629	2.4568	2.6516	2.8472	3.0435	3.2404	3.4379	28.1
61.1-63.0	73.3- 75.8	0.2802	0.4585	0.6351	0.8161	1.0020	1.1919	1.3852	1.5813	1.7796	1.9798	2.1817	2.3848	2.5891	2.7945	3.0007	3.2076	3.4153	3.6235	28.3
63.1-65.0	76.0- 78.6	0.2991	0.4866	0.6715	0.8611	1.0559	1.2551	1.4579	1.6638	1.8721	2.0825	2.2946	2.5082	2.7231	2.9391	3.1560	3.3737	3.5922	3.8114	28.5
65.1-67.0	78.7- 81.3	0.3189	0.5156	0.7089	0.9071	1.1108	1.3193	1.5317	1.7474	1.9658	2.1864	2.4090	2.6331	2.8586	3.0853	3.3130	3.5416	3.7711	4.0013	28.6
67.1-69.0	81.5- 84.1	0.3396	0.5456	0.7473	0.9541	1.1667	1.3845	1.6065	1.8321	2.0606	2.2916	2.5245	2.7593	2.9955	3.2330	3.4716	3.7113	3.9518	4.1931	28.8
69.1-71.0	84.3- 86.9	0.3611	0.5766	0.7867	1.0020	1.2236	1.4507	1.6824	1.9179	2.1565	2.3978	2.6413	2.8867	3.1337	3.3821	3.6318	3.8825	4.1342	4.3867	28.9
71.1-73.0	87.1- 89.8	0.3837	0.6086	0.8270	1.0509	1.2814	1.5178	1.7592	2.0046	2.2535	2.5052	2.7592	3.0153	3.2732	3.5326	3.7933	4.0552	4.3181	4.5819	29.0
73.1-75.0	89.9- 92.6	0.4072	0.6417	0.8685	1.1008	1.3402	1.5859	1.8370	2.0924	2.3514	2.6135	2.8782	3.1451	3.4139	3.6843	3.9561	4.2292	4.5034	4.7786	29.1
75.1-77.0	92.8- 95.5	0.4318	0.6759	0.9109	1.1517	1.4000	1.6550	1.9157	2.1810	2.4503	2.7229	2.9982	3.2759	3.5556	3.8371	4.1201	4.4045	4.6901	4.9767	29.2
77.1-79.0	95.7- 98.4	0.4574	0.7113	0.9545	1.2037	1.4607	1.7250	1.9953	2.2706	2.5501	2.8332	3.1192	3.4077	3.6984	3.9910	4.2852	4.5809	4.8779	5.1761	29.2
79.1-81.0	98.6-101.3	0.4842	0.7478	0.9991	1.2566	1.5224	1.7959	2.0758	2.3611	2.6508	2.9443	3.2410	3.5404	3.8421	4.1458	4.4514	4.7584	5.0669	5.3766	29.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 13. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: 1 TO 6, 9, 11 TO 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.4	0.0044	0.0071	0.0095	0.0115	0.0134	0.0152	0.0168	0.0184	0.0199	0.0213	0.0228	0.0242	0.0256	0.0270	0.0283	0.0297	0.0311	0.0325	10.8
13.1-15.0	14.5- 16.6	0.0111	0.0195	0.0279	0.0365	0.0452	0.0539	0.0626	0.0714	0.0802	0.0891	0.0979	0.1068	0.1157	0.1246	0.1335	0.1424	0.1513	0.1603	12.4
15.1-17.0	16.7- 18.8	0.0175	0.0307	0.0442	0.0579	0.0718	0.0857	0.0997	0.1138	0.1279	0.1420	0.1562	0.1704	0.1846	0.1988	0.2131	0.2273	0.2416	0.2559	13.9
17.1-19.0	18.9- 21.0	0.0239	0.0420	0.0605	0.0793	0.0983	0.1174	0.1366	0.1559	0.1752	0.1946	0.2141	0.2335	0.2531	0.2726	0.2922	0.3118	0.3314	0.3510	15.3
19.1-21.0	21.1- 23.3	0.0306	0.0537	0.0774	0.1014	0.1257	0.1502	0.1748	0.1995	0.2244	0.2492	0.2742	0.2992	0.3242	0.3493	0.3744	0.3996	0.4247	0.4499	16.6
21.1-23.0	23.4- 25.6	0.0376	0.0659	0.0950	0.1245	0.1544	0.1845	0.2149	0.2453	0.2759	0.3066	0.3373	0.3681	0.3990	0.4299	0.4609	0.4919	0.5229	0.5540	17.8
23.1-25.0	25.7- 27.9	0.0449	0.0788	0.1135	0.1488	0.1845	0.2206	0.2569	0.2934	0.3300	0.3668	0.4037	0.4406	0.4776	0.5147	0.5519	0.5891	0.6263	0.6636	18.9
25.1-27.0	28.0- 30.2	0.0526	0.0922	0.1328	0.1742	0.2161	0.2584	0.3010	0.3438	0.3868	0.4300	0.4733	0.5167	0.5602	0.6038	0.6475	0.6912	0.7350	0.7789	19.9
27.1-29.0	30.3- 32.6	0.0608	0.1064	0.1531	0.2007	0.2491	0.2979	0.3471	0.3965	0.4462	0.4961	0.5462	0.5964	0.6467	0.6972	0.7477	0.7983	0.8489	0.8997	20.9
29.1-31.0	32.7- 34.9	0.0693	0.1212	0.1743	0.2284	0.2834	0.3390	0.3951	0.4515	0.5082	0.5651	0.6223	0.6796	0.7370	0.7946	0.8523	0.9100	0.9679	1.0259	21.7
31.1-33.0	35.0- 37.3	0.0783	0.1366	0.1963	0.2573	0.3192	0.3818	0.4450	0.5087	0.5727	0.6369	0.7014	0.7661	0.8310	0.8960	0.9612	1.0264	1.0918	1.1573	22.5
33.1-35.0	37.4- 39.7	0.0878	0.1528	0.2193	0.2872	0.3563	0.4262	0.4968	0.5680	0.6395	0.7113	0.7835	0.8559	0.9285	1.0013	1.0742	1.1473	1.2205	1.2938	23.2
35.1-37.0	39.8- 42.2	0.0977	0.1696	0.2431	0.3183	0.3947	0.4722	0.5504	0.6293	0.7086	0.7883	0.8684	0.9488	1.0294	1.1102	1.1912	1.2723	1.3536	1.4351	23.8
37.1-39.0	42.3- 44.6	0.1082	0.1872	0.2678	0.3504	0.4344	0.5196	0.6057	0.6925	0.7799	0.8678	0.9560	1.0446	1.1335	1.2226	1.3119	1.4014	1.4911	1.5810	24.4
39.1-41.0	44.7- 47.1	0.1191	0.2054	0.2934	0.3835	0.4753	0.5685	0.6627	0.7577	0.8533	0.9495	1.0462	1.1433	1.2407	1.3383	1.4363	1.5344	1.6328	1.7313	25.0
41.1-43.0	47.2- 49.6	0.1306	0.2244	0.3199	0.4177	0.5175	0.6187	0.7212	0.8246	0.9288	1.0336	1.1389	1.2447	1.3508	1.4573	1.5641	1.6711	1.7783	1.8858	25.4
43.1-45.0	49.7- 52.1	0.1426	0.2441	0.3473	0.4530	0.5608	0.6703	0.7813	0.8933	1.0061	1.1197	1.2339	1.3486	1.4638	1.5793	1.6951	1.8113	1.9277	2.0443	25.9
45.1-47.0	52.3- 54.7	0.1552	0.2646	0.3755	0.4892	0.6053	0.7233	0.8428	0.9636	1.0853	1.2079	1.3312	1.4550	1.5794	1.7041	1.8293	1.9547	2.0805	2.2065	26.3
47.1-49.0	54.8- 57.2	0.1684	0.2859	0.4047	0.5264	0.6509	0.7775	0.9058	1.0355	1.1663	1.2981	1.4306	1.5638	1.6975	1.8317	1.9663	2.1014	2.2367	2.3724	26.6
49.1-51.0	57.4- 59.8	0.1822	0.3079	0.4347	0.5646	0.6976	0.8329	0.9701	1.1089	1.2490	1.3901	1.5320	1.6747	1.8180	1.9619	2.1062	2.2510	2.3961	2.5416	26.9
51.1-53.0	60.0- 62.4	0.1967	0.3307	0.4656	0.6038	0.7453	0.8895	1.0358	1.1838	1.3332	1.4838	1.6354	1.7877	1.9408	2.0945	2.2487	2.4034	2.5585	2.7140	27.2
53.1-55.0	62.6- 65.1	0.2119	0.3544	0.4974	0.6440	0.7942	0.9473	1.1027	1.2601	1.4190	1.5793	1.7405	1.9028	2.0657	2.2294	2.3937	2.5585	2.7237	2.8894	27.5
55.1-57.0	65.2- 67.7	0.2277	0.3788	0.5301	0.6852	0.8441	1.0062	1.1709	1.3378	1.5063	1.6763	1.8475	2.0197	2.1927	2.3665	2.5410	2.7161	2.8916	3.0677	27.7
57.1-59.0	67.9- 70.4	0.2443	0.4042	0.5637	0.7273	0.8950	1.0663	1.2403	1.4167	1.5950	1.7749	1.9560	2.1383	2.3216	2.5057	2.6905	2.8760	3.0620	3.2486	28.0
59.1-61.0	70.5- 73.1	0.2616	0.4304	0.5983	0.7704	0.9470	1.1274	1.3109	1.4969	1.6850	1.8749	2.0662	2.2587	2.4523	2.6468	2.8421	3.0382	3.2348	3.4320	28.1
61.1-63.0	73.3- 75.8	0.2797	0.4576	0.6338	0.8145	0.9999	1.1895	1.3825	1.5783	1.7763	1.9763	2.1778	2.3807	2.5847	2.7898	2.9957	3.2024	3.4098	3.6178	28.3
63.1-65.0	76.0- 78.6	0.2986	0.4856	0.6702	0.8595	1.0539	1.2528	1.4553	1.6609	1.8689	2.0790	2.2908	2.5042	2.7187	2.9344	3.1511	3.3686	3.5868	3.8057	28.5
65.1-67.0	78.7- 81.3	0.3184	0.5147	0.7076	0.9055	1.1088	1.3170	1.5291	1.7445	1.9626	2.1830	2.4052	2.6290	2.8543	3.0807	3.3082	3.5366	3.7658	3.9957	28.6
67.1-69.0	81.5- 84.1	0.3390	0.5447	0.7460	0.9525	1.1648	1.3822	1.6040	1.8293	2.0575	2.2881	2.5208	2.7553	2.9912	3.2285	3.4669	3.7062	3.9465	4.1876	28.8
69.1-71.0	84.3- 86.9	0.3606	0.5757	0.7854	1.0004	1.2217	1.4484	1.6798	1.9150	2.1534	2.3944	2.6376	2.8828	3.1295	3.3777	3.6270	3.8775	4.1289	4.3812	28.9
71.1-73.0	87.1- 89.8	0.3832	0.6078	0.8258	1.0493	1.2795	1.5156	1.7567	2.0018	2.2504	2.5018	2.7556	3.0114	3.2690	3.5281	3.7886	4.0502	4.3129	4.5765	29.0
73.1-75.0	89.9- 92.6	0.4067	0.6409	0.8673	1.0993	1.3383	1.5837	1.8345	2.0896	2.3484	2.6102	2.8746	3.1412	3.4097	3.6799	3.9515	4.2243	4.4983	4.7732	29.1
75.1-77.0	92.8- 95.5	0.4313	0.6751	0.9097	1.1502	1.3981	1.6528	1.9132	2.1783	2.4473	2.7196	2.9946	3.2720	3.5515	3.8327	4.1155	4.3996	4.6850	4.9714	29.2
77.1-79.0	95.7- 98.4	0.4570	0.7105	0.9533	1.2021	1.4589	1.7228	1.9928	2.2679	2.5471	2.8299	3.1156	3.4038	3.6943	3.9866	4.2806	4.5761	4.8729	5.1708	29.2
79.1-81.0	98.6-101.3	0.4838	0.7470	0.9979	1.2551	1.5206	1.7937	2.0734	2.3583	2.6478	2.9410	3.2374	3.5366	3.8380	4.1415	4.4468	4.7536	5.0618	5.3713	29.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 17. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	8.1- 10.1	0.0030	0.0053	0.0076	0.0099	0.0122	0.0145	0.0168	0.0191	0.0214	0.0237	0.0260	0.0283	0.0306	0.0330	0.0353	0.0376	0.0399	0.0423	7.4
9.1-11.0	10.2- 12.2	0.0082	0.0140	0.0199	0.0257	0.0316	0.0375	0.0434	0.0493	0.0552	0.0612	0.0671	0.0730	0.0790	0.0849	0.0909	0.0968	0.1028	0.1087	9.2
11.1-13.0	12.3- 14.3	0.0133	0.0225	0.0318	0.0411	0.0505	0.0599	0.0693	0.0787	0.0881	0.0976	0.1070	0.1165	0.1260	0.1354	0.1449	0.1544	0.1639	0.1734	10.9
13.1-15.0	14.4- 16.4	0.0186	0.0316	0.0447	0.0578	0.0710	0.0842	0.0975	0.1107	0.1240	0.1373	0.1506	0.1639	0.1772	0.1905	0.2039	0.2173	0.2306	0.2440	12.5
15.1-17.0	16.5- 18.6	0.0244	0.0415	0.0588	0.0761	0.0935	0.1109	0.1284	0.1459	0.1634	0.1810	0.1986	0.2161	0.2337	0.2514	0.2690	0.2866	0.3043	0.3220	14.0
17.1-19.0	18.7- 20.8	0.0307	0.0523	0.0741	0.0961	0.1181	0.1402	0.1623	0.1845	0.2067	0.2290	0.2512	0.2735	0.2958	0.3182	0.3405	0.3629	0.3853	0.4077	15.3
19.1-21.0	20.9- 23.0	0.0374	0.0639	0.0907	0.1177	0.1448	0.1720	0.1992	0.2265	0.2539	0.2812	0.3087	0.3361	0.3636	0.3911	0.4186	0.4461	0.4737	0.5013	16.5
21.1-23.0	23.1- 25.2	0.0446	0.0764	0.1086	0.1411	0.1736	0.2063	0.2391	0.2720	0.3049	0.3378	0.3708	0.4039	0.4370	0.4701	0.5032	0.5364	0.5696	0.6028	17.6
23.1-25.0	25.3- 27.4	0.0522	0.0898	0.1278	0.1661	0.2046	0.2432	0.2820	0.3208	0.3597	0.3987	0.4377	0.4768	0.5160	0.5551	0.5943	0.6336	0.6728	0.7121	18.6
25.1-27.0	27.6- 29.7	0.0603	0.1039	0.1482	0.1927	0.2376	0.2826	0.3278	0.3730	0.4184	0.4638	0.5093	0.5549	0.6005	0.6462	0.6919	0.7377	0.7835	0.8293	19.5
27.1-29.0	29.8- 32.0	0.0689	0.1190	0.1698	0.2210	0.2726	0.3244	0.3764	0.4285	0.4808	0.5331	0.5855	0.6380	0.6906	0.7432	0.7958	0.8486	0.9013	0.9541	20.2
29.1-31.0	32.1- 34.4	0.0779	0.1348	0.1926	0.2510	0.3097	0.3687	0.4279	0.4873	0.5469	0.6065	0.6663	0.7261	0.7861	0.8461	0.9061	0.9662	1.0264	1.0866	20.9
31.1-33.0	34.5- 36.7	0.0874	0.1515	0.2167	0.2825	0.3488	0.4154	0.4823	0.5494	0.6166	0.6841	0.7516	0.8192	0.8869	0.9547	1.0226	1.0906	1.1586	1.2267	21.5
33.1-35.0	36.8- 39.1	0.0974	0.1691	0.2419	0.3156	0.3898	0.4645	0.5394	0.6146	0.6900	0.7656	0.8413	0.9172	0.9931	1.0692	1.1453	1.2215	1.2978	1.3742	22.1
35.1-37.0	39.2- 41.5	0.1079	0.1874	0.2683	0.3502	0.4328	0.5158	0.5993	0.6830	0.7670	0.8511	0.9355	1.0199	1.1046	1.1893	1.2741	1.3590	1.4440	1.5291	22.6
37.1-39.0	41.6- 43.9	0.1188	0.2066	0.2960	0.3864	0.4777	0.5696	0.6619	0.7545	0.8475	0.9406	1.0340	1.1275	1.2212	1.3150	1.4090	1.5030	1.5971	1.6914	23.0
39.1-41.0	44.0- 46.4	0.1303	0.2266	0.3247	0.4242	0.5245	0.6256	0.7271	0.8291	0.9314	1.0340	1.1368	1.2398	1.3430	1.4463	1.5498	1.6534	1.7571	1.8609	23.4
41.1-43.0	46.5- 48.8	0.1422	0.2475	0.3547	0.4635	0.5733	0.6839	0.7951	0.9068	1.0188	1.1312	1.2439	1.3568	1.4698	1.5831	1.6965	1.8101	1.9238	2.0376	23.7
43.1-45.0	49.0- 51.3	0.1546	0.2692	0.3859	0.5042	0.6239	0.7444	0.8657	0.9875	1.1097	1.2323	1.3552	1.4784	1.6018	1.7253	1.8491	1.9731	2.0971	2.2214	24.0
45.1-47.0	51.5- 53.9	0.1676	0.2917	0.4182	0.5466	0.6764	0.8072	0.9389	1.0711	1.2039	1.3371	1.4707	1.6045	1.7386	1.8730	2.0075	2.1423	2.2772	2.4122	24.2
47.1-49.0	54.0- 56.4	0.1811	0.3151	0.4517	0.5904	0.7307	0.8722	1.0146	1.1578	1.3015	1.4457	1.5903	1.7353	1.8805	2.0260	2.1717	2.3176	2.4637	2.6100	24.4
49.1-51.0	56.6- 59.0	0.1951	0.3394	0.4863	0.6357	0.7869	0.9394	1.0930	1.2474	1.4024	1.5580	1.7141	1.8705	2.0272	2.1843	2.3416	2.4991	2.6568	2.8148	24.6
51.1-53.0	59.1- 61.6	0.2097	0.3645	0.5222	0.6826	0.8449	1.0088	1.1739	1.3399	1.5067	1.6740	1.8419	2.0101	2.1788	2.3478	2.5171	2.6866	2.8564	3.0264	24.8
53.1-55.0	61.7- 64.2	0.2249	0.3906	0.5593	0.7309	0.9048	1.0804	1.2574	1.4354	1.6142	1.7936	1.9737	2.1542	2.3352	2.5165	2.6982	2.8801	3.0623	3.2448	25.0
55.1-57.0	64.4- 66.9	0.2407	0.4175	0.5975	0.7808	0.9665	1.1542	1.3434	1.5337	1.7249	1.9169	2.1096	2.3027	2.4964	2.6904	2.8849	3.0796	3.2746	3.4699	25.1
57.1-59.0	67.0- 69.5	0.2571	0.4454	0.6370	0.8322	1.0301	1.2302	1.4319	1.6349	1.8389	2.0438	2.2494	2.4556	2.6623	2.8695	3.0770	3.2850	3.4932	3.7017	25.2
59.1-61.0	69.7- 72.2	0.2740	0.4741	0.6777	0.8851	1.0955	1.3083	1.5229	1.7389	1.9561	2.1742	2.3931	2.6127	2.8329	3.0536	3.2747	3.4962	3.7181	3.9402	25.3
61.1-63.0	72.4- 75.0	0.2917	0.5039	0.7196	0.9395	1.1627	1.3885	1.6164	1.8458	2.0765	2.3082	2.5408	2.7742	3.0082	3.2427	3.4778	3.7132	3.9491	4.1853	25.4
63.1-65.0	75.1- 77.7	0.3099	0.5346	0.7628	0.9955	1.2318	1.4710	1.7124	1.9555	2.2000	2.4458	2.6924	2.9399	3.1881	3.4369	3.6862	3.9361	4.1863	4.4369	25.5
65.1-67.0	77.9- 80.5	0.3289	0.5663	0.8073	1.0530	1.3027	1.5555	1.8108	2.0680	2.3268	2.5868	2.8479	3.1099	3.3726	3.6361	3.9001	4.1646	4.4296	4.6950	25.6
67.1-69.0	80.6- 83.3	0.3486	0.5990	0.8530	1.1120	1.3755	1.6423	1.9117	2.1833	2.4566	2.7313	3.0072	3.2840	3.5617	3.8402	4.1192	4.3989	4.6790	4.9596	25.6
69.1-71.0	83.4- 86.1	0.3689	0.6327	0.9000	1.1727	1.4501	1.7311	2.0151	2.3015	2.5896	2.8793	3.1703	3.4624	3.7554	4.0492	4.3437	4.6388	4.9344	5.2306	25.7
71.1-73.0	86.2- 88.9	0.3900	0.6675	0.9483	1.2349	1.5265	1.8222	2.1210	2.4224	2.7258	3.0308	3.3373	3.6449	3.9536	4.2631	4.5733	4.8843	5.1959	5.5080	25.7
73.1-75.0	89.1- 91.8	0.4119	0.7033	0.9979	1.2986	1.6048	1.9154	2.2293	2.5461	2.8650	3.1858	3.5080	3.8316	4.1562	4.4818	4.8083	5.1354	5.4632	5.7917	25.8
75.1-77.0	92.0- 94.7	0.4346	0.7402	1.0489	1.3640	1.6850	2.0107	2.3401	2.6725	3.0073	3.3441	3.6825	4.0224	4.3634	4.7054	5.0484	5.3921	5.7365	6.0816	25.8
77.1-79.0	94.9- 97.6	0.4581	0.7783	1.1012	1.4310	1.7671	2.1082	2.4534	2.8018	3.1528	3.5059	3.8608	4.2172	4.5750	4.9338	5.2936	5.6543	6.0157	6.3779	25.8
79.1-81.0	97.8-100.6	0.4824	0.8175	1.1549	1.4996	1.8511	2.2079	2.5691	2.9338	3.3013	3.6711	4.0428	4.4162	4.7910	5.1670	5.5440	5.9220	6.3008	6.6803	25.9

Table 18. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.3	0.0074	0.0129	0.0185	0.0240	0.0296	0.0353	0.0409	0.0465	0.0522	0.0579	0.0635	0.0692	0.0749	0.0806	0.0863	0.0920	0.0977	0.1034	10.9
13.1-15.0	14.4- 16.4	0.0141	0.0244	0.0349	0.0454	0.0559	0.0665	0.0771	0.0877	0.0984	0.1091	0.1197	0.1304	0.1411	0.1518	0.1625	0.1733	0.1840	0.1947	12.5
15.1-17.0	16.5- 18.6	0.0206	0.0356	0.0507	0.0660	0.0813	0.0966	0.1120	0.1274	0.1429	0.1583	0.1738	0.1893	0.2048	0.2203	0.2358	0.2514	0.2669	0.2825	14.0
17.1-19.0	18.7- 20.8	0.0274	0.0472	0.0672	0.0874	0.1077	0.1280	0.1484	0.1688	0.1893	0.2097	0.2302	0.2508	0.2713	0.2919	0.3125	0.3331	0.3537	0.3743	15.3
19.1-21.0	20.9- 23.0	0.0344	0.0594	0.0846	0.1101	0.1356	0.1613	0.1870	0.2128	0.2386	0.2644	0.2903	0.3162	0.3422	0.3681	0.3941	0.4201	0.4461	0.4722	16.5
21.1-23.0	23.1- 25.2	0.0419	0.0723	0.1031	0.1342	0.1654	0.1967	0.2282	0.2597	0.2912	0.3228	0.3545	0.3862	0.4179	0.4496	0.4814	0.5132	0.5450	0.5769	17.6
23.1-25.0	25.3- 27.4	0.0497	0.0860	0.1227	0.1598	0.1971	0.2345	0.2720	0.3097	0.3474	0.3851	0.4229	0.4608	0.4987	0.5367	0.5746	0.6126	0.6507	0.6888	18.6
25.1-27.0	27.6- 29.7	0.0580	0.1004	0.1435	0.1869	0.2307	0.2746	0.3186	0.3628	0.4070	0.4514	0.4958	0.5402	0.5847	0.6293	0.6739	0.7185	0.7632	0.8079	19.5
27.1-29.0	29.8- 32.0	0.0667	0.1157	0.1654	0.2156	0.2662	0.3170	0.3679	0.4191	0.4703	0.5216	0.5730	0.6245	0.6760	0.7276	0.7793	0.8310	0.8827	0.9345	20.2
29.1-31.0	32.1- 34.4	0.0759	0.1317	0.1885	0.2459	0.3037	0.3617	0.4200	0.4785	0.5371	0.5958	0.6546	0.7135	0.7725	0.8316	0.8907	0.9499	1.0091	1.0684	20.9
31.1-33.0	34.5- 36.7	0.0855	0.1486	0.2128	0.2777	0.3431	0.4088	0.4748	0.5411	0.6075	0.6740	0.7407	0.8074	0.8743	0.9412	1.0082	1.0753	1.1424	1.2096	21.5
33.1-35.0	36.8- 39.1	0.0955	0.1662	0.2382	0.3110	0.3844	0.4582	0.5324	0.6068	0.6814	0.7561	0.8310	0.9061	0.9812	1.0564	1.1318	1.2072	1.2827	1.3582	22.1
35.1-37.0	39.2- 41.5	0.1061	0.1847	0.2648	0.3459	0.4276	0.5099	0.5926	0.6755	0.7588	0.8422	0.9257	1.0094	1.0933	1.1773	1.2613	1.3455	1.4297	1.5140	22.6
37.1-39.0	41.6- 43.9	0.1171	0.2040	0.2925	0.3822	0.4728	0.5639	0.6555	0.7474	0.8396	0.9321	1.0247	1.1175	1.2105	1.3036	1.3968	1.4901	1.5836	1.6771	23.0
39.1-41.0	44.0- 46.4	0.1286	0.2241	0.3214	0.4201	0.5198	0.6201	0.7210	0.8223	0.9239	1.0258	1.1280	1.2303	1.3328	1.4354	1.5382	1.6411	1.7441	1.8473	23.4
41.1-43.0	46.5- 48.8	0.1405	0.2450	0.3515	0.4595	0.5687	0.6786	0.7892	0.9002	1.0117	1.1234	1.2354	1.3476	1.4601	1.5727	1.6855	1.7984	1.9114	2.0246	23.7
43.1-45.0	49.0- 51.3	0.1530	0.2668	0.3827	0.5005	0.6194	0.7394	0.8600	0.9812	1.1028	1.2248	1.3470	1.4696	1.5924	1.7154	1.8385	1.9618	2.0853	2.2089	24.0
45.1-47.0	51.5- 53.9	0.1660	0.2894	0.4151	0.5429	0.6721	0.8023	0.9334	1.0650	1.1972	1.3299	1.4628	1.5961	1.7296	1.8634	1.9973	2.1315	2.2658	2.4002	24.2
47.1-49.0	54.0- 56.4	0.1796	0.3128	0.4487	0.5868	0.7265	0.8674	1.0093	1.1519	1.2950	1.4387	1.5827	1.7271	1.8718	2.0167	2.1618	2.3072	2.4528	2.5985	24.4
49.1-51.0	56.6- 59.0	0.1937	0.3371	0.4835	0.6322	0.7828	0.9348	1.0878	1.2417	1.3962	1.5512	1.7067	1.8626	2.0188	2.1753	2.3320	2.4890	2.6462	2.8036	24.6
51.1-53.0	59.1- 61.6	0.2083	0.3623	0.5194	0.6791	0.8410	1.0043	1.1689	1.3343	1.5005	1.6674	1.8347	2.0025	2.1706	2.3391	2.5078	2.6768	2.8461	3.0155	24.8
53.1-55.0	61.7- 64.2	0.2235	0.3884	0.5565	0.7276	0.9009	1.0760	1.2524	1.4299	1.6082	1.7872	1.9667	2.1468	2.3272	2.5081	2.6892	2.8706	3.0523	3.2342	25.0
55.1-57.0	64.4- 66.9	0.2393	0.4154	0.5948	0.7775	0.9627	1.1499	1.3385	1.5283	1.7191	1.9106	2.1028	2.2954	2.4886	2.6822	2.8761	3.0703	3.2649	3.4597	25.1
57.1-59.0	67.0- 69.5	0.2557	0.4433	0.6343	0.8289	1.0264	1.2259	1.4271	1.6296	1.8332	2.0376	2.2427	2.4485	2.6547	2.8614	3.0685	3.2759	3.4837	3.6918	25.2
59.1-61.0	69.7- 72.2	0.2727	0.4721	0.6751	0.8819	1.0918	1.3041	1.5182	1.7338	1.9505	2.1682	2.3866	2.6058	2.8255	3.0457	3.2663	3.4874	3.7088	3.9305	25.3
61.1-63.0	72.4- 75.0	0.2903	0.5019	0.7170	0.9364	1.1591	1.3844	1.6118	1.8407	2.0710	2.3023	2.5344	2.7674	3.0009	3.2350	3.4696	3.7046	3.9400	4.1758	25.4
63.1-65.0	75.1- 77.7	0.3086	0.5326	0.7602	0.9924	1.2282	1.4669	1.7078	1.9505	2.1946	2.4399	2.6861	2.9332	3.1809	3.4293	3.6782	3.9276	4.1774	4.4276	25.5
65.1-67.0	77.9- 80.5	0.3276	0.5643	0.8047	1.0499	1.2992	1.5515	1.8064	2.0631	2.3214	2.5810	2.8417	3.1033	3.3656	3.6286	3.8922	4.1563	4.4209	4.6858	25.6
67.1-69.0	80.6- 83.3	0.3473	0.5971	0.8505	1.1090	1.3719	1.6383	1.9073	2.1785	2.4514	2.7257	3.0011	3.2775	3.5548	3.8328	4.1114	4.3907	4.6704	4.9506	25.6
69.1-71.0	83.4- 86.1	0.3677	0.6308	0.8975	1.1697	1.4466	1.7272	2.0108	2.2967	2.5844	2.8737	3.1643	3.4560	3.7485	4.0419	4.3360	4.6307	4.9259	5.2217	25.7
71.1-73.0	86.2- 88.9	0.3888	0.6656	0.9458	1.2319	1.5231	1.8183	2.1167	2.4176	2.7206	3.0253	3.3313	3.6386	3.9468	4.2559	4.5658	4.8763	5.1875	5.4992	25.7
73.1-75.0	89.1- 91.8	0.4107	0.7014	0.9955	1.2957	1.6014	1.9115	2.2251	2.5414	2.8599	3.1803	3.5021	3.8253	4.1495	4.4747	4.8008	5.1275	5.4549	5.7830	25.8
75.1-77.0	92.0- 94.7	0.4334	0.7384	1.0465	1.3611	1.6816	2.0069	2.3359	2.6679	3.0023	3.3387	3.6767	4.0161	4.3567	4.6984	5.0409	5.3843	5.7283	6.0730	25.8
77.1-79.0	94.9- 97.6	0.4569	0.7764	1.0988	1.4281	1.7637	2.1044	2.4492	2.7972	3.1478	3.5005	3.8550	4.2111	4.5684	4.9268	5.2863	5.6466	6.0076	6.3693	25.8
79.1-81.0	97.8-100.6	0.4812	0.8156	1.1525	1.4968	1.8477	2.2041	2.5649	2.9292	3.2963	3.6657	4.0371	4.4101	4.7845	5.1601	5.5367	5.9143	6.2927	6.6719	25.9

Table 19. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: BALSAM FIR/ALPINE FIR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.3	0.0038	0.0064	0.0088	0.0111	0.0132	0.0153	0.0174	0.0195	0.0215	0.0235	0.0255	0.0275	0.0295	0.0315	0.0335	0.0355	0.0375	0.0395	10.9
13.1-15.0	14.4- 16.4	0.0116	0.0202	0.0289	0.0377	0.0466	0.0554	0.0643	0.0732	0.0822	0.0911	0.1001	0.1090	0.1180	0.1270	0.1360	0.1450	0.1540	0.1630	12.5
15.1-17.0	16.5- 18.6	0.0186	0.0324	0.0462	0.0602	0.0743	0.0884	0.1026	0.1168	0.1310	0.1452	0.1594	0.1737	0.1880	0.2022	0.2165	0.2308	0.2452	0.2595	14.0
17.1-19.0	18.7- 20.8	0.0257	0.0445	0.0635	0.0827	0.1020	0.1213	0.1407	0.1601	0.1796	0.1991	0.2186	0.2381	0.2577	0.2773	0.2968	0.3164	0.3361	0.3557	15.3
19.1-21.0	20.9- 23.0	0.0330	0.0570	0.0814	0.1060	0.1307	0.1555	0.1804	0.2053	0.2303	0.2553	0.2804	0.3054	0.3305	0.3557	0.3808	0.4060	0.4311	0.4563	16.5
21.1-23.0	23.1- 25.2	0.0405	0.0702	0.1003	0.1306	0.1611	0.1917	0.2224	0.2531	0.2840	0.3148	0.3457	0.3767	0.4077	0.4387	0.4697	0.5008	0.5319	0.5630	17.6
23.1-25.0	25.3- 27.4	0.0485	0.0840	0.1201	0.1565	0.1932	0.2299	0.2668	0.3038	0.3408	0.3779	0.4151	0.4523	0.4896	0.5269	0.5642	0.6015	0.6389	0.6763	18.6
25.1-27.0	27.6- 29.7	0.0569	0.0987	0.1411	0.1840	0.2271	0.2704	0.3139	0.3574	0.4011	0.4448	0.4886	0.5325	0.5764	0.6204	0.6644	0.7085	0.7525	0.7967	19.5
27.1-29.0	29.8- 32.0	0.0657	0.1140	0.1632	0.2129	0.2629	0.3131	0.3636	0.4141	0.4648	0.5156	0.5665	0.6174	0.6684	0.7194	0.7705	0.8217	0.8729	0.9241	20.2
29.1-31.0	32.1- 34.4	0.0749	0.1302	0.1864	0.2433	0.3006	0.3582	0.4159	0.4739	0.5320	0.5902	0.6486	0.7070	0.7655	0.8240	0.8826	0.9413	1.0000	1.0588	20.9
31.1-33.0	34.5- 36.7	0.0845	0.1471	0.2108	0.2752	0.3402	0.4055	0.4710	0.5368	0.6027	0.6688	0.7350	0.8013	0.8677	0.9342	1.0007	1.0673	1.1340	1.2007	21.5
33.1-35.0	36.8- 39.1	0.0946	0.1648	0.2363	0.3087	0.3817	0.4550	0.5288	0.6027	0.6769	0.7512	0.8257	0.9003	0.9750	1.0498	1.1247	1.1997	1.2747	1.3499	22.1
35.1-37.0	39.2- 41.5	0.1052	0.1834	0.2630	0.3437	0.4250	0.5069	0.5892	0.6717	0.7545	0.8375	0.9207	1.0040	1.0875	1.1710	1.2547	1.3384	1.4223	1.5062	22.6
37.1-39.0	41.6- 43.9	0.1162	0.2027	0.2908	0.3801	0.4703	0.5610	0.6522	0.7438	0.8356	0.9277	1.0199	1.1124	1.2050	1.2977	1.3905	1.4835	1.5765	1.6696	23.0
39.1-41.0	44.0- 46.4	0.1278	0.2228	0.3198	0.4181	0.5174	0.6174	0.7179	0.8188	0.9201	1.0216	1.1234	1.2254	1.3275	1.4298	1.5322	1.6348	1.7375	1.8402	23.4
41.1-43.0	46.5- 48.8	0.1398	0.2438	0.3499	0.4576	0.5664	0.6760	0.7862	0.8969	1.0080	1.1194	1.2311	1.3430	1.4551	1.5673	1.6798	1.7923	1.9050	2.0178	23.7
43.1-45.0	49.0- 51.3	0.1523	0.2656	0.3812	0.4986	0.6172	0.7368	0.8571	0.9780	1.0993	1.2209	1.3429	1.4651	1.5876	1.7102	1.8331	1.9561	2.0792	2.2025	24.0
45.1-47.0	51.5- 53.9	0.1653	0.2883	0.4137	0.5411	0.6699	0.7999	0.9306	1.0620	1.1939	1.3262	1.4588	1.5918	1.7250	1.8585	1.9921	2.1259	2.2599	2.3941	24.2
47.1-49.0	54.0- 56.4	0.1789	0.3117	0.4473	0.5850	0.7245	0.8651	1.0066	1.1489	1.2918	1.4351	1.5789	1.7229	1.8673	2.0120	2.1568	2.3019	2.4471	2.5926	24.4
49.1-51.0	56.6- 59.0	0.1930	0.3361	0.4821	0.6305	0.7808	0.9325	1.0852	1.2388	1.3930	1.5478	1.7030	1.8586	2.0145	2.1707	2.3272	2.4839	2.6408	2.7979	24.6
51.1-53.0	59.1- 61.6	0.2076	0.3613	0.5180	0.6775	0.8390	1.0021	1.1663	1.3315	1.4975	1.6640	1.8311	1.9986	2.1665	2.3347	2.5031	2.6719	2.8408	3.0100	24.8
53.1-55.0	61.7- 64.2	0.2228	0.3874	0.5552	0.7259	0.8990	1.0738	1.2500	1.4272	1.6052	1.7839	1.9632	2.1430	2.3232	2.5038	2.6847	2.8658	3.0473	3.2289	25.0
55.1-57.0	64.4- 66.9	0.2386	0.4144	0.5935	0.7759	0.9609	1.1478	1.3361	1.5257	1.7162	1.9074	2.0993	2.2918	2.4847	2.6780	2.8717	3.0657	3.2600	3.4545	25.1
57.1-59.0	67.0- 69.5	0.2550	0.4423	0.6331	0.8274	1.0245	1.2238	1.4248	1.6270	1.8304	2.0345	2.2394	2.4449	2.6509	2.8573	3.0642	3.2714	3.4789	3.6867	25.2
59.1-61.0	69.7- 72.2	0.2721	0.4712	0.6738	0.8804	1.0900	1.3021	1.5159	1.7312	1.9477	2.1652	2.3834	2.6023	2.8218	3.0417	3.2621	3.4830	3.7041	3.9256	25.3
61.1-63.0	72.4- 75.0	0.2897	0.5009	0.7158	0.9349	1.1573	1.3824	1.6095	1.8383	2.0683	2.2993	2.5313	2.7640	2.9973	3.2311	3.4655	3.7003	3.9355	4.1710	25.4
63.1-65.0	75.1- 77.7	0.3080	0.5317	0.7590	0.9909	1.2265	1.4649	1.7056	1.9481	2.1920	2.4370	2.6830	2.9299	3.1774	3.4255	3.6742	3.9234	4.1729	4.4229	25.5
65.1-67.0	77.9- 80.5	0.3270	0.5634	0.8035	1.0485	1.2975	1.5496	1.8042	2.0607	2.3188	2.5782	2.8386	3.1000	3.3621	3.6249	3.8883	4.1521	4.4165	4.6813	25.6
67.1-69.0	80.6- 83.3	0.3467	0.5962	0.8493	1.1076	1.3703	1.6364	1.9052	2.1762	2.4488	2.7229	2.9981	3.2743	3.5514	3.8292	4.1076	4.3866	4.6661	4.9461	25.6
69.1-71.0	83.4- 86.1	0.3671	0.6299	0.8963	1.1683	1.4449	1.7253	2.0087	2.2944	2.5819	2.8710	3.1614	3.4528	3.7452	4.0383	4.3322	4.6267	4.9217	5.2173	25.7
71.1-73.0	86.2- 88.9	0.3883	0.6647	0.9447	1.2305	1.5214	1.8164	2.1146	2.4154	2.7181	3.0226	3.3284	3.6354	3.9435	4.2524	4.5621	4.8724	5.1834	5.4948	25.7
73.1-75.0	89.1- 91.8	0.4101	0.7006	0.9943	1.2943	1.5998	1.9097	2.2230	2.5391	2.8574	3.1776	3.4993	3.8222	4.1463	4.4713	4.7971	5.1237	5.4509	5.7787	25.8
75.1-77.0	92.0- 94.7	0.4328	0.7375	1.0453	1.3597	1.6800	2.0051	2.3339	2.6657	2.9999	3.3360	3.6739	4.0131	4.3535	4.6950	5.0373	5.3805	5.7243	6.0688	25.8
77.1-79.0	94.9- 97.6	0.4563	0.7756	1.0977	1.4268	1.7622	2.1026	2.4472	2.7950	3.1454	3.4979	3.8522	4.2081	4.5652	4.9235	5.2827	5.6428	6.0037	6.3652	25.8
79.1-81.0	97.8-100.6	0.4806	0.8148	1.1515	1.4954	1.8462	2.2024	2.5629	2.9270	3.2939	3.6632	4.0343	4.4071	4.7813	5.1567	5.5332	5.9106	6.2888	6.6678	25.9

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 1. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 2, 14, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.2- 3.2	0.0005	0.0007	0.0009	0.0011	0.0014	0.0016	0.0018	0.0020	0.0023	0.0025	0.0027	0.0029	0.0032	0.0034	0.0036	0.0038	0.0041	0.0043	4.3
3.1- 5.0	3.3- 5.3	0.0024	0.0036	0.0049	0.0062	0.0074	0.0087	0.0100	0.0112	0.0125	0.0138	0.0151	0.0163	0.0176	0.0189	0.0201	0.0214	0.0227	0.0239	6.8
5.1- 7.0	5.4- 7.4	0.0050	0.0077	0.0104	0.0132	0.0159	0.0187	0.0214	0.0242	0.0269	0.0297	0.0324	0.0351	0.0379	0.0406	0.0434	0.0461	0.0489	0.0516	9.1
7.1- 9.0	7.5- 9.5	0.0084	0.0131	0.0178	0.0225	0.0273	0.0320	0.0367	0.0415	0.0462	0.0510	0.0557	0.0605	0.0652	0.0700	0.0747	0.0795	0.0842	0.0890	11.2
9.1-11.0	9.6- 11.7	0.0127	0.0198	0.0270	0.0342	0.0414	0.0486	0.0559	0.0631	0.0704	0.0776	0.0849	0.0921	0.0994	0.1067	0.1139	0.1212	0.1285	0.1357	13.0
11.1-13.0	11.8- 13.9	0.0177	0.0277	0.0378	0.0480	0.0582	0.0684	0.0787	0.0889	0.0992	0.1095	0.1197	0.1300	0.1403	0.1506	0.1609	0.1712	0.1815	0.1918	14.6
13.1-15.0	14.0- 16.1	0.0235	0.0368	0.0503	0.0639	0.0776	0.0913	0.1051	0.1189	0.1327	0.1465	0.1603	0.1741	0.1879	0.2017	0.2156	0.2294	0.2432	0.2571	16.0
15.1-17.0	16.2- 18.3	0.0300	0.0471	0.0645	0.0820	0.0997	0.1174	0.1351	0.1529	0.1707	0.1885	0.2064	0.2242	0.2421	0.2600	0.2778	0.2957	0.3136	0.3315	17.3
17.1-19.0	18.5- 20.6	0.0374	0.0587	0.0803	0.1022	0.1243	0.1464	0.1687	0.1910	0.2133	0.2356	0.2580	0.2804	0.3028	0.3253	0.3477	0.3701	0.3926	0.4151	18.4
19.1-21.0	20.7- 22.9	0.0456	0.0714	0.0978	0.1245	0.1515	0.1786	0.2058	0.2330	0.2604	0.2878	0.3152	0.3426	0.3701	0.3976	0.4251	0.4526	0.4802	0.5077	19.5
21.1-23.0	23.0- 25.2	0.0547	0.0854	0.1169	0.1489	0.1812	0.2137	0.2464	0.2792	0.3120	0.3449	0.3779	0.4109	0.4439	0.4770	0.5101	0.5432	0.5763	0.6094	20.4
23.1-25.0	25.3- 27.6	0.0647	0.1007	0.1377	0.1754	0.2135	0.2519	0.2905	0.3293	0.3682	0.4071	0.4461	0.4852	0.5243	0.5634	0.6026	0.6418	0.6810	0.7203	21.2
25.1-27.0	27.7- 29.9	0.0757	0.1174	0.1603	0.2041	0.2484	0.2932	0.3382	0.3834	0.4288	0.4743	0.5199	0.5655	0.6112	0.6569	0.7027	0.7485	0.7944	0.8403	21.9
27.1-29.0	30.1- 32.3	0.0878	0.1354	0.1846	0.2349	0.2860	0.3375	0.3895	0.4416	0.4940	0.5465	0.5992	0.6519	0.7047	0.7575	0.8105	0.8634	0.9164	0.9694	22.5
29.1-31.0	32.5- 34.8	0.1009	0.1548	0.2106	0.2679	0.3261	0.3850	0.4443	0.5039	0.5638	0.6238	0.6840	0.7443	0.8048	0.8653	0.9258	0.9864	1.0471	1.1078	23.1
31.1-33.0	34.9- 37.2	0.1152	0.1757	0.2386	0.3032	0.3690	0.4356	0.5027	0.5702	0.6381	0.7062	0.7745	0.8429	0.9115	0.9801	1.0489	1.1177	1.1866	1.2555	23.6
33.1-35.0	37.3- 39.7	0.1307	0.1982	0.2684	0.3408	0.4145	0.4893	0.5648	0.6407	0.7171	0.7937	0.8706	0.9476	1.0249	1.1022	1.1797	1.2572	1.3348	1.4125	24.1
35.1-37.0	39.8- 42.2	0.1476	0.2223	0.3002	0.3807	0.4629	0.5463	0.6305	0.7154	0.8007	0.8864	0.9724	1.0586	1.1450	1.2315	1.3182	1.4050	1.4919	1.5789	24.5
37.1-39.0	42.3- 44.7	0.1659	0.2480	0.3340	0.4229	0.5140	0.6065	0.6999	0.7942	0.8890	0.9843	1.0799	1.1757	1.2719	1.3682	1.4646	1.5612	1.6580	1.7548	24.8
39.1-41.0	44.9- 47.3	0.1858	0.2756	0.3699	0.4677	0.5680	0.6700	0.7732	0.8773	0.9821	1.0874	1.1931	1.2992	1.4056	1.5122	1.6190	1.7259	1.8330	1.9402	25.2
41.1-43.0	47.4- 49.9	0.2072	0.3051	0.4079	0.5150	0.6249	0.7368	0.8502	0.9647	1.0800	1.1959	1.3123	1.4291	1.5462	1.6636	1.7813	1.8991	2.0171	2.1352	25.5
43.1-45.0	50.0- 52.5	0.2305	0.3365	0.4482	0.5648	0.6848	0.8071	0.9312	1.0565	1.1827	1.3097	1.4373	1.5653	1.6938	1.8226	1.9516	2.0809	2.2104	2.3400	25.7
45.1-47.0	52.6- 55.1	0.2555	0.3700	0.4909	0.6174	0.7478	0.8809	1.0161	1.1527	1.2904	1.4290	1.5683	1.7081	1.8484	1.9891	2.1301	2.2714	2.4129	2.5546	25.9
47.1-49.0	55.3- 57.8	0.2826	0.4056	0.5359	0.6726	0.8139	0.9583	1.1050	1.2534	1.4030	1.5538	1.7053	1.8574	2.0101	2.1633	2.3168	2.4706	2.6247	2.7791	26.2
49.1-51.0	57.9- 60.5	0.3118	0.4436	0.5835	0.7308	0.8832	1.0393	1.1980	1.3586	1.5208	1.6841	1.8484	2.0134	2.1790	2.3452	2.5118	2.6788	2.8460	3.0136	26.3
51.1-53.0	60.6- 63.2	0.3433	0.4839	0.6337	0.7918	0.9558	1.1240	1.2951	1.4685	1.6437	1.8201	1.9977	2.1761	2.3552	2.5350	2.7152	2.8958	3.0769	3.2582	26.5
53.1-55.0	63.3- 65.9	0.3772	0.5268	0.6867	0.8559	1.0318	1.2125	1.3965	1.5832	1.7718	1.9619	2.1533	2.3456	2.5388	2.7326	2.9271	3.1220	3.3174	3.5131	26.6
55.1-57.0	66.1- 68.7	0.4137	0.5724	0.7425	0.9231	1.1113	1.3049	1.5023	1.7026	1.9052	2.1095	2.3152	2.5220	2.7298	2.9384	3.1476	3.3573	3.5676	3.7783	26.8
57.1-59.0	68.8- 71.5	0.4530	0.6208	0.8013	0.9936	1.1944	1.4012	1.6125	1.8270	2.0440	2.2630	2.4836	2.7054	2.9284	3.1522	3.3767	3.6019	3.8277	4.0539	26.9
59.1-61.0	71.6- 74.3	0.4953	0.6722	0.8631	1.0674	1.2812	1.5017	1.7271	1.9563	2.1883	2.4225	2.6585	2.8959	3.1346	3.3742	3.6147	3.8560	4.0978	4.3402	27.0
61.1-63.0	74.4- 77.1	0.5407	0.7267	0.9282	1.1447	1.3717	1.6063	1.8464	2.0907	2.3381	2.5881	2.8400	3.0936	3.3486	3.6046	3.8616	4.1195	4.3780	4.6371	27.1
63.1-65.0	77.3- 80.0	0.5895	0.7845	0.9967	1.2255	1.4662	1.7152	1.9705	2.2303	2.4937	2.7599	3.0284	3.2986	3.5704	3.8435	4.1176	4.3926	4.6684	4.9449	27.2
65.1-67.0	80.2- 82.9	0.6419	0.8458	1.0687	1.3101	1.5647	1.8286	2.0993	2.3752	2.6550	2.9380	3.2235	3.5110	3.8002	4.0909	4.3827	4.6755	4.9692	5.2637	27.2
67.1-69.0	83.1- 85.8	0.6982	0.9108	1.1444	1.3985	1.6673	1.9464	2.2331	2.5255	2.8223	3.1226	3.4256	3.7310	4.0382	4.3469	4.6571	4.9683	5.2805	5.5936	27.3
69.1-71.0	86.0- 88.8	0.7586	0.9796	1.2239	1.4910	1.7742	2.0688	2.3719	2.6813	2.9955	3.3136	3.6348	3.9585	4.2843	4.6118	4.9408	5.2711	5.6024	5.9347	27.4
71.1-73.0	88.9- 91.8	0.8234	1.0525	1.3074	1.5875	1.8855	2.1961	2.5159	2.8427	3.1749	3.5113	3.8512	4.1938	4.5388	4.8856	5.2341	5.5841	5.9352	6.2873	27.4
73.1-75.0	91.9- 94.8	0.8929	1.1297	1.3951	1.6884	2.0013	2.3282	2.6652	3.0099	3.3605	3.7158	4.0749	4.4370	4.8017	5.1685	5.5371	5.9073	6.2788	6.6514	27.5
75.1-77.0	94.9- 97.8	0.9673	1.2113	1.4871	1.7937	2.1218	2.4653	2.8199	3.1830	3.5525	3.9272	4.3060	4.6882	5.0732	5.4606	5.8499	6.2410	6.6335	7.0273	27.5
77.1-79.0	97.9-100.8	1.0471	1.2978	1.5837	1.9036	2.2472	2.6076	2.9802	3.3620	3.7510	4.1456	4.5447	4.9476	5.3535	5.7620	6.1727	6.5853	6.9994	7.4150	27.5
79.1-81.0	101.0-103.9	1.1325	1.3892	1.6850	2.0182	2.3775	2.7551	3.1461	3.5472	3.9561	4.3711	4.7912	5.2152	5.6427	6.0729	6.5056	6.9403	7.3767	7.8147	27.6

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 2. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 9, 11

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.1- 3.2	0.0005	0.0007	0.0009	0.0011	0.0014	0.0016	0.0018	0.0020	0.0023	0.0025	0.0027	0.0030	0.0032	0.0034	0.0036	0.0039	0.0041	0.0043	3.4
3.1- 5.0	3.3- 5.4	0.0023	0.0036	0.0048	0.0060	0.0073	0.0085	0.0098	0.0110	0.0122	0.0135	0.0147	0.0159	0.0172	0.0184	0.0196	0.0209	0.0221	0.0234	5.9
5.1- 7.0	5.5- 7.6	0.0051	0.0078	0.0105	0.0132	0.0159	0.0186	0.0213	0.0240	0.0268	0.0295	0.0322	0.0349	0.0376	0.0403	0.0431	0.0458	0.0485	0.0512	8.3
7.1- 9.0	7.7- 9.8	0.0087	0.0134	0.0181	0.0228	0.0276	0.0323	0.0370	0.0418	0.0465	0.0512	0.0560	0.0607	0.0654	0.0702	0.0749	0.0797	0.0844	0.0891	10.6
9.1-11.0	9.9- 12.0	0.0132	0.0204	0.0277	0.0349	0.0422	0.0495	0.0567	0.0640	0.0713	0.0786	0.0859	0.0932	0.1005	0.1078	0.1150	0.1223	0.1296	0.1369	12.6
11.1-13.0	12.1- 14.2	0.0185	0.0287	0.0390	0.0494	0.0597	0.0700	0.0804	0.0907	0.1011	0.1114	0.1218	0.1322	0.1425	0.1529	0.1633	0.1736	0.1840	0.1944	14.4
13.1-15.0	14.3- 16.4	0.0246	0.0384	0.0522	0.0661	0.0800	0.0939	0.1078	0.1217	0.1357	0.1496	0.1636	0.1775	0.1915	0.2054	0.2194	0.2334	0.2473	0.2613	16.0
15.1-17.0	16.6- 18.7	0.0315	0.0493	0.0671	0.0850	0.1030	0.1210	0.1390	0.1570	0.1750	0.1931	0.2111	0.2292	0.2472	0.2653	0.2834	0.3014	0.3195	0.3376	17.4
17.1-19.0	18.8- 21.0	0.0392	0.0614	0.0837	0.1062	0.1287	0.1513	0.1738	0.1965	0.2191	0.2417	0.2644	0.2870	0.3097	0.3324	0.3550	0.3777	0.4004	0.4231	18.7
19.1-21.0	21.1- 23.2	0.0477	0.0747	0.1020	0.1295	0.1570	0.1846	0.2123	0.2400	0.2677	0.2954	0.3232	0.3510	0.3787	0.4065	0.4343	0.4621	0.4899	0.5177	19.8
21.1-23.0	23.3- 25.5	0.0570	0.0893	0.1220	0.1549	0.1880	0.2211	0.2543	0.2876	0.3209	0.3542	0.3875	0.4209	0.4543	0.4877	0.5211	0.5545	0.5879	0.6213	20.7
23.1-25.0	25.6- 27.8	0.0670	0.1050	0.1436	0.1824	0.2214	0.2606	0.2998	0.3391	0.3785	0.4179	0.4573	0.4968	0.5363	0.5758	0.6153	0.6548	0.6943	0.7338	21.6
25.1-27.0	27.9- 30.1	0.0779	0.1220	0.1668	0.2120	0.2574	0.3031	0.3488	0.3947	0.4406	0.4865	0.5325	0.5785	0.6246	0.6707	0.7168	0.7629	0.8090	0.8552	22.3
27.1-29.0	30.2- 32.4	0.0895	0.1401	0.1916	0.2436	0.2959	0.3485	0.4012	0.4541	0.5070	0.5600	0.6130	0.6661	0.7192	0.7724	0.8256	0.8788	0.9320	0.9852	22.9
29.1-31.0	32.5- 34.7	0.1020	0.1594	0.2180	0.2772	0.3369	0.3968	0.4570	0.5173	0.5777	0.6382	0.6988	0.7594	0.8201	0.8808	0.9415	1.0023	1.0631	1.1239	23.5
31.1-33.0	34.8- 37.0	0.1153	0.1800	0.2460	0.3128	0.3803	0.4481	0.5161	0.5843	0.6527	0.7212	0.7898	0.8584	0.9271	0.9958	1.0646	1.1334	1.2023	1.2712	23.9
33.1-35.0	37.2- 39.4	0.1294	0.2017	0.2756	0.3505	0.4261	0.5022	0.5785	0.6552	0.7320	0.8089	0.8859	0.9631	1.0402	1.1175	1.1948	1.2721	1.3495	1.4269	24.4
35.1-37.0	39.5- 41.7	0.1445	0.2247	0.3067	0.3901	0.4743	0.5591	0.6443	0.7297	0.8154	0.9012	0.9872	1.0733	1.1594	1.2457	1.3320	1.4183	1.5047	1.5911	24.7
37.1-39.0	41.9- 44.1	0.1605	0.2489	0.3395	0.4317	0.5250	0.6189	0.7133	0.8080	0.9030	0.9982	1.0936	1.1891	1.2847	1.3803	1.4761	1.5719	1.6678	1.7637	25.0
39.1-41.0	44.2- 46.5	0.1774	0.2744	0.3739	0.4754	0.5780	0.6815	0.7855	0.8900	0.9948	1.0998	1.2050	1.3104	1.4159	1.5215	1.6271	1.7329	1.8387	1.9446	25.3
41.1-43.0	46.6- 48.8	0.1953	0.3011	0.4099	0.5210	0.6334	0.7469	0.8610	0.9756	1.0906	1.2059	1.3214	1.4371	1.5530	1.6689	1.7850	1.9012	2.0175	2.1338	25.5
43.1-45.0	49.0- 51.2	0.2142	0.3292	0.4476	0.5685	0.6912	0.8150	0.9397	1.0649	1.1905	1.3165	1.4428	1.5693	1.6960	1.8228	1.9497	2.0768	2.2039	2.3311	25.7
45.1-47.0	51.4- 53.6	0.2341	0.3585	0.4869	0.6181	0.7514	0.8860	1.0215	1.1578	1.2945	1.4317	1.5691	1.7069	1.8448	1.9829	2.1212	2.2596	2.3981	2.5367	25.9
47.1-49.0	53.8- 56.0	0.2551	0.3893	0.5278	0.6697	0.8139	0.9597	1.1066	1.2543	1.4025	1.5513	1.7004	1.8498	1.9995	2.1493	2.2994	2.4496	2.5999	2.7503	26.0
49.1-51.0	56.2- 58.5	0.2773	0.4214	0.5704	0.7233	0.8789	1.0362	1.1948	1.3543	1.5146	1.6753	1.8365	1.9981	2.1599	2.3220	2.4843	2.6467	2.8093	2.9720	26.2
51.1-53.0	58.6- 60.9	0.3006	0.4549	0.6147	0.7790	0.9462	1.1155	1.2862	1.4580	1.6306	1.8038	1.9776	2.1517	2.3261	2.5008	2.6758	2.8509	3.0262	3.2017	26.3
53.1-55.0	61.0- 63.3	0.3251	0.4899	0.6608	0.8366	1.0159	1.1975	1.3807	1.5652	1.7506	1.9367	2.1234	2.3105	2.4980	2.6858	2.8739	3.0622	3.2507	3.4393	26.4
55.1-57.0	63.5- 65.8	0.3509	0.5263	0.7086	0.8964	1.0880	1.2823	1.4784	1.6760	1.8746	2.0740	2.2741	2.4746	2.6756	2.8770	3.0786	3.2805	3.4827	3.6850	26.5
57.1-59.0	65.9- 68.3	0.3779	0.5643	0.7581	0.9582	1.1625	1.3698	1.5793	1.7903	2.0025	2.2157	2.4295	2.6440	2.8589	3.0742	3.2899	3.5059	3.7221	3.9385	26.5
59.1-61.0	68.4- 70.7	0.4064	0.6038	0.8095	1.0220	1.2394	1.4602	1.6833	1.9082	2.1344	2.3617	2.5898	2.8185	3.0478	3.2776	3.5077	3.7381	3.9689	4.1998	26.6
61.1-63.0	70.8- 73.2	0.4362	0.6450	0.8626	1.0880	1.3188	1.5533	1.7904	2.0296	2.2702	2.5120	2.7548	2.9983	3.2423	3.4869	3.7320	3.9774	4.2231	4.4690	26.6
63.1-65.0	73.3- 75.7	0.4675	0.6878	0.9177	1.1562	1.4006	1.6492	1.9007	2.1545	2.4100	2.6667	2.9245	3.1832	3.4425	3.7024	3.9627	4.2235	4.4846	4.7460	26.7
65.1-67.0	75.8- 78.2	0.5004	0.7322	0.9746	1.2264	1.4849	1.7479	2.0142	2.2830	2.5536	2.8258	3.0990	3.3732	3.6482	3.9238	4.1999	4.4765	4.7535	5.0308	26.7
67.1-69.0	78.3- 80.7	0.5348	0.7784	1.0335	1.2989	1.5716	1.8494	2.1308	2.4150	2.7012	2.9891	3.2782	3.5684	3.8594	4.1512	4.4435	4.7363	5.0296	5.3232	26.8
69.1-71.0	80.8- 83.2	0.5708	0.8264	1.0943	1.3736	1.6608	1.9537	2.2506	2.5505	2.8527	3.1567	3.4622	3.7687	4.0763	4.3845	4.6935	5.0030	5.3130	5.6234	26.8
71.1-73.0	83.4- 85.8	0.6086	0.8762	1.1572	1.4505	1.7526	2.0608	2.3736	2.6896	3.0082	3.3287	3.6508	3.9742	4.2986	4.6239	4.9499	5.2765	5.6037	5.9313	26.8
73.1-75.0	85.9- 88.3	0.6482	0.9279	1.2221	1.5297	1.8469	2.1708	2.4997	2.8322	3.1675	3.5050	3.8441	4.1847	4.5264	4.8691	5.2126	5.5568	5.9015	6.2468	26.8
75.1-77.0	88.4- 90.9	0.6896	0.9816	1.2890	1.6111	1.9437	2.2837	2.6291	2.9784	3.3308	3.6855	4.0422	4.4003	4.7598	5.1203	5.4817	5.8438	6.2066	6.5699	26.9
77.1-79.0	91.0- 93.4	0.7329	1.0372	1.3581	1.6949	2.0432	2.3995	2.7616	3.1281	3.4979	3.8704	4.2449	4.6211	4.9986	5.3774	5.7570	6.1376	6.5188	6.9006	26.9
79.1-81.0	93.6- 96.0	0.7783	1.0949	1.4294	1.7811	2.1452	2.5181	2.8974	3.2814	3.6690	4.0595	4.4523	4.8469	5.2430	5.6403	6.0387	6.4381	6.8381	7.2389	26.9

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 3. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
3.1- 5.0	2.2- 4.5	0.0016	0.0024	0.0033	0.0042	0.0050	0.0059	0.0067	0.0076	0.0085	0.0093	0.0102	0.0110	0.0119	0.0128	0.0136	0.0145	0.0153	0.0162	4.7
5.1- 7.0	4.6- 6.9	0.0039	0.0061	0.0082	0.0104	0.0125	0.0147	0.0168	0.0190	0.0212	0.0233	0.0255	0.0276	0.0298	0.0320	0.0341	0.0363	0.0385	0.0406	6.6
7.1- 9.0	7.1- 9.4	0.0072	0.0113	0.0153	0.0194	0.0235	0.0276	0.0317	0.0357	0.0398	0.0439	0.0480	0.0521	0.0562	0.0603	0.0644	0.0685	0.0726	0.0767	8.4
9.1-11.0	9.5- 11.8	0.0116	0.0181	0.0247	0.0313	0.0379	0.0445	0.0512	0.0578	0.0645	0.0711	0.0778	0.0844	0.0911	0.0978	0.1044	0.1111	0.1178	0.1244	10.1
11.1-13.0	11.9- 14.2	0.0169	0.0264	0.0361	0.0459	0.0557	0.0655	0.0753	0.0851	0.0949	0.1048	0.1146	0.1245	0.1343	0.1442	0.1541	0.1639	0.1738	0.1837	11.7
13.1-15.0	14.3- 16.6	0.0231	0.0362	0.0496	0.0631	0.0766	0.0901	0.1037	0.1173	0.1309	0.1446	0.1582	0.1719	0.1855	0.1992	0.2128	0.2265	0.2402	0.2539	13.2
15.1-17.0	16.7- 18.9	0.0301	0.0474	0.0650	0.0827	0.1005	0.1183	0.1362	0.1542	0.1722	0.1902	0.2082	0.2262	0.2442	0.2622	0.2803	0.2983	0.3164	0.3345	14.6
17.1-19.0	19.0- 21.3	0.0381	0.0599	0.0821	0.1045	0.1271	0.1498	0.1726	0.1954	0.2183	0.2412	0.2641	0.2870	0.3099	0.3329	0.3559	0.3789	0.4019	0.4249	15.9
19.1-21.0	21.4- 23.6	0.0468	0.0735	0.1008	0.1285	0.1563	0.1843	0.2124	0.2406	0.2689	0.2972	0.3255	0.3538	0.3822	0.4106	0.4390	0.4675	0.4959	0.5244	17.0
21.1-23.0	23.7- 26.0	0.0564	0.0884	0.1211	0.1543	0.1878	0.2216	0.2555	0.2895	0.3236	0.3578	0.3920	0.4262	0.4605	0.4948	0.5291	0.5635	0.5978	0.6322	18.1
23.1-25.0	26.1- 28.3	0.0667	0.1042	0.1427	0.1819	0.2215	0.2614	0.3015	0.3418	0.3821	0.4226	0.4631	0.5036	0.5442	0.5849	0.6256	0.6663	0.7070	0.7478	19.1
25.1-27.0	28.4- 30.6	0.0778	0.1211	0.1657	0.2111	0.2571	0.3035	0.3502	0.3970	0.4440	0.4911	0.5383	0.5856	0.6329	0.6803	0.7278	0.7752	0.8227	0.8702	20.0
27.1-29.0	30.7- 32.9	0.0897	0.1389	0.1898	0.2418	0.2945	0.3476	0.4012	0.4550	0.5089	0.5631	0.6173	0.6716	0.7261	0.7805	0.8351	0.8897	0.9443	0.9989	20.9
29.1-31.0	33.0- 35.1	0.1023	0.1577	0.2150	0.2737	0.3333	0.3936	0.4543	0.5153	0.5766	0.6380	0.6996	0.7613	0.8231	0.8850	0.9470	1.0090	1.0710	1.1332	21.6
31.1-33.0	35.2- 37.4	0.1156	0.1773	0.2412	0.3068	0.3736	0.4411	0.5092	0.5777	0.6465	0.7155	0.7847	0.8541	0.9236	0.9932	1.0628	1.1326	1.2024	1.2722	22.3
33.1-35.0	37.5- 39.6	0.1297	0.1977	0.2683	0.3410	0.4151	0.4901	0.5658	0.6419	0.7185	0.7953	0.8724	0.9496	1.0270	1.1045	1.1822	1.2599	1.3377	1.4155	23.0
35.1-37.0	39.7- 41.9	0.1445	0.2188	0.2962	0.3761	0.4576	0.5402	0.6237	0.7077	0.7922	0.8770	0.9621	1.0474	1.1329	1.2186	1.3044	1.3903	1.4763	1.5624	23.6
37.1-39.0	42.0- 44.1	0.1600	0.2407	0.3249	0.4120	0.5010	0.5914	0.6827	0.7747	0.8673	0.9603	1.0536	1.1471	1.2409	1.3349	1.4291	1.5233	1.6177	1.7122	24.1
39.1-41.0	44.2- 46.3	0.1763	0.2633	0.3543	0.4486	0.5452	0.6434	0.7427	0.8428	0.9435	1.0448	1.1464	1.2484	1.3506	1.4530	1.5557	1.6584	1.7613	1.8644	24.6
41.1-43.0	46.4- 48.5	0.1934	0.2866	0.3843	0.4859	0.5900	0.6960	0.8034	0.9117	1.0207	1.1303	1.2404	1.3508	1.4615	1.5725	1.6838	1.7951	1.9067	2.0184	25.0
43.1-45.0	48.6- 50.7	0.2111	0.3105	0.4149	0.5236	0.6354	0.7492	0.8646	0.9811	1.0985	1.2165	1.3350	1.4540	1.5734	1.6930	1.8129	1.9330	2.0533	2.1737	25.4
45.1-47.0	50.8- 52.8	0.2297	0.3350	0.4460	0.5619	0.6811	0.8028	0.9262	1.0510	1.1767	1.3031	1.4302	1.5578	1.6858	1.8141	1.9427	2.0716	2.2006	2.3299	25.8
47.1-49.0	52.9- 55.0	0.2490	0.3602	0.4776	0.6004	0.7272	0.8567	0.9881	1.1210	1.2550	1.3900	1.5256	1.6617	1.7984	1.9354	2.0728	2.2104	2.3483	2.4864	26.1
49.1-51.0	55.1- 57.1	0.2691	0.3859	0.5096	0.6393	0.7734	0.9106	1.0500	1.1911	1.3334	1.4767	1.6209	1.7656	1.9109	2.0567	2.2028	2.3492	2.4959	2.6429	26.4
51.1-53.0	57.2- 59.2	0.2899	0.4122	0.5419	0.6784	0.8198	0.9646	1.1119	1.2610	1.4116	1.5633	1.7159	1.8692	2.0231	2.1775	2.3324	2.4876	2.6431	2.7988	26.7
53.1-55.0	59.3- 61.3	0.3116	0.4391	0.5746	0.7177	0.8662	1.0185	1.1735	1.3307	1.4894	1.6494	1.8104	1.9722	2.1347	2.2977	2.4612	2.6251	2.7894	2.9539	26.9
55.1-57.0	61.4- 63.4	0.3340	0.4665	0.6077	0.7571	0.9125	1.0722	1.2349	1.3999	1.5667	1.7349	1.9042	2.0744	2.2454	2.4170	2.5891	2.7616	2.9346	3.1079	27.1
57.1-59.0	63.5- 65.5	0.3573	0.4944	0.6409	0.7966	0.9588	1.1256	1.2958	1.4686	1.6433	1.8196	1.9971	2.1756	2.3550	2.5350	2.7156	2.8967	3.0783	3.2602	27.3
59.1-61.0	65.6- 67.6	0.3814	0.5229	0.6745	0.8361	1.0048	1.1786	1.3562	1.5366	1.7191	1.9034	2.0889	2.2756	2.4633	2.6516	2.8407	3.0302	3.2203	3.4107	27.5
61.1-63.0	67.7- 69.6	0.4063	0.5518	0.7082	0.8755	1.0506	1.2313	1.4160	1.6038	1.7940	1.9860	2.1796	2.3743	2.5700	2.7666	2.9639	3.1618	3.3603	3.5591	27.7
63.1-65.0	69.7- 71.7	0.4321	0.5812	0.7422	0.9149	1.0961	1.2834	1.4751	1.6702	1.8678	2.0675	2.2688	2.4714	2.6752	2.8798	3.0852	3.2913	3.4980	3.7052	27.9
65.1-67.0	71.8- 73.7	0.4588	0.6112	0.7763	0.9542	1.1413	1.3349	1.5334	1.7356	1.9405	2.1476	2.3565	2.5669	2.7784	2.9910	3.2044	3.4185	3.6333	3.8486	28.0
67.1-69.0	73.8- 75.7	0.4863	0.6416	0.8105	0.9933	1.1860	1.3859	1.5909	1.7999	2.0119	2.2263	2.4426	2.6605	2.8797	3.1000	3.3212	3.5432	3.7659	3.9892	28.1
69.1-71.0	75.8- 77.7	0.5148	0.6724	0.8449	1.0323	1.2304	1.4361	1.6475	1.8631	2.0820	2.3034	2.5270	2.7523	2.9789	3.2067	3.4356	3.6653	3.8957	4.1268	28.2
71.1-73.0	77.8- 79.7	0.5441	0.7038	0.8794	1.0711	1.2742	1.4857	1.7031	1.9251	2.1507	2.3790	2.6095	2.8419	3.0759	3.3110	3.5473	3.7845	4.0225	4.2611	28.3
73.1-75.0	79.8- 81.7	0.5743	0.7356	0.9139	1.1096	1.3176	1.5344	1.7577	1.9859	2.2179	2.4528	2.6902	2.9295	3.1705	3.4128	3.6563	3.9008	4.1461	4.3922	28.4
75.1-77.0	81.8- 83.6	0.6055	0.7679	0.9486	1.1479	1.3604	1.5824	1.8113	2.0454	2.2835	2.5249	2.7688	3.0149	3.2626	3.5119	3.7624	4.0140	4.2665	4.5197	28.5
77.1-79.0	83.7- 85.6	0.6377	0.8006	0.9833	1.1859	1.4027	1.6295	1.8637	2.1035	2.3476	2.5951	2.8454	3.0979	3.3523	3.6083	3.8656	4.1240	4.3834	4.6437	28.6
79.1-81.0	85.7- 87.5	0.6708	0.8337	1.0180	1.2236	1.4443	1.6758	1.9150	2.1602	2.4100	2.6635	2.9199	3.1786	3.4394	3.7018	3.9657	4.2308	4.4969	4.7639	28.7

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 4. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 1, 3, 4, 5, 6, 12, 13

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.1- 3.2	0.0004	0.0007	0.0009	0.0011	0.0013	0.0015	0.0018	0.0020	0.0022	0.0024	0.0027	0.0029	0.0031	0.0033	0.0036	0.0038	0.0040	0.0042	3.6
3.1- 5.0	3.3- 5.4	0.0022	0.0033	0.0044	0.0056	0.0067	0.0078	0.0090	0.0101	0.0112	0.0124	0.0135	0.0146	0.0158	0.0169	0.0180	0.0191	0.0203	0.0214	6.3
5.1- 7.0	5.5- 7.6	0.0048	0.0074	0.0099	0.0125	0.0150	0.0175	0.0201	0.0226	0.0251	0.0277	0.0302	0.0328	0.0353	0.0378	0.0404	0.0429	0.0455	0.0480	8.9
7.1- 9.0	7.7- 9.8	0.0085	0.0130	0.0175	0.0219	0.0264	0.0309	0.0354	0.0399	0.0444	0.0488	0.0533	0.0578	0.0623	0.0668	0.0713	0.0758	0.0803	0.0847	11.2
9.1-11.0	9.9- 12.0	0.0131	0.0201	0.0270	0.0340	0.0409	0.0479	0.0549	0.0618	0.0688	0.0758	0.0827	0.0897	0.0966	0.1036	0.1106	0.1175	0.1245	0.1315	13.2
11.1-13.0	12.1- 14.2	0.0187	0.0286	0.0386	0.0485	0.0585	0.0684	0.0784	0.0884	0.0983	0.1083	0.1183	0.1282	0.1382	0.1482	0.1581	0.1681	0.1781	0.1881	15.1
13.1-15.0	14.4- 16.5	0.0251	0.0386	0.0520	0.0655	0.0790	0.0924	0.1059	0.1194	0.1329	0.1463	0.1598	0.1733	0.1868	0.2003	0.2138	0.2273	0.2408	0.2543	16.6
15.1-17.0	16.6- 18.8	0.0324	0.0499	0.0673	0.0848	0.1023	0.1198	0.1373	0.1548	0.1723	0.1898	0.2073	0.2248	0.2423	0.2598	0.2774	0.2949	0.3124	0.3299	18.0
17.1-19.0	18.9- 21.1	0.0405	0.0625	0.0845	0.1065	0.1285	0.1505	0.1725	0.1945	0.2165	0.2385	0.2606	0.2826	0.3046	0.3267	0.3487	0.3708	0.3928	0.4149	19.2
19.1-21.0	21.2- 23.3	0.0495	0.0764	0.1034	0.1304	0.1574	0.1844	0.2114	0.2384	0.2654	0.2925	0.3195	0.3466	0.3736	0.4007	0.4277	0.4548	0.4819	0.5089	20.2
21.1-23.0	23.5- 25.7	0.0593	0.0916	0.1241	0.1565	0.1890	0.2215	0.2540	0.2865	0.3190	0.3515	0.3840	0.4166	0.4491	0.4817	0.5142	0.5468	0.5793	0.6119	21.0
23.1-25.0	25.8- 28.0	0.0698	0.1081	0.1464	0.1848	0.2232	0.2616	0.3001	0.3385	0.3770	0.4155	0.4540	0.4925	0.5310	0.5695	0.6080	0.6466	0.6851	0.7237	21.8
25.1-27.0	28.1- 30.3	0.0811	0.1257	0.1704	0.2152	0.2600	0.3048	0.3497	0.3946	0.4395	0.4844	0.5293	0.5742	0.6192	0.6641	0.7091	0.7540	0.7990	0.8440	22.4
27.1-29.0	30.4- 32.7	0.0931	0.1445	0.1960	0.2476	0.2993	0.3510	0.4027	0.4545	0.5062	0.5580	0.6098	0.6616	0.7135	0.7653	0.8172	0.8690	0.9209	0.9728	23.0
29.1-31.0	32.8- 35.1	0.1058	0.1645	0.2232	0.2821	0.3411	0.4000	0.4591	0.5182	0.5772	0.6364	0.6955	0.7546	0.8138	0.8730	0.9322	0.9914	1.0506	1.1098	23.4
31.1-33.0	35.2- 37.4	0.1193	0.1855	0.2520	0.3185	0.3852	0.4519	0.5187	0.5855	0.6524	0.7193	0.7862	0.8531	0.9200	0.9870	1.0540	1.1209	1.1879	1.2549	23.8
33.1-35.0	37.6- 39.8	0.1334	0.2077	0.2822	0.3569	0.4317	0.5066	0.5816	0.6566	0.7316	0.8067	0.8818	0.9569	1.0321	1.1072	1.1824	1.2576	1.3328	1.4081	24.2
35.1-37.0	40.0- 42.2	0.1482	0.2309	0.3139	0.3971	0.4805	0.5640	0.6475	0.7312	0.8148	0.8985	0.9822	1.0660	1.1498	1.2336	1.3174	1.4012	1.4851	1.5690	24.5
37.1-39.0	42.4- 44.7	0.1637	0.2551	0.3470	0.4392	0.5315	0.6240	0.7166	0.8092	0.9019	0.9946	1.0874	1.1802	1.2730	1.3659	1.4587	1.5516	1.6446	1.7375	24.7
39.1-41.0	44.8- 47.1	0.1798	0.2804	0.3816	0.4831	0.5848	0.6866	0.7886	0.8907	0.9928	1.0950	1.1972	1.2994	1.4017	1.5040	1.6064	1.7087	1.8111	1.9136	24.9
41.1-43.0	47.2- 49.6	0.1965	0.3067	0.4175	0.5287	0.6402	0.7518	0.8636	0.9755	1.0874	1.1994	1.3115	1.4236	1.5358	1.6479	1.7601	1.8724	1.9847	2.0969	25.1
43.1-45.0	49.7- 52.0	0.2139	0.3340	0.4548	0.5761	0.6977	0.8195	0.9414	1.0635	1.1857	1.3079	1.4302	1.5526	1.6750	1.7975	1.9199	2.0424	2.1650	2.2875	25.3
45.1-47.0	52.2- 54.5	0.2319	0.3622	0.4934	0.6251	0.7572	0.8895	1.0221	1.1548	1.2875	1.4204	1.5533	1.6863	1.8194	1.9525	2.0856	2.2188	2.3520	2.4852	25.4
47.1-49.0	54.7- 57.0	0.2505	0.3914	0.5332	0.6758	0.8187	0.9620	1.1055	1.2491	1.3929	1.5368	1.6807	1.8247	1.9688	2.1129	2.2571	2.4013	2.5455	2.6898	25.5
49.1-51.0	57.2- 59.5	0.2698	0.4215	0.5744	0.7280	0.8822	1.0368	1.1916	1.3466	1.5017	1.6569	1.8122	1.9676	2.1231	2.2786	2.4342	2.5898	2.7455	2.9012	25.6
51.1-53.0	59.7- 62.1	0.2896	0.4525	0.6167	0.7819	0.9477	1.1138	1.2803	1.4470	1.6138	1.7807	1.9478	2.1150	2.2822	2.4495	2.6168	2.7842	2.9517	3.1192	25.7
53.1-55.0	62.2- 64.6	0.3100	0.4844	0.6603	0.8373	1.0150	1.1931	1.3716	1.5503	1.7292	1.9082	2.0874	2.2666	2.4460	2.6254	2.8049	2.9844	3.1640	3.3437	25.7
55.1-57.0	64.7- 67.2	0.3310	0.5171	0.7051	0.8942	1.0841	1.2746	1.4654	1.6565	1.8478	2.0393	2.2309	2.4226	2.6144	2.8063	2.9983	3.1903	3.3824	3.5745	25.8
57.1-59.0	67.3- 69.7	0.3526	0.5508	0.7510	0.9526	1.1551	1.3582	1.5617	1.7655	1.9695	2.1738	2.3782	2.5827	2.7873	2.9920	3.1968	3.4017	3.6067	3.8116	25.9
59.1-61.0	69.9- 72.3	0.3747	0.5853	0.7981	1.0124	1.2278	1.4438	1.6604	1.8772	2.0944	2.3117	2.5292	2.7469	2.9647	3.1825	3.4005	3.6186	3.8367	4.0549	25.9
61.1-63.0	72.5- 74.9	0.3975	0.6206	0.8463	1.0737	1.3022	1.5315	1.7614	1.9916	2.2222	2.4530	2.6839	2.9151	3.1463	3.3777	3.6092	3.8407	4.0724	4.3041	25.9
63.1-65.0	75.1- 77.5	0.4208	0.6567	0.8955	1.1363	1.3784	1.6212	1.8647	2.1087	2.3529	2.5975	2.8422	3.0871	3.3322	3.5774	3.8227	4.0681	4.3136	4.5591	26.0
65.1-67.0	77.7- 80.2	0.4446	0.6937	0.9459	1.2003	1.4561	1.7129	1.9703	2.2282	2.4865	2.7451	3.0040	3.2630	3.5222	3.7815	4.0410	4.3005	4.5602	4.8199	26.0
67.1-69.0	80.3- 82.8	0.4691	0.7315	0.9973	1.2656	1.5355	1.8064	2.0781	2.3503	2.6230	2.8959	3.1692	3.4426	3.7162	3.9900	4.2639	4.5380	4.8121	5.0863	26.0
69.1-71.0	82.9- 85.5	0.4940	0.7700	1.0498	1.3322	1.6164	1.9018	2.1880	2.4749	2.7621	3.0498	3.3377	3.6259	3.9142	4.2028	4.4915	4.7803	5.0692	5.3582	26.0
71.1-73.0	85.6- 88.1	0.5196	0.8093	1.1032	1.4001	1.6989	1.9991	2.3001	2.6018	2.9040	3.2066	3.5095	3.8127	4.1161	4.4197	4.7234	5.0273	5.3313	5.6354	26.0
73.1-75.0	88.3- 90.8	0.5457	0.8494	1.1577	1.4693	1.7830	2.0981	2.4142	2.7310	3.0485	3.3663	3.6845	4.0030	4.3217	4.6407	4.9598	5.2790	5.5984	5.9179	26.1
75.1-77.0	91.0- 93.5	0.5723	0.8903	1.2132	1.5396	1.8684	2.1988	2.5303	2.8626	3.1955	3.5289	3.8626	4.1967	4.5311	4.8656	5.2004	5.5353	5.8704	6.2056	26.1
77.1-79.0	93.7- 96.3	0.5995	0.9319	1.2696	1.6112	1.9554	2.3013	2.6484	2.9964	3.3450	3.6942	4.0438	4.3938	4.7440	5.0945	5.4451	5.7960	6.1470	6.4982	26.1
79.1-81.0	96.4- 99.0	0.6273	0.9742	1.3270	1.6839	2.0437	2.4054	2.7684	3.1323	3.4970	3.8623	4.2280	4.5941	4.9604	5.3271	5.6940	6.0611	6.4283	6.7957	26.1

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 5. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	0.9- 3.0	0.0004	0.0006	0.0008	0.0011	0.0013	0.0015	0.0018	0.0020	0.0022	0.0024	0.0027	0.0029	0.0031	0.0033	0.0036	0.0038	0.0040	0.0043	3.8
3.1- 5.0	3.1- 5.2	0.0021	0.0032	0.0042	0.0053	0.0064	0.0075	0.0086	0.0097	0.0108	0.0118	0.0129	0.0140	0.0151	0.0162	0.0173	0.0184	0.0195	0.0205	6.3
5.1- 7.0	5.3- 7.5	0.0047	0.0071	0.0096	0.0121	0.0146	0.0171	0.0196	0.0221	0.0246	0.0270	0.0295	0.0320	0.0345	0.0370	0.0395	0.0420	0.0445	0.0470	8.7
7.1- 9.0	7.6- 9.7	0.0082	0.0127	0.0171	0.0216	0.0260	0.0305	0.0349	0.0394	0.0438	0.0483	0.0527	0.0572	0.0616	0.0661	0.0705	0.0750	0.0794	0.0839	10.9
9.1-11.0	9.8- 12.0	0.0127	0.0197	0.0266	0.0336	0.0405	0.0475	0.0545	0.0614	0.0684	0.0754	0.0824	0.0893	0.0963	0.1033	0.1103	0.1172	0.1242	0.1312	12.8
11.1-13.0	12.1- 14.2	0.0181	0.0281	0.0381	0.0481	0.0581	0.0682	0.0782	0.0882	0.0982	0.1083	0.1183	0.1284	0.1384	0.1485	0.1585	0.1686	0.1786	0.1887	14.5
13.1-15.0	14.3- 16.5	0.0244	0.0379	0.0515	0.0651	0.0787	0.0923	0.1059	0.1195	0.1332	0.1468	0.1604	0.1741	0.1877	0.2014	0.2150	0.2287	0.2424	0.2560	16.1
15.1-17.0	16.6- 18.8	0.0315	0.0491	0.0667	0.0844	0.1021	0.1198	0.1375	0.1553	0.1730	0.1908	0.2085	0.2263	0.2441	0.2619	0.2796	0.2974	0.3152	0.3330	17.4
17.1-19.0	18.9- 21.1	0.0394	0.0615	0.0837	0.1059	0.1282	0.1505	0.1729	0.1953	0.2176	0.2400	0.2624	0.2848	0.3072	0.3297	0.3521	0.3745	0.3970	0.4194	18.6
19.1-21.0	21.2- 23.3	0.0481	0.0751	0.1023	0.1296	0.1570	0.1844	0.2119	0.2394	0.2669	0.2944	0.3219	0.3495	0.3770	0.4046	0.4321	0.4597	0.4873	0.5149	19.7
21.1-23.0	23.5- 25.6	0.0575	0.0899	0.1226	0.1554	0.1884	0.2214	0.2544	0.2875	0.3206	0.3537	0.3869	0.4200	0.4532	0.4864	0.5195	0.5527	0.5859	0.6192	20.6
23.1-25.0	25.8- 28.0	0.0677	0.1059	0.1445	0.1833	0.2222	0.2612	0.3003	0.3395	0.3786	0.4178	0.4571	0.4963	0.5355	0.5748	0.6141	0.6534	0.6927	0.7320	21.4
25.1-27.0	28.1- 30.3	0.0785	0.1230	0.1679	0.2131	0.2584	0.3039	0.3495	0.3952	0.4408	0.4866	0.5323	0.5781	0.6239	0.6697	0.7156	0.7614	0.8073	0.8531	22.1
27.1-29.0	30.4- 32.6	0.0901	0.1412	0.1928	0.2447	0.2970	0.3494	0.4019	0.4544	0.5071	0.5598	0.6125	0.6652	0.7180	0.7708	0.8237	0.8765	0.9294	0.9823	22.7
29.1-31.0	32.7- 34.9	0.1024	0.1604	0.2190	0.2782	0.3377	0.3974	0.4572	0.5172	0.5772	0.6373	0.6974	0.7576	0.8178	0.8780	0.9382	0.9985	1.0588	1.1191	23.2
31.1-33.0	35.0- 37.3	0.1154	0.1806	0.2467	0.3135	0.3806	0.4480	0.5155	0.5832	0.6510	0.7189	0.7868	0.8548	0.9229	0.9909	1.0590	1.1272	1.1953	1.2635	23.7
33.1-35.0	37.4- 39.6	0.1291	0.2018	0.2757	0.3504	0.4255	0.5010	0.5767	0.6525	0.7285	0.8045	0.8807	0.9569	1.0332	1.1095	1.1858	1.2622	1.3386	1.4151	24.1
35.1-37.0	39.7- 42.0	0.1435	0.2240	0.3060	0.3889	0.4724	0.5563	0.6405	0.7249	0.8094	0.8940	0.9788	1.0636	1.1485	1.2334	1.3184	1.4034	1.4885	1.5736	24.5
37.1-39.0	42.1- 44.3	0.1585	0.2472	0.3376	0.4290	0.5212	0.6139	0.7069	0.8002	0.8936	0.9872	1.0809	1.1747	1.2686	1.3626	1.4566	1.5506	1.6447	1.7388	24.8
39.1-41.0	44.4- 46.7	0.1742	0.2713	0.3703	0.4707	0.5719	0.6737	0.7759	0.8784	0.9811	1.0840	1.1870	1.2901	1.3934	1.4967	1.6001	1.7035	1.8070	1.9105	25.1
41.1-43.0	46.8- 49.1	0.1906	0.2963	0.4042	0.5138	0.6243	0.7355	0.8472	0.9593	1.0716	1.1842	1.2968	1.4097	1.5226	1.6356	1.7487	1.8619	1.9751	2.0884	25.3
43.1-45.0	49.2- 51.5	0.2077	0.3222	0.4393	0.5583	0.6784	0.7994	0.9209	1.0429	1.1651	1.2876	1.4103	1.5331	1.6561	1.7792	1.9023	2.0256	2.1489	2.2723	25.5
45.1-47.0	51.6- 53.9	0.2254	0.3490	0.4755	0.6042	0.7342	0.8652	0.9968	1.1290	1.2615	1.3942	1.5272	1.6604	1.7937	1.9272	2.0607	2.1944	2.3281	2.4619	25.7
47.1-49.0	54.0- 56.3	0.2439	0.3767	0.5128	0.6514	0.7916	0.9328	1.0749	1.2175	1.3605	1.5039	1.6475	1.7913	1.9353	2.0794	2.2236	2.3680	2.5125	2.6570	25.9
49.1-51.0	56.4- 58.7	0.2630	0.4052	0.5512	0.6999	0.8505	1.0023	1.1550	1.3083	1.4622	1.6164	1.7709	1.9256	2.0806	2.2357	2.3910	2.5463	2.7018	2.8574	26.0
51.1-53.0	58.8- 61.1	0.2829	0.4346	0.5906	0.7496	0.9108	1.0734	1.2371	1.4014	1.5663	1.7317	1.8974	2.0633	2.2295	2.3959	2.5625	2.7291	2.8959	3.0629	26.1
53.1-55.0	61.2- 63.5	0.3035	0.4649	0.6310	0.8006	0.9726	1.1462	1.3210	1.4967	1.6729	1.8497	2.0268	2.2042	2.3820	2.5599	2.7380	2.9162	3.0946	3.2732	26.2
55.1-57.0	63.6- 66.0	0.3247	0.4960	0.6723	0.8527	1.0358	1.2206	1.4068	1.5939	1.7818	1.9702	2.1590	2.3482	2.5377	2.7274	2.9173	3.1074	3.2977	3.4881	26.3
57.1-59.0	66.1- 68.4	0.3467	0.5279	0.7147	0.9060	1.1002	1.2965	1.4943	1.6932	1.8928	2.0931	2.2939	2.4950	2.6965	2.8983	3.1003	3.3026	3.5049	3.7075	26.4
59.1-61.0	68.5- 70.8	0.3695	0.5607	0.7580	0.9603	1.1660	1.3739	1.5835	1.7943	2.0059	2.2183	2.4313	2.6447	2.8584	3.0725	3.2869	3.5014	3.7162	3.9311	26.5
61.1-63.0	71.0- 73.3	0.3930	0.5943	0.8023	1.0157	1.2329	1.4527	1.6742	1.8972	2.1211	2.3458	2.5711	2.7970	3.0232	3.2498	3.4767	3.7038	3.9312	4.1587	26.5
63.1-65.0	73.4- 75.8	0.4172	0.6287	0.8474	1.0722	1.3011	1.5328	1.7665	2.0018	2.2381	2.4754	2.7133	2.9518	3.1907	3.4300	3.6697	3.9096	4.1498	4.3902	26.6
65.1-67.0	75.9- 78.2	0.4422	0.6639	0.8935	1.1297	1.3704	1.6142	1.8603	2.1080	2.3570	2.6069	2.8576	3.1090	3.3608	3.6131	3.8657	4.1187	4.3718	4.6253	26.6
67.1-69.0	78.4- 80.7	0.4681	0.7000	0.9404	1.1881	1.4408	1.6969	1.9554	2.2158	2.4776	2.7404	3.0041	3.2685	3.5334	3.7988	4.0646	4.3307	4.5972	4.8638	26.7
69.1-71.0	80.8- 83.2	0.4947	0.7369	0.9882	1.2475	1.5122	1.7807	2.0519	2.3251	2.5998	2.8757	3.1525	3.4301	3.7083	3.9870	4.2662	4.5457	4.8256	5.1057	26.7
71.1-73.0	83.3- 85.7	0.5221	0.7746	1.0369	1.3078	1.5847	1.8657	2.1496	2.4358	2.7236	3.0127	3.3028	3.5938	3.8855	4.1777	4.4704	4.7635	5.0569	5.3507	26.7
73.1-75.0	85.8- 88.2	0.5503	0.8131	1.0865	1.3691	1.6582	1.9518	2.2486	2.5478	2.8489	3.1514	3.4549	3.7594	4.0647	4.3706	4.6770	4.9838	5.2910	5.5986	26.8
75.1-77.0	88.3- 90.7	0.5794	0.8525	1.1368	1.4312	1.7326	2.0389	2.3487	2.6612	2.9756	3.2915	3.6087	3.9269	4.2459	4.5656	4.8858	5.2066	5.5277	5.8492	26.8
77.1-79.0	90.9- 93.2	0.6093	0.8927	1.1880	1.4942	1.8079	2.1270	2.4499	2.7757	3.1036	3.4332	3.7641	4.0961	4.4290	4.7626	5.0969	5.4316	5.7669	6.1025	26.8
79.1-81.0	93.4- 95.8	0.6401	0.9337	1.2400	1.5580	1.8842	2.2161	2.5522	2.8914	3.2329	3.5762	3.9210	4.2669	4.6138	4.9615	5.3099	5.6589	6.0083	6.3582	26.8

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 7. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 2, 14, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.5- 9.5	0.0016	0.0028	0.0038	0.0048	0.0058	0.0067	0.0077	0.0086	0.0095	0.0104	0.0113	0.0122	0.0132	0.0141	0.0150	0.0159	0.0168	0.0177	11.2
9.1-11.0	9.6- 11.7	0.0071	0.0125	0.0181	0.0237	0.0294	0.0351	0.0407	0.0464	0.0522	0.0579	0.0636	0.0693	0.0750	0.0808	0.0865	0.0922	0.0980	0.1037	13.0
11.1-13.0	11.8- 13.9	0.0119	0.0208	0.0298	0.0389	0.0480	0.0572	0.0664	0.0756	0.0848	0.0940	0.1032	0.1125	0.1217	0.1309	0.1402	0.1494	0.1586	0.1679	14.6
13.1-15.0	14.0- 16.1	0.0168	0.0293	0.0420	0.0548	0.0676	0.0805	0.0935	0.1064	0.1193	0.1323	0.1453	0.1583	0.1712	0.1842	0.1972	0.2102	0.2232	0.2362	16.0
15.1-17.0	16.2- 18.3	0.0221	0.0385	0.0553	0.0721	0.0891	0.1061	0.1232	0.1402	0.1574	0.1745	0.1916	0.2088	0.2259	0.2431	0.2603	0.2775	0.2947	0.3119	17.3
17.1-19.0	18.5- 20.6	0.0278	0.0486	0.0697	0.0911	0.1126	0.1342	0.1559	0.1776	0.1993	0.2210	0.2428	0.2646	0.2864	0.3082	0.3300	0.3519	0.3737	0.3956	18.4
19.1-21.0	20.7- 22.9	0.0340	0.0595	0.0855	0.1118	0.1383	0.1650	0.1917	0.2185	0.2453	0.2721	0.2990	0.3259	0.3529	0.3798	0.4068	0.4337	0.4607	0.4877	19.5
21.1-23.0	23.0- 25.2	0.0406	0.0713	0.1026	0.1343	0.1663	0.1984	0.2307	0.2630	0.2954	0.3278	0.3603	0.3929	0.4254	0.4580	0.4906	0.5232	0.5558	0.5885	20.4
23.1-25.0	25.3- 27.6	0.0478	0.0840	0.1210	0.1586	0.1965	0.2346	0.2728	0.3112	0.3497	0.3882	0.4268	0.4655	0.5041	0.5428	0.5816	0.6203	0.6591	0.6979	21.2
25.1-27.0	27.7- 29.9	0.0555	0.0977	0.1409	0.1847	0.2289	0.2735	0.3183	0.3632	0.4082	0.4533	0.4985	0.5438	0.5891	0.6344	0.6798	0.7252	0.7707	0.8161	21.9
27.1-29.0	30.1- 32.3	0.0638	0.1123	0.1621	0.2126	0.2637	0.3152	0.3669	0.4189	0.4709	0.5232	0.5755	0.6279	0.6803	0.7328	0.7854	0.8379	0.8906	0.9432	22.5
29.1-31.0	32.5- 34.8	0.0727	0.1279	0.1847	0.2424	0.3008	0.3596	0.4188	0.4783	0.5379	0.5978	0.6577	0.7177	0.7778	0.8380	0.8982	0.9585	1.0188	1.0792	23.1
31.1-33.0	34.9- 37.2	0.0822	0.1446	0.2087	0.2740	0.3402	0.4069	0.4740	0.5415	0.6092	0.6771	0.7452	0.8134	0.8817	0.9500	1.0185	1.0870	1.1556	1.2242	23.6
33.1-35.0	37.3- 39.7	0.0923	0.1623	0.2342	0.3076	0.3819	0.4570	0.5326	0.6086	0.6848	0.7614	0.8381	0.9149	0.9919	1.0690	1.1462	1.2235	1.3008	1.3782	24.1
35.1-37.0	39.8- 42.2	0.1031	0.1811	0.2613	0.3431	0.4261	0.5100	0.5945	0.6794	0.7648	0.8504	0.9363	1.0224	1.1086	1.1949	1.2814	1.3680	1.4546	1.5413	24.5
37.1-39.0	42.3- 44.7	0.1147	0.2011	0.2898	0.3805	0.4727	0.5658	0.6597	0.7542	0.8491	0.9444	1.0400	1.1358	1.2317	1.3279	1.4242	1.5206	1.6171	1.7136	24.8
39.1-41.0	44.9- 47.3	0.1270	0.2222	0.3200	0.4200	0.5217	0.6246	0.7284	0.8329	0.9379	1.0433	1.1491	1.2551	1.3614	1.4679	1.5745	1.6813	1.7882	1.8952	25.2
41.1-43.0	47.4- 49.9	0.1401	0.2446	0.3518	0.4616	0.5733	0.6864	0.8005	0.9155	1.0311	1.1472	1.2637	1.3806	1.4977	1.6150	1.7326	1.8503	1.9681	2.0861	25.5
43.1-45.0	50.0- 52.5	0.1540	0.2682	0.3853	0.5052	0.6274	0.7511	0.8762	1.0022	1.1289	1.2562	1.3840	1.5121	1.6406	1.7694	1.8984	2.0276	2.1569	2.2865	25.7
45.1-47.0	52.6- 55.1	0.1688	0.2932	0.4205	0.5510	0.6841	0.8190	0.9554	1.0928	1.2312	1.3702	1.5098	1.6498	1.7903	1.9310	2.0720	2.2132	2.3547	2.4963	25.9
47.1-49.0	55.3- 57.8	0.1846	0.3195	0.4575	0.5990	0.7434	0.8900	1.0382	1.1877	1.3381	1.4894	1.6413	1.7938	1.9467	2.0999	2.2535	2.4074	2.5615	2.7158	26.2
49.1-51.0	57.9- 60.5	0.2014	0.3473	0.4963	0.6493	0.8055	0.9641	1.1246	1.2866	1.4498	1.6138	1.7786	1.9440	2.1100	2.2763	2.4430	2.6101	2.7774	2.9449	26.3
51.1-53.0	60.6- 63.2	0.2192	0.3766	0.5371	0.7019	0.8703	1.0415	1.2148	1.3898	1.5661	1.7435	1.9217	2.1006	2.2802	2.4602	2.6406	2.8214	3.0025	3.1839	26.5
53.1-55.0	63.3- 65.9	0.2381	0.4075	0.5798	0.7569	0.9380	1.1222	1.3088	1.4973	1.6873	1.8785	2.0707	2.2637	2.4574	2.6516	2.8463	3.0414	3.2369	3.4327	26.6
55.1-57.0	66.1- 68.7	0.2582	0.4400	0.6246	0.8144	1.0086	1.2062	1.4066	1.6092	1.8134	2.0190	2.2257	2.4333	2.6417	2.8507	3.0603	3.2703	3.4808	3.6916	26.8
57.1-59.0	68.8- 71.5	0.2796	0.4742	0.6715	0.8744	1.0821	1.2937	1.5084	1.7254	1.9444	2.1649	2.3867	2.6095	2.8331	3.0575	3.2826	3.5081	3.7341	3.9606	26.9
59.1-61.0	71.6- 74.3	0.3022	0.5103	0.7207	0.9370	1.1587	1.3847	1.6141	1.8462	2.0804	2.3164	2.5538	2.7923	3.0319	3.2722	3.5133	3.7549	3.9971	4.2398	27.0
61.1-63.0	74.4- 77.1	0.3262	0.5482	0.7720	1.0023	1.2384	1.4793	1.7239	1.9716	2.2216	2.4736	2.7271	2.9820	3.2380	3.4949	3.7525	4.0109	4.2699	4.5293	27.1
63.1-65.0	77.3- 80.0	0.3517	0.5881	0.8258	1.0703	1.3213	1.5775	1.8379	2.1016	2.3680	2.6365	2.9068	3.1785	3.4515	3.7255	4.0004	4.2761	4.5525	4.8294	27.2
65.1-67.0	80.2- 82.9	0.3787	0.6300	0.8820	1.1412	1.4074	1.6795	1.9561	2.2363	2.5196	2.8052	3.0928	3.3820	3.6726	3.9644	4.2571	4.5507	4.8451	5.1400	27.2
67.1-69.0	83.1- 85.8	0.4074	0.6741	0.9407	1.2151	1.4970	1.7853	2.0786	2.3759	2.6766	2.9798	3.2853	3.5926	3.9014	4.2114	4.5226	4.8348	5.1477	5.4614	27.3
69.1-71.0	86.0- 88.8	0.4378	0.7204	1.0021	1.2920	1.5900	1.8950	2.2055	2.5205	2.8390	3.1605	3.4844	3.8103	4.1379	4.4669	4.7971	5.1284	5.4607	5.7937	27.4
71.1-73.0	88.9- 91.8	0.4700	0.7691	1.0662	1.3720	1.6866	2.0087	2.3369	2.6700	3.0070	3.3473	3.6902	4.0353	4.3823	4.7308	5.0807	5.4318	5.7839	6.1369	27.4
73.1-75.0	91.9- 94.8	0.5041	0.8203	1.1332	1.4552	1.7868	2.1266	2.4730	2.8247	3.1807	3.5403	3.9027	4.2677	4.6346	5.0033	5.3736	5.7451	6.1177	6.4913	27.5
75.1-77.0	94.9- 97.8	0.5402	0.8740	1.2032	1.5418	1.8908	2.2487	2.6137	2.9845	3.3601	3.7396	4.1222	4.5075	4.8951	5.2846	5.6757	6.0683	6.4621	6.8570	27.5
77.1-79.0	97.9-100.8	0.5785	0.9304	1.2761	1.6319	1.9987	2.3751	2.7592	3.1497	3.5454	3.9453	4.3487	4.7550	5.1638	5.5747	5.9874	6.4016	6.8173	7.2341	27.5
79.1-81.0	101.0-103.9	0.6190	0.9897	1.3523	1.7255	2.1105	2.5059	2.9097	3.3204	3.7367	4.1576	4.5823	5.0102	5.4408	5.8738	6.3087	6.7453	7.1834	7.6228	27.6

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 8. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 2, 14, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	11.8- 13.9	0.0052	0.0088	0.0124	0.0160	0.0194	0.0229	0.0263	0.0298	0.0332	0.0366	0.0400	0.0434	0.0468	0.0502	0.0536	0.0569	0.0603	0.0637	14.6
13.1-15.0	14.0- 16.1	0.0118	0.0212	0.0310	0.0410	0.0511	0.0612	0.0714	0.0817	0.0920	0.1023	0.1126	0.1230	0.1333	0.1437	0.1540	0.1644	0.1748	0.1852	16.0
15.1-17.0	16.2- 18.3	0.0182	0.0324	0.0471	0.0620	0.0771	0.0923	0.1075	0.1227	0.1380	0.1533	0.1686	0.1839	0.1992	0.2146	0.2300	0.2453	0.2607	0.2761	17.3
17.1-19.0	18.5- 20.6	0.0245	0.0435	0.0631	0.0830	0.1030	0.1231	0.1433	0.1635	0.1838	0.2041	0.2245	0.2448	0.2652	0.2856	0.3060	0.3264	0.3468	0.3672	18.4
19.1-21.0	20.7- 22.9	0.0311	0.0551	0.0798	0.1049	0.1301	0.1555	0.1810	0.2066	0.2322	0.2579	0.2836	0.3093	0.3350	0.3608	0.3865	0.4123	0.4381	0.4639	19.5
21.1-23.0	23.0- 25.2	0.0380	0.0674	0.0976	0.1282	0.1591	0.1901	0.2213	0.2526	0.2840	0.3154	0.3468	0.3783	0.4098	0.4414	0.4729	0.5045	0.5361	0.5677	20.4
23.1-25.0	25.3- 27.6	0.0454	0.0805	0.1165	0.1530	0.1900	0.2271	0.2645	0.3019	0.3395	0.3771	0.4147	0.4525	0.4902	0.5280	0.5658	0.6037	0.6415	0.6794	21.2
25.1-27.0	27.7- 29.9	0.0533	0.0944	0.1366	0.1796	0.2230	0.2667	0.3106	0.3547	0.3989	0.4432	0.4875	0.5320	0.5764	0.6210	0.6655	0.7101	0.7547	0.7994	21.9
27.1-29.0	30.1- 32.3	0.0617	0.1093	0.1581	0.2079	0.2582	0.3089	0.3598	0.4110	0.4623	0.5138	0.5653	0.6170	0.6687	0.7204	0.7722	0.8240	0.8759	0.9278	22.5
29.1-31.0	32.5- 34.8	0.0707	0.1251	0.1810	0.2379	0.2956	0.3537	0.4122	0.4710	0.5299	0.5890	0.6482	0.7076	0.7670	0.8265	0.8860	0.9456	1.0052	1.0649	23.1
31.1-33.0	34.9- 37.2	0.0803	0.1419	0.2052	0.2698	0.3353	0.4013	0.4678	0.5346	0.6017	0.6689	0.7363	0.8039	0.8715	0.9393	1.0071	1.0749	1.1428	1.2108	23.6
33.1-35.0	37.3- 39.7	0.0905	0.1597	0.2309	0.3036	0.3773	0.4517	0.5267	0.6020	0.6777	0.7536	0.8297	0.9060	0.9823	1.0588	1.1354	1.2121	1.2888	1.3656	24.1
35.1-37.0	39.8- 42.2	0.1014	0.1786	0.2581	0.3392	0.4216	0.5049	0.5888	0.6732	0.7580	0.8430	0.9284	1.0138	1.0995	1.1853	1.2712	1.3572	1.4433	1.5294	24.5
37.1-39.0	42.3- 44.7	0.1130	0.1987	0.2867	0.3768	0.4684	0.5610	0.6543	0.7482	0.8426	0.9374	1.0324	1.1276	1.2231	1.3187	1.4144	1.5103	1.6062	1.7023	24.8
39.1-41.0	44.9- 47.3	0.1254	0.2199	0.3170	0.4164	0.5176	0.6199	0.7232	0.8271	0.9316	1.0366	1.1418	1.2474	1.3531	1.4591	1.5652	1.6715	1.7779	1.8844	25.2
41.1-43.0	47.4- 49.9	0.1385	0.2423	0.3489	0.4581	0.5692	0.6818	0.7955	0.9100	1.0251	1.1407	1.2567	1.3731	1.4897	1.6066	1.7236	1.8409	1.9582	2.0757	25.5
43.1-45.0	50.0- 52.5	0.1525	0.2660	0.3825	0.5018	0.6235	0.7468	0.8713	0.9968	1.1230	1.2499	1.3772	1.5049	1.6329	1.7612	1.8898	2.0185	2.1474	2.2765	25.7
45.1-47.0	52.6- 55.1	0.1674	0.2910	0.4177	0.5477	0.6803	0.8147	0.9506	1.0877	1.2255	1.3641	1.5033	1.6428	1.7828	1.9231	2.0637	2.2045	2.3455	2.4867	25.9
47.1-49.0	55.3- 57.8	0.1832	0.3174	0.4548	0.5958	0.7397	0.8858	1.0336	1.1826	1.3326	1.4835	1.6350	1.7870	1.9395	2.0923	2.2455	2.3989	2.5525	2.7064	26.2
49.1-51.0	57.9- 60.5	0.2000	0.3452	0.4937	0.6462	0.8019	0.9601	1.1201	1.2817	1.4444	1.6080	1.7724	1.9374	2.1029	2.2689	2.4352	2.6018	2.7687	2.9358	26.3
51.1-53.0	60.6- 63.2	0.2179	0.3746	0.5345	0.6988	0.8668	1.0375	1.2104	1.3850	1.5609	1.7379	1.9157	2.0942	2.2733	2.4529	2.6330	2.8134	2.9941	3.1750	26.5
53.1-55.0	63.3- 65.9	0.2368	0.4055	0.5773	0.7539	0.9345	1.1183	1.3045	1.4926	1.6822	1.8730	2.0648	2.2574	2.4507	2.6445	2.8389	3.0336	3.2287	3.4241	26.6
55.1-57.0	66.1- 68.7	0.2569	0.4380	0.6221	0.8114	1.0051	1.2024	1.4024	1.6045	1.8084	2.0136	2.2199	2.4271	2.6351	2.8438	3.0530	3.2627	3.4728	3.6832	26.8
57.1-59.0	68.8- 71.5	0.2783	0.4723	0.6691	0.8714	1.0787	1.2899	1.5042	1.7209	1.9395	2.1596	2.3810	2.6034	2.8267	3.0508	3.2754	3.5006	3.7263	3.9524	26.9
59.1-61.0	71.6- 74.3	0.3010	0.5084	0.7182	0.9341	1.1553	1.3810	1.6100	1.8417	2.0756	2.3112	2.5482	2.7864	3.0256	3.2656	3.5063	3.7476	3.9895	4.2318	27.0
61.1-63.0	74.4- 77.1	0.3250	0.5463	0.7696	0.9994	1.2351	1.4756	1.7199	1.9672	2.2168	2.4685	2.7217	2.9762	3.2318	3.4884	3.7457	4.0037	4.2623	4.5215	27.1
63.1-65.0	77.3- 80.0	0.3505	0.5862	0.8234	1.0675	1.3180	1.5739	1.8339	2.0972	2.3632	2.6314	2.9014	3.1728	3.4454	3.7191	3.9937	4.2691	4.5451	4.8217	27.2
65.1-67.0	80.2- 82.9	0.3776	0.6282	0.8796	1.1384	1.4042	1.6759	1.9521	2.2320	2.5149	2.8002	3.0875	3.3764	3.6666	3.9581	4.2505	4.5438	4.8378	5.1324	27.2
67.1-69.0	83.1- 85.8	0.4062	0.6723	0.9384	1.2123	1.4938	1.7817	2.0747	2.3717	2.6720	2.9749	3.2800	3.5870	3.8955	4.2052	4.5161	4.8279	5.1406	5.4539	27.3
69.1-71.0	86.0- 88.8	0.4366	0.7187	0.9998	1.2892	1.5869	1.8915	2.2016	2.5162	2.8345	3.1556	3.4792	3.8048	4.1320	4.4608	4.7907	5.1217	5.4536	5.7863	27.4
71.1-73.0	88.9- 91.8	0.4688	0.7674	1.0640	1.3692	1.6835	2.0052	2.3331	2.6658	3.0025	3.3424	3.6850	4.0298	4.3765	4.7247	5.0744	5.4251	5.7769	6.1296	27.4
73.1-75.0	91.9- 94.8	0.5030	0.8185	1.1310	1.4525	1.7837	2.1231	2.4691	2.8205	3.1762	3.5355	3.8976	4.2623	4.6289	4.9973	5.3673	5.7385	6.1108	6.4841	27.5
75.1-77.0	94.9- 97.8	0.5391	0.8723	1.2009	1.5391	1.8878	2.2452	2.6099	2.9804	3.3557	3.7348	4.1171	4.5022	4.8894	5.2786	5.6695	6.0618	6.4553	6.8498	27.5
77.1-79.0	97.9-100.8	0.5774	0.9287	1.2739	1.6292	1.9956	2.3716	2.7555	3.1457	3.5410	3.9406	4.3437	4.7497	5.1582	5.5688	5.9812	6.3952	6.8105	7.2270	27.5
79.1-81.0	101.0-103.9	0.6179	0.9879	1.3501	1.7228	2.1075	2.5025	2.9059	3.3163	3.7323	4.1529	4.5773	5.0049	5.4353	5.8679	6.3025	6.7388	7.1766	7.6158	27.6

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 9. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 2, 14, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	11.8- 13.9	0.0020	0.0030	0.0037	0.0043	0.0048	0.0054	0.0059	0.0065	0.0071	0.0076	0.0082	0.0088	0.0094	0.0099	0.0105	0.0111	0.0117	0.0123	14.6
13.1-15.0	14.0- 16.1	0.0090	0.0160	0.0231	0.0303	0.0376	0.0451	0.0526	0.0601	0.0677	0.0753	0.0829	0.0906	0.0983	0.1059	0.1136	0.1214	0.1291	0.1368	16.0
15.1-17.0	16.2- 18.3	0.0160	0.0287	0.0419	0.0554	0.0690	0.0828	0.0967	0.1106	0.1245	0.1385	0.1525	0.1665	0.1806	0.1946	0.2087	0.2227	0.2368	0.2509	17.3
17.1-19.0	18.5- 20.6	0.0227	0.0406	0.0592	0.0780	0.0971	0.1163	0.1355	0.1549	0.1742	0.1936	0.2131	0.2325	0.2520	0.2715	0.2910	0.3105	0.3300	0.3495	18.4
19.1-21.0	20.7- 22.9	0.0296	0.0527	0.0766	0.1009	0.1254	0.1501	0.1748	0.1997	0.2246	0.2495	0.2745	0.2995	0.3245	0.3496	0.3746	0.3997	0.4248	0.4499	19.5
21.1-23.0	23.0- 25.2	0.0367	0.0653	0.0948	0.1248	0.1550	0.1855	0.2161	0.2468	0.2775	0.3084	0.3392	0.3701	0.4010	0.4320	0.4630	0.4940	0.5250	0.5560	20.4
23.1-25.0	25.3- 27.6	0.0442	0.0786	0.1140	0.1500	0.1864	0.2231	0.2599	0.2968	0.3338	0.3710	0.4081	0.4453	0.4826	0.5199	0.5572	0.5945	0.6319	0.6692	21.2
25.1-27.0	27.7- 29.9	0.0522	0.0927	0.1344	0.1769	0.2198	0.2630	0.3065	0.3501	0.3939	0.4377	0.4816	0.5256	0.5696	0.6137	0.6578	0.7020	0.7461	0.7903	21.9
27.1-29.0	30.1- 32.3	0.0607	0.1077	0.1561	0.2054	0.2553	0.3055	0.3561	0.4068	0.4578	0.5088	0.5600	0.6112	0.6625	0.7138	0.7652	0.8167	0.8681	0.9196	22.5
29.1-31.0	32.5- 34.8	0.0698	0.1236	0.1791	0.2356	0.2929	0.3506	0.4088	0.4671	0.5257	0.5844	0.6433	0.7023	0.7613	0.8204	0.8796	0.9388	0.9981	1.0574	23.1
31.1-33.0	34.9- 37.2	0.0794	0.1405	0.2034	0.2677	0.3327	0.3984	0.4646	0.5311	0.5978	0.6647	0.7318	0.7990	0.8663	0.9336	1.0011	1.0686	1.1362	1.2039	23.6
33.1-35.0	37.3- 39.7	0.0897	0.1584	0.2292	0.3015	0.3749	0.4490	0.5236	0.5987	0.6740	0.7496	0.8254	0.9013	0.9774	1.0536	1.1299	1.2062	1.2826	1.3591	24.1
35.1-37.0	39.8- 42.2	0.1006	0.1774	0.2565	0.3373	0.4194	0.5023	0.5859	0.6700	0.7545	0.8393	0.9243	1.0095	1.0949	1.1803	1.2659	1.3517	1.4374	1.5233	24.5
37.1-39.0	42.3- 44.7	0.1123	0.1975	0.2852	0.3750	0.4662	0.5585	0.6516	0.7452	0.8393	0.9338	1.0285	1.1235	1.2187	1.3140	1.4095	1.5051	1.6007	1.6965	24.8
39.1-41.0	44.9- 47.3	0.1246	0.2187	0.3155	0.4147	0.5155	0.6176	0.7206	0.8243	0.9285	1.0331	1.1381	1.2434	1.3489	1.4546	1.5605	1.6665	1.7726	1.8789	25.2
41.1-43.0	47.4- 49.9	0.1378	0.2412	0.3475	0.4564	0.5673	0.6796	0.7930	0.9072	1.0221	1.1374	1.2532	1.3693	1.4857	1.6023	1.7191	1.8361	1.9532	2.0705	25.5
43.1-45.0	50.0- 52.5	0.1518	0.2649	0.3811	0.5002	0.6216	0.7446	0.8689	0.9941	1.1201	1.2467	1.3738	1.5013	1.6291	1.7571	1.8854	2.0139	2.1426	2.2714	25.7
45.1-47.0	52.6- 55.1	0.1667	0.2900	0.4164	0.5461	0.6784	0.8126	0.9483	1.0851	1.2227	1.3611	1.5000	1.6394	1.7791	1.9192	2.0595	2.2001	2.3409	2.4818	25.9
47.1-49.0	55.3- 57.8	0.1826	0.3164	0.4535	0.5943	0.7379	0.8838	1.0313	1.1801	1.3299	1.4806	1.6318	1.7836	1.9359	2.0885	2.2415	2.3947	2.5481	2.7018	26.2
49.1-51.0	57.9- 60.5	0.1994	0.3443	0.4924	0.6447	0.8001	0.9581	1.1179	1.2793	1.4418	1.6052	1.7694	1.9342	2.0995	2.2652	2.4313	2.5977	2.7644	2.9314	26.3
51.1-53.0	60.6- 63.2	0.2172	0.3736	0.5333	0.6974	0.8651	1.0356	1.2083	1.3827	1.5584	1.7351	1.9127	2.0910	2.2700	2.4494	2.6292	2.8094	2.9899	3.1707	26.5
53.1-55.0	63.3- 65.9	0.2362	0.4046	0.5761	0.7524	0.9328	1.1164	1.3024	1.4903	1.6797	1.8703	2.0619	2.2543	2.4474	2.6411	2.8352	3.0298	3.2247	3.4199	26.6
55.1-57.0	66.1- 68.7	0.2564	0.4371	0.6210	0.8100	1.0035	1.2005	1.4003	1.6023	1.8059	2.0110	2.2171	2.4241	2.6320	2.8404	3.0494	3.2589	3.4688	3.6791	26.8
57.1-59.0	68.8- 71.5	0.2777	0.4714	0.6679	0.8700	1.0771	1.2881	1.5022	1.7187	1.9371	2.1570	2.3783	2.6005	2.8236	3.0475	3.2720	3.4970	3.7225	3.9484	26.9
59.1-61.0	71.6- 74.3	0.3004	0.5075	0.7171	0.9327	1.1538	1.3792	1.6080	1.8396	2.0733	2.3087	2.5455	2.7836	3.0226	3.2624	3.5029	3.7441	3.9857	4.2278	27.0
61.1-63.0	74.4- 77.1	0.3245	0.5455	0.7685	0.9980	1.2335	1.4738	1.7179	1.9650	2.2145	2.4660	2.7190	2.9734	3.2288	3.4852	3.7424	4.0002	4.2587	4.5177	27.1
63.1-65.0	77.3- 80.0	0.3500	0.5854	0.8223	1.0662	1.3165	1.5721	1.8320	2.0952	2.3610	2.6290	2.8988	3.1700	3.4425	3.7161	3.9905	4.2657	4.5415	4.8179	27.2
65.1-67.0	80.2- 82.9	0.3770	0.6274	0.8786	1.1371	1.4027	1.6742	1.9502	2.2300	2.5127	2.7978	3.0849	3.3737	3.6638	3.9550	4.2473	4.5404	4.8343	5.1288	27.2
67.1-69.0	83.1- 85.8	0.4057	0.6715	0.9373	1.2110	1.4923	1.7800	2.0728	2.3697	2.6698	2.9726	3.2775	3.5843	3.8926	4.2022	4.5130	4.8246	5.1371	5.4503	27.3
69.1-71.0	86.0- 88.8	0.4361	0.7179	0.9988	1.2879	1.5854	1.8898	2.1998	2.5143	2.8323	3.1533	3.4767	3.8022	4.1293	4.4578	4.7876	5.1184	5.4502	5.7828	27.4
71.1-73.0	88.9- 91.8	0.4683	0.7666	1.0629	1.3680	1.6820	2.0036	2.3313	2.6639	3.0004	3.3402	3.6826	4.0272	4.3738	4.7219	5.0713	5.4220	5.7736	6.1262	27.4
73.1-75.0	91.9- 94.8	0.5025	0.8177	1.1299	1.4513	1.7823	2.1215	2.4674	2.8186	3.1741	3.5332	3.8952	4.2597	4.6262	4.9945	5.3643	5.7353	6.1075	6.4807	27.5
75.1-77.0	94.9- 97.8	0.5386	0.8715	1.1999	1.5379	1.8863	2.2436	2.6081	2.9785	3.3536	3.7326	4.1148	4.4996	4.8868	5.2758	5.6665	6.0587	6.4520	6.8465	27.5
77.1-79.0	97.9-100.8	0.5769	0.9279	1.2729	1.6280	1.9942	2.3700	2.7537	3.1437	3.5389	3.9384	4.3413	4.7472	5.1555	5.5660	5.9783	6.3921	6.8073	7.2237	27.5
79.1-81.0	101.0-103.9	0.6175	0.9872	1.3491	1.7216	2.1061	2.5009	2.9042	3.3144	3.7302	4.1507	4.5750	5.0025	5.4326	5.8651	6.2996	6.7358	7.1735	7.6125	27.6

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 13. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 9, 11

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.7- 9.8	0.0016	0.0028	0.0040	0.0052	0.0064	0.0075	0.0087	0.0099	0.0110	0.0122	0.0134	0.0145	0.0157	0.0169	0.0181	0.0192	0.0204	0.0216	10.6
9.1-11.0	9.9- 12.0	0.0076	0.0132	0.0188	0.0245	0.0302	0.0359	0.0416	0.0473	0.0530	0.0587	0.0645	0.0702	0.0759	0.0816	0.0874	0.0931	0.0988	0.1046	12.6
11.1-13.0	12.1- 14.2	0.0129	0.0220	0.0311	0.0403	0.0496	0.0588	0.0681	0.0773	0.0866	0.0959	0.1052	0.1145	0.1238	0.1330	0.1423	0.1516	0.1609	0.1702	14.4
13.1-15.0	14.3- 16.4	0.0182	0.0311	0.0440	0.0570	0.0700	0.0831	0.0961	0.1092	0.1223	0.1353	0.1484	0.1615	0.1746	0.1877	0.2008	0.2140	0.2271	0.2402	16.0
15.1-17.0	16.6- 18.7	0.0240	0.0409	0.0580	0.0752	0.0924	0.1097	0.1270	0.1442	0.1615	0.1789	0.1962	0.2135	0.2308	0.2482	0.2655	0.2829	0.3002	0.3176	17.4
17.1-19.0	18.8- 21.0	0.0302	0.0517	0.0734	0.0952	0.1171	0.1390	0.1609	0.1829	0.2049	0.2269	0.2489	0.2709	0.2929	0.3150	0.3370	0.3591	0.3811	0.4032	18.7
19.1-21.0	21.1- 23.2	0.0369	0.0633	0.0901	0.1170	0.1439	0.1710	0.1981	0.2252	0.2523	0.2795	0.3067	0.3338	0.3610	0.3883	0.4155	0.4427	0.4699	0.4972	19.8
21.1-23.0	23.3- 25.5	0.0441	0.0759	0.1081	0.1406	0.1731	0.2058	0.2384	0.2712	0.3040	0.3368	0.3696	0.4024	0.4353	0.4681	0.5010	0.5339	0.5668	0.5997	20.7
23.1-25.0	25.6- 27.8	0.0518	0.0894	0.1275	0.1660	0.2045	0.2432	0.2820	0.3209	0.3597	0.3987	0.4376	0.4766	0.5156	0.5546	0.5936	0.6326	0.6717	0.7107	21.6
25.1-27.0	27.9- 30.1	0.0599	0.1038	0.1483	0.1931	0.2382	0.2835	0.3288	0.3742	0.4197	0.4652	0.5107	0.5563	0.6019	0.6475	0.6932	0.7388	0.7845	0.8302	22.3
27.1-29.0	30.2- 32.4	0.0686	0.1190	0.1703	0.2221	0.2741	0.3263	0.3787	0.4311	0.4837	0.5362	0.5889	0.6415	0.6942	0.7470	0.7997	0.8525	0.9053	0.9581	22.9
29.1-31.0	32.5- 34.7	0.0777	0.1352	0.1937	0.2528	0.3122	0.3719	0.4317	0.4917	0.5517	0.6118	0.6720	0.7323	0.7925	0.8528	0.9132	0.9735	1.0339	1.0943	23.5
31.1-33.0	34.8- 37.0	0.0873	0.1523	0.2184	0.2852	0.3525	0.4201	0.4878	0.5558	0.6238	0.6919	0.7602	0.8284	0.8967	0.9651	1.0335	1.1019	1.1704	1.2389	23.9
33.1-35.0	37.2- 39.4	0.0974	0.1702	0.2444	0.3194	0.3949	0.4709	0.5470	0.6234	0.6999	0.7765	0.8532	0.9300	1.0068	1.0837	1.1606	1.2376	1.3146	1.3917	24.4
35.1-37.0	39.5- 41.7	0.1080	0.1890	0.2716	0.3553	0.4395	0.5242	0.6092	0.6945	0.7799	0.8654	0.9511	1.0369	1.1227	1.2086	1.2945	1.3805	1.4666	1.5527	24.7
37.1-39.0	41.9- 44.1	0.1191	0.2087	0.3002	0.3928	0.4862	0.5801	0.6744	0.7690	0.8638	0.9588	1.0539	1.1491	1.2443	1.3397	1.4352	1.5306	1.6262	1.7218	25.0
39.1-41.0	44.2- 46.5	0.1308	0.2293	0.3300	0.4320	0.5350	0.6386	0.7426	0.8470	0.9516	1.0564	1.1614	1.2665	1.3717	1.4770	1.5824	1.6879	1.7934	1.8989	25.3
41.1-43.0	46.6- 48.8	0.1429	0.2508	0.3611	0.4730	0.5859	0.6996	0.8138	0.9284	1.0433	1.1584	1.2737	1.3892	1.5048	1.6205	1.7363	1.8522	1.9681	2.0841	25.5
43.1-45.0	49.0- 51.2	0.1556	0.2732	0.3934	0.5155	0.6389	0.7631	0.8879	1.0131	1.1387	1.2646	1.3908	1.5170	1.6435	1.7701	1.8968	2.0235	2.1504	2.2773	25.7
45.1-47.0	51.4- 53.6	0.1688	0.2965	0.4271	0.5598	0.6939	0.8290	0.9649	1.1012	1.2380	1.3751	1.5125	1.6501	1.7878	1.9257	2.0637	2.2019	2.3401	2.4784	25.9
47.1-49.0	53.8- 56.0	0.1826	0.3207	0.4620	0.6057	0.7510	0.8975	1.0448	1.1927	1.3410	1.4898	1.6389	1.7882	1.9377	2.0874	2.2372	2.3871	2.5372	2.6874	26.0
49.1-51.0	56.2- 58.5	0.1969	0.3458	0.4982	0.6533	0.8102	0.9684	1.1275	1.2874	1.4478	1.6087	1.7699	1.9314	2.0931	2.2550	2.4171	2.5793	2.7417	2.9041	26.2
51.1-53.0	58.6- 60.9	0.2118	0.3719	0.5358	0.7025	0.8714	1.0418	1.2132	1.3855	1.5583	1.7317	1.9055	2.0796	2.2540	2.4286	2.6034	2.7784	2.9535	3.1287	26.3
53.1-55.0	61.0- 63.3	0.2274	0.3989	0.5746	0.7535	0.9347	1.1176	1.3017	1.4868	1.6726	1.8589	2.0457	2.2329	2.4204	2.6081	2.7961	2.9842	3.1725	3.3610	26.4
55.1-57.0	63.5- 65.8	0.2435	0.4269	0.6147	0.8060	1.0000	1.1958	1.3931	1.5914	1.7905	1.9902	2.1904	2.3911	2.5922	2.7935	2.9951	3.1969	3.3988	3.6010	26.5
57.1-59.0	65.9- 68.3	0.2603	0.4559	0.6561	0.8603	1.0674	1.2765	1.4873	1.6992	1.9120	2.1256	2.3397	2.5544	2.7694	2.9847	3.2004	3.4162	3.6323	3.8486	26.5
59.1-61.0	68.4- 70.7	0.2777	0.4859	0.6989	0.9163	1.1368	1.3597	1.5843	1.8103	2.0372	2.2651	2.4935	2.7225	2.9520	3.1818	3.4119	3.6424	3.8730	4.1039	26.6
61.1-63.0	70.8- 73.2	0.2958	0.5169	0.7431	0.9739	1.2083	1.4452	1.6842	1.9246	2.1661	2.4086	2.6518	2.8956	3.1399	3.3847	3.6297	3.8751	4.1208	4.3667	26.6
63.1-65.0	73.3- 75.7	0.3146	0.5490	0.7886	1.0333	1.2818	1.5332	1.7868	2.0421	2.2986	2.5562	2.8145	3.0736	3.3332	3.5933	3.8538	4.1146	4.3757	4.6371	26.7
65.1-67.0	75.8- 78.2	0.3341	0.5821	0.8355	1.0943	1.3574	1.6237	1.8923	2.1628	2.4347	2.7078	2.9817	3.2564	3.5318	3.8076	4.0839	4.3606	4.6377	4.9150	26.7
67.1-69.0	78.3- 80.7	0.3544	0.6163	0.8837	1.1571	1.4351	1.7165	2.0006	2.2867	2.5744	2.8634	3.1534	3.4442	3.7356	4.0277	4.3203	4.6133	4.9067	5.2003	26.8
69.1-71.0	80.8- 83.2	0.3753	0.6516	0.9334	1.2216	1.5148	1.8118	2.1118	2.4139	2.7178	3.0230	3.3294	3.6367	3.9448	4.2535	4.5628	4.8725	5.1827	5.4932	26.8
71.1-73.0	83.4- 85.8	0.3971	0.6880	0.9846	1.2879	1.5967	1.9096	2.2257	2.5442	2.8647	3.1866	3.5099	3.8341	4.1592	4.4850	4.8114	5.1383	5.4656	5.7934	26.8
73.1-75.0	85.9- 88.3	0.4197	0.7256	1.0372	1.3560	1.6806	2.0098	2.3424	2.6778	3.0152	3.3543	3.6947	4.0363	4.3788	4.7221	5.0660	5.4105	5.7556	6.1010	26.8
75.1-77.0	88.4- 90.9	0.4431	0.7643	1.0912	1.4258	1.7667	2.1125	2.4620	2.8145	3.1692	3.5259	3.8839	4.2433	4.6036	4.9648	5.3267	5.6893	6.0524	6.4160	26.9
77.1-79.0	91.0- 93.4	0.4673	0.8043	1.1468	1.4974	1.8549	2.2176	2.5844	2.9544	3.3269	3.7014	4.0776	4.4550	4.8336	5.2132	5.5935	5.9745	6.3562	6.7383	26.9
79.1-81.0	93.6- 96.0	0.4925	0.8455	1.2039	1.5709	1.9452	2.3252	2.7096	3.0975	3.4881	3.8810	4.2755	4.6716	5.0688	5.4671	5.8663	6.2662	6.6668	7.0679	26.9

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 14. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 9, 11

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.1- 14.2	0.0053	0.0092	0.0131	0.0170	0.0209	0.0248	0.0287	0.0326	0.0365	0.0404	0.0443	0.0481	0.0520	0.0559	0.0598	0.0637	0.0676	0.0715	14.4
13.1-15.0	14.3- 16.4	0.0129	0.0229	0.0330	0.0433	0.0536	0.0640	0.0744	0.0848	0.0952	0.1057	0.1161	0.1266	0.1371	0.1475	0.1580	0.1685	0.1790	0.1895	16.0
15.1-17.0	16.6- 18.7	0.0199	0.0349	0.0501	0.0654	0.0807	0.0961	0.1116	0.1270	0.1425	0.1580	0.1735	0.1890	0.2045	0.2200	0.2355	0.2511	0.2666	0.2821	17.4
17.1-19.0	18.8- 21.0	0.0269	0.0468	0.0670	0.0873	0.1077	0.1282	0.1487	0.1692	0.1898	0.2103	0.2309	0.2515	0.2721	0.2927	0.3133	0.3339	0.3545	0.3752	18.7
19.1-21.0	21.1- 23.2	0.0340	0.0591	0.0846	0.1103	0.1360	0.1619	0.1878	0.2137	0.2396	0.2656	0.2916	0.3175	0.3435	0.3696	0.3956	0.4216	0.4476	0.4737	19.8
21.1-23.0	23.3- 25.5	0.0415	0.0722	0.1033	0.1347	0.1662	0.1978	0.2294	0.2611	0.2929	0.3246	0.3564	0.3882	0.4200	0.4518	0.4837	0.5155	0.5474	0.5793	20.7
23.1-25.0	25.6- 27.8	0.0494	0.0860	0.1232	0.1607	0.1983	0.2361	0.2740	0.3119	0.3498	0.3878	0.4258	0.4639	0.5020	0.5400	0.5781	0.6162	0.6544	0.6925	21.6
25.1-27.0	27.9- 30.1	0.0578	0.1007	0.1443	0.1883	0.2326	0.2769	0.3214	0.3660	0.4106	0.4553	0.5000	0.5448	0.5896	0.6343	0.6792	0.7240	0.7688	0.8137	22.3
27.1-29.0	30.2- 32.4	0.0665	0.1162	0.1667	0.2176	0.2689	0.3203	0.3719	0.4236	0.4754	0.5272	0.5791	0.6310	0.6829	0.7349	0.7868	0.8389	0.8909	0.9429	22.9
29.1-31.0	32.5- 34.7	0.0758	0.1325	0.1903	0.2486	0.3073	0.3663	0.4254	0.4847	0.5440	0.6034	0.6629	0.7224	0.7820	0.8416	0.9012	0.9609	1.0206	1.0803	23.5
31.1-33.0	34.8- 37.0	0.0855	0.1497	0.2151	0.2813	0.3479	0.4148	0.4819	0.5492	0.6166	0.6841	0.7516	0.8192	0.8869	0.9546	1.0223	1.0901	1.1579	1.2258	23.9
33.1-35.0	37.2- 39.4	0.0957	0.1677	0.2413	0.3156	0.3906	0.4659	0.5414	0.6172	0.6930	0.7690	0.8451	0.9213	0.9975	1.0738	1.1501	1.2265	1.3029	1.3793	24.4
35.1-37.0	39.5- 41.7	0.1063	0.1866	0.2686	0.3517	0.4353	0.5195	0.6039	0.6886	0.7734	0.8584	0.9435	1.0286	1.1139	1.1992	1.2846	1.3700	1.4555	1.5410	24.7
37.1-39.0	41.9- 44.1	0.1175	0.2064	0.2973	0.3894	0.4822	0.5756	0.6693	0.7634	0.8576	0.9520	1.0466	1.1412	1.2360	1.3308	1.4257	1.5206	1.6156	1.7107	25.0
39.1-41.0	44.2- 46.5	0.1292	0.2271	0.3272	0.4287	0.5312	0.6342	0.7377	0.8416	0.9457	1.0500	1.1544	1.2590	1.3637	1.4685	1.5734	1.6783	1.7833	1.8883	25.3
41.1-43.0	46.6- 48.8	0.1414	0.2486	0.3584	0.4698	0.5822	0.6954	0.8091	0.9232	1.0376	1.1522	1.2670	1.3820	1.4971	1.6123	1.7276	1.8430	1.9585	2.0740	25.5
43.1-45.0	49.0- 51.2	0.1541	0.2711	0.3908	0.5124	0.6353	0.7590	0.8833	1.0081	1.1332	1.2587	1.3843	1.5101	1.6361	1.7622	1.8884	2.0147	2.1411	2.2675	25.7
45.1-47.0	51.4- 53.6	0.1673	0.2944	0.4246	0.5568	0.6904	0.8251	0.9604	1.0964	1.2327	1.3693	1.5062	1.6434	1.7807	1.9181	2.0557	2.1934	2.3311	2.4690	25.9
47.1-49.0	53.8- 56.0	0.1812	0.3187	0.4595	0.6028	0.7476	0.8936	1.0405	1.1879	1.3359	1.4842	1.6328	1.7817	1.9308	2.0800	2.2294	2.3789	2.5285	2.6783	26.0
49.1-51.0	56.2- 58.5	0.1955	0.3439	0.4958	0.6504	0.8069	0.9646	1.1234	1.2828	1.4428	1.6032	1.7640	1.9251	2.0864	2.2479	2.4095	2.5713	2.7333	2.8953	26.2
51.1-53.0	58.6- 60.9	0.2105	0.3700	0.5334	0.6997	0.8682	1.0381	1.2091	1.3810	1.5534	1.7264	1.8998	2.0735	2.2475	2.4217	2.5960	2.7706	2.9453	3.1201	26.3
53.1-55.0	61.0- 63.3	0.2260	0.3970	0.5722	0.7507	0.9315	1.1140	1.2977	1.4824	1.6678	1.8537	2.0401	2.2269	2.4140	2.6013	2.7889	2.9767	3.1646	3.3527	26.4
55.1-57.0	63.5- 65.8	0.2422	0.4251	0.6124	0.8033	0.9969	1.1923	1.3892	1.5871	1.7858	1.9851	2.1850	2.3853	2.5860	2.7869	2.9881	3.1895	3.3911	3.5928	26.5
57.1-59.0	65.9- 68.3	0.2590	0.4541	0.6539	0.8576	1.0643	1.2731	1.4834	1.6950	1.9074	2.1206	2.3344	2.5487	2.7633	2.9783	3.1936	3.4091	3.6248	3.8407	26.5
59.1-61.0	68.4- 70.7	0.2765	0.4841	0.6967	0.9136	1.1338	1.3563	1.5805	1.8061	2.0328	2.2602	2.4883	2.7169	2.9460	3.1755	3.4053	3.6353	3.8656	4.0961	26.6
61.1-63.0	70.8- 73.2	0.2946	0.5151	0.7409	0.9713	1.2053	1.4419	1.6805	1.9205	2.1617	2.4038	2.6467	2.8901	3.1341	3.3785	3.6232	3.8683	4.1136	4.3591	26.6
63.1-65.0	73.3- 75.7	0.3134	0.5472	0.7864	1.0307	1.2789	1.5299	1.7832	2.0381	2.2943	2.5515	2.8095	3.0682	3.3275	3.5872	3.8473	4.1078	4.3686	4.6296	26.7
65.1-67.0	75.8- 78.2	0.3329	0.5803	0.8333	1.0918	1.3545	1.6204	1.8887	2.1589	2.4304	2.7031	2.9768	3.2511	3.5261	3.8017	4.0776	4.3540	4.6307	4.9077	26.7
67.1-69.0	78.3- 80.7	0.3531	0.6146	0.8816	1.1546	1.4322	1.7133	1.9971	2.2829	2.5702	2.8588	3.1485	3.4389	3.7301	4.0219	4.3141	4.6068	4.8998	5.1931	26.8
69.1-71.0	80.8- 83.2	0.3741	0.6499	0.9313	1.2192	1.5120	1.8087	2.1082	2.4100	2.7136	3.0185	3.3246	3.6316	3.9393	4.2477	4.5567	4.8661	5.1759	5.4861	26.8
71.1-73.0	83.4- 85.8	0.3959	0.6863	0.9825	1.2855	1.5939	1.9065	2.2222	2.5404	2.8606	3.1822	3.5051	3.8290	4.1538	4.4793	4.8053	5.1319	5.4590	5.7864	26.8
73.1-75.0	85.9- 88.3	0.4185	0.7239	1.0351	1.3535	1.6778	2.0067	2.3390	2.6740	3.0111	3.3499	3.6900	4.0313	4.3735	4.7164	5.0601	5.4043	5.7490	6.0941	26.8
75.1-77.0	88.4- 90.9	0.4419	0.7627	1.0892	1.4234	1.7639	2.1094	2.4586	2.8108	3.1652	3.5215	3.8793	4.2383	4.5983	4.9592	5.3209	5.6831	6.0459	6.4092	26.9
77.1-79.0	91.0- 93.4	0.4662	0.8027	1.1448	1.4950	1.8521	2.2145	2.5810	2.9507	3.3229	3.6971	4.0730	4.4501	4.8284	5.2077	5.5877	5.9684	6.3498	6.7316	26.9
79.1-81.0	93.6- 96.0	0.4913	0.8439	1.2019	1.5685	1.9425	2.3222	2.7063	3.0939	3.4842	3.8767	4.2710	4.6667	5.0637	5.4617	5.8606	6.2602	6.6605	7.0613	26.9

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 15. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 9, 11

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.1- 14.2	0.0017	0.0030	0.0042	0.0053	0.0065	0.0076	0.0087	0.0099	0.0110	0.0121	0.0133	0.0144	0.0156	0.0167	0.0178	0.0190	0.0201	0.0213	14.4
13.1-15.0	14.3- 16.4	0.0096	0.0170	0.0246	0.0322	0.0400	0.0478	0.0556	0.0635	0.0713	0.0792	0.0871	0.0950	0.1030	0.1109	0.1188	0.1268	0.1347	0.1426	16.0
15.1-17.0	16.6- 18.7	0.0175	0.0310	0.0447	0.0587	0.0727	0.0868	0.1009	0.1151	0.1293	0.1434	0.1576	0.1718	0.1861	0.2003	0.2145	0.2287	0.2430	0.2572	17.4
17.1-19.0	18.8- 21.0	0.0250	0.0438	0.0631	0.0825	0.1019	0.1215	0.1411	0.1607	0.1804	0.2000	0.2197	0.2394	0.2591	0.2788	0.2985	0.3182	0.3379	0.3576	18.7
19.1-21.0	21.1- 23.2	0.0324	0.0567	0.0815	0.1064	0.1314	0.1566	0.1817	0.2069	0.2322	0.2574	0.2827	0.3080	0.3333	0.3586	0.3839	0.4092	0.4345	0.4599	19.8
21.1-23.0	23.3- 25.5	0.0401	0.0701	0.1006	0.1314	0.1623	0.1933	0.2244	0.2555	0.2866	0.3178	0.3490	0.3802	0.4114	0.4426	0.4739	0.5051	0.5364	0.5677	20.7
23.1-25.0	25.6- 27.8	0.0482	0.0842	0.1208	0.1578	0.1949	0.2322	0.2695	0.3069	0.3444	0.3819	0.4194	0.4569	0.4945	0.5320	0.5696	0.6072	0.6448	0.6825	21.6
25.1-27.0	27.9- 30.1	0.0566	0.0990	0.1422	0.1857	0.2295	0.2734	0.3175	0.3616	0.4058	0.4500	0.4943	0.5386	0.5829	0.6272	0.6716	0.7160	0.7604	0.8048	22.3
27.1-29.0	30.2- 32.4	0.0655	0.1147	0.1647	0.2153	0.2661	0.3172	0.3683	0.4196	0.4710	0.5224	0.5738	0.6253	0.6769	0.7284	0.7800	0.8316	0.8832	0.9349	22.9
29.1-31.0	32.5- 34.7	0.0748	0.1311	0.1885	0.2464	0.3048	0.3634	0.4221	0.4810	0.5400	0.5990	0.6581	0.7173	0.7765	0.8357	0.8950	0.9543	1.0136	1.0729	23.5
31.1-33.0	34.8- 37.0	0.0846	0.1484	0.2134	0.2793	0.3455	0.4121	0.4788	0.5458	0.6128	0.6799	0.7472	0.8144	0.8818	0.9491	1.0165	1.0840	1.1514	1.2189	23.9
33.1-35.0	37.2- 39.4	0.0948	0.1665	0.2397	0.3137	0.3883	0.4633	0.5385	0.6139	0.6895	0.7652	0.8410	0.9168	0.9927	1.0687	1.1447	1.2207	1.2968	1.3729	24.4
35.1-37.0	39.5- 41.7	0.1055	0.1855	0.2671	0.3499	0.4332	0.5170	0.6012	0.6855	0.7701	0.8548	0.9395	1.0244	1.1094	1.1944	1.2795	1.3646	1.4498	1.5350	24.7
37.1-39.0	41.9- 44.1	0.1167	0.2053	0.2959	0.3876	0.4802	0.5733	0.6667	0.7605	0.8545	0.9486	1.0429	1.1372	1.2317	1.3262	1.4208	1.5155	1.6102	1.7050	25.0
39.1-41.0	44.2- 46.5	0.1284	0.2260	0.3258	0.4271	0.5292	0.6320	0.7353	0.8388	0.9427	1.0467	1.1509	1.2552	1.3597	1.4642	1.5688	1.6734	1.7782	1.8829	25.3
41.1-43.0	46.6- 48.8	0.1406	0.2476	0.3571	0.4682	0.5803	0.6932	0.8067	0.9205	1.0347	1.1491	1.2636	1.3784	1.4932	1.6082	1.7232	1.8384	1.9536	2.0688	25.5
43.1-45.0	49.0- 51.2	0.1534	0.2701	0.3896	0.5109	0.6335	0.7569	0.8810	1.0056	1.1305	1.2557	1.3811	1.5066	1.6324	1.7582	1.8842	2.0103	2.1364	2.2626	25.7
45.1-47.0	51.4- 53.6	0.1667	0.2934	0.4233	0.5553	0.6887	0.8231	0.9582	1.0939	1.2300	1.3664	1.5031	1.6400	1.7771	1.9143	2.0516	2.1891	2.3266	2.4643	25.9
47.1-49.0	53.8- 56.0	0.1805	0.3177	0.4583	0.6013	0.7459	0.8917	1.0383	1.1856	1.3333	1.4814	1.6298	1.7785	1.9273	2.0763	2.2255	2.3748	2.5242	2.6737	26.0
49.1-51.0	56.2- 58.5	0.1949	0.3429	0.4946	0.6490	0.8052	0.9628	1.1213	1.2805	1.4403	1.6005	1.7611	1.9219	2.0830	2.2443	2.4058	2.5674	2.7291	2.8909	26.2
51.1-53.0	58.6- 60.9	0.2098	0.3691	0.5322	0.6984	0.8666	1.0363	1.2071	1.3788	1.5510	1.7238	1.8970	2.0705	2.2442	2.4182	2.5924	2.7668	2.9413	3.1159	26.3
53.1-55.0	61.0- 63.3	0.2254	0.3962	0.5711	0.7494	0.9300	1.1122	1.2958	1.4802	1.6654	1.8512	2.0374	2.2240	2.4109	2.5980	2.7854	2.9729	3.1607	3.3485	26.4
55.1-57.0	63.5- 65.8	0.2416	0.4242	0.6113	0.8020	0.9954	1.1906	1.3873	1.5850	1.7835	1.9826	2.1823	2.3824	2.5829	2.7836	2.9847	3.1859	3.3873	3.5888	26.5
57.1-59.0	65.9- 68.3	0.2584	0.4532	0.6528	0.8564	1.0628	1.2714	1.4816	1.6929	1.9052	2.1182	2.3318	2.5459	2.7603	2.9751	3.1902	3.4055	3.6211	3.8368	26.5
59.1-61.0	68.4- 70.7	0.2759	0.4833	0.6956	0.9124	1.1323	1.3546	1.5787	1.8041	2.0306	2.2578	2.4857	2.7142	2.9431	3.1724	3.4020	3.6319	3.8620	4.0923	26.6
61.1-63.0	70.8- 73.2	0.2940	0.5143	0.7398	0.9701	1.2039	1.4403	1.6787	1.9185	2.1595	2.4015	2.6442	2.8875	3.1312	3.3754	3.6200	3.8649	4.1100	4.3554	26.6
63.1-65.0	73.3- 75.7	0.3128	0.5464	0.7854	1.0295	1.2775	1.5284	1.7814	2.0361	2.2922	2.5492	2.8070	3.0656	3.3247	3.5842	3.8442	4.1045	4.3651	4.6260	26.7
65.1-67.0	75.8- 78.2	0.3323	0.5795	0.8323	1.0906	1.3531	1.6189	1.8870	2.1570	2.4284	2.7009	2.9744	3.2486	3.5234	3.7988	4.0746	4.3508	4.6273	4.9041	26.7
67.1-69.0	78.3- 80.7	0.3526	0.6138	0.8806	1.1534	1.4309	1.7118	1.9954	2.2810	2.5682	2.8566	3.1461	3.4364	3.7274	4.0190	4.3111	4.6036	4.8965	5.1897	26.8
69.1-71.0	80.8- 83.2	0.3736	0.6491	0.9304	1.2180	1.5107	1.8072	2.1066	2.4082	2.7116	3.0164	3.3223	3.6291	3.9367	4.2449	4.5537	4.8630	5.1726	5.4827	26.8
71.1-73.0	83.4- 85.8	0.3954	0.6855	0.9815	1.2843	1.5925	1.9050	2.2206	2.5386	2.8586	3.1801	3.5028	3.8266	4.1512	4.4765	4.8024	5.1289	5.4558	5.7831	26.8
73.1-75.0	85.9- 88.3	0.4180	0.7231	1.0341	1.3524	1.6765	2.0052	2.3374	2.6722	3.0092	3.3478	3.6878	4.0289	4.3709	4.7137	5.0572	5.4013	5.7458	6.0908	26.8
75.1-77.0	88.4- 90.9	0.4414	0.7619	1.0882	1.4222	1.7626	2.1079	2.4570	2.8090	3.1633	3.5194	3.8771	4.2359	4.5958	4.9566	5.3181	5.6802	6.0428	6.4059	26.9
77.1-79.0	91.0- 93.4	0.4657	0.8019	1.1438	1.4939	1.8508	2.2131	2.5794	2.9490	3.3210	3.6951	4.0708	4.4478	4.8259	5.2050	5.5849	5.9655	6.3467	6.7284	26.9
79.1-81.0	93.6- 96.0	0.4908	0.8431	1.2009	1.5674	1.9412	2.3207	2.7047	3.0922	3.4823	3.8747	4.2688	4.6644	5.0612	5.4591	5.8578	6.2573	6.6574	7.0581	26.9

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 19. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.1- 9.4	0.0002	0.0005	0.0007	0.0010	0.0013	0.0015	0.0018	0.0021	0.0023	0.0026	0.0029	0.0032	0.0034	0.0037	0.0040	0.0043	0.0045	0.0048	8.4
9.1-11.0	9.5- 11.8	0.0058	0.0103	0.0150	0.0197	0.0245	0.0294	0.0342	0.0391	0.0439	0.0488	0.0537	0.0585	0.0634	0.0683	0.0732	0.0781	0.0830	0.0879	10.1
11.1-13.0	11.9- 14.2	0.0111	0.0195	0.0280	0.0366	0.0453	0.0540	0.0627	0.0714	0.0801	0.0889	0.0976	0.1064	0.1151	0.1239	0.1326	0.1414	0.1502	0.1589	11.7
13.1-15.0	14.3- 16.6	0.0165	0.0287	0.0412	0.0538	0.0665	0.0792	0.0919	0.1047	0.1175	0.1302	0.1430	0.1558	0.1686	0.1815	0.1943	0.2071	0.2199	0.2328	13.2
15.1-17.0	16.7- 18.9	0.0222	0.0387	0.0556	0.0726	0.0897	0.1069	0.1241	0.1413	0.1586	0.1759	0.1932	0.2105	0.2278	0.2452	0.2625	0.2799	0.2972	0.3146	14.6
17.1-19.0	19.0- 21.3	0.0283	0.0496	0.0712	0.0931	0.1151	0.1372	0.1594	0.1816	0.2039	0.2262	0.2485	0.2708	0.2931	0.3155	0.3378	0.3602	0.3826	0.4050	15.9
19.1-21.0	21.4- 23.6	0.0349	0.0613	0.0881	0.1153	0.1427	0.1702	0.1978	0.2254	0.2532	0.2809	0.3087	0.3365	0.3643	0.3922	0.4200	0.4479	0.4758	0.5037	17.0
21.1-23.0	23.7- 26.0	0.0420	0.0737	0.1062	0.1391	0.1722	0.2056	0.2390	0.2726	0.3062	0.3398	0.3736	0.4073	0.4411	0.4749	0.5087	0.5426	0.5764	0.6103	18.1
23.1-25.0	26.1- 28.3	0.0494	0.0869	0.1253	0.1643	0.2036	0.2431	0.2828	0.3227	0.3626	0.4026	0.4427	0.4828	0.5230	0.5631	0.6034	0.6436	0.6839	0.7242	19.1
25.1-27.0	28.4- 30.6	0.0572	0.1007	0.1454	0.1908	0.2366	0.2827	0.3290	0.3755	0.4222	0.4689	0.5157	0.5625	0.6095	0.6564	0.7034	0.7505	0.7975	0.8446	20.0
27.1-29.0	30.7- 32.9	0.0653	0.1152	0.1664	0.2184	0.2710	0.3241	0.3773	0.4308	0.4845	0.5383	0.5921	0.6461	0.7001	0.7542	0.8084	0.8625	0.9168	0.9710	20.9
29.1-31.0	33.0- 35.1	0.0738	0.1302	0.1881	0.2471	0.3068	0.3670	0.4275	0.4883	0.5493	0.6104	0.6717	0.7330	0.7945	0.8560	0.9176	0.9793	1.0410	1.1027	21.6
31.1-33.0	35.2- 37.4	0.0826	0.1457	0.2106	0.2767	0.3437	0.4113	0.4793	0.5476	0.6162	0.6849	0.7539	0.8229	0.8921	0.9613	1.0306	1.1000	1.1695	1.2390	22.3
33.1-35.0	37.5- 39.6	0.0916	0.1616	0.2336	0.3071	0.3815	0.4567	0.5324	0.6085	0.6849	0.7615	0.8383	0.9153	0.9924	1.0696	1.1469	1.2243	1.3018	1.3793	23.0
35.1-37.0	39.7- 41.9	0.1010	0.1780	0.2572	0.3381	0.4202	0.5031	0.5867	0.6707	0.7551	0.8398	0.9247	1.0098	1.0951	1.1805	1.2660	1.3516	1.4373	1.5230	23.6
37.1-39.0	42.0- 44.1	0.1107	0.1948	0.2813	0.3697	0.4596	0.5504	0.6419	0.7341	0.8266	0.9195	1.0127	1.1061	1.1997	1.2934	1.3873	1.4813	1.5753	1.6695	24.1
39.1-41.0	44.2- 46.3	0.1206	0.2119	0.3058	0.4018	0.4995	0.5983	0.6979	0.7983	0.8991	1.0003	1.1019	1.2037	1.3057	1.4080	1.5104	1.6129	1.7155	1.8183	24.6
41.1-43.0	46.4- 48.5	0.1308	0.2293	0.3306	0.4343	0.5398	0.6466	0.7545	0.8631	0.9723	1.0820	1.1920	1.3024	1.4130	1.5238	1.6348	1.7460	1.8573	1.9688	25.0
43.1-45.0	48.6- 50.7	0.1412	0.2470	0.3556	0.4670	0.5804	0.6953	0.8114	0.9284	1.0460	1.1641	1.2828	1.4017	1.5210	1.6405	1.7602	1.8801	2.0002	2.1204	25.4
45.1-47.0	50.8- 52.8	0.1519	0.2649	0.3810	0.5000	0.6213	0.7443	0.8686	0.9939	1.1200	1.2467	1.3739	1.5015	1.6294	1.7577	1.8862	2.0149	2.1438	2.2728	25.8
47.1-49.0	52.9- 55.0	0.1628	0.2831	0.4065	0.5331	0.6622	0.7933	0.9258	1.0595	1.1940	1.3292	1.4651	1.6013	1.7380	1.8750	2.0123	2.1498	2.2876	2.4255	26.1
49.1-51.0	55.1- 57.1	0.1739	0.3015	0.4321	0.5663	0.7032	0.8423	0.9830	1.1250	1.2679	1.4117	1.5561	1.7010	1.8464	1.9922	2.1383	2.2846	2.4312	2.5780	26.4
51.1-53.0	57.2- 59.2	0.1853	0.3201	0.4579	0.5995	0.7441	0.8911	1.0400	1.1902	1.3415	1.4938	1.6468	1.8003	1.9544	2.1089	2.2638	2.4189	2.5743	2.7300	26.7
53.1-55.0	59.3- 61.3	0.1969	0.3389	0.4837	0.6326	0.7849	0.9397	1.0966	1.2550	1.4147	1.5754	1.7369	1.8990	2.0617	2.2249	2.3885	2.5524	2.7166	2.8811	26.9
55.1-57.0	61.4- 63.4	0.2087	0.3578	0.5096	0.6657	0.8255	0.9880	1.1528	1.3194	1.4873	1.6563	1.8262	1.9968	2.1681	2.3398	2.5121	2.6847	2.8576	3.0309	27.1
57.1-59.0	63.5- 65.5	0.2208	0.3769	0.5355	0.6987	0.8657	1.0359	1.2085	1.3830	1.5590	1.7363	1.9145	2.0935	2.2733	2.4536	2.6344	2.8156	2.9972	3.1791	27.3
59.1-61.0	65.6- 67.6	0.2331	0.3960	0.5614	0.7314	0.9057	1.0833	1.2636	1.4460	1.6299	1.8153	2.0017	2.1890	2.3771	2.5658	2.7551	2.9448	3.1350	3.3255	27.5
61.1-63.0	67.7- 69.6	0.2456	0.4154	0.5872	0.7640	0.9453	1.1302	1.3180	1.5080	1.6999	1.8931	2.0876	2.2831	2.4794	2.6764	2.8741	3.0722	3.2708	3.4697	27.7
63.1-65.0	69.7- 71.7	0.2583	0.4348	0.6129	0.7963	0.9844	1.1764	1.3716	1.5691	1.7687	1.9698	2.1722	2.3757	2.5800	2.7852	2.9910	3.1974	3.4043	3.6116	27.9
65.1-67.0	71.8- 73.7	0.2712	0.4543	0.6386	0.8283	1.0231	1.2220	1.4243	1.6292	1.8362	2.0450	2.2552	2.4665	2.6788	2.8920	3.1058	3.3203	3.5353	3.7508	28.0
67.1-69.0	73.8- 75.7	0.2843	0.4739	0.6641	0.8600	1.0612	1.2669	1.4761	1.6882	1.9026	2.1188	2.3365	2.5555	2.7756	2.9965	3.2183	3.4407	3.6637	3.8872	28.1
69.1-71.0	75.8- 77.7	0.2977	0.4936	0.6896	0.8914	1.0988	1.3110	1.5270	1.7460	1.9675	2.1910	2.4161	2.6426	2.8702	3.0988	3.3283	3.5585	3.7893	4.0206	28.2
71.1-73.0	77.8- 79.7	0.3112	0.5133	0.7149	0.9224	1.1358	1.3543	1.5768	1.8026	2.0310	2.2615	2.4938	2.7276	2.9626	3.1987	3.4356	3.6734	3.9118	4.1508	28.3
73.1-75.0	79.8- 81.7	0.3250	0.5331	0.7400	0.9530	1.1722	1.3968	1.6256	1.8579	2.0930	2.3304	2.5696	2.8105	3.0527	3.2960	3.5403	3.7854	4.0313	4.2777	28.4
75.1-77.0	81.8- 83.6	0.3390	0.5530	0.7650	0.9832	1.2080	1.4383	1.6733	1.9119	2.1534	2.3974	2.6435	2.8912	3.1403	3.3907	3.6421	3.8944	4.1474	4.4012	28.5
77.1-79.0	83.7- 85.6	0.3532	0.5729	0.7898	1.0130	1.2431	1.4790	1.7198	1.9645	2.2123	2.4627	2.7152	2.9696	3.2255	3.4827	3.7409	4.0002	4.2602	4.5210	28.6
79.1-81.0	85.7- 87.5	0.3676	0.5929	0.8144	1.0424	1.2775	1.5188	1.7652	2.0156	2.2695	2.5261	2.7849	3.0457	3.3081	3.5718	3.8368	4.1027	4.3696	4.6372	28.7

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 20. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	11.9- 14.2	0.0039	0.0066	0.0090	0.0113	0.0136	0.0158	0.0180	0.0201	0.0223	0.0244	0.0265	0.0286	0.0307	0.0328	0.0349	0.0370	0.0391	0.0412	11.7
13.1-15.0	14.3- 16.6	0.0112	0.0202	0.0296	0.0392	0.0489	0.0588	0.0687	0.0786	0.0886	0.0986	0.1086	0.1186	0.1287	0.1387	0.1488	0.1588	0.1689	0.1790	13.2
15.1-17.0	16.7- 18.9	0.0182	0.0325	0.0474	0.0625	0.0777	0.0930	0.1084	0.1238	0.1393	0.1548	0.1703	0.1858	0.2013	0.2168	0.2324	0.2479	0.2635	0.2790	14.6
17.1-19.0	19.0- 21.3	0.0250	0.0446	0.0647	0.0851	0.1057	0.1264	0.1471	0.1680	0.1888	0.2097	0.2306	0.2515	0.2725	0.2934	0.3144	0.3354	0.3564	0.3774	15.9
19.1-21.0	21.4- 23.6	0.0320	0.0570	0.0826	0.1085	0.1347	0.1611	0.1875	0.2140	0.2405	0.2671	0.2938	0.3204	0.3471	0.3738	0.4005	0.4272	0.4540	0.4807	17.0
21.1-23.0	23.7- 26.0	0.0394	0.0699	0.1013	0.1331	0.1652	0.1975	0.2300	0.2625	0.2952	0.3278	0.3605	0.3933	0.4261	0.4589	0.4917	0.5246	0.5575	0.5904	18.1
23.1-25.0	26.1- 28.3	0.0470	0.0834	0.1209	0.1589	0.1973	0.2359	0.2748	0.3137	0.3527	0.3919	0.4310	0.4703	0.5096	0.5489	0.5882	0.6276	0.6669	0.7064	19.1
25.1-27.0	28.4- 30.6	0.0550	0.0975	0.1413	0.1858	0.2308	0.2761	0.3216	0.3673	0.4132	0.4591	0.5051	0.5511	0.5973	0.6434	0.6896	0.7359	0.7821	0.8284	20.0
27.1-29.0	30.7- 32.9	0.0632	0.1122	0.1625	0.2138	0.2657	0.3179	0.3705	0.4232	0.4761	0.5292	0.5823	0.6356	0.6889	0.7422	0.7956	0.8491	0.9026	0.9561	20.9
29.1-31.0	33.0- 35.1	0.0718	0.1273	0.1845	0.2427	0.3017	0.3612	0.4210	0.4811	0.5414	0.6019	0.6625	0.7232	0.7840	0.8448	0.9057	0.9667	1.0277	1.0888	21.6
31.1-33.0	35.2- 37.4	0.0807	0.1429	0.2071	0.2726	0.3389	0.4058	0.4731	0.5408	0.6088	0.6769	0.7452	0.8136	0.8821	0.9508	1.0194	1.0882	1.1570	1.2259	22.3
33.1-35.0	37.5- 39.6	0.0899	0.1590	0.2303	0.3031	0.3769	0.4515	0.5266	0.6020	0.6778	0.7539	0.8301	0.9065	0.9830	1.0596	1.1363	1.2131	1.2900	1.3669	23.0
35.1-37.0	39.7- 41.9	0.0993	0.1755	0.2540	0.3343	0.4158	0.4981	0.5811	0.6645	0.7484	0.8325	0.9168	1.0014	1.0861	1.1709	1.2558	1.3409	1.4260	1.5112	23.6
37.1-39.0	42.0- 44.1	0.1090	0.1923	0.2782	0.3660	0.4553	0.5455	0.6365	0.7281	0.8201	0.9125	1.0051	1.0979	1.1910	1.2842	1.3775	1.4710	1.5645	1.6582	24.1
39.1-41.0	44.2- 46.3	0.1190	0.2095	0.3027	0.3982	0.4953	0.5936	0.6927	0.7925	0.8928	0.9935	1.0945	1.1959	1.2974	1.3991	1.5010	1.6030	1.7051	1.8073	24.6
41.1-43.0	46.4- 48.5	0.1292	0.2270	0.3276	0.4307	0.5357	0.6421	0.7494	0.8575	0.9662	1.0753	1.1849	1.2948	1.4049	1.5152	1.6257	1.7364	1.8472	1.9582	25.0
43.1-45.0	48.6- 50.7	0.1397	0.2447	0.3528	0.4636	0.5765	0.6909	0.8064	0.9229	1.0400	1.1577	1.2758	1.3943	1.5131	1.6321	1.7514	1.8708	1.9904	2.1102	25.4
45.1-47.0	50.8- 52.8	0.1504	0.2627	0.3781	0.4966	0.6174	0.7399	0.8637	0.9885	1.1141	1.2404	1.3671	1.4943	1.6218	1.7495	1.8776	2.0058	2.1342	2.2628	25.8
47.1-49.0	52.9- 55.0	0.1613	0.2809	0.4037	0.5298	0.6584	0.7890	0.9210	1.0542	1.1883	1.3231	1.4585	1.5943	1.7305	1.8671	2.0039	2.1410	2.2783	2.4157	26.1
49.1-51.0	55.1- 57.1	0.1725	0.2994	0.4294	0.5630	0.6994	0.8380	0.9783	1.1198	1.2623	1.4056	1.5496	1.6941	1.8391	1.9844	2.1300	2.2760	2.4221	2.5685	26.4
51.1-53.0	57.2- 59.2	0.1839	0.3180	0.4552	0.5962	0.7404	0.8869	1.0353	1.1851	1.3360	1.4879	1.6404	1.7935	1.9472	2.1012	2.2557	2.4104	2.5654	2.7206	26.7
53.1-55.0	59.3- 61.3	0.1955	0.3368	0.4811	0.6294	0.7812	0.9356	1.0920	1.2500	1.4093	1.5695	1.7306	1.8923	2.0546	2.2173	2.3805	2.5440	2.7078	2.8719	26.9
55.1-57.0	61.4- 63.4	0.2074	0.3557	0.5070	0.6626	0.8218	0.9840	1.1483	1.3144	1.4819	1.6505	1.8200	1.9902	2.1610	2.3324	2.5042	2.6764	2.8490	3.0218	27.1
57.1-59.0	63.5- 65.5	0.2195	0.3748	0.5329	0.6955	0.8621	1.0319	1.2041	1.3781	1.5537	1.7305	1.9084	2.0870	2.2663	2.4462	2.6266	2.8075	2.9887	3.1702	27.3
59.1-61.0	65.6- 67.6	0.2317	0.3940	0.5588	0.7283	0.9021	1.0793	1.2592	1.4411	1.6247	1.8096	1.9956	2.1826	2.3703	2.5586	2.7475	2.9368	3.1266	3.3167	27.5
61.1-63.0	67.7- 69.6	0.2442	0.4133	0.5846	0.7609	0.9417	1.1262	1.3136	1.5032	1.6946	1.8875	2.0816	2.2767	2.4726	2.6693	2.8665	3.0642	3.2624	3.4610	27.7
63.1-65.0	69.7- 71.7	0.2570	0.4328	0.6104	0.7932	0.9809	1.1725	1.3672	1.5643	1.7635	1.9642	2.1662	2.3693	2.5733	2.7781	2.9835	3.1895	3.3960	3.6029	27.9
65.1-67.0	71.8- 73.7	0.2699	0.4523	0.6360	0.8252	1.0196	1.2181	1.4199	1.6245	1.8311	2.0394	2.2492	2.4602	2.6721	2.8849	3.0984	3.3125	3.5271	3.7422	28.0
67.1-69.0	73.8- 75.7	0.2831	0.4719	0.6616	0.8569	1.0577	1.2630	1.4718	1.6835	1.8974	2.1132	2.3306	2.5492	2.7689	2.9895	3.2109	3.4329	3.6556	3.8787	28.1
69.1-71.0	75.8- 77.7	0.2964	0.4916	0.6870	0.8883	1.0953	1.3071	1.5227	1.7413	1.9624	2.1855	2.4102	2.6363	2.8636	3.0918	3.3209	3.5507	3.7812	4.0122	28.2
71.1-73.0	77.8- 79.7	0.3100	0.5114	0.7124	0.9193	1.1323	1.3504	1.5725	1.7979	2.0259	2.2560	2.4880	2.7214	2.9560	3.1917	3.4283	3.6657	3.9038	4.1424	28.3
73.1-75.0	79.8- 81.7	0.3238	0.5312	0.7375	0.9499	1.1687	1.3928	1.6213	1.8532	2.0879	2.3249	2.5638	2.8043	3.0461	3.2891	3.5330	3.7777	4.0232	4.2694	28.4
75.1-77.0	81.8- 83.6	0.3378	0.5511	0.7625	0.9802	1.2045	1.4344	1.6689	1.9071	2.1483	2.3920	2.6376	2.8850	3.1338	3.3838	3.6348	3.8867	4.1394	4.3928	28.5
77.1-79.0	83.7- 85.6	0.3520	0.5710	0.7873	1.0100	1.2396	1.4751	1.7155	1.9597	2.2072	2.4572	2.7094	2.9634	3.2189	3.4757	3.7337	3.9925	4.2523	4.5127	28.6
79.1-81.0	85.7- 87.5	0.3665	0.5910	0.8119	1.0393	1.2740	1.5149	1.7608	2.0109	2.2644	2.5206	2.7791	3.0395	3.3015	3.5649	3.8295	4.0951	4.3616	4.6289	28.7

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 21. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 7, 8, 10

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	11.9- 14.2	0.0011	0.0017	0.0023	0.0028	0.0033	0.0038	0.0043	0.0048	0.0054	0.0059	0.0065	0.0070	0.0076	0.0081	0.0087	0.0092	0.0098	0.0104	11.7
13.1-15.0	14.3- 16.6	0.0083	0.0145	0.0209	0.0274	0.0340	0.0406	0.0473	0.0540	0.0607	0.0675	0.0743	0.0811	0.0880	0.0948	0.1017	0.1086	0.1155	0.1223	13.2
15.1-17.0	16.7- 18.9	0.0159	0.0286	0.0419	0.0556	0.0694	0.0833	0.0973	0.1114	0.1255	0.1397	0.1539	0.1680	0.1822	0.1965	0.2107	0.2249	0.2392	0.2534	14.6
17.1-19.0	19.0- 21.3	0.0232	0.0416	0.0607	0.0802	0.0998	0.1196	0.1395	0.1594	0.1794	0.1994	0.2194	0.2394	0.2595	0.2796	0.2997	0.3198	0.3399	0.3600	15.9
19.1-21.0	21.4- 23.6	0.0305	0.0546	0.0794	0.1046	0.1301	0.1557	0.1815	0.2073	0.2331	0.2590	0.2850	0.3110	0.3370	0.3630	0.3890	0.4151	0.4411	0.4672	17.0
21.1-23.0	23.7- 26.0	0.0380	0.0678	0.0986	0.1298	0.1613	0.1931	0.2249	0.2569	0.2890	0.3211	0.3532	0.3854	0.4176	0.4499	0.4822	0.5144	0.5468	0.5791	18.1
23.1-25.0	26.1- 28.3	0.0458	0.0816	0.1185	0.1560	0.1939	0.2320	0.2703	0.3088	0.3473	0.3860	0.4247	0.4634	0.5022	0.5410	0.5799	0.6187	0.6576	0.6966	19.1
25.1-27.0	28.4- 30.6	0.0539	0.0959	0.1391	0.1832	0.2277	0.2726	0.3177	0.3629	0.4083	0.4538	0.4994	0.5450	0.5907	0.6364	0.6822	0.7280	0.7738	0.8197	20.0
27.1-29.0	30.7- 32.9	0.0622	0.1106	0.1605	0.2114	0.2628	0.3147	0.3668	0.4192	0.4717	0.5244	0.5771	0.6300	0.6829	0.7358	0.7889	0.8419	0.8950	0.9481	20.9
29.1-31.0	33.0- 35.1	0.0709	0.1259	0.1826	0.2405	0.2991	0.3582	0.4177	0.4774	0.5373	0.5974	0.6577	0.7180	0.7784	0.8389	0.8995	0.9601	1.0207	1.0814	21.6
31.1-33.0	35.2- 37.4	0.0798	0.1416	0.2054	0.2704	0.3364	0.4030	0.4700	0.5373	0.6049	0.6727	0.7407	0.8088	0.8770	0.9453	1.0136	1.0821	1.1505	1.2191	22.3
33.1-35.0	37.5- 39.6	0.0890	0.1577	0.2286	0.3011	0.3746	0.4488	0.5236	0.5987	0.6742	0.7499	0.8258	0.9019	0.9781	1.0544	1.1308	1.2073	1.2839	1.3605	23.0
35.1-37.0	39.7- 41.9	0.0985	0.1743	0.2524	0.3324	0.4135	0.4956	0.5782	0.6614	0.7449	0.8287	0.9128	0.9970	1.0814	1.1660	1.2506	1.3354	1.4202	1.5051	23.6
37.1-39.0	42.0- 44.1	0.1082	0.1911	0.2766	0.3642	0.4531	0.5431	0.6338	0.7251	0.8168	0.9089	1.0012	1.0938	1.1866	1.2795	1.3726	1.4657	1.5590	1.6524	24.1
39.1-41.0	44.2- 46.3	0.1182	0.2083	0.3012	0.3964	0.4932	0.5912	0.6901	0.7896	0.8896	0.9901	1.0908	1.1919	1.2932	1.3946	1.4962	1.5980	1.6998	1.8018	24.6
41.1-43.0	46.4- 48.5	0.1285	0.2258	0.3262	0.4290	0.5337	0.6398	0.7468	0.8547	0.9631	1.0720	1.1813	1.2909	1.4008	1.5109	1.6211	1.7316	1.8421	1.9528	25.0
43.1-45.0	48.6- 50.7	0.1390	0.2436	0.3514	0.4619	0.5745	0.6887	0.8040	0.9202	1.0371	1.1545	1.2724	1.3906	1.5092	1.6280	1.7470	1.8662	1.9855	2.1050	25.4
45.1-47.0	50.8- 52.8	0.1497	0.2616	0.3768	0.4949	0.6155	0.7377	0.8613	0.9859	1.1113	1.2372	1.3637	1.4907	1.6179	1.7455	1.8733	2.0013	2.1295	2.2578	25.8
47.1-49.0	52.9- 55.0	0.1606	0.2799	0.4024	0.5281	0.6565	0.7869	0.9187	1.0516	1.1855	1.3200	1.4552	1.5908	1.7268	1.8631	1.9997	2.1366	2.2736	2.4109	26.1
49.1-51.0	55.1- 57.1	0.1718	0.2983	0.4281	0.5614	0.6976	0.8360	0.9760	1.1173	1.2596	1.4027	1.5464	1.6907	1.8354	1.9805	2.1260	2.2717	2.4176	2.5637	26.4
51.1-53.0	57.2- 59.2	0.1833	0.3170	0.4539	0.5947	0.7386	0.8849	1.0331	1.1826	1.3333	1.4849	1.6373	1.7902	1.9436	2.0975	2.2517	2.4062	2.5610	2.7160	26.7
53.1-55.0	59.3- 61.3	0.1949	0.3358	0.4798	0.6279	0.7794	0.9336	1.0898	1.2476	1.4066	1.5666	1.7275	1.8890	2.0511	2.2136	2.3766	2.5399	2.7035	2.8673	26.9
55.1-57.0	61.4- 63.4	0.2068	0.3547	0.5057	0.6610	0.8201	0.9820	1.1461	1.3120	1.4793	1.6476	1.8169	1.9869	2.1576	2.3288	2.5004	2.6724	2.8447	3.0174	27.1
57.1-59.0	63.5- 65.5	0.2188	0.3738	0.5316	0.6940	0.8604	1.0299	1.2019	1.3758	1.5511	1.7278	1.9054	2.0838	2.2629	2.4426	2.6228	2.8035	2.9845	3.1658	27.3
59.1-61.0	65.6- 67.6	0.2311	0.3931	0.5575	0.7268	0.9004	1.0774	1.2570	1.4387	1.6221	1.8069	1.9927	2.1794	2.3669	2.5550	2.7437	2.9329	3.1224	3.3124	27.5
61.1-63.0	67.7- 69.6	0.2437	0.4124	0.5834	0.7594	0.9400	1.1243	1.3114	1.5009	1.6921	1.8848	2.0787	2.2736	2.4693	2.6658	2.8628	3.0604	3.2584	3.4567	27.7
63.1-65.0	69.7- 71.7	0.2564	0.4319	0.6092	0.7917	0.9792	1.1706	1.3651	1.5620	1.7610	1.9615	2.1633	2.3662	2.5700	2.7746	2.9799	3.1857	3.3920	3.5987	27.9
65.1-67.0	71.8- 73.7	0.2693	0.4514	0.6348	0.8238	1.0179	1.2162	1.4179	1.6222	1.8286	2.0368	2.2464	2.4571	2.6689	2.8815	3.0948	3.3087	3.5231	3.7381	28.0
67.1-69.0	73.8- 75.7	0.2825	0.4710	0.6604	0.8555	1.0560	1.2611	1.4697	1.6812	1.8949	2.1106	2.3277	2.5462	2.7657	2.9861	3.2073	3.4292	3.6516	3.8746	28.1
69.1-71.0	75.8- 77.7	0.2959	0.4907	0.6859	0.8869	1.0937	1.3052	1.5206	1.7390	1.9599	2.1828	2.4074	2.6333	2.8604	3.0885	3.3174	3.5470	3.7773	4.0081	28.2
71.1-73.0	77.8- 79.7	0.3095	0.5105	0.7112	0.9179	1.1307	1.3485	1.5704	1.7956	2.0234	2.2534	2.4852	2.7184	2.9528	3.1884	3.4248	3.6620	3.8999	4.1384	28.3
73.1-75.0	79.8- 81.7	0.3233	0.5304	0.7363	0.9485	1.1671	1.3910	1.6192	1.8509	2.0855	2.3223	2.5610	2.8013	3.0430	3.2857	3.5295	3.7741	4.0194	4.2653	28.4
75.1-77.0	81.8- 83.6	0.3373	0.5502	0.7613	0.9788	1.2029	1.4326	1.6669	1.9049	2.1459	2.3894	2.6349	2.8820	3.1306	3.3805	3.6313	3.8831	4.1356	4.3888	28.5
77.1-79.0	83.7- 85.6	0.3515	0.5702	0.7861	1.0086	1.2380	1.4733	1.7134	1.9575	2.2048	2.4546	2.7067	2.9605	3.2158	3.4725	3.7302	3.9889	4.2485	4.5087	28.6
79.1-81.0	85.7- 87.5	0.3660	0.5902	0.8108	1.0380	1.2724	1.5131	1.7588	2.0087	2.2620	2.5180	2.7763	3.0366	3.2984	3.5616	3.8261	4.0915	4.3578	4.6250	28.7

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 25. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 1, 3, 4, 5, 6, 12, 13

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.7- 9.8	0.0011	0.0021	0.0032	0.0043	0.0054	0.0065	0.0076	0.0087	0.0098	0.0109	0.0120	0.0131	0.0142	0.0153	0.0164	0.0175	0.0187	0.0198	11.2
9.1-11.0	9.9- 12.0	0.0077	0.0128	0.0180	0.0233	0.0285	0.0338	0.0390	0.0443	0.0496	0.0548	0.0601	0.0654	0.0707	0.0760	0.0812	0.0865	0.0918	0.0971	13.2
11.1-13.0	12.1- 14.2	0.0133	0.0220	0.0307	0.0394	0.0482	0.0570	0.0657	0.0745	0.0833	0.0921	0.1009	0.1097	0.1185	0.1273	0.1362	0.1450	0.1538	0.1626	15.1
13.1-15.0	14.4- 16.5	0.0191	0.0315	0.0440	0.0564	0.0689	0.0814	0.0939	0.1065	0.1190	0.1316	0.1441	0.1567	0.1692	0.1818	0.1943	0.2069	0.2195	0.2321	16.6
15.1-17.0	16.6- 18.8	0.0255	0.0419	0.0585	0.0751	0.0917	0.1084	0.1250	0.1417	0.1584	0.1751	0.1918	0.2085	0.2252	0.2420	0.2587	0.2754	0.2922	0.3089	18.0
17.1-19.0	18.9- 21.1	0.0324	0.0534	0.0745	0.0957	0.1169	0.1381	0.1594	0.1807	0.2019	0.2232	0.2446	0.2659	0.2872	0.3085	0.3299	0.3512	0.3726	0.3939	19.2
19.1-21.0	21.2- 23.3	0.0398	0.0659	0.0920	0.1182	0.1445	0.1707	0.1970	0.2234	0.2497	0.2761	0.3025	0.3289	0.3552	0.3817	0.4081	0.4345	0.4609	0.4873	20.2
21.1-23.0	23.5- 25.7	0.0479	0.0793	0.1110	0.1427	0.1744	0.2062	0.2380	0.2699	0.3018	0.3336	0.3655	0.3975	0.4294	0.4613	0.4933	0.5252	0.5572	0.5892	21.0
23.1-25.0	25.8- 28.0	0.0565	0.0939	0.1314	0.1690	0.2067	0.2445	0.2823	0.3201	0.3580	0.3959	0.4338	0.4717	0.5096	0.5475	0.5855	0.6234	0.6614	0.6994	21.8
25.1-27.0	28.1- 30.3	0.0657	0.1094	0.1533	0.1973	0.2414	0.2856	0.3298	0.3741	0.4184	0.4627	0.5070	0.5514	0.5957	0.6401	0.6845	0.7289	0.7734	0.8178	22.4
27.1-29.0	30.4- 32.7	0.0754	0.1258	0.1765	0.2274	0.2784	0.3294	0.3805	0.4316	0.4828	0.5340	0.5853	0.6365	0.6878	0.7391	0.7904	0.8417	0.8930	0.9444	23.0
29.1-31.0	32.8- 35.1	0.0856	0.1432	0.2012	0.2593	0.3176	0.3759	0.4343	0.4928	0.5513	0.6098	0.6684	0.7270	0.7856	0.8442	0.9029	0.9616	1.0202	1.0789	23.4
31.1-33.0	35.2- 37.4	0.0963	0.1615	0.2271	0.2930	0.3590	0.4250	0.4912	0.5574	0.6237	0.6900	0.7563	0.8227	0.8891	0.9555	1.0219	1.0884	1.1549	1.2214	23.8
33.1-35.0	37.6- 39.8	0.1075	0.1807	0.2544	0.3284	0.4025	0.4767	0.5511	0.6255	0.6999	0.7744	0.8489	0.9235	0.9981	1.0727	1.1474	1.2221	1.2968	1.3715	24.2
35.1-37.0	40.0- 42.2	0.1192	0.2008	0.2830	0.3655	0.4481	0.5310	0.6139	0.6969	0.7799	0.8630	0.9462	1.0294	1.1126	1.1959	1.2792	1.3625	1.4458	1.5292	24.5
37.1-39.0	42.4- 44.7	0.1314	0.2217	0.3128	0.4042	0.4958	0.5876	0.6795	0.7716	0.8636	0.9558	1.0480	1.1402	1.2325	1.3248	1.4171	1.5095	1.6019	1.6944	24.7
39.1-41.0	44.8- 47.1	0.1439	0.2434	0.3438	0.4445	0.5455	0.6467	0.7480	0.8494	0.9510	1.0525	1.1542	1.2559	1.3576	1.4594	1.5612	1.6630	1.7649	1.8668	24.9
41.1-43.0	47.2- 49.6	0.1569	0.2659	0.3759	0.4864	0.5972	0.7081	0.8192	0.9305	1.0418	1.1532	1.2647	1.3762	1.4878	1.5995	1.7111	1.8229	1.9346	2.0464	25.1
43.1-45.0	49.7- 52.0	0.1703	0.2892	0.4093	0.5298	0.6507	0.7718	0.8932	1.0146	1.1361	1.2578	1.3795	1.5013	1.6231	1.7450	1.8669	1.9889	2.1109	2.2330	25.3
45.1-47.0	52.2- 54.5	0.1841	0.3133	0.4437	0.5747	0.7061	0.8378	0.9697	1.1017	1.2339	1.3661	1.4984	1.6309	1.7633	1.8959	2.0284	2.1611	2.2937	2.4264	25.4
47.1-49.0	54.7- 57.0	0.1983	0.3381	0.4792	0.6211	0.7634	0.9060	1.0488	1.1918	1.3349	1.4781	1.6215	1.7649	1.9084	2.0519	2.1955	2.3392	2.4829	2.6266	25.5
49.1-51.0	57.2- 59.5	0.2129	0.3636	0.5158	0.6688	0.8224	0.9763	1.1304	1.2847	1.4392	1.5938	1.7485	1.9033	2.0581	2.2131	2.3681	2.5231	2.6782	2.8334	25.6
51.1-53.0	59.7- 62.1	0.2279	0.3898	0.5534	0.7180	0.8831	1.0486	1.2144	1.3804	1.5466	1.7129	1.8794	2.0459	2.2125	2.3792	2.5460	2.7128	2.8797	3.0467	25.7
53.1-55.0	62.2- 64.6	0.2432	0.4167	0.5921	0.7685	0.9456	1.1231	1.3009	1.4789	1.6572	1.8356	2.0141	2.1927	2.3715	2.5503	2.7292	2.9081	3.0872	3.2662	25.7
55.1-57.0	64.7- 67.2	0.2589	0.4442	0.6317	0.8203	1.0097	1.1995	1.3897	1.5801	1.7708	1.9616	2.1525	2.3436	2.5348	2.7261	2.9175	3.1089	3.3004	3.4920	25.8
57.1-59.0	67.3- 69.7	0.2749	0.4724	0.6723	0.8734	1.0754	1.2779	1.4807	1.6839	1.8873	2.0909	2.2946	2.4985	2.7025	2.9066	3.1108	3.3151	3.5195	3.7239	25.9
59.1-61.0	69.9- 72.3	0.2913	0.5013	0.7138	0.9278	1.1427	1.3581	1.5740	1.7903	2.0067	2.2234	2.4403	2.6573	2.8745	3.0917	3.3091	3.5265	3.7441	3.9617	25.9
61.1-63.0	72.5- 74.9	0.3080	0.5307	0.7563	0.9834	1.2115	1.4403	1.6695	1.8991	2.1290	2.3591	2.5895	2.8199	3.0506	3.2813	3.5122	3.7431	3.9742	4.2053	25.9
63.1-65.0	75.1- 77.5	0.3250	0.5607	0.7996	1.0402	1.2818	1.5242	1.7671	2.0104	2.2541	2.4979	2.7420	2.9863	3.2307	3.4753	3.7200	3.9647	4.2096	4.4546	26.0
65.1-67.0	77.7- 80.2	0.3423	0.5914	0.8438	1.0981	1.3536	1.6099	1.8668	2.1241	2.3818	2.6397	2.8979	3.1563	3.4149	3.6735	3.9324	4.1913	4.4503	4.7094	26.0
67.1-69.0	80.3- 82.8	0.3600	0.6226	0.8889	1.1572	1.4268	1.6973	1.9685	2.2402	2.5122	2.7845	3.0571	3.3299	3.6029	3.8760	4.1493	4.4227	4.6962	4.9698	26.0
69.1-71.0	82.9- 85.5	0.3780	0.6544	0.9348	1.2174	1.5014	1.7865	2.0722	2.3585	2.6451	2.9321	3.2194	3.5069	3.7947	4.0825	4.3706	4.6587	4.9470	5.2354	26.0
71.1-73.0	85.6- 88.1	0.3962	0.6867	0.9815	1.2787	1.5774	1.8772	2.1778	2.4790	2.7806	3.0826	3.3849	3.6874	3.9902	4.2931	4.5962	4.8994	5.2028	5.5063	26.0
73.1-75.0	88.3- 90.8	0.4148	0.7196	1.0290	1.3410	1.6547	1.9696	2.2853	2.6017	2.9186	3.2358	3.5534	3.8712	4.1893	4.5076	4.8260	5.1446	5.4634	5.7822	26.1
75.1-77.0	91.0- 93.5	0.4336	0.7530	1.0772	1.4043	1.7333	2.0635	2.3947	2.7265	3.0589	3.3917	3.7248	4.0583	4.3920	4.7259	5.0600	5.3942	5.7286	6.0632	26.1
77.1-79.0	93.7- 96.3	0.4528	0.7869	1.1262	1.4687	1.8132	2.1590	2.5058	2.8534	3.2016	3.5502	3.8992	4.2485	4.5981	4.9479	5.2979	5.6481	5.9985	6.3490	26.1
79.1-81.0	96.4- 99.0	0.4722	0.8213	1.1760	1.5341	1.8943	2.2560	2.6187	2.9823	3.3465	3.7112	4.0763	4.4418	4.8076	5.1736	5.5398	5.9062	6.2728	6.6395	26.1

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 26. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 1, 3, 4, 5, 6, 12, 13

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.1- 14.2	0.0046	0.0082	0.0118	0.0155	0.0191	0.0228	0.0265	0.0302	0.0338	0.0375	0.0412	0.0449	0.0486	0.0523	0.0560	0.0597	0.0634	0.0671	15.1
13.1-15.0	14.4- 16.5	0.0136	0.0231	0.0328	0.0425	0.0522	0.0619	0.0717	0.0814	0.0912	0.1010	0.1108	0.1205	0.1303	0.1401	0.1499	0.1597	0.1695	0.1793	16.6
15.1-17.0	16.6- 18.8	0.0214	0.0359	0.0506	0.0652	0.0799	0.0947	0.1094	0.1242	0.1389	0.1537	0.1685	0.1833	0.1981	0.2129	0.2277	0.2425	0.2573	0.2721	18.0
17.1-19.0	18.9- 21.1	0.0291	0.0486	0.0682	0.0879	0.1076	0.1273	0.1470	0.1668	0.1866	0.2064	0.2262	0.2460	0.2658	0.2856	0.3054	0.3253	0.3451	0.3650	19.2
19.1-21.0	21.2- 23.3	0.0371	0.0618	0.0867	0.1116	0.1366	0.1616	0.1867	0.2118	0.2369	0.2620	0.2871	0.3122	0.3373	0.3625	0.3876	0.4128	0.4379	0.4631	20.2
21.1-23.0	23.5- 25.7	0.0455	0.0758	0.1063	0.1369	0.1676	0.1983	0.2290	0.2598	0.2906	0.3214	0.3522	0.3830	0.4138	0.4447	0.4755	0.5064	0.5372	0.5681	21.0
23.1-25.0	25.8- 28.0	0.0543	0.0907	0.1272	0.1639	0.2007	0.2375	0.2743	0.3111	0.3480	0.3849	0.4218	0.4588	0.4957	0.5327	0.5697	0.6066	0.6436	0.6806	21.8
25.1-27.0	28.1- 30.3	0.0637	0.1065	0.1495	0.1926	0.2359	0.2792	0.3225	0.3659	0.4093	0.4528	0.4962	0.5397	0.5832	0.6267	0.6702	0.7138	0.7573	0.8009	22.4
27.1-29.0	30.4- 32.7	0.0735	0.1231	0.1731	0.2231	0.2733	0.3235	0.3738	0.4242	0.4745	0.5249	0.5754	0.6258	0.6763	0.7268	0.7773	0.8278	0.8783	0.9288	23.0
29.1-31.0	32.8- 35.1	0.0839	0.1407	0.1979	0.2553	0.3129	0.3705	0.4281	0.4858	0.5436	0.6014	0.6592	0.7171	0.7749	0.8328	0.8907	0.9486	1.0066	1.0645	23.4
31.1-33.0	35.2- 37.4	0.0947	0.1592	0.2241	0.2893	0.3546	0.4199	0.4854	0.5509	0.6165	0.6821	0.7477	0.8134	0.8791	0.9448	1.0106	1.0763	1.1421	1.2079	23.8
33.1-35.0	37.6- 39.8	0.1060	0.1785	0.2515	0.3249	0.3983	0.4719	0.5456	0.6194	0.6932	0.7670	0.8409	0.9148	0.9888	1.0627	1.1367	1.2108	1.2848	1.3589	24.2
35.1-37.0	40.0- 42.2	0.1177	0.1987	0.2802	0.3621	0.4442	0.5264	0.6087	0.6911	0.7735	0.8560	0.9386	1.0212	1.1038	1.1864	1.2691	1.3518	1.4345	1.5173	24.5
37.1-39.0	42.4- 44.7	0.1299	0.2197	0.3102	0.4010	0.4921	0.5833	0.6746	0.7661	0.8576	0.9491	1.0407	1.1324	1.2241	1.3158	1.4076	1.4993	1.5912	1.6830	24.7
39.1-41.0	44.8- 47.1	0.1425	0.2415	0.3413	0.4415	0.5419	0.6426	0.7433	0.8442	0.9452	1.0462	1.1473	1.2484	1.3496	1.4508	1.5520	1.6533	1.7546	1.8560	24.9
41.1-43.0	47.2- 49.6	0.1556	0.2641	0.3735	0.4835	0.5937	0.7042	0.8147	0.9255	1.0363	1.1471	1.2581	1.3691	1.4801	1.5912	1.7024	1.8136	1.9248	2.0360	25.1
43.1-45.0	49.7- 52.0	0.1690	0.2874	0.4069	0.5270	0.6474	0.7680	0.8888	1.0098	1.1308	1.2519	1.3731	1.4944	1.6157	1.7371	1.8585	1.9800	2.1015	2.2230	25.3
45.1-47.0	52.2- 54.5	0.1829	0.3115	0.4414	0.5720	0.7029	0.8341	0.9655	1.0971	1.2287	1.3605	1.4923	1.6242	1.7562	1.8882	2.0203	2.1525	2.2846	2.4168	25.4
47.1-49.0	54.7- 57.0	0.1971	0.3364	0.4770	0.6184	0.7603	0.9024	1.0447	1.1873	1.3299	1.4727	1.6155	1.7585	1.9015	2.0446	2.1877	2.3309	2.4741	2.6173	25.5
49.1-51.0	57.2- 59.5	0.2117	0.3619	0.5137	0.6663	0.8194	0.9728	1.1265	1.2803	1.4344	1.5885	1.7427	1.8971	2.0515	2.2060	2.3605	2.5151	2.6697	2.8244	25.6
51.1-53.0	59.7- 62.1	0.2267	0.3882	0.5514	0.7155	0.8802	1.0453	1.2106	1.3762	1.5419	1.7078	1.8738	2.0399	2.2061	2.3723	2.5387	2.7050	2.8715	3.0380	25.7
53.1-55.0	62.2- 64.6	0.2421	0.4151	0.5901	0.7661	0.9427	1.1198	1.2972	1.4748	1.6526	1.8306	2.0087	2.1869	2.3652	2.5436	2.7220	2.9006	3.0791	3.2578	25.7
55.1-57.0	64.7- 67.2	0.2578	0.4427	0.6297	0.8180	1.0069	1.1963	1.3861	1.5761	1.7663	1.9567	2.1473	2.3380	2.5287	2.7196	2.9105	3.1016	3.2926	3.4838	25.8
57.1-59.0	67.3- 69.7	0.2738	0.4709	0.6704	0.8711	1.0727	1.2747	1.4772	1.6800	1.8830	2.0862	2.2895	2.4930	2.6966	2.9003	3.1041	3.3079	3.5119	3.7159	25.9
59.1-61.0	69.9- 72.3	0.2902	0.4998	0.7119	0.9255	1.1400	1.3551	1.5706	1.7864	2.0025	2.2188	2.4353	2.6519	2.8687	3.0855	3.3025	3.5195	3.7366	3.9538	25.9
61.1-63.0	72.5- 74.9	0.3069	0.5292	0.7544	0.9812	1.2089	1.4373	1.6661	1.8954	2.1249	2.3546	2.5846	2.8147	3.0449	3.2752	3.5057	3.7363	3.9669	4.1976	25.9
63.1-65.0	75.1- 77.5	0.3239	0.5593	0.7978	1.0380	1.2793	1.5213	1.7638	2.0068	2.2500	2.4935	2.7372	2.9811	3.2252	3.4693	3.7136	3.9580	4.2025	4.4471	26.0
65.1-67.0	77.7- 80.2	0.3413	0.5900	0.8420	1.0960	1.3511	1.6070	1.8636	2.1205	2.3778	2.6354	2.8932	3.1512	3.4094	3.6677	3.9262	4.1847	4.4434	4.7021	26.0
67.1-69.0	80.3- 82.8	0.3590	0.6212	0.8871	1.1551	1.4244	1.6945	1.9653	2.2366	2.5083	2.7803	3.0525	3.3249	3.5975	3.8703	4.1432	4.4162	4.6893	4.9626	26.0
69.1-71.0	82.9- 85.5	0.3769	0.6530	0.9330	1.2153	1.4990	1.7837	2.0691	2.3550	2.6413	2.9280	3.2149	3.5021	3.7894	4.0769	4.3646	4.6524	4.9403	5.2283	26.0
71.1-73.0	85.6- 88.1	0.3952	0.6853	0.9797	1.2766	1.5750	1.8745	2.1748	2.4756	2.7769	3.0785	3.3804	3.6826	3.9850	4.2876	4.5903	4.8932	5.1962	5.4993	26.0
73.1-75.0	88.3- 90.8	0.4138	0.7182	1.0273	1.3390	1.6524	1.9669	2.2823	2.5983	2.9149	3.2318	3.5490	3.8665	4.1842	4.5021	4.8202	5.1385	5.4569	5.7754	26.1
75.1-77.0	91.0- 93.5	0.4326	0.7516	1.0755	1.4023	1.7310	2.0609	2.3917	2.7232	3.0552	3.3877	3.7205	4.0536	4.3870	4.7205	5.0543	5.3882	5.7222	6.0564	26.1
77.1-79.0	93.7- 96.3	0.4518	0.7855	1.1246	1.4667	1.8109	2.1564	2.5029	2.8501	3.1980	3.5463	3.8949	4.2439	4.5931	4.9426	5.2923	5.6422	5.9922	6.3423	26.1
79.1-81.0	96.4- 99.0	0.4712	0.8200	1.1744	1.5321	1.8920	2.2534	2.6158	2.9791	3.3430	3.7074	4.0721	4.4373	4.8027	5.1684	5.5343	5.9003	6.2666	6.6330	26.1

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 27. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: 1, 3, 4, 5, 6, 12, 13

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.1- 14.2	0.0006	0.0019	0.0033	0.0046	0.0060	0.0074	0.0087	0.0101	0.0115	0.0129	0.0143	0.0157	0.0171	0.0185	0.0199	0.0213	0.0227	0.0241	15.1
13.1-15.0	14.4- 16.5	0.0095	0.0166	0.0237	0.0309	0.0382	0.0454	0.0527	0.0600	0.0672	0.0745	0.0818	0.0891	0.0964	0.1037	0.1111	0.1184	0.1257	0.1330	16.6
15.1-17.0	16.6- 18.8	0.0187	0.0319	0.0451	0.0584	0.0718	0.0852	0.0986	0.1120	0.1254	0.1388	0.1522	0.1657	0.1791	0.1926	0.2060	0.2195	0.2329	0.2464	18.0
17.1-19.0	18.9- 21.1	0.0271	0.0457	0.0643	0.0830	0.1018	0.1206	0.1394	0.1582	0.1770	0.1959	0.2147	0.2336	0.2524	0.2713	0.2902	0.3091	0.3280	0.3469	19.2
19.1-21.0	21.2- 23.3	0.0355	0.0595	0.0836	0.1078	0.1320	0.1563	0.1806	0.2050	0.2293	0.2537	0.2780	0.3024	0.3268	0.3512	0.3756	0.4000	0.4244	0.4489	20.2
21.1-23.0	23.5- 25.7	0.0441	0.0738	0.1037	0.1337	0.1638	0.1938	0.2240	0.2541	0.2843	0.3144	0.3446	0.3748	0.4050	0.4353	0.4655	0.4957	0.5260	0.5562	21.0
23.1-25.0	25.8- 28.0	0.0531	0.0890	0.1250	0.1611	0.1973	0.2336	0.2699	0.3062	0.3425	0.3789	0.4153	0.4517	0.4881	0.5245	0.5610	0.5974	0.6339	0.6703	21.8
25.1-27.0	28.1- 30.3	0.0626	0.1049	0.1475	0.1901	0.2329	0.2758	0.3186	0.3615	0.4045	0.4474	0.4904	0.5334	0.5764	0.6195	0.6625	0.7056	0.7486	0.7917	22.4
27.1-29.0	30.4- 32.7	0.0726	0.1217	0.1712	0.2209	0.2706	0.3204	0.3703	0.4202	0.4701	0.5201	0.5701	0.6201	0.6702	0.7202	0.7703	0.8204	0.8705	0.9206	23.0
29.1-31.0	32.8- 35.1	0.0830	0.1394	0.1962	0.2533	0.3104	0.3676	0.4249	0.4822	0.5396	0.5970	0.6544	0.7119	0.7693	0.8268	0.8843	0.9419	0.9994	1.0570	23.4
31.1-33.0	35.2- 37.4	0.0939	0.1580	0.2225	0.2873	0.3523	0.4173	0.4824	0.5476	0.6128	0.6780	0.7433	0.8086	0.8739	0.9393	1.0047	1.0701	1.1355	1.2009	23.8
33.1-35.0	37.6- 39.8	0.1052	0.1774	0.2501	0.3231	0.3962	0.4695	0.5428	0.6162	0.6897	0.7632	0.8367	0.9103	0.9839	1.0576	1.1312	1.2049	1.2786	1.3523	24.2
35.1-37.0	40.0- 42.2	0.1170	0.1976	0.2788	0.3604	0.4422	0.5241	0.6061	0.6881	0.7703	0.8524	0.9347	1.0169	1.0992	1.1816	1.2639	1.3463	1.4287	1.5111	24.5
37.1-39.0	42.4- 44.7	0.1292	0.2186	0.3088	0.3994	0.4902	0.5811	0.6721	0.7633	0.8545	0.9457	1.0370	1.1284	1.2198	1.3112	1.4027	1.4942	1.5857	1.6772	24.7
39.1-41.0	44.8- 47.1	0.1418	0.2405	0.3400	0.4399	0.5401	0.6405	0.7409	0.8415	0.9422	1.0430	1.1437	1.2446	1.3455	1.4464	1.5474	1.6484	1.7494	1.8505	24.9
41.1-43.0	47.2- 49.6	0.1549	0.2631	0.3723	0.4820	0.5920	0.7021	0.8125	0.9229	1.0335	1.1441	1.2547	1.3655	1.4763	1.5871	1.6980	1.8089	1.9198	2.0308	25.1
43.1-45.0	49.7- 52.0	0.1684	0.2865	0.4058	0.5256	0.6457	0.7661	0.8866	1.0073	1.1281	1.2490	1.3699	1.4909	1.6120	1.7331	1.8543	1.9755	2.0967	2.2180	25.3
45.1-47.0	52.2- 54.5	0.1823	0.3107	0.4403	0.5706	0.7013	0.8323	0.9634	1.0947	1.2261	1.3576	1.4892	1.6209	1.7526	1.8844	2.0163	2.1481	2.2801	2.4120	25.4
47.1-49.0	54.7- 57.0	0.1965	0.3355	0.4760	0.6171	0.7587	0.9006	1.0427	1.1850	1.3274	1.4700	1.6126	1.7553	1.8981	2.0409	2.1838	2.3267	2.4697	2.6127	25.5
49.1-51.0	57.2- 59.5	0.2111	0.3611	0.5126	0.6650	0.8179	0.9711	1.1245	1.2782	1.4320	1.5859	1.7399	1.8940	2.0482	2.2024	2.3567	2.5111	2.6655	2.8200	25.6
51.1-53.0	59.7- 62.1	0.2261	0.3874	0.5504	0.7143	0.8787	1.0436	1.2087	1.3741	1.5396	1.7053	1.8711	2.0369	2.2029	2.3689	2.5350	2.7012	2.8674	3.0336	25.7
53.1-55.0	62.2- 64.6	0.2415	0.4143	0.5891	0.7649	0.9413	1.1182	1.2954	1.4728	1.6504	1.8281	2.0060	2.1840	2.3621	2.5403	2.7185	2.8968	3.0752	3.2536	25.7
55.1-57.0	64.7- 67.2	0.2572	0.4419	0.6288	0.8168	1.0055	1.1947	1.3843	1.5741	1.7641	1.9543	2.1447	2.3351	2.5257	2.7164	2.9071	3.0979	3.2888	3.4797	25.8
57.1-59.0	67.3- 69.7	0.2733	0.4702	0.6694	0.8700	1.0713	1.2732	1.4755	1.6780	1.8808	2.0838	2.2870	2.4903	2.6937	2.8971	3.1007	3.3044	3.5081	3.7119	25.9
59.1-61.0	69.9- 72.3	0.2897	0.4990	0.7110	0.9244	1.1387	1.3536	1.5689	1.7845	2.0004	2.2166	2.4328	2.6492	2.8658	3.0825	3.2992	3.5161	3.7330	3.9500	25.9
61.1-63.0	72.5- 74.9	0.3064	0.5285	0.7535	0.9801	1.2076	1.4358	1.6645	1.8935	2.1229	2.3524	2.5822	2.8121	3.0421	3.2723	3.5025	3.7329	3.9634	4.1939	25.9
63.1-65.0	75.1- 77.5	0.3234	0.5586	0.7969	1.0369	1.2780	1.5198	1.7622	2.0050	2.2480	2.4914	2.7349	2.9786	3.2225	3.4664	3.7105	3.9547	4.1990	4.4434	26.0
65.1-67.0	77.7- 80.2	0.3408	0.5893	0.8411	1.0949	1.3499	1.6056	1.8620	2.1188	2.3759	2.6333	2.8909	3.1488	3.4067	3.6649	3.9231	4.1815	4.4400	4.6985	26.0
67.1-69.0	80.3- 82.8	0.3585	0.6205	0.8862	1.1540	1.4232	1.6931	1.9638	2.2349	2.5064	2.7782	3.0502	3.3225	3.5949	3.8675	4.1402	4.4131	4.6860	4.9591	26.0
69.1-71.0	82.9- 85.5	0.3764	0.6523	0.9322	1.2143	1.4978	1.7823	2.0676	2.3533	2.6395	2.9259	3.2127	3.4997	3.7869	4.0742	4.3617	4.6493	4.9371	5.2249	26.0
71.1-73.0	85.6- 88.1	0.3947	0.6847	0.9789	1.2756	1.5739	1.8732	2.1733	2.4739	2.7750	3.0765	3.3783	3.6803	3.9825	4.2849	4.5875	4.8902	5.1930	5.4960	26.0
73.1-75.0	88.3- 90.8	0.4133	0.7176	1.0264	1.3380	1.6512	1.9656	2.2808	2.5967	2.9131	3.2298	3.5469	3.8642	4.1818	4.4995	4.8174	5.1355	5.4538	5.7721	26.1
75.1-77.0	91.0- 93.5	0.4321	0.7510	1.0747	1.4014	1.7299	2.0596	2.3903	2.7216	3.0535	3.3858	3.7184	4.0514	4.3845	4.7179	5.0515	5.3853	5.7192	6.0532	26.1
77.1-79.0	93.7- 96.3	0.4513	0.7849	1.1238	1.4658	1.8098	2.1551	2.5015	2.8486	3.1962	3.5444	3.8929	4.2417	4.5908	4.9401	5.2896	5.6393	5.9892	6.3392	26.1
79.1-81.0	96.4- 99.0	0.4707	0.8194	1.1736	1.5312	1.8909	2.2521	2.6144	2.9775	3.3413	3.7055	4.0701	4.4351	4.8004	5.1659	5.5316	5.8975	6.2636	6.6299	26.1

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 31. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.6- 9.7	0.0009	0.0018	0.0026	0.0035	0.0043	0.0051	0.0059	0.0068	0.0076	0.0084	0.0093	0.0101	0.0109	0.0118	0.0126	0.0135	0.0143	0.0151	10.9
9.1-11.0	9.8- 12.0	0.0072	0.0123	0.0176	0.0228	0.0281	0.0334	0.0387	0.0440	0.0493	0.0546	0.0599	0.0652	0.0705	0.0758	0.0811	0.0864	0.0917	0.0971	12.8
11.1-13.0	12.1- 14.2	0.0126	0.0214	0.0302	0.0390	0.0479	0.0568	0.0657	0.0746	0.0835	0.0924	0.1013	0.1102	0.1191	0.1281	0.1370	0.1459	0.1548	0.1638	14.5
13.1-15.0	14.3- 16.5	0.0182	0.0307	0.0433	0.0560	0.0687	0.0814	0.0941	0.1068	0.1195	0.1323	0.1450	0.1578	0.1705	0.1833	0.1961	0.2088	0.2216	0.2344	16.1
15.1-17.0	16.6- 18.8	0.0242	0.0409	0.0577	0.0746	0.0915	0.1084	0.1254	0.1424	0.1593	0.1763	0.1933	0.2104	0.2274	0.2444	0.2614	0.2785	0.2955	0.3126	17.4
17.1-19.0	18.9- 21.1	0.0306	0.0519	0.0734	0.0949	0.1165	0.1382	0.1598	0.1815	0.2032	0.2250	0.2467	0.2684	0.2902	0.3119	0.3337	0.3554	0.3772	0.3990	18.6
19.1-21.0	21.2- 23.3	0.0376	0.0639	0.0905	0.1172	0.1439	0.1707	0.1975	0.2244	0.2513	0.2782	0.3051	0.3320	0.3590	0.3859	0.4129	0.4399	0.4668	0.4938	19.7
21.1-23.0	23.5- 25.6	0.0451	0.0768	0.1089	0.1412	0.1735	0.2060	0.2384	0.2709	0.3035	0.3360	0.3686	0.4012	0.4338	0.4664	0.4990	0.5317	0.5643	0.5970	20.6
23.1-25.0	25.8- 28.0	0.0530	0.0906	0.1287	0.1669	0.2054	0.2438	0.2824	0.3210	0.3596	0.3983	0.4370	0.4757	0.5144	0.5532	0.5919	0.6307	0.6695	0.7083	21.4
25.1-27.0	28.1- 30.3	0.0613	0.1053	0.1497	0.1944	0.2393	0.2843	0.3294	0.3745	0.4197	0.4649	0.5102	0.5554	0.6007	0.6461	0.6914	0.7367	0.7821	0.8275	22.1
27.1-29.0	30.4- 32.6	0.0702	0.1207	0.1719	0.2235	0.2753	0.3272	0.3793	0.4314	0.4835	0.5357	0.5880	0.6403	0.6926	0.7449	0.7973	0.8496	0.9020	0.9544	22.7
29.1-31.0	32.7- 34.9	0.0794	0.1370	0.1954	0.2542	0.3133	0.3726	0.4319	0.4914	0.5510	0.6106	0.6703	0.7300	0.7897	0.8495	0.9093	0.9691	1.0290	1.0888	23.2
31.1-33.0	35.0- 37.3	0.0890	0.1540	0.2199	0.2864	0.3532	0.4202	0.4873	0.5546	0.6220	0.6894	0.7569	0.8245	0.8920	0.9597	1.0273	1.0950	1.1627	1.2305	23.7
33.1-35.0	37.4- 39.6	0.0991	0.1717	0.2456	0.3200	0.3949	0.4700	0.5453	0.6208	0.6963	0.7720	0.8477	0.9235	0.9993	1.0752	1.1511	1.2271	1.3031	1.3791	24.1
35.1-37.0	39.7- 42.0	0.1095	0.1902	0.2722	0.3551	0.4383	0.5220	0.6058	0.6898	0.7740	0.8582	0.9425	1.0269	1.1114	1.1959	1.2805	1.3651	1.4497	1.5344	24.5
37.1-39.0	42.1- 44.3	0.1203	0.2093	0.2999	0.3914	0.4835	0.5759	0.6687	0.7616	0.8547	0.9479	1.0412	1.1346	1.2281	1.3216	1.4152	1.5089	1.6026	1.6963	24.8
39.1-41.0	44.4- 46.7	0.1314	0.2291	0.3286	0.4291	0.5303	0.6319	0.7339	0.8361	0.9384	1.0410	1.1436	1.2464	1.3492	1.4522	1.5551	1.6582	1.7612	1.8644	25.1
41.1-43.0	46.8- 49.1	0.1429	0.2495	0.3581	0.4680	0.5786	0.6897	0.8012	0.9130	1.0251	1.1373	1.2496	1.3621	1.4746	1.5873	1.7000	1.8128	1.9256	2.0385	25.3
43.1-45.0	49.2- 51.5	0.1548	0.2706	0.3886	0.5080	0.6284	0.7493	0.8707	0.9925	1.1145	1.2367	1.3590	1.4815	1.6041	1.7268	1.8496	1.9725	2.0954	2.2184	25.5
45.1-47.0	51.6- 53.9	0.1670	0.2922	0.4199	0.5492	0.6796	0.8107	0.9423	1.0742	1.2065	1.3390	1.4717	1.6046	1.7375	1.8706	2.0038	2.1371	2.2704	2.4039	25.7
47.1-49.0	54.0- 56.3	0.1795	0.3144	0.4521	0.5915	0.7322	0.8737	1.0157	1.1582	1.3011	1.4442	1.5875	1.7310	1.8747	2.0185	2.1624	2.3064	2.4505	2.5947	25.9
49.1-51.0	56.4- 58.7	0.1924	0.3372	0.4850	0.6349	0.7861	0.9382	1.0910	1.2444	1.3981	1.5521	1.7064	1.8608	2.0155	2.1703	2.3252	2.4802	2.6354	2.7906	26.0
51.1-53.0	58.8- 61.1	0.2056	0.3605	0.5188	0.6792	0.8412	1.0043	1.1681	1.3325	1.4974	1.6626	1.8281	1.9938	2.1597	2.3258	2.4920	2.6584	2.8248	2.9914	26.1
53.1-55.0	61.2- 63.5	0.2192	0.3844	0.5532	0.7246	0.8976	1.0718	1.2469	1.4226	1.5989	1.7756	1.9525	2.1298	2.3072	2.4849	2.6627	2.8406	3.0187	3.1969	26.2
55.1-57.0	63.6- 66.0	0.2330	0.4088	0.5884	0.7708	0.9551	1.1407	1.3273	1.5146	1.7025	1.8909	2.0796	2.2686	2.4579	2.6474	2.8370	3.0268	3.2168	3.4069	26.3
57.1-59.0	66.1- 68.4	0.2472	0.4337	0.6243	0.8179	1.0137	1.2109	1.4092	1.6084	1.8082	2.0085	2.2092	2.4102	2.6116	2.8131	3.0149	3.2168	3.4189	3.6211	26.4
59.1-61.0	68.5- 70.8	0.2617	0.4591	0.6608	0.8659	1.0733	1.2824	1.4926	1.7038	1.9157	2.1282	2.3412	2.5545	2.7681	2.9819	3.1961	3.4103	3.6248	3.8394	26.5
61.1-63.0	71.0- 73.3	0.2766	0.4850	0.6981	0.9147	1.1339	1.3550	1.5774	1.8009	2.0251	2.2500	2.4754	2.7012	2.9273	3.1537	3.3804	3.6073	3.8344	4.0616	26.5
63.1-65.0	73.4- 75.8	0.2917	0.5114	0.7359	0.9643	1.1956	1.4288	1.6636	1.8995	2.1363	2.3737	2.6118	2.8502	3.0891	3.3283	3.5678	3.8075	4.0474	4.2876	26.6
65.1-67.0	75.9- 78.2	0.3072	0.5382	0.7743	1.0147	1.2581	1.5037	1.7510	1.9995	2.2490	2.4993	2.7502	3.0016	3.2534	3.5056	3.7581	4.0108	4.2638	4.5170	26.6
67.1-69.0	78.4- 80.7	0.3230	0.5655	0.8134	1.0658	1.3215	1.5797	1.8396	2.1009	2.3633	2.6266	2.8905	3.1550	3.4200	3.6853	3.9510	4.2170	4.4833	4.7497	26.7
69.1-71.0	80.8- 83.2	0.3392	0.5933	0.8530	1.1176	1.3857	1.6566	1.9294	2.2037	2.4792	2.7556	3.0327	3.3105	3.5888	3.8675	4.1466	4.4260	4.7057	4.9856	26.7
71.1-73.0	83.3- 85.7	0.3557	0.6216	0.8932	1.1701	1.4508	1.7344	2.0202	2.3077	2.5964	2.8861	3.1766	3.4679	3.7596	4.0519	4.3446	4.6376	4.9309	5.2245	26.7
73.1-75.0	85.8- 88.2	0.3725	0.6503	0.9340	1.2232	1.5166	1.8132	2.1121	2.4128	2.7149	3.0181	3.3222	3.6270	3.9325	4.2384	4.5448	4.8516	5.1588	5.4662	26.8
75.1-77.0	88.3- 90.7	0.3896	0.6794	0.9752	1.2769	1.5832	1.8928	2.2049	2.5190	2.8347	3.1515	3.4693	3.7879	4.1071	4.4270	4.7473	5.0680	5.3891	5.7105	26.8
77.1-79.0	90.9- 93.2	0.4071	0.7090	1.0170	1.3313	1.6504	1.9732	2.2987	2.6263	2.9556	3.2862	3.6178	3.9503	4.2835	4.6174	4.9517	5.2866	5.6218	5.9573	26.8
79.1-81.0	93.4- 95.8	0.4249	0.7390	1.0593	1.3863	1.7184	2.0544	2.3934	2.7346	3.0776	3.4221	3.7677	4.1142	4.4615	4.8095	5.1581	5.5071	5.8566	6.2065	26.8

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 32. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.1- 14.2	0.0046	0.0081	0.0115	0.0149	0.0183	0.0217	0.0251	0.0285	0.0319	0.0353	0.0387	0.0421	0.0455	0.0489	0.0523	0.0556	0.0590	0.0624	14.5
13.1-15.0	14.3- 16.5	0.0127	0.0223	0.0321	0.0420	0.0519	0.0619	0.0719	0.0819	0.0919	0.1019	0.1119	0.1219	0.1320	0.1420	0.1520	0.1621	0.1721	0.1822	16.1
15.1-17.0	16.6- 18.8	0.0201	0.0348	0.0497	0.0647	0.0797	0.0948	0.1099	0.1250	0.1401	0.1552	0.1704	0.1855	0.2007	0.2158	0.2310	0.2461	0.2613	0.2765	17.4
17.1-19.0	18.9- 21.1	0.0273	0.0470	0.0670	0.0871	0.1072	0.1274	0.1476	0.1678	0.1880	0.2083	0.2286	0.2488	0.2691	0.2894	0.3097	0.3300	0.3503	0.3706	18.6
19.1-21.0	21.2- 23.3	0.0347	0.0598	0.0851	0.1105	0.1360	0.1616	0.1872	0.2129	0.2385	0.2642	0.2899	0.3156	0.3414	0.3671	0.3928	0.4186	0.4443	0.4701	19.7
21.1-23.0	23.5- 25.6	0.0425	0.0732	0.1042	0.1354	0.1666	0.1980	0.2294	0.2609	0.2923	0.3238	0.3554	0.3869	0.4184	0.4500	0.4816	0.5132	0.5447	0.5763	20.6
23.1-25.0	25.8- 28.0	0.0507	0.0873	0.1244	0.1617	0.1992	0.2367	0.2743	0.3120	0.3497	0.3874	0.4252	0.4629	0.5007	0.5385	0.5764	0.6142	0.6520	0.6899	21.4
25.1-27.0	28.1- 30.3	0.0592	0.1022	0.1458	0.1896	0.2337	0.2778	0.3220	0.3663	0.4107	0.4550	0.4994	0.5439	0.5883	0.6328	0.6773	0.7218	0.7663	0.8108	22.1
27.1-29.0	30.4- 32.6	0.0682	0.1179	0.1683	0.2191	0.2701	0.3212	0.3725	0.4238	0.4752	0.5266	0.5781	0.6296	0.6812	0.7327	0.7843	0.8359	0.8875	0.9391	22.7
29.1-31.0	32.7- 34.9	0.0775	0.1343	0.1920	0.2501	0.3084	0.3670	0.4256	0.4844	0.5433	0.6022	0.6611	0.7201	0.7791	0.8382	0.8973	0.9564	1.0155	1.0746	23.2
31.1-33.0	35.0- 37.3	0.0872	0.1515	0.2167	0.2825	0.3486	0.4149	0.4814	0.5480	0.6147	0.6815	0.7483	0.8152	0.8821	0.9491	1.0161	1.0831	1.1501	1.2172	23.7
33.1-35.0	37.4- 39.6	0.0973	0.1693	0.2425	0.3163	0.3905	0.4650	0.5397	0.6145	0.6895	0.7645	0.8396	0.9148	0.9900	1.0652	1.1405	1.2158	1.2912	1.3665	24.1
35.1-37.0	39.7- 42.0	0.1078	0.1879	0.2693	0.3515	0.4342	0.5172	0.6005	0.6839	0.7674	0.8511	0.9348	1.0187	1.1025	1.1865	1.2704	1.3544	1.4385	1.5225	24.5
37.1-39.0	42.1- 44.3	0.1187	0.2071	0.2971	0.3880	0.4795	0.5714	0.6636	0.7560	0.8485	0.9411	1.0339	1.1267	1.2196	1.3126	1.4056	1.4987	1.5918	1.6850	24.8
39.1-41.0	44.4- 46.7	0.1299	0.2270	0.3259	0.4258	0.5264	0.6275	0.7290	0.8306	0.9325	1.0345	1.1366	1.2388	1.3411	1.4435	1.5459	1.6484	1.7510	1.8536	25.1
41.1-43.0	46.8- 49.1	0.1414	0.2474	0.3555	0.4648	0.5749	0.6855	0.7965	0.9078	1.0193	1.1310	1.2429	1.3548	1.4668	1.5790	1.6912	1.8034	1.9157	2.0281	25.3
43.1-45.0	49.2- 51.5	0.1533	0.2685	0.3861	0.5050	0.6248	0.7453	0.8662	0.9874	1.1089	1.2306	1.3525	1.4745	1.5966	1.7188	1.8411	1.9635	2.0859	2.2084	25.5
45.1-47.0	51.6- 53.9	0.1656	0.2902	0.4174	0.5463	0.6761	0.8067	0.9378	1.0693	1.2011	1.3332	1.4654	1.5978	1.7303	1.8629	1.9956	2.1284	2.2613	2.3942	25.7
47.1-49.0	54.0- 56.3	0.1781	0.3125	0.4497	0.5886	0.7288	0.8698	1.0114	1.1535	1.2959	1.4385	1.5814	1.7245	1.8677	2.0110	2.1544	2.2980	2.4416	2.5853	25.9
49.1-51.0	56.4- 58.7	0.1910	0.3353	0.4827	0.6320	0.7828	0.9345	1.0868	1.2397	1.3930	1.5466	1.7004	1.8544	2.0086	2.1630	2.3175	2.4721	2.6267	2.7815	26.0
51.1-53.0	58.8- 61.1	0.2043	0.3587	0.5164	0.6765	0.8380	1.0006	1.1640	1.3280	1.4924	1.6572	1.8223	1.9876	2.1530	2.3187	2.4845	2.6504	2.8164	2.9826	26.1
53.1-55.0	61.2- 63.5	0.2178	0.3826	0.5509	0.7218	0.8944	1.0682	1.2429	1.4182	1.5941	1.7703	1.9469	2.1237	2.3007	2.4780	2.6553	2.8329	3.0105	3.1883	26.2
55.1-57.0	63.6- 66.0	0.2317	0.4070	0.5862	0.7681	0.9520	1.1372	1.3234	1.5103	1.6978	1.8858	2.0741	2.2627	2.4515	2.6406	2.8299	3.0193	3.2088	3.3984	26.3
57.1-59.0	66.1- 68.4	0.2459	0.4319	0.6221	0.8153	1.0106	1.2074	1.4054	1.6041	1.8035	2.0034	2.2038	2.4044	2.6053	2.8065	3.0078	3.2094	3.4111	3.6129	26.4
59.1-61.0	68.5- 70.8	0.2605	0.4573	0.6587	0.8633	1.0703	1.2790	1.4889	1.6997	1.9112	2.1233	2.3358	2.5487	2.7620	2.9755	3.1892	3.4031	3.6172	3.8314	26.5
61.1-63.0	71.0- 73.3	0.2753	0.4832	0.6959	0.9122	1.1310	1.3517	1.5737	1.7968	2.0207	2.2451	2.4701	2.6956	2.9213	3.1474	3.3737	3.6002	3.8269	4.0537	26.5
63.1-65.0	73.4- 75.8	0.2905	0.5096	0.7338	0.9618	1.1926	1.4255	1.6599	1.8954	2.1318	2.3689	2.6066	2.8447	3.0832	3.3221	3.5612	3.8005	4.0401	4.2798	26.6
65.1-67.0	75.9- 78.2	0.3060	0.5365	0.7722	1.0122	1.2552	1.5005	1.7474	1.9955	2.2447	2.4946	2.7451	2.9961	3.2476	3.4994	3.7515	4.0039	4.2565	4.5093	26.6
67.1-69.0	78.4- 80.7	0.3218	0.5638	0.8113	1.0633	1.3186	1.5764	1.8360	2.0970	2.3591	2.6220	2.8855	3.1497	3.4143	3.6793	3.9446	4.2102	4.4761	4.7422	26.7
69.1-71.0	80.8- 83.2	0.3380	0.5916	0.8509	1.1151	1.3829	1.6534	1.9258	2.1998	2.4749	2.7510	3.0278	3.3052	3.5831	3.8615	4.1402	4.4193	4.6986	4.9782	26.7
71.1-73.0	83.3- 85.7	0.3545	0.6199	0.8911	1.1676	1.4480	1.7313	2.0167	2.3038	2.5922	2.8816	3.1718	3.4626	3.7541	4.0460	4.3383	4.6310	4.9239	5.2172	26.7
73.1-75.0	85.8- 88.2	0.3713	0.6486	0.9319	1.2208	1.5139	1.8101	2.1086	2.4090	2.7107	3.0136	3.3174	3.6219	3.9270	4.2326	4.5387	4.8451	5.1519	5.4589	26.8
75.1-77.0	88.3- 90.7	0.3884	0.6778	0.9732	1.2745	1.5804	1.8897	2.2015	2.5153	2.8305	3.1470	3.4645	3.7828	4.1017	4.4212	4.7412	5.0615	5.3823	5.7034	26.8
77.1-79.0	90.9- 93.2	0.4059	0.7073	1.0150	1.3289	1.6477	1.9701	2.2953	2.6226	2.9515	3.2818	3.6131	3.9452	4.2781	4.6116	4.9457	5.2802	5.6150	5.9503	26.8
79.1-81.0	93.4- 95.8	0.4237	0.7374	1.0573	1.3839	1.7157	2.0513	2.3900	2.7309	3.0736	3.4177	3.7630	4.1092	4.4562	4.8039	5.1521	5.5008	5.8500	6.1995	26.8

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 33. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: ASPEN
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.1- 14.2	0.0010	0.0021	0.0032	0.0042	0.0053	0.0063	0.0074	0.0084	0.0095	0.0106	0.0116	0.0127	0.0138	0.0148	0.0159	0.0170	0.0180	0.0191	14.5
13.1-15.0	14.3- 16.5	0.0092	0.0162	0.0234	0.0306	0.0379	0.0452	0.0525	0.0599	0.0673	0.0747	0.0820	0.0895	0.0969	0.1043	0.1117	0.1191	0.1265	0.1340	16.1
15.1-17.0	16.6- 18.8	0.0176	0.0308	0.0443	0.0579	0.0716	0.0853	0.0991	0.1128	0.1266	0.1404	0.1542	0.1681	0.1819	0.1957	0.2096	0.2234	0.2373	0.2511	17.4
17.1-19.0	18.9- 21.1	0.0254	0.0441	0.0631	0.0822	0.1014	0.1207	0.1400	0.1593	0.1786	0.1979	0.2173	0.2366	0.2560	0.2754	0.2947	0.3141	0.3335	0.3529	18.6
19.1-21.0	21.2- 23.3	0.0331	0.0574	0.0819	0.1066	0.1314	0.1563	0.1812	0.2061	0.2311	0.2560	0.2810	0.3060	0.3310	0.3560	0.3810	0.4061	0.4311	0.4562	19.7
21.1-23.0	23.5- 25.6	0.0411	0.0711	0.1015	0.1321	0.1628	0.1935	0.2244	0.2552	0.2861	0.3170	0.3479	0.3788	0.4098	0.4407	0.4717	0.5027	0.5337	0.5647	20.6
23.1-25.0	25.8- 28.0	0.0494	0.0855	0.1221	0.1589	0.1958	0.2328	0.2699	0.3071	0.3443	0.3815	0.4187	0.4560	0.4932	0.5305	0.5678	0.6051	0.6425	0.6798	21.4
25.1-27.0	28.1- 30.3	0.0581	0.1006	0.1437	0.1871	0.2307	0.2743	0.3181	0.3619	0.4058	0.4497	0.4937	0.5376	0.5816	0.6256	0.6697	0.7137	0.7578	0.8019	22.1
27.1-29.0	30.4- 32.6	0.0671	0.1164	0.1664	0.2168	0.2674	0.3181	0.3689	0.4198	0.4708	0.5218	0.5729	0.6240	0.6751	0.7262	0.7774	0.8286	0.8798	0.9310	22.7
29.1-31.0	32.7- 34.9	0.0765	0.1329	0.1902	0.2479	0.3059	0.3641	0.4224	0.4807	0.5392	0.5977	0.6563	0.7149	0.7736	0.8322	0.8909	0.9497	1.0084	1.0672	23.2
31.1-33.0	35.0- 37.3	0.0863	0.1502	0.2150	0.2805	0.3462	0.4122	0.4783	0.5446	0.6110	0.6774	0.7439	0.8104	0.8769	0.9436	1.0102	1.0769	1.1435	1.2103	23.7
33.1-35.0	37.4- 39.6	0.0965	0.1681	0.2409	0.3144	0.3883	0.4625	0.5368	0.6113	0.6860	0.7607	0.8354	0.9103	0.9851	1.0601	1.1350	1.2100	1.2850	1.3601	24.1
35.1-37.0	39.7- 42.0	0.1070	0.1867	0.2678	0.3497	0.4321	0.5148	0.5978	0.6809	0.7641	0.8475	0.9309	1.0144	1.0980	1.1816	1.2653	1.3490	1.4327	1.5165	24.5
37.1-39.0	42.1- 44.3	0.1179	0.2060	0.2957	0.3863	0.4775	0.5691	0.6610	0.7531	0.8453	0.9377	1.0301	1.1227	1.2153	1.3080	1.4007	1.4935	1.5863	1.6792	24.8
39.1-41.0	44.4- 46.7	0.1291	0.2259	0.3245	0.4242	0.5245	0.6253	0.7265	0.8279	0.9295	1.0312	1.1330	1.2350	1.3370	1.4391	1.5413	1.6435	1.7458	1.8481	25.1
41.1-43.0	46.8- 49.1	0.1407	0.2464	0.3542	0.4632	0.5730	0.6834	0.7942	0.9052	1.0164	1.1279	1.2394	1.3511	1.4629	1.5748	1.6867	1.7987	1.9108	2.0229	25.3
43.1-45.0	49.2- 51.5	0.1526	0.2675	0.3848	0.5034	0.6230	0.7432	0.8639	0.9849	1.1061	1.2276	1.3492	1.4710	1.5928	1.7148	1.8368	1.9590	2.0811	2.2034	25.5
45.1-47.0	51.6- 53.9	0.1649	0.2893	0.4162	0.5448	0.6744	0.8048	0.9356	1.0669	1.1985	1.3302	1.4622	1.5944	1.7266	1.8590	1.9915	2.1240	2.2567	2.3894	25.7
47.1-49.0	54.0- 56.3	0.1775	0.3115	0.4485	0.5872	0.7271	0.8679	1.0093	1.1511	1.2933	1.4357	1.5783	1.7212	1.8642	2.0073	2.1505	2.2938	2.4372	2.5806	25.9
49.1-51.0	56.4- 58.7	0.1904	0.3344	0.4815	0.6306	0.7812	0.9326	1.0848	1.2374	1.3905	1.5438	1.6974	1.8513	2.0052	2.1594	2.3136	2.4680	2.6224	2.7770	26.0
51.1-53.0	58.8- 61.1	0.2036	0.3578	0.5153	0.6751	0.8364	0.9988	1.1620	1.3258	1.4900	1.6545	1.8194	1.9845	2.1497	2.3152	2.4808	2.6465	2.8123	2.9782	26.1
53.1-55.0	61.2- 63.5	0.2172	0.3817	0.5498	0.7205	0.8929	1.0665	1.2409	1.4161	1.5917	1.7677	1.9441	2.1207	2.2975	2.4745	2.6517	2.8290	3.0065	3.1840	26.2
55.1-57.0	63.6- 66.0	0.2311	0.4061	0.5851	0.7668	0.9505	1.1355	1.3215	1.5082	1.6955	1.8832	2.0713	2.2597	2.4484	2.6373	2.8263	3.0155	3.2049	3.3943	26.3
57.1-59.0	66.1- 68.4	0.2453	0.4310	0.6210	0.8140	1.0091	1.2058	1.4035	1.6021	1.8013	2.0010	2.2011	2.4015	2.6023	2.8032	3.0044	3.2057	3.4072	3.6088	26.4
59.1-61.0	68.5- 70.8	0.2599	0.4565	0.6576	0.8620	1.0688	1.2773	1.4870	1.6976	1.9090	2.1209	2.3332	2.5459	2.7590	2.9723	3.1858	3.3995	3.6134	3.8274	26.5
61.1-63.0	71.0- 73.3	0.2747	0.4824	0.6948	0.9109	1.1296	1.3501	1.5719	1.7948	2.0185	2.2428	2.4676	2.6928	2.9184	3.1443	3.3704	3.5967	3.8232	4.0499	26.5
63.1-65.0	73.4- 75.8	0.2899	0.5088	0.7327	0.9606	1.1912	1.4239	1.6581	1.8935	2.1297	2.3666	2.6041	2.8420	3.0804	3.3190	3.5579	3.7971	4.0365	4.2760	26.6
65.1-67.0	75.9- 78.2	0.3054	0.5357	0.7712	1.0110	1.2538	1.4989	1.7456	1.9936	2.2426	2.4923	2.7426	2.9935	3.2448	3.4964	3.7484	4.0006	4.2530	4.5056	26.6
67.1-69.0	78.4- 80.7	0.3213	0.5630	0.8103	1.0621	1.3173	1.5749	1.8343	2.0951	2.3570	2.6197	2.8831	3.1471	3.4115	3.6763	3.9415	4.2069	4.4726	4.7386	26.7
69.1-71.0	80.8- 83.2	0.3374	0.5909	0.8500	1.1139	1.3816	1.6519	1.9241	2.1979	2.4729	2.7488	3.0254	3.3026	3.5804	3.8586	4.1372	4.4161	4.6952	4.9746	26.7
71.1-73.0	83.3- 85.7	0.3539	0.6191	0.8902	1.1665	1.4467	1.7298	2.0150	2.3020	2.5902	2.8794	3.1694	3.4601	3.7514	4.0431	4.3353	4.6278	4.9206	5.2136	26.7
73.1-75.0	85.8- 88.2	0.3707	0.6478	0.9309	1.2196	1.5125	1.8086	2.1070	2.4072	2.7087	3.0114	3.3150	3.6194	3.9243	4.2298	4.5357	4.8420	5.1486	5.4555	26.8
75.1-77.0	88.3- 90.7	0.3879	0.6770	0.9722	1.2734	1.5791	1.8882	2.1999	2.5135	2.8286	3.1449	3.4622	3.7803	4.0991	4.4184	4.7382	5.0584	5.3790	5.6999	26.8
77.1-79.0	90.9- 93.2	0.4054	0.7066	1.0141	1.3278	1.6464	1.9687	2.2937	2.6208	2.9496	3.2797	3.6108	3.9428	4.2756	4.6089	4.9428	5.2771	5.6118	5.9469	26.8
79.1-81.0	93.4- 95.8	0.4232	0.7366	1.0564	1.3828	1.7144	2.0499	2.3884	2.7291	3.0717	3.4156	3.7607	4.1068	4.4536	4.8012	5.1492	5.4978	5.8468	6.1961	26.8

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 1. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: 7, 8, 9, 10, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.8- 3.8	0.0005	0.0007	0.0010	0.0012	0.0014	0.0017	0.0019	0.0022	0.0024	0.0027	0.0029	0.0031	0.0034	0.0036	0.0039	0.0041	0.0044	0.0046	2.9
3.1- 5.0	3.9- 6.0	0.0021	0.0031	0.0042	0.0053	0.0063	0.0074	0.0085	0.0096	0.0106	0.0117	0.0128	0.0138	0.0149	0.0160	0.0171	0.0181	0.0192	0.0203	4.9
5.1- 7.0	6.1- 8.1	0.0044	0.0067	0.0090	0.0113	0.0136	0.0159	0.0182	0.0205	0.0228	0.0251	0.0274	0.0297	0.0320	0.0343	0.0366	0.0389	0.0412	0.0435	6.9
7.1- 9.0	8.2- 10.3	0.0076	0.0115	0.0155	0.0194	0.0234	0.0273	0.0313	0.0352	0.0392	0.0431	0.0471	0.0510	0.0550	0.0589	0.0629	0.0668	0.0708	0.0748	8.9
9.1-11.0	10.4- 12.4	0.0115	0.0175	0.0235	0.0296	0.0356	0.0416	0.0476	0.0537	0.0597	0.0657	0.0718	0.0778	0.0838	0.0899	0.0959	0.1019	0.1080	0.1140	10.8
11.1-13.0	12.5- 14.6	0.0162	0.0247	0.0332	0.0417	0.0503	0.0588	0.0673	0.0758	0.0844	0.0929	0.1014	0.1100	0.1185	0.1270	0.1356	0.1441	0.1527	0.1612	12.5
13.1-15.0	14.7- 16.8	0.0216	0.0331	0.0445	0.0560	0.0674	0.0789	0.0903	0.1018	0.1132	0.1247	0.1361	0.1476	0.1591	0.1705	0.1820	0.1934	0.2049	0.2164	14.0
15.1-17.0	16.9- 18.9	0.0278	0.0427	0.0575	0.0723	0.0871	0.1019	0.1166	0.1315	0.1463	0.1611	0.1759	0.1907	0.2055	0.2203	0.2351	0.2500	0.2648	0.2796	15.4
17.1-19.0	19.0- 21.1	0.0348	0.0534	0.0720	0.0906	0.1092	0.1278	0.1463	0.1649	0.1835	0.2021	0.2207	0.2393	0.2579	0.2765	0.2951	0.3137	0.3323	0.3510	16.7
19.1-21.0	21.2- 23.3	0.0426	0.0654	0.0882	0.1110	0.1338	0.1566	0.1794	0.2022	0.2250	0.2479	0.2707	0.2935	0.3163	0.3392	0.3620	0.3848	0.4077	0.4305	17.8
21.1-23.0	23.4- 25.5	0.0512	0.0787	0.1061	0.1336	0.1610	0.1885	0.2160	0.2434	0.2709	0.2984	0.3259	0.3534	0.3809	0.4084	0.4359	0.4634	0.4909	0.5184	18.8
23.1-25.0	25.6- 27.6	0.0605	0.0931	0.1257	0.1582	0.1908	0.2234	0.2560	0.2886	0.3212	0.3538	0.3864	0.4190	0.4516	0.4842	0.5169	0.5495	0.5822	0.6148	19.7
25.1-27.0	27.8- 29.8	0.0707	0.1088	0.1470	0.1851	0.2232	0.2614	0.2995	0.3377	0.3759	0.4140	0.4522	0.4904	0.5286	0.5669	0.6051	0.6433	0.6815	0.7198	20.5
27.1-29.0	29.9- 32.0	0.0816	0.1258	0.1700	0.2141	0.2583	0.3025	0.3467	0.3909	0.4351	0.4793	0.5236	0.5678	0.6121	0.6563	0.7006	0.7449	0.7892	0.8335	21.2
29.1-31.0	32.1- 34.2	0.0934	0.1441	0.1947	0.2454	0.2961	0.3468	0.3975	0.4482	0.4990	0.5497	0.6005	0.6512	0.7020	0.7528	0.8036	0.8544	0.9053	0.9561	21.8
31.1-33.0	34.3- 36.4	0.1060	0.1637	0.2213	0.2790	0.3366	0.3943	0.4520	0.5097	0.5675	0.6252	0.6830	0.7408	0.7986	0.8564	0.9142	0.9721	1.0299	1.0878	22.4
33.1-35.0	36.5- 38.6	0.1195	0.1846	0.2497	0.3148	0.3800	0.4451	0.5103	0.5756	0.6408	0.7061	0.7713	0.8366	0.9019	0.9673	1.0326	1.0979	1.1633	1.2287	22.9
35.1-37.0	38.7- 40.8	0.1338	0.2069	0.2799	0.3530	0.4262	0.4993	0.5725	0.6457	0.7190	0.7922	0.8655	0.9388	1.0121	1.0855	1.1588	1.2322	1.3056	1.3789	23.3
37.1-39.0	40.9- 43.0	0.1490	0.2305	0.3121	0.3936	0.4752	0.5569	0.6386	0.7203	0.8021	0.8839	0.9657	1.0475	1.1293	1.2112	1.2931	1.3750	1.4569	1.5388	23.7
39.1-41.0	43.2- 45.3	0.1651	0.2556	0.3461	0.4367	0.5273	0.6180	0.7087	0.7995	0.8903	0.9811	1.0719	1.1628	1.2537	1.3446	1.4356	1.5265	1.6175	1.7085	24.0
41.1-43.0	45.4- 47.5	0.1822	0.2821	0.3821	0.4822	0.5824	0.6826	0.7829	0.8832	0.9836	1.0840	1.1844	1.2849	1.3853	1.4858	1.5864	1.6869	1.7875	1.8881	24.3
43.1-45.0	47.6- 49.7	0.2001	0.3101	0.4201	0.5303	0.6405	0.7508	0.8612	0.9716	1.0821	1.1926	1.3032	1.4138	1.5244	1.6350	1.7457	1.8564	1.9671	2.0779	24.5
45.1-47.0	49.8- 51.9	0.2191	0.3396	0.4602	0.5809	0.7018	0.8227	0.9438	1.0649	1.1860	1.3072	1.4285	1.5497	1.6710	1.7924	1.9137	2.0351	2.1566	2.2780	24.8
47.1-49.0	52.0- 54.2	0.2390	0.3706	0.5023	0.6342	0.7662	0.8984	1.0307	1.1630	1.2954	1.4278	1.5603	1.6928	1.8254	1.9580	2.0906	2.2233	2.3560	2.4887	25.0
49.1-51.0	54.3- 56.4	0.2599	0.4031	0.5465	0.6901	0.8339	0.9779	1.1219	1.2661	1.4103	1.5546	1.6989	1.8432	1.9877	2.1321	2.2766	2.4211	2.5656	2.7102	25.2
51.1-53.0	56.5- 58.6	0.2818	0.4372	0.5929	0.7488	0.9050	1.0613	1.2177	1.3743	1.5309	1.6876	1.8443	2.0011	2.1579	2.3148	2.4718	2.6287	2.7857	2.9427	25.3
53.1-55.0	58.7- 60.9	0.3048	0.4730	0.6415	0.8103	0.9794	1.1487	1.3181	1.4876	1.6572	1.8270	1.9967	2.1666	2.3364	2.5064	2.6763	2.8464	3.0164	3.1865	25.4
55.1-57.0	61.0- 63.1	0.3288	0.5104	0.6923	0.8746	1.0573	1.2401	1.4231	1.6063	1.7895	1.9729	2.1563	2.3398	2.5233	2.7069	2.8905	3.0742	3.2579	3.4417	25.6
57.1-59.0	63.2- 65.4	0.3539	0.5494	0.7454	0.9419	1.1387	1.3357	1.5329	1.7303	1.9278	2.1254	2.3231	2.5209	2.7187	2.9166	3.1145	3.3125	3.5106	3.7086	25.7
59.1-61.0	65.5- 67.6	0.3802	0.5903	0.8009	1.0121	1.2237	1.4355	1.6476	1.8599	2.0723	2.2848	2.4974	2.7101	2.9228	3.1356	3.3485	3.5615	3.7745	3.9875	25.8
61.1-63.0	67.7- 69.9	0.4075	0.6328	0.8587	1.0853	1.3123	1.5397	1.7673	1.9950	2.2230	2.4510	2.6792	2.9075	3.1358	3.3643	3.5927	3.8213	4.0499	4.2786	25.8
63.1-65.0	70.0- 72.1	0.4361	0.6772	0.9190	1.1616	1.4047	1.6482	1.8920	2.1359	2.3801	2.6244	2.8688	3.1133	3.3579	3.6026	3.8474	4.0922	4.3371	4.5821	25.9
65.1-67.0	72.3- 74.4	0.4659	0.7234	0.9818	1.2411	1.5009	1.7612	2.0218	2.2827	2.5437	2.8049	3.0663	3.3277	3.5893	3.8509	4.1127	4.3745	4.6363	4.8983	26.0
67.1-69.0	74.5- 76.7	0.4968	0.7715	1.0471	1.3237	1.6010	1.8788	2.1570	2.4354	2.7140	2.9928	3.2718	3.5509	3.8301	4.1094	4.3888	4.6682	4.9478	5.2274	26.0
69.1-71.0	76.8- 78.9	0.5291	0.8215	1.1150	1.4097	1.7051	2.0011	2.2975	2.5942	2.8911	3.1882	3.4855	3.7830	4.0805	4.3782	4.6760	4.9738	5.2718	5.5698	26.1
71.1-73.0	79.1- 81.2	0.5626	0.8735	1.1856	1.4990	1.8133	2.1282	2.4435	2.7592	3.0751	3.3913	3.7077	4.0242	4.3408	4.6576	4.9745	5.2914	5.6085	5.9256	26.1
73.1-75.0	81.3- 83.5	0.5975	0.9274	1.2589	1.5917	1.9256	2.2601	2.5951	2.9305	3.2662	3.6022	3.9383	4.2747	4.6112	4.9478	5.2845	5.6213	5.9583	6.2953	26.2
75.1-77.0	83.6- 85.8	0.6337	0.9835	1.3349	1.6879	2.0421	2.3970	2.7524	3.1083	3.4646	3.8210	4.1778	4.5347	4.8917	5.2490	5.6063	5.9638	6.3213	6.6790	26.2
77.1-79.0	85.9- 88.1	0.6713	1.0416	1.4138	1.7877	2.1629	2.5389	2.9156	3.2927	3.6702	4.0480	4.4261	4.8044	5.1828	5.5614	5.9401	6.3190	6.6980	7.0770	26.2
79.1-81.0	88.2- 90.4	0.7104	1.1019	1.4955	1.8911	2.2881	2.6861	3.0847	3.4839	3.8834	4.2833	4.6835	5.0839	5.4845	5.8853	6.2862	6.6873	7.0884	7.4897	26.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 2. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: 1 TO 6, 12, 13, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.9- 3.8	0.0004	0.0007	0.0009	0.0011	0.0013	0.0016	0.0018	0.0020	0.0022	0.0025	0.0027	0.0029	0.0031	0.0034	0.0036	0.0038	0.0040	0.0043	4.2
3.1- 5.0	3.9- 5.9	0.0019	0.0028	0.0038	0.0047	0.0057	0.0067	0.0076	0.0086	0.0096	0.0105	0.0115	0.0125	0.0134	0.0144	0.0154	0.0163	0.0173	0.0183	6.5
5.1- 7.0	6.0- 8.0	0.0041	0.0063	0.0084	0.0105	0.0127	0.0148	0.0170	0.0191	0.0213	0.0234	0.0256	0.0277	0.0299	0.0321	0.0342	0.0364	0.0385	0.0407	8.6
7.1- 9.0	8.1- 10.2	0.0073	0.0110	0.0148	0.0185	0.0223	0.0261	0.0298	0.0336	0.0374	0.0412	0.0450	0.0488	0.0526	0.0564	0.0602	0.0640	0.0678	0.0716	10.4
9.1-11.0	10.3- 12.3	0.0112	0.0170	0.0228	0.0287	0.0345	0.0403	0.0462	0.0520	0.0579	0.0638	0.0696	0.0755	0.0814	0.0873	0.0931	0.0990	0.1049	0.1108	12.0
11.1-13.0	12.4- 14.5	0.0161	0.0243	0.0326	0.0410	0.0493	0.0576	0.0660	0.0743	0.0827	0.0911	0.0995	0.1079	0.1163	0.1247	0.1331	0.1415	0.1499	0.1583	13.5
13.1-15.0	14.6- 16.7	0.0217	0.0329	0.0441	0.0554	0.0666	0.0779	0.0892	0.1005	0.1118	0.1231	0.1344	0.1458	0.1571	0.1685	0.1799	0.1912	0.2026	0.2140	14.8
15.1-17.0	16.8- 18.9	0.0282	0.0427	0.0573	0.0719	0.0865	0.1011	0.1158	0.1304	0.1451	0.1598	0.1745	0.1892	0.2039	0.2187	0.2334	0.2482	0.2630	0.2777	15.9
17.1-19.0	19.0- 21.1	0.0355	0.0538	0.0721	0.0904	0.1088	0.1272	0.1457	0.1641	0.1826	0.2011	0.2196	0.2381	0.2566	0.2752	0.2937	0.3123	0.3309	0.3495	17.0
19.1-21.0	21.3- 23.4	0.0436	0.0660	0.0885	0.1110	0.1336	0.1562	0.1789	0.2015	0.2242	0.2469	0.2696	0.2924	0.3151	0.3379	0.3607	0.3835	0.4063	0.4291	17.9
21.1-23.0	23.5- 25.7	0.0525	0.0795	0.1066	0.1337	0.1609	0.1881	0.2153	0.2426	0.2699	0.2973	0.3246	0.3520	0.3794	0.4068	0.4342	0.4617	0.4892	0.5166	18.8
23.1-25.0	25.8- 28.0	0.0623	0.0942	0.1263	0.1584	0.1906	0.2228	0.2551	0.2874	0.3197	0.3521	0.3845	0.4169	0.4494	0.4818	0.5143	0.5468	0.5794	0.6119	19.5
25.1-27.0	28.1- 30.3	0.0728	0.1101	0.1475	0.1851	0.2227	0.2603	0.2980	0.3358	0.3735	0.4114	0.4492	0.4871	0.5250	0.5629	0.6009	0.6389	0.6769	0.7149	20.2
27.1-29.0	30.5- 32.7	0.0841	0.1272	0.1704	0.2137	0.2571	0.3006	0.3441	0.3877	0.4314	0.4750	0.5187	0.5625	0.6062	0.6500	0.6939	0.7377	0.7816	0.8255	20.8
29.1-31.0	32.8- 35.1	0.0962	0.1454	0.1948	0.2444	0.2940	0.3437	0.3934	0.4433	0.4931	0.5430	0.5930	0.6430	0.6930	0.7431	0.7932	0.8434	0.8935	0.9438	21.4
31.1-33.0	35.2- 37.5	0.1091	0.1649	0.2208	0.2770	0.3332	0.3895	0.4459	0.5023	0.5588	0.6154	0.6720	0.7287	0.7854	0.8421	0.8989	0.9557	1.0126	1.0695	21.9
33.1-35.0	37.6- 39.9	0.1227	0.1854	0.2484	0.3115	0.3747	0.4380	0.5014	0.5649	0.6285	0.6921	0.7557	0.8194	0.8832	0.9470	1.0108	1.0747	1.1387	1.2026	22.4
35.1-37.0	40.1- 42.4	0.1372	0.2072	0.2775	0.3480	0.4186	0.4893	0.5601	0.6310	0.7019	0.7730	0.8441	0.9152	0.9864	1.0577	1.1290	1.2004	1.2718	1.3432	22.8
37.1-39.0	42.5- 44.9	0.1524	0.2301	0.3081	0.3863	0.4647	0.5432	0.6218	0.7005	0.7793	0.8581	0.9370	1.0160	1.0951	1.1742	1.2533	1.3325	1.4118	1.4911	23.2
39.1-41.0	45.0- 47.4	0.1683	0.2541	0.3403	0.4266	0.5131	0.5998	0.6866	0.7734	0.8604	0.9474	1.0346	1.1218	1.2090	1.2964	1.3838	1.4712	1.5587	1.6463	23.5
41.1-43.0	47.5- 49.9	0.1850	0.2793	0.3739	0.4688	0.5638	0.6590	0.7544	0.8498	0.9453	1.0409	1.1367	1.2325	1.3283	1.4243	1.5203	1.6164	1.7125	1.8087	23.8
43.1-45.0	50.0- 52.4	0.2025	0.3056	0.4091	0.5128	0.6168	0.7209	0.8251	0.9295	1.0340	1.1386	1.2433	1.3480	1.4529	1.5578	1.6629	1.7679	1.8731	1.9783	24.1
45.1-47.0	52.6- 55.0	0.2207	0.3330	0.4457	0.5587	0.6719	0.7853	0.8989	1.0126	1.1264	1.2403	1.3544	1.4685	1.5827	1.6970	1.8114	1.9259	2.0404	2.1550	24.3
47.1-49.0	55.1- 57.6	0.2397	0.3615	0.4838	0.6065	0.7293	0.8524	0.9756	1.0990	1.2225	1.3461	1.4699	1.5937	1.7177	1.8417	1.9659	2.0901	2.2144	2.3388	24.5
49.1-51.0	57.7- 60.2	0.2594	0.3911	0.5234	0.6560	0.7889	0.9220	1.0553	1.1887	1.3223	1.4560	1.5898	1.7238	1.8579	1.9920	2.1263	2.2606	2.3951	2.5296	24.8
51.1-53.0	60.4- 62.9	0.2799	0.4219	0.5645	0.7074	0.8507	0.9942	1.1379	1.2817	1.4257	1.5699	1.7142	1.8586	2.0031	2.1478	2.2925	2.4374	2.5823	2.7273	24.9
53.1-55.0	63.0- 65.5	0.3011	0.4537	0.6070	0.7607	0.9147	1.0689	1.2233	1.3780	1.5328	1.6878	1.8429	1.9981	2.1535	2.3090	2.4646	2.6203	2.7761	2.9320	25.1
55.1-57.0	65.7- 68.2	0.3230	0.4866	0.6509	0.8157	0.9808	1.1461	1.3117	1.4775	1.6435	1.8096	1.9759	2.1423	2.3089	2.4756	2.6424	2.8093	2.9764	3.1435	25.3
57.1-59.0	68.3- 70.9	0.3457	0.5206	0.6963	0.8725	1.0490	1.2258	1.4029	1.5802	1.7577	1.9353	2.1132	2.2911	2.4693	2.6475	2.8259	3.0045	3.1831	3.3618	25.4
59.1-61.0	71.1- 73.7	0.3691	0.5556	0.7431	0.9310	1.1194	1.3080	1.4970	1.6861	1.8755	2.0650	2.2547	2.4446	2.6347	2.8248	3.0152	3.2056	3.3962	3.5869	25.5
61.1-63.0	73.8- 76.4	0.3932	0.5918	0.7913	0.9914	1.1919	1.3927	1.5938	1.7952	1.9968	2.1985	2.4005	2.6027	2.8050	3.0074	3.2101	3.4128	3.6157	3.8187	25.6
63.1-65.0	76.6- 79.2	0.4180	0.6290	0.8409	1.0535	1.2665	1.4798	1.6935	1.9074	2.1216	2.3359	2.5505	2.7653	2.9802	3.1953	3.4106	3.6260	3.8415	4.0572	25.7
65.1-67.0	79.3- 82.0	0.4436	0.6672	0.8919	1.1173	1.3432	1.5694	1.7959	2.0228	2.2498	2.4771	2.7047	2.9324	3.1603	3.3884	3.6166	3.8450	4.0736	4.3023	25.8
67.1-69.0	82.1- 84.8	0.4698	0.7065	0.9443	1.1829	1.4219	1.6614	1.9011	2.1412	2.3816	2.6221	2.8630	3.1040	3.3452	3.5866	3.8282	4.0700	4.3119	4.5540	25.9
69.1-71.0	85.0- 87.7	0.4968	0.7468	0.9981	1.2502	1.5027	1.7557	2.0091	2.2628	2.5167	2.7709	3.0254	3.2801	3.5349	3.7900	4.0453	4.3008	4.5564	4.8122	26.0
71.1-73.0	87.8- 90.6	0.5245	0.7882	1.0533	1.3192	1.5856	1.8525	2.1198	2.3874	2.6553	2.9234	3.1919	3.4605	3.7294	3.9985	4.2678	4.5373	4.8070	5.0769	26.0
73.1-75.0	90.7- 93.5	0.5529	0.8306	1.1098	1.3898	1.6705	1.9516	2.2331	2.5150	2.7972	3.0797	3.3624	3.6454	3.9287	4.2121	4.4958	4.7797	5.0637	5.3480	26.1
75.1-77.0	93.6- 96.4	0.5820	0.8740	1.1677	1.4622	1.7574	2.0531	2.3492	2.6457	2.9425	3.2396	3.5370	3.8347	4.1326	4.4308	4.7291	5.0277	5.3265	5.6255	26.2
77.1-79.0	96.5- 99.3	0.6118	0.9185	1.2269	1.5363	1.8463	2.1569	2.4679	2.7794	3.0911	3.4032	3.7156	4.0283	4.3412	4.6544	4.9678	5.2814	5.5953	5.9093	26.2
79.1-81.0	99.5-102.3	0.6422	0.9640	1.2875	1.6120	1.9372	2.2630	2.5893	2.9160	3.2431	3.5705	3.8982	4.2262	4.5545	4.8830	5.2118	5.5408	5.8700	6.1995	26.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 3. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.8- 3.8	0.0004	0.0007	0.0009	0.0011	0.0014	0.0016	0.0018	0.0021	0.0023	0.0025	0.0028	0.0030	0.0032	0.0035	0.0037	0.0039	0.0042	0.0044	3.8
3.1- 5.0	3.9- 5.9	0.0020	0.0030	0.0040	0.0050	0.0060	0.0071	0.0081	0.0091	0.0101	0.0112	0.0122	0.0132	0.0142	0.0153	0.0163	0.0173	0.0183	0.0194	6.1
5.1- 7.0	6.0- 8.0	0.0043	0.0065	0.0087	0.0110	0.0132	0.0154	0.0177	0.0199	0.0221	0.0244	0.0266	0.0288	0.0311	0.0333	0.0355	0.0378	0.0400	0.0423	8.1
7.1- 9.0	8.1- 10.2	0.0074	0.0113	0.0151	0.0190	0.0229	0.0268	0.0306	0.0345	0.0384	0.0423	0.0462	0.0501	0.0539	0.0578	0.0617	0.0656	0.0695	0.0734	9.9
9.1-11.0	10.3- 12.3	0.0114	0.0173	0.0232	0.0292	0.0351	0.0411	0.0470	0.0530	0.0589	0.0649	0.0709	0.0768	0.0828	0.0888	0.0948	0.1007	0.1067	0.1127	11.6
11.1-13.0	12.4- 14.5	0.0161	0.0246	0.0330	0.0414	0.0499	0.0583	0.0668	0.0752	0.0837	0.0922	0.1006	0.1091	0.1176	0.1261	0.1346	0.1431	0.1516	0.1601	13.0
13.1-15.0	14.6- 16.7	0.0217	0.0330	0.0444	0.0557	0.0671	0.0785	0.0898	0.1012	0.1126	0.1240	0.1354	0.1468	0.1583	0.1697	0.1811	0.1926	0.2040	0.2154	14.4
15.1-17.0	16.8- 18.9	0.0280	0.0427	0.0574	0.0721	0.0868	0.1015	0.1162	0.1310	0.1457	0.1605	0.1753	0.1900	0.2048	0.2196	0.2344	0.2492	0.2640	0.2788	15.6
17.1-19.0	19.0- 21.1	0.0352	0.0536	0.0720	0.0905	0.1090	0.1274	0.1460	0.1645	0.1830	0.2015	0.2201	0.2387	0.2572	0.2758	0.2944	0.3130	0.3316	0.3502	16.7
19.1-21.0	21.2- 23.4	0.0431	0.0657	0.0883	0.1109	0.1336	0.1563	0.1790	0.2017	0.2244	0.2472	0.2699	0.2927	0.3155	0.3383	0.3611	0.3839	0.4067	0.4296	17.7
21.1-23.0	23.5- 25.6	0.0518	0.0790	0.1062	0.1334	0.1607	0.1880	0.2153	0.2427	0.2700	0.2974	0.3248	0.3522	0.3796	0.4071	0.4345	0.4620	0.4894	0.5169	18.5
23.1-25.0	25.8- 27.9	0.0612	0.0935	0.1257	0.1580	0.1903	0.2227	0.2550	0.2874	0.3198	0.3522	0.3847	0.4172	0.4496	0.4821	0.5147	0.5472	0.5797	0.6123	19.3
25.1-27.0	28.0- 30.2	0.0715	0.1092	0.1469	0.1846	0.2224	0.2602	0.2980	0.3359	0.3738	0.4117	0.4496	0.4876	0.5256	0.5635	0.6016	0.6396	0.6776	0.7157	20.1
27.1-29.0	30.3- 32.5	0.0825	0.1261	0.1696	0.2133	0.2569	0.3006	0.3444	0.3881	0.4319	0.4758	0.5196	0.5635	0.6074	0.6513	0.6952	0.7392	0.7832	0.8272	20.7
29.1-31.0	32.6- 34.8	0.0943	0.1442	0.1941	0.2440	0.2940	0.3440	0.3941	0.4442	0.4943	0.5445	0.5947	0.6449	0.6951	0.7454	0.7957	0.8460	0.8964	0.9467	21.3
31.1-33.0	35.0- 37.2	0.1069	0.1635	0.2201	0.2768	0.3335	0.3903	0.4472	0.5040	0.5609	0.6179	0.6748	0.7318	0.7889	0.8459	0.9030	0.9601	1.0173	1.0744	21.9
33.1-35.0	37.3- 39.5	0.1203	0.1840	0.2478	0.3117	0.3756	0.4396	0.5036	0.5677	0.6318	0.6959	0.7601	0.8243	0.8886	0.9529	1.0172	1.0815	1.1459	1.2103	22.3
35.1-37.0	39.7- 41.9	0.1344	0.2058	0.2772	0.3487	0.4202	0.4918	0.5635	0.6352	0.7069	0.7787	0.8505	0.9224	0.9943	1.0663	1.1383	1.2103	1.2823	1.3544	22.8
37.1-39.0	42.0- 44.3	0.1494	0.2288	0.3082	0.3878	0.4673	0.5470	0.6267	0.7065	0.7863	0.8662	0.9462	1.0261	1.1061	1.1862	1.2663	1.3464	1.4266	1.5068	23.2
39.1-41.0	44.4- 46.7	0.1651	0.2530	0.3409	0.4289	0.5170	0.6052	0.6934	0.7817	0.8701	0.9585	1.0470	1.1355	1.2240	1.3126	1.4013	1.4900	1.5787	1.6675	23.5
41.1-43.0	46.8- 49.1	0.1817	0.2785	0.3753	0.4723	0.5693	0.6664	0.7636	0.8609	0.9582	1.0556	1.1530	1.2505	1.3481	1.4457	1.5433	1.6410	1.7387	1.8365	23.8
43.1-45.0	49.3- 51.6	0.1990	0.3052	0.4114	0.5177	0.6241	0.7306	0.8372	0.9439	1.0506	1.1574	1.2643	1.3713	1.4783	1.5853	1.6924	1.7995	1.9067	2.0140	24.1
45.1-47.0	51.7- 54.0	0.2171	0.3331	0.4491	0.5653	0.6815	0.7979	0.9143	1.0309	1.1475	1.2642	1.3809	1.4978	1.6146	1.7316	1.8486	1.9656	2.0828	2.1999	24.4
47.1-49.0	54.2- 56.5	0.2361	0.3623	0.4886	0.6150	0.7416	0.8682	0.9950	1.1218	1.2488	1.3758	1.5029	1.6301	1.7573	1.8846	2.0119	2.1394	2.2668	2.3944	24.6
49.1-51.0	56.6- 59.0	0.2558	0.3928	0.5298	0.6669	0.8042	0.9416	1.0792	1.2168	1.3545	1.4923	1.6302	1.7682	1.9062	2.0443	2.1825	2.3207	2.4590	2.5974	24.8
51.1-53.0	59.1- 61.5	0.2764	0.4245	0.5727	0.7210	0.8695	1.0182	1.1669	1.3158	1.4647	1.6138	1.7629	1.9122	2.0615	2.2109	2.3603	2.5098	2.6594	2.8091	25.0
53.1-55.0	61.6- 64.0	0.2977	0.4575	0.6173	0.7773	0.9375	1.0978	1.2582	1.4188	1.5795	1.7402	1.9011	2.0620	2.2231	2.3842	2.5454	2.7067	2.8681	3.0295	25.2
55.1-57.0	64.2- 66.6	0.3199	0.4918	0.6637	0.8359	1.0081	1.1806	1.3532	1.5259	1.6987	1.8717	2.0447	2.2179	2.3911	2.5645	2.7379	2.9114	3.0850	3.2586	25.4
57.1-59.0	66.7- 69.1	0.3429	0.5274	0.7119	0.8966	1.0815	1.2665	1.4518	1.6371	1.8226	2.0082	2.1939	2.3797	2.5656	2.7517	2.9378	3.1240	3.3103	3.4966	25.5
59.1-61.0	69.3- 71.7	0.3668	0.5642	0.7618	0.9596	1.1575	1.3557	1.5540	1.7524	1.9510	2.1498	2.3486	2.5476	2.7467	2.9458	3.1451	3.3445	3.5439	3.7435	25.7
61.1-63.0	71.8- 74.3	0.3915	0.6024	0.8135	1.0248	1.2363	1.4480	1.6599	1.8720	2.0842	2.2965	2.5090	2.7215	2.9342	3.1471	3.3600	3.5730	3.7861	3.9993	25.8
63.1-65.0	74.4- 76.9	0.4170	0.6419	0.8670	1.0923	1.3178	1.5436	1.7695	1.9957	2.2219	2.4484	2.6749	2.9016	3.1284	3.3554	3.5824	3.8096	4.0368	4.2642	25.9
65.1-67.0	77.0- 79.5	0.4434	0.6827	0.9223	1.1621	1.4021	1.6424	1.8829	2.1236	2.3644	2.6054	2.8466	3.0879	3.3293	3.5708	3.8125	4.0543	4.2962	4.5381	26.0
67.1-69.0	79.7- 82.2	0.4706	0.7249	0.9794	1.2342	1.4892	1.7445	2.0000	2.2557	2.5116	2.7677	3.0239	3.2803	3.5368	3.7935	4.0502	4.3071	4.5641	4.8213	26.1
69.1-71.0	82.3- 84.8	0.4986	0.7684	1.0383	1.3086	1.5791	1.8499	2.1210	2.3922	2.6637	2.9353	3.2071	3.4790	3.7511	4.0234	4.2957	4.5682	4.8409	5.1136	26.1
71.1-73.0	85.0- 87.5	0.5276	0.8132	1.0991	1.3853	1.6719	1.9587	2.2457	2.5330	2.8205	3.1082	3.3960	3.6840	3.9722	4.2606	4.5490	4.8377	5.1264	5.4153	26.2
73.1-75.0	87.6- 90.2	0.5574	0.8594	1.1617	1.4644	1.7674	2.0707	2.3743	2.6781	2.9822	3.2864	3.5908	3.8954	4.2002	4.5051	4.8102	5.1155	5.4208	5.7263	26.3
75.1-77.0	90.3- 92.9	0.5880	0.9070	1.2263	1.5459	1.8659	2.1862	2.5068	2.8276	3.1487	3.4700	3.7915	4.1132	4.4351	4.7571	5.0793	5.4017	5.7242	6.0468	26.3
77.1-79.0	93.0- 95.6	0.6196	0.9560	1.2926	1.6297	1.9672	2.3050	2.6432	2.9816	3.3202	3.6591	3.9982	4.3374	4.6769	5.0166	5.3564	5.6964	6.0365	6.3768	26.4
79.1-81.0	95.7- 98.4	0.6520	1.0063	1.3609	1.7160	2.0715	2.4273	2.7835	3.1399	3.4967	3.8536	4.2108	4.5682	4.9258	5.2836	5.6416	5.9997	6.3580	6.7165	26.4

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 5. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: 7, 8, 9, 10, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	8.2- 10.3	0.0006	0.0014	0.0023	0.0032	0.0041	0.0049	0.0058	0.0067	0.0076	0.0085	0.0094	0.0103	0.0112	0.0121	0.0130	0.0139	0.0148	0.0158	8.9
9.1-11.0	10.4- 12.4	0.0056	0.0095	0.0134	0.0174	0.0214	0.0253	0.0293	0.0333	0.0373	0.0413	0.0453	0.0493	0.0533	0.0573	0.0613	0.0653	0.0693	0.0733	10.8
11.1-13.0	12.5- 14.6	0.0106	0.0175	0.0245	0.0316	0.0386	0.0457	0.0528	0.0598	0.0669	0.0740	0.0811	0.0882	0.0953	0.1024	0.1095	0.1166	0.1237	0.1308	12.5
13.1-15.0	14.7- 16.8	0.0156	0.0258	0.0360	0.0462	0.0565	0.0667	0.0770	0.0873	0.0976	0.1079	0.1182	0.1285	0.1388	0.1491	0.1595	0.1698	0.1801	0.1904	14.0
15.1-17.0	16.9- 18.9	0.0211	0.0347	0.0484	0.0621	0.0759	0.0897	0.1035	0.1173	0.1311	0.1449	0.1587	0.1726	0.1864	0.2003	0.2141	0.2280	0.2418	0.2557	15.4
17.1-19.0	19.0- 21.1	0.0270	0.0445	0.0620	0.0796	0.0973	0.1149	0.1326	0.1503	0.1680	0.1857	0.2035	0.2212	0.2389	0.2567	0.2744	0.2922	0.3100	0.3277	16.7
19.1-21.0	21.2- 23.3	0.0335	0.0552	0.0770	0.0989	0.1208	0.1428	0.1647	0.1867	0.2087	0.2307	0.2528	0.2748	0.2968	0.3189	0.3410	0.3630	0.3851	0.4072	17.8
21.1-23.0	23.4- 25.5	0.0406	0.0670	0.0934	0.1200	0.1466	0.1733	0.1999	0.2266	0.2534	0.2801	0.3068	0.3336	0.3604	0.3871	0.4139	0.4407	0.4675	0.4943	18.8
23.1-25.0	25.6- 27.6	0.0483	0.0797	0.1113	0.1430	0.1747	0.2065	0.2383	0.2702	0.3020	0.3339	0.3658	0.3978	0.4297	0.4616	0.4936	0.5255	0.5575	0.5895	19.7
25.1-27.0	27.8- 29.8	0.0565	0.0935	0.1306	0.1679	0.2052	0.2426	0.2800	0.3174	0.3549	0.3924	0.4299	0.4674	0.5050	0.5425	0.5801	0.6177	0.6552	0.6928	20.5
27.1-29.0	29.9- 32.0	0.0654	0.1083	0.1515	0.1947	0.2381	0.2815	0.3250	0.3685	0.4120	0.4555	0.4991	0.5427	0.5863	0.6299	0.6736	0.7172	0.7609	0.8046	21.2
29.1-31.0	32.1- 34.2	0.0748	0.1242	0.1738	0.2236	0.2735	0.3234	0.3734	0.4234	0.4734	0.5235	0.5736	0.6237	0.6739	0.7241	0.7742	0.8244	0.8747	0.9249	21.8
31.1-33.0	34.3- 36.4	0.0849	0.1412	0.1978	0.2545	0.3114	0.3683	0.4252	0.4822	0.5393	0.5964	0.6535	0.7107	0.7678	0.8250	0.8822	0.9394	0.9967	1.0540	22.4
33.1-35.0	36.5- 38.6	0.0957	0.1593	0.2233	0.2875	0.3518	0.4162	0.4806	0.5451	0.6097	0.6743	0.7389	0.8035	0.8682	0.9329	0.9977	1.0624	1.1272	1.1919	22.9
35.1-37.0	38.7- 40.8	0.1070	0.1786	0.2505	0.3226	0.3949	0.4672	0.5397	0.6121	0.6847	0.7573	0.8299	0.9026	0.9752	1.0480	1.1207	1.1935	1.2662	1.3391	23.3
37.1-39.0	40.9- 43.0	0.1191	0.1990	0.2793	0.3599	0.4406	0.5214	0.6024	0.6833	0.7644	0.8455	0.9266	1.0078	1.0890	1.1702	1.2515	1.3328	1.4141	1.4955	23.7
39.1-41.0	43.2- 45.3	0.1318	0.2205	0.3098	0.3993	0.4890	0.5789	0.6688	0.7588	0.8489	0.9390	1.0292	1.1194	1.2096	1.2999	1.3902	1.4806	1.5710	1.6614	24.0
41.1-43.0	45.4- 47.5	0.1451	0.2433	0.3420	0.4410	0.5402	0.6396	0.7391	0.8386	0.9382	1.0379	1.1377	1.2374	1.3373	1.4371	1.5370	1.6370	1.7369	1.8369	24.3
43.1-45.0	47.6- 49.7	0.1592	0.2672	0.3759	0.4850	0.5943	0.7037	0.8132	0.9229	1.0326	1.1424	1.2522	1.3621	1.4721	1.5821	1.6921	1.8022	1.9123	2.0224	24.5
45.1-47.0	49.8- 51.9	0.1739	0.2924	0.4117	0.5313	0.6512	0.7712	0.8914	1.0116	1.1320	1.2525	1.3730	1.4935	1.6142	1.7348	1.8556	1.9763	2.0971	2.2179	24.8
47.1-49.0	52.0- 54.2	0.1893	0.3188	0.4492	0.5799	0.7110	0.8422	0.9736	1.1050	1.2366	1.3683	1.5000	1.6319	1.7637	1.8956	2.0276	2.1596	2.2917	2.4238	25.0
49.1-51.0	54.3- 56.4	0.2055	0.3465	0.4885	0.6310	0.7738	0.9167	1.0599	1.2031	1.3465	1.4900	1.6335	1.7772	1.9209	2.0646	2.2084	2.3523	2.4962	2.6401	25.2
51.1-53.0	56.5- 58.6	0.2223	0.3755	0.5298	0.6845	0.8396	0.9949	1.1504	1.3060	1.4618	1.6177	1.7736	1.9297	2.0858	2.2419	2.3982	2.5544	2.7108	2.8671	25.3
53.1-55.0	58.7- 60.9	0.2399	0.4059	0.5729	0.7405	0.9085	1.0768	1.2452	1.4138	1.5826	1.7514	1.9204	2.0894	2.2586	2.4278	2.5970	2.7663	2.9357	3.1051	25.4
55.1-57.0	61.0- 63.1	0.2583	0.4375	0.6180	0.7991	0.9806	1.1624	1.3444	1.5266	1.7090	1.8914	2.0740	2.2567	2.4395	2.6223	2.8052	2.9882	3.1712	3.3543	25.6
57.1-59.0	63.2- 65.4	0.2774	0.4706	0.6650	0.8602	1.0559	1.2519	1.4481	1.6445	1.8411	2.0378	2.2346	2.4315	2.6286	2.8257	3.0229	3.2201	3.4174	3.6148	25.7
59.1-61.0	65.5- 67.6	0.2974	0.5050	0.7141	0.9240	1.1345	1.3452	1.5563	1.7676	1.9790	2.1906	2.4023	2.6142	2.8261	3.0381	3.2502	3.4624	3.6746	3.8870	25.8
61.1-63.0	67.7- 69.9	0.3181	0.5408	0.7653	0.9905	1.2164	1.4426	1.6692	1.8959	2.1229	2.3500	2.5773	2.8047	3.0322	3.2598	3.4875	3.7152	3.9431	4.1710	25.8
63.1-65.0	70.0- 72.1	0.3396	0.5781	0.8185	1.0598	1.3017	1.5441	1.7868	2.0297	2.2729	2.5162	2.7597	3.0033	3.2470	3.4909	3.7348	3.9788	4.2229	4.4671	25.9
65.1-67.0	72.3- 74.4	0.3619	0.6169	0.8739	1.1319	1.3905	1.6497	1.9092	2.1690	2.4290	2.6892	2.9496	3.2101	3.4708	3.7316	3.9924	4.2534	4.5145	4.7756	26.0
67.1-69.0	74.5- 76.7	0.3851	0.6572	0.9314	1.2068	1.4829	1.7595	2.0366	2.3139	2.5915	2.8693	3.1473	3.4254	3.7037	3.9821	4.2606	4.5392	4.8179	5.0967	26.0
69.1-71.0	76.8- 78.9	0.4092	0.6990	0.9912	1.2846	1.5789	1.8737	2.1690	2.4646	2.7604	3.0565	3.3528	3.6492	3.9459	4.2426	4.5395	4.8364	5.1335	5.4307	26.1
71.1-73.0	79.1- 81.2	0.4341	0.7424	1.0532	1.3655	1.6786	1.9923	2.3065	2.6211	2.9359	3.2510	3.5663	3.8818	4.1975	4.5133	4.8293	5.1454	5.4615	5.7778	26.1
73.1-75.0	81.3- 83.5	0.4600	0.7874	1.1176	1.4493	1.7820	2.1154	2.4492	2.7835	3.1181	3.4530	3.7881	4.1234	4.4589	4.7945	5.1303	5.4662	5.8022	6.1383	26.2
75.1-77.0	83.6- 85.8	0.4867	0.8340	1.1843	1.5363	1.8893	2.2430	2.5973	2.9521	3.3072	3.6625	4.0182	4.3740	4.7301	5.0863	5.4427	5.7992	6.1558	6.5125	26.2
77.1-79.0	85.9- 88.1	0.5144	0.8823	1.2534	1.6264	2.0005	2.3754	2.7509	3.1268	3.5032	3.8799	4.2568	4.6340	5.0114	5.3889	5.7667	6.1445	6.5226	6.9007	26.2
79.1-81.0	88.2- 90.4	0.5430	0.9322	1.3250	1.7197	2.1156	2.5125	2.9099	3.3079	3.7063	4.1051	4.5041	4.9034	5.3029	5.7027	6.1025	6.5026	6.9028	7.3031	26.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 6. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: 7, 8, 9, 10, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.5- 14.6	0.0024	0.0047	0.0071	0.0095	0.0119	0.0143	0.0167	0.0191	0.0216	0.0240	0.0264	0.0289	0.0313	0.0338	0.0362	0.0387	0.0411	0.0436	12.5
13.1-15.0	14.7- 16.8	0.0093	0.0161	0.0229	0.0298	0.0367	0.0435	0.0504	0.0574	0.0643	0.0712	0.0781	0.0851	0.0920	0.0989	0.1059	0.1128	0.1198	0.1267	14.0
15.1-17.0	16.9- 18.9	0.0163	0.0275	0.0387	0.0500	0.0614	0.0727	0.0841	0.0954	0.1068	0.1182	0.1296	0.1410	0.1524	0.1638	0.1752	0.1866	0.1981	0.2095	15.4
17.1-19.0	19.0- 21.1	0.0232	0.0387	0.0543	0.0700	0.0858	0.1015	0.1173	0.1331	0.1489	0.1647	0.1805	0.1963	0.2121	0.2280	0.2438	0.2596	0.2755	0.2913	16.7
19.1-21.0	21.2- 23.3	0.0303	0.0504	0.0706	0.0909	0.1112	0.1316	0.1519	0.1723	0.1928	0.2132	0.2336	0.2541	0.2745	0.2950	0.3154	0.3359	0.3564	0.3769	17.8
21.1-23.0	23.4- 25.5	0.0378	0.0627	0.0879	0.1131	0.1383	0.1636	0.1889	0.2142	0.2396	0.2649	0.2903	0.3157	0.3411	0.3665	0.3919	0.4173	0.4428	0.4682	18.8
23.1-25.0	25.6- 27.6	0.0457	0.0759	0.1063	0.1368	0.1674	0.1979	0.2286	0.2592	0.2899	0.3205	0.3512	0.3819	0.4127	0.4434	0.4741	0.5049	0.5356	0.5664	19.7
25.1-27.0	27.8- 29.8	0.0542	0.0901	0.1261	0.1623	0.1986	0.2349	0.2712	0.3076	0.3439	0.3803	0.4168	0.4532	0.4897	0.5261	0.5626	0.5991	0.6356	0.6721	20.5
27.1-29.0	29.9- 32.0	0.0632	0.1052	0.1474	0.1897	0.2320	0.2745	0.3170	0.3595	0.4020	0.4446	0.4872	0.5298	0.5724	0.6150	0.6577	0.7003	0.7430	0.7857	21.2
29.1-31.0	32.1- 34.2	0.0729	0.1213	0.1701	0.2189	0.2679	0.3169	0.3660	0.4151	0.4642	0.5134	0.5626	0.6118	0.6611	0.7103	0.7596	0.8089	0.8582	0.9075	21.8
31.1-33.0	34.3- 36.4	0.0831	0.1385	0.1943	0.2502	0.3062	0.3622	0.4184	0.4746	0.5308	0.5870	0.6433	0.6996	0.7559	0.8123	0.8686	0.9250	0.9814	1.0378	22.4
33.1-35.0	36.5- 38.6	0.0939	0.1568	0.2200	0.2834	0.3470	0.4106	0.4742	0.5379	0.6017	0.6655	0.7294	0.7932	0.8571	0.9210	0.9850	1.0489	1.1129	1.1769	22.9
35.1-37.0	38.7- 40.8	0.1054	0.1762	0.2474	0.3188	0.3903	0.4619	0.5336	0.6054	0.6772	0.7490	0.8209	0.8928	0.9648	1.0368	1.1088	1.1808	1.2528	1.3249	23.3
37.1-39.0	40.9- 43.0	0.1175	0.1967	0.2764	0.3562	0.4363	0.5164	0.5967	0.6769	0.7573	0.8377	0.9181	0.9986	1.0791	1.1597	1.2402	1.3208	1.4014	1.4821	23.7
39.1-41.0	43.2- 45.3	0.1303	0.2184	0.3070	0.3959	0.4849	0.5741	0.6634	0.7527	0.8422	0.9316	1.0211	1.1107	1.2003	1.2899	1.3795	1.4692	1.5589	1.6487	24.0
41.1-43.0	45.4- 47.5	0.1437	0.2412	0.3393	0.4377	0.5363	0.6351	0.7339	0.8328	0.9318	1.0309	1.1300	1.2292	1.3284	1.4276	1.5269	1.6262	1.7255	1.8249	24.3
43.1-45.0	47.6- 49.7	0.1578	0.2652	0.3734	0.4818	0.5905	0.6994	0.8083	0.9174	1.0265	1.1357	1.2449	1.3542	1.4636	1.5730	1.6824	1.7919	1.9013	2.0109	24.5
45.1-47.0	49.8- 51.9	0.1725	0.2905	0.4092	0.5283	0.6476	0.7670	0.8867	1.0064	1.1262	1.2460	1.3660	1.4860	1.6060	1.7261	1.8463	1.9664	2.0867	2.2069	24.8
47.1-49.0	52.0- 54.2	0.1880	0.3170	0.4468	0.5770	0.7075	0.8382	0.9690	1.1000	1.2310	1.3621	1.4933	1.6246	1.7559	1.8873	2.0187	2.1501	2.2816	2.4132	25.0
49.1-51.0	54.3- 56.4	0.2042	0.3448	0.4862	0.6282	0.7704	0.9129	1.0555	1.1983	1.3411	1.4841	1.6271	1.7702	1.9134	2.0566	2.1998	2.3431	2.4865	2.6299	25.2
51.1-53.0	56.5- 58.6	0.2211	0.3738	0.5275	0.6818	0.8364	0.9912	1.1462	1.3013	1.4566	1.6120	1.7674	1.9229	2.0785	2.2342	2.3899	2.5456	2.7015	2.8573	25.3
53.1-55.0	58.7- 60.9	0.2388	0.4042	0.5707	0.7379	0.9054	1.0732	1.2412	1.4093	1.5775	1.7459	1.9144	2.0829	2.2516	2.4203	2.5890	2.7578	2.9267	3.0956	25.4
55.1-57.0	61.0- 63.1	0.2572	0.4359	0.6159	0.7965	0.9776	1.1589	1.3405	1.5222	1.7041	1.8861	2.0682	2.2504	2.4327	2.6150	2.7975	2.9799	3.1625	3.3451	25.6
57.1-59.0	63.2- 65.4	0.2763	0.4690	0.6630	0.8578	1.0530	1.2485	1.4443	1.6402	1.8364	2.0326	2.2290	2.4254	2.6220	2.8186	3.0154	3.2121	3.4090	3.6059	25.7
59.1-61.0	65.5- 67.6	0.2963	0.5034	0.7121	0.9216	1.1316	1.3420	1.5526	1.7634	1.9744	2.1856	2.3968	2.6082	2.8197	3.0313	3.2429	3.4547	3.6664	3.8783	25.8
61.1-63.0	67.7- 69.9	0.3170	0.5393	0.7633	0.9882	1.2136	1.4395	1.6656	1.8919	2.1184	2.3451	2.5720	2.7989	3.0260	3.2531	3.4804	3.7077	3.9351	4.1626	25.8
63.1-65.0	70.0- 72.1	0.3385	0.5767	0.8166	1.0575	1.2990	1.5410	1.7833	2.0258	2.2685	2.5114	2.7545	2.9977	3.2410	3.4844	3.7279	3.9715	4.2152	4.4589	25.9
65.1-67.0	72.3- 74.4	0.3609	0.6155	0.8720	1.1296	1.3879	1.6467	1.9058	2.1652	2.4248	2.6846	2.9446	3.2047	3.4649	3.7253	3.9857	4.2463	4.5069	4.7676	26.0
67.1-69.0	74.5- 76.7	0.3841	0.6558	0.9296	1.2046	1.4804	1.7566	2.0332	2.3102	2.5874	2.8648	3.1423	3.4201	3.6979	3.9759	4.2540	4.5322	4.8105	5.0889	26.0
69.1-71.0	76.8- 78.9	0.4082	0.6976	0.9894	1.2825	1.5764	1.8708	2.1657	2.4609	2.7564	3.0521	3.3480	3.6440	3.9403	4.2366	4.5331	4.8296	5.1263	5.4231	26.1
71.1-73.0	79.1- 81.2	0.4331	0.7410	1.0515	1.3634	1.6761	1.9895	2.3033	2.6175	2.9320	3.2467	3.5616	3.8768	4.1920	4.5075	4.8230	5.1387	5.4545	5.7703	26.1
73.1-75.0	81.3- 83.5	0.4590	0.7860	1.1159	1.4473	1.7796	2.1126	2.4461	2.7800	3.1143	3.4488	3.7835	4.1184	4.4535	4.7887	5.1241	5.4596	5.7953	6.1310	26.2
75.1-77.0	83.6- 85.8	0.4857	0.8327	1.1826	1.5343	1.8869	2.2403	2.5943	2.9487	3.3034	3.6584	4.0137	4.3692	4.7248	5.0807	5.4366	5.7928	6.1490	6.5054	26.2
77.1-79.0	85.9- 88.1	0.5134	0.8810	1.2518	1.6244	1.9981	2.3727	2.7479	3.1235	3.4995	3.8758	4.2524	4.6292	5.0062	5.3834	5.7608	6.1383	6.5159	6.8937	26.2
79.1-81.0	88.2- 90.4	0.5421	0.9309	1.3234	1.7177	2.1134	2.5099	2.9070	3.3047	3.7027	4.1011	4.4998	4.8987	5.2979	5.6972	6.0967	6.4964	6.8962	7.2962	26.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 7. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: 7, 8, 9, 10, 11, 14

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
13.1-15.0	14.7- 16.8	0.0056	0.0101	0.0147	0.0193	0.0239	0.0285	0.0331	0.0378	0.0424	0.0470	0.0517	0.0563	0.0610	0.0657	0.0703	0.0750	0.0797	0.0843	14.0
15.1-17.0	16.9- 18.9	0.0133	0.0228	0.0324	0.0421	0.0518	0.0615	0.0712	0.0809	0.0906	0.1003	0.1101	0.1198	0.1296	0.1393	0.1491	0.1589	0.1686	0.1784	15.4
17.1-19.0	19.0- 21.1	0.0209	0.0352	0.0496	0.0641	0.0786	0.0932	0.1078	0.1223	0.1369	0.1515	0.1661	0.1808	0.1954	0.2100	0.2246	0.2393	0.2539	0.2686	16.7
19.1-21.0	21.2- 23.3	0.0284	0.0475	0.0668	0.0862	0.1055	0.1250	0.1444	0.1639	0.1833	0.2028	0.2223	0.2418	0.2613	0.2808	0.3003	0.3199	0.3394	0.3589	17.8
21.1-23.0	23.4- 25.5	0.0362	0.0604	0.0847	0.1091	0.1336	0.1581	0.1826	0.2072	0.2317	0.2563	0.2809	0.3055	0.3301	0.3547	0.3794	0.4040	0.4287	0.4533	18.8
23.1-25.0	25.6- 27.6	0.0443	0.0739	0.1036	0.1334	0.1633	0.1932	0.2231	0.2531	0.2831	0.3131	0.3431	0.3732	0.4032	0.4333	0.4633	0.4934	0.5235	0.5536	19.7
25.1-27.0	27.8- 29.8	0.0530	0.0882	0.1237	0.1593	0.1950	0.2307	0.2664	0.3022	0.3380	0.3738	0.4096	0.4455	0.4813	0.5172	0.5531	0.5890	0.6249	0.6608	20.5
27.1-29.0	29.9- 32.0	0.0621	0.1035	0.1452	0.1870	0.2288	0.2707	0.3127	0.3546	0.3967	0.4387	0.4807	0.5228	0.5649	0.6070	0.6491	0.6913	0.7334	0.7756	21.2
29.1-31.0	32.1- 34.2	0.0718	0.1198	0.1681	0.2165	0.2649	0.3135	0.3621	0.4107	0.4594	0.5081	0.5568	0.6055	0.6543	0.7031	0.7518	0.8007	0.8495	0.8983	21.8
31.1-33.0	34.3- 36.4	0.0821	0.1371	0.1924	0.2479	0.3035	0.3591	0.4148	0.4705	0.5263	0.5821	0.6379	0.6938	0.7497	0.8056	0.8615	0.9174	0.9734	1.0294	22.4
33.1-35.0	36.5- 38.6	0.0930	0.1555	0.2183	0.2813	0.3444	0.4076	0.4709	0.5342	0.5976	0.6610	0.7244	0.7878	0.8513	0.9148	0.9784	1.0419	1.1055	1.1690	22.9
35.1-37.0	38.7- 40.8	0.1046	0.1750	0.2458	0.3168	0.3879	0.4592	0.5305	0.6019	0.6733	0.7448	0.8163	0.8878	0.9594	1.0310	1.1026	1.1742	1.2459	1.3176	23.3
37.1-39.0	40.9- 43.0	0.1167	0.1955	0.2748	0.3544	0.4341	0.5139	0.5937	0.6737	0.7537	0.8337	0.9138	0.9939	1.0741	1.1542	1.2345	1.3147	1.3949	1.4752	23.7
39.1-41.0	43.2- 45.3	0.1295	0.2173	0.3056	0.3941	0.4828	0.5717	0.6606	0.7496	0.8387	0.9279	1.0170	1.1062	1.1955	1.2848	1.3741	1.4634	1.5528	1.6422	24.0
41.1-43.0	45.4- 47.5	0.1429	0.2402	0.3380	0.4361	0.5343	0.6328	0.7313	0.8299	0.9286	1.0273	1.1261	1.2250	1.3238	1.4228	1.5217	1.6207	1.7197	1.8187	24.3
43.1-45.0	47.6- 49.7	0.1571	0.2642	0.3721	0.4802	0.5886	0.6972	0.8058	0.9146	1.0234	1.1323	1.2412	1.3502	1.4593	1.5684	1.6775	1.7866	1.8958	2.0050	24.5
45.1-47.0	49.8- 51.9	0.1719	0.2895	0.4079	0.5267	0.6458	0.7650	0.8843	1.0037	1.1232	1.2428	1.3625	1.4822	1.6019	1.7217	1.8416	1.9615	2.0814	2.2013	24.8
47.1-49.0	52.0- 54.2	0.1874	0.3161	0.4456	0.5756	0.7058	0.8362	0.9668	1.0974	1.2282	1.3590	1.4900	1.6209	1.7520	1.8831	2.0142	2.1454	2.2766	2.4079	25.0
49.1-51.0	54.3- 56.4	0.2036	0.3439	0.4851	0.6268	0.7688	0.9110	1.0533	1.1958	1.3384	1.4811	1.6239	1.7667	1.9096	2.0525	2.1955	2.3386	2.4817	2.6248	25.2
51.1-53.0	56.5- 58.6	0.2205	0.3730	0.5264	0.6804	0.8348	0.9893	1.1441	1.2990	1.4540	1.6091	1.7643	1.9196	2.0749	2.2303	2.3858	2.5413	2.6968	2.8524	25.3
53.1-55.0	58.7- 60.9	0.2382	0.4034	0.5697	0.7366	0.9039	1.0714	1.2391	1.4070	1.5750	1.7432	1.9114	2.0797	2.2481	2.4165	2.5851	2.7536	2.9222	3.0909	25.4
55.1-57.0	61.0- 63.1	0.2566	0.4351	0.6149	0.7953	0.9761	1.1572	1.3385	1.5200	1.7017	1.8834	2.0653	2.2473	2.4293	2.6114	2.7936	2.9759	3.1582	3.3405	25.6
57.1-59.0	63.2- 65.4	0.2758	0.4682	0.6620	0.8565	1.0515	1.2468	1.4424	1.6381	1.8340	2.0300	2.2262	2.4224	2.6188	2.8152	3.0117	3.2082	3.4048	3.6015	25.7
59.1-61.0	65.5- 67.6	0.2957	0.5027	0.7112	0.9205	1.1302	1.3404	1.5508	1.7614	1.9722	2.1831	2.3941	2.6053	2.8166	3.0279	3.2394	3.4509	3.6624	3.8740	25.8
61.1-63.0	67.7- 69.9	0.3165	0.5386	0.7624	0.9871	1.2123	1.4379	1.6638	1.8899	2.1163	2.3427	2.5694	2.7961	3.0229	3.2499	3.4769	3.7040	3.9312	4.1584	25.8
63.1-65.0	70.0- 72.1	0.3380	0.5759	0.8157	1.0564	1.2977	1.5395	1.7815	2.0239	2.2664	2.5091	2.7520	2.9949	3.2380	3.4812	3.7245	3.9679	4.2114	4.4549	25.9
65.1-67.0	72.3- 74.4	0.3604	0.6148	0.8711	1.1286	1.3866	1.6452	1.9041	2.1633	2.4227	2.6823	2.9421	3.2020	3.4620	3.7222	3.9824	4.2428	4.5032	4.7637	26.0
67.1-69.0	74.5- 76.7	0.3836	0.6551	0.9287	1.2036	1.4791	1.7552	2.0316	2.3084	2.5854	2.8626	3.1399	3.4175	3.6951	3.9729	4.2508	4.5288	4.8069	5.0851	26.0
69.1-71.0	76.8- 78.9	0.4077	0.6969	0.9886	1.2815	1.5752	1.8694	2.1641	2.4591	2.7544	3.0499	3.3456	3.6415	3.9375	4.2337	4.5299	4.8263	5.1228	5.4194	26.1
71.1-73.0	79.1- 81.2	0.4327	0.7404	1.0507	1.3624	1.6749	1.9881	2.3017	2.6158	2.9301	3.2446	3.5594	3.8743	4.1894	4.5046	4.8200	5.1355	5.4511	5.7667	26.1
73.1-75.0	81.3- 83.5	0.4585	0.7854	1.1151	1.4463	1.7784	2.1113	2.4446	2.7783	3.1124	3.4467	3.7812	4.1160	4.4509	4.7860	5.1212	5.4565	5.7919	6.1275	26.2
75.1-77.0	83.6- 85.8	0.4853	0.8320	1.1818	1.5333	1.8858	2.2390	2.5928	2.9470	3.3016	3.6564	4.0115	4.3668	4.7223	5.0779	5.4337	5.7897	6.1457	6.5019	26.2
77.1-79.0	85.9- 88.1	0.5130	0.8803	1.2510	1.6234	1.9970	2.3714	2.7464	3.1219	3.4977	3.8738	4.2503	4.6269	5.0037	5.3808	5.7579	6.1353	6.5127	6.8903	26.2
79.1-81.0	88.2- 90.4	0.5416	0.9303	1.3226	1.7168	2.1123	2.5086	2.9056	3.3031	3.7010	4.0992	4.4977	4.8965	5.2955	5.6946	6.0940	6.4935	6.8931	7.2929	26.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 11. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: 1 TO 6, 12, 13, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	8.1- 10.2	0.0000	0.0006	0.0013	0.0019	0.0026	0.0033	0.0040	0.0047	0.0054	0.0061	0.0068	0.0075	0.0082	0.0089	0.0097	0.0104	0.0111	0.0118	10.4
9.1-11.0	10.3- 12.3	0.0054	0.0090	0.0126	0.0163	0.0200	0.0237	0.0275	0.0312	0.0349	0.0387	0.0424	0.0462	0.0500	0.0537	0.0575	0.0613	0.0651	0.0689	12.0
11.1-13.0	12.4- 14.5	0.0107	0.0174	0.0241	0.0309	0.0377	0.0445	0.0514	0.0582	0.0651	0.0719	0.0788	0.0857	0.0926	0.0995	0.1064	0.1134	0.1203	0.1272	13.5
13.1-15.0	14.6- 16.7	0.0161	0.0259	0.0358	0.0457	0.0557	0.0657	0.0757	0.0858	0.0959	0.1060	0.1161	0.1262	0.1363	0.1465	0.1566	0.1668	0.1769	0.1871	14.8
15.1-17.0	16.8- 18.9	0.0219	0.0351	0.0485	0.0619	0.0753	0.0888	0.1024	0.1159	0.1295	0.1431	0.1567	0.1704	0.1840	0.1977	0.2114	0.2251	0.2388	0.2525	15.9
17.1-19.0	19.0- 21.1	0.0284	0.0453	0.0624	0.0797	0.0969	0.1143	0.1317	0.1491	0.1666	0.1840	0.2015	0.2191	0.2366	0.2542	0.2717	0.2893	0.3069	0.3246	17.0
19.1-21.0	21.3- 23.4	0.0354	0.0565	0.0778	0.0992	0.1207	0.1422	0.1639	0.1855	0.2072	0.2290	0.2507	0.2725	0.2943	0.3162	0.3380	0.3599	0.3818	0.4037	17.9
21.1-23.0	23.5- 25.7	0.0431	0.0686	0.0945	0.1205	0.1466	0.1727	0.1990	0.2253	0.2516	0.2780	0.3044	0.3309	0.3573	0.3839	0.4104	0.4369	0.4635	0.4901	18.8
23.1-25.0	25.8- 28.0	0.0514	0.0818	0.1126	0.1436	0.1746	0.2058	0.2371	0.2684	0.2997	0.3312	0.3626	0.3941	0.4257	0.4573	0.4889	0.5205	0.5521	0.5838	19.5
25.1-27.0	28.1- 30.3	0.0604	0.0961	0.1322	0.1685	0.2049	0.2415	0.2781	0.3148	0.3516	0.3885	0.4254	0.4623	0.4993	0.5364	0.5734	0.6105	0.6477	0.6848	20.2
27.1-29.0	30.5- 32.7	0.0700	0.1114	0.1531	0.1952	0.2374	0.2797	0.3221	0.3647	0.4073	0.4500	0.4927	0.5355	0.5783	0.6212	0.6641	0.7071	0.7501	0.7932	20.8
29.1-31.0	32.8- 35.1	0.0803	0.1277	0.1755	0.2237	0.2720	0.3205	0.3691	0.4178	0.4667	0.5155	0.5645	0.6135	0.6626	0.7117	0.7609	0.8102	0.8594	0.9087	21.4
31.1-33.0	35.2- 37.5	0.0913	0.1450	0.1993	0.2540	0.3088	0.3639	0.4191	0.4744	0.5298	0.5852	0.6408	0.6965	0.7522	0.8079	0.8638	0.9197	0.9756	1.0316	21.9
33.1-35.0	37.6- 39.9	0.1029	0.1634	0.2245	0.2860	0.3478	0.4098	0.4719	0.5342	0.5965	0.6590	0.7216	0.7843	0.8470	0.9098	0.9726	1.0356	1.0985	1.1616	22.4
35.1-37.0	40.1- 42.4	0.1151	0.1828	0.2511	0.3199	0.3889	0.4582	0.5277	0.5973	0.6670	0.7369	0.8068	0.8769	0.9470	1.0172	1.0875	1.1578	1.2282	1.2987	22.8
37.1-39.0	42.5- 44.9	0.1281	0.2032	0.2791	0.3555	0.4322	0.5092	0.5863	0.6637	0.7411	0.8187	0.8965	0.9743	1.0522	1.1302	1.2083	1.2864	1.3647	1.4430	23.2
39.1-41.0	45.0- 47.4	0.1416	0.2246	0.3085	0.3929	0.4776	0.5626	0.6479	0.7333	0.8189	0.9046	0.9905	1.0765	1.1625	1.2487	1.3350	1.4213	1.5078	1.5943	23.5
41.1-43.0	47.5- 49.9	0.1558	0.2471	0.3392	0.4320	0.5251	0.6186	0.7123	0.8062	0.9002	0.9945	1.0889	1.1834	1.2780	1.3727	1.4676	1.5625	1.6575	1.7526	23.8
43.1-45.0	50.0- 52.4	0.1707	0.2705	0.3713	0.4728	0.5747	0.6770	0.7795	0.8822	0.9852	1.0883	1.1916	1.2950	1.3985	1.5022	1.6060	1.7098	1.8138	1.9178	24.1
45.1-47.0	52.6- 55.0	0.1862	0.2950	0.4048	0.5154	0.6264	0.7378	0.8495	0.9615	1.0737	1.1860	1.2986	1.4113	1.5241	1.6371	1.7501	1.8633	1.9766	2.0900	24.3
47.1-49.0	55.1- 57.6	0.2024	0.3204	0.4396	0.5596	0.6802	0.8011	0.9224	1.0439	1.1657	1.2877	1.4099	1.5322	1.6547	1.7773	1.9001	2.0229	2.1459	2.2690	24.5
49.1-51.0	57.7- 60.2	0.2192	0.3468	0.4758	0.6056	0.7360	0.8668	0.9980	1.1295	1.2612	1.3932	1.5254	1.6577	1.7902	1.9229	2.0557	2.1886	2.3217	2.4549	24.8
51.1-53.0	60.4- 62.9	0.2366	0.3742	0.5133	0.6533	0.7939	0.9350	1.0764	1.2182	1.3603	1.5026	1.6451	1.7878	1.9307	2.0738	2.2170	2.3604	2.5039	2.6475	24.9
53.1-55.0	63.0- 65.5	0.2546	0.4026	0.5521	0.7026	0.8538	1.0055	1.1576	1.3100	1.4628	1.6158	1.7690	1.9225	2.0761	2.2299	2.3839	2.5381	2.6924	2.8468	25.1
55.1-57.0	65.7- 68.2	0.2733	0.4319	0.5922	0.7536	0.9157	1.0783	1.2414	1.4049	1.5687	1.7327	1.8971	2.0616	2.2264	2.3913	2.5564	2.7217	2.8872	3.0528	25.3
57.1-59.0	68.3- 70.9	0.2927	0.4623	0.6337	0.8063	0.9796	1.1536	1.3280	1.5028	1.6780	1.8535	2.0292	2.2052	2.3815	2.5579	2.7345	2.9113	3.0883	3.2654	25.4
59.1-61.0	71.1- 73.7	0.3126	0.4935	0.6765	0.8606	1.0456	1.2312	1.4173	1.6038	1.7907	1.9780	2.1655	2.3533	2.5414	2.7296	2.9181	3.1067	3.2956	3.4846	25.5
61.1-63.0	73.8- 76.4	0.3332	0.5258	0.7205	0.9165	1.1135	1.3111	1.5092	1.7078	1.9068	2.1062	2.3059	2.5058	2.7060	2.9065	3.1071	3.3080	3.5091	3.7103	25.6
63.1-65.0	76.6- 79.2	0.3544	0.5590	0.7658	0.9741	1.1833	1.3933	1.6038	1.8148	2.0263	2.2381	2.4503	2.6627	2.8754	3.0884	3.3016	3.5150	3.7287	3.9425	25.7
65.1-67.0	79.3- 82.0	0.3762	0.5931	0.8125	1.0333	1.2552	1.4778	1.7011	1.9248	2.1491	2.3737	2.5987	2.8240	3.0495	3.2754	3.5015	3.7278	3.9544	4.1811	25.8
67.1-69.0	82.1- 84.8	0.3986	0.6282	0.8604	1.0941	1.3289	1.5646	1.8009	2.0378	2.2751	2.5129	2.7511	2.9895	3.2283	3.4674	3.7067	3.9463	4.1861	4.4262	25.9
69.1-71.0	85.0- 87.7	0.4217	0.6642	0.9095	1.1565	1.4046	1.6537	1.9034	2.1537	2.4045	2.6558	2.9074	3.1594	3.4118	3.6644	3.9173	4.1705	4.4239	4.6775	26.0
71.1-73.0	87.8- 90.6	0.4454	0.7012	0.9600	1.2205	1.4823	1.7450	2.0084	2.2725	2.5371	2.8022	3.0677	3.3336	3.5998	3.8663	4.1332	4.4003	4.6676	4.9352	26.0
73.1-75.0	90.7- 93.5	0.4696	0.7391	1.0116	1.2861	1.5618	1.8385	2.1161	2.3942	2.6730	2.9522	3.2319	3.5119	3.7924	4.0732	4.3543	4.6356	4.9173	5.1992	26.1
75.1-77.0	93.6- 96.4	0.4945	0.7779	1.0646	1.3532	1.6432	1.9343	2.2262	2.5188	2.8120	3.1057	3.3999	3.6945	3.9895	4.2849	4.5806	4.8766	5.1728	5.4694	26.2
77.1-79.0	96.5- 99.3	0.5200	0.8176	1.1187	1.4219	1.7266	2.0323	2.3389	2.6463	2.9543	3.2628	3.5718	3.8813	4.1912	4.5015	4.8121	5.1230	5.4342	5.7457	26.2
79.1-81.0	99.5-102.3	0.5462	0.8583	1.1741	1.4922	1.8118	2.1325	2.4542	2.7766	3.0997	3.4234	3.7476	4.0723	4.3973	4.7228	5.0487	5.3749	5.7014	6.0282	26.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 12. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: 1 TO 6, 12, 13, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.4- 14.5	0.0011	0.0031	0.0051	0.0071	0.0092	0.0113	0.0134	0.0155	0.0177	0.0198	0.0220	0.0241	0.0263	0.0285	0.0306	0.0328	0.0350	0.0372	13.5
13.1-15.0	14.6- 16.7	0.0093	0.0157	0.0223	0.0288	0.0354	0.0421	0.0487	0.0554	0.0621	0.0688	0.0755	0.0823	0.0890	0.0958	0.1025	0.1093	0.1160	0.1228	14.8
15.1-17.0	16.8- 18.9	0.0172	0.0280	0.0390	0.0500	0.0611	0.0722	0.0833	0.0945	0.1057	0.1169	0.1281	0.1393	0.1506	0.1619	0.1731	0.1844	0.1957	0.2070	15.9
17.1-19.0	19.0- 21.1	0.0246	0.0397	0.0550	0.0703	0.0857	0.1012	0.1167	0.1323	0.1478	0.1634	0.1790	0.1947	0.2103	0.2260	0.2417	0.2574	0.2731	0.2888	17.0
19.1-21.0	21.3- 23.4	0.0323	0.0518	0.0715	0.0914	0.1113	0.1313	0.1514	0.1715	0.1916	0.2118	0.2319	0.2522	0.2724	0.2926	0.3129	0.3332	0.3535	0.3738	17.9
21.1-23.0	23.5- 25.7	0.0404	0.0646	0.0891	0.1138	0.1385	0.1633	0.1882	0.2131	0.2381	0.2631	0.2881	0.3132	0.3383	0.3634	0.3886	0.4138	0.4389	0.4642	18.8
23.1-25.0	25.8- 28.0	0.0490	0.0783	0.1079	0.1376	0.1675	0.1975	0.2275	0.2576	0.2878	0.3180	0.3482	0.3785	0.4088	0.4391	0.4695	0.4999	0.5303	0.5607	19.5
25.1-27.0	28.1- 30.3	0.0582	0.0929	0.1279	0.1631	0.1985	0.2339	0.2695	0.3051	0.3408	0.3766	0.4123	0.4482	0.4841	0.5200	0.5559	0.5919	0.6279	0.6639	20.2
27.1-29.0	30.5- 32.7	0.0681	0.1085	0.1492	0.1903	0.2315	0.2728	0.3143	0.3558	0.3974	0.4390	0.4808	0.5225	0.5643	0.6062	0.6481	0.6900	0.7320	0.7740	20.8
29.1-31.0	32.8- 35.1	0.0785	0.1250	0.1719	0.2192	0.2666	0.3142	0.3618	0.4096	0.4575	0.5055	0.5535	0.6015	0.6497	0.6978	0.7461	0.7943	0.8426	0.8910	21.4
31.1-33.0	35.2- 37.5	0.0896	0.1425	0.1960	0.2498	0.3038	0.3580	0.4123	0.4667	0.5212	0.5758	0.6305	0.6853	0.7401	0.7950	0.8499	0.9049	0.9599	1.0150	21.9
33.1-35.0	37.6- 39.9	0.1013	0.1611	0.2214	0.2821	0.3431	0.4042	0.4656	0.5270	0.5886	0.6502	0.7119	0.7738	0.8356	0.8976	0.9596	1.0217	1.0838	1.1460	22.4
35.1-37.0	40.1- 42.4	0.1137	0.1806	0.2482	0.3162	0.3845	0.4530	0.5217	0.5905	0.6595	0.7285	0.7977	0.8670	0.9363	1.0057	1.0752	1.1447	1.2143	1.2839	22.8
37.1-39.0	42.5- 44.9	0.1267	0.2011	0.2764	0.3520	0.4280	0.5042	0.5807	0.6573	0.7340	0.8109	0.8878	0.9649	1.0420	1.1193	1.1966	1.2740	1.3514	1.4289	23.2
39.1-41.0	45.0- 47.4	0.1403	0.2227	0.3059	0.3896	0.4736	0.5579	0.6425	0.7272	0.8121	0.8971	0.9823	1.0675	1.1529	1.2383	1.3238	1.4094	1.4951	1.5809	23.5
41.1-43.0	47.5- 49.9	0.1546	0.2452	0.3367	0.4288	0.5213	0.6141	0.7071	0.8004	0.8938	0.9873	1.0810	1.1748	1.2687	1.3628	1.4569	1.5511	1.6454	1.7397	23.8
43.1-45.0	50.0- 52.4	0.1695	0.2687	0.3690	0.4698	0.5711	0.6727	0.7746	0.8767	0.9790	1.0814	1.1840	1.2868	1.3896	1.4926	1.5957	1.6989	1.8021	1.9055	24.1
45.1-47.0	52.6- 55.0	0.1851	0.2933	0.4025	0.5125	0.6229	0.7337	0.8448	0.9562	1.0677	1.1795	1.2913	1.4034	1.5156	1.6279	1.7403	1.8528	1.9654	2.0781	24.3
47.1-49.0	55.1- 57.6	0.2013	0.3188	0.4374	0.5569	0.6768	0.7972	0.9179	1.0388	1.1600	1.2813	1.4029	1.5246	1.6464	1.7684	1.8905	2.0128	2.1351	2.2575	24.5
49.1-51.0	57.7- 60.2	0.2181	0.3452	0.4737	0.6030	0.7328	0.8631	0.9937	1.1246	1.2557	1.3871	1.5186	1.6504	1.7823	1.9143	2.0465	2.1788	2.3112	2.4438	24.8
51.1-53.0	60.4- 62.9	0.2356	0.3727	0.5113	0.6507	0.7908	0.9313	1.0722	1.2134	1.3549	1.4967	1.6386	1.7807	1.9230	2.0655	2.2081	2.3508	2.4937	2.6367	24.9
53.1-55.0	63.0- 65.5	0.2537	0.4011	0.5502	0.7001	0.8508	1.0019	1.1535	1.3054	1.4576	1.6100	1.7627	1.9156	2.0686	2.2219	2.3753	2.5288	2.6825	2.8363	25.1
55.1-57.0	65.7- 68.2	0.2724	0.4305	0.5904	0.7512	0.9128	1.0749	1.2375	1.4004	1.5637	1.7272	1.8909	2.0549	2.2191	2.3835	2.5480	2.7127	2.8776	3.0426	25.3
57.1-59.0	68.3- 70.9	0.2918	0.4609	0.6319	0.8040	0.9768	1.1503	1.3242	1.4985	1.6731	1.8481	2.0233	2.1987	2.3744	2.5503	2.7263	2.9025	3.0789	3.2554	25.4
59.1-61.0	71.1- 73.7	0.3118	0.4922	0.6747	0.8584	1.0428	1.2280	1.4136	1.5996	1.7860	1.9727	2.1597	2.3470	2.5345	2.7222	2.9101	3.0982	3.2864	3.4748	25.5
61.1-63.0	73.8- 76.4	0.3324	0.5245	0.7188	0.9144	1.1108	1.3080	1.5056	1.7037	1.9022	2.1011	2.3002	2.4996	2.6993	2.8992	3.0993	3.2996	3.5001	3.7008	25.6
63.1-65.0	76.6- 79.2	0.3536	0.5577	0.7642	0.9720	1.1808	1.3903	1.6003	1.8109	2.0218	2.2331	2.4448	2.6567	2.8689	3.0813	3.2940	3.5068	3.7199	3.9332	25.7
65.1-67.0	79.3- 82.0	0.3754	0.5919	0.8109	1.0313	1.2527	1.4749	1.6976	1.9209	2.1447	2.3688	2.5933	2.8181	3.0431	3.2685	3.4940	3.7198	3.9458	4.1720	25.8
67.1-69.0	82.1- 84.8	0.3979	0.6270	0.8588	1.0921	1.3265	1.5617	1.7976	2.0340	2.2709	2.5081	2.7458	2.9838	3.2220	3.4606	3.6994	3.9384	4.1777	4.4172	25.9
69.1-71.0	85.0- 87.7	0.4210	0.6631	0.9080	1.1546	1.4023	1.6509	1.9001	2.1500	2.4003	2.6511	2.9023	3.1538	3.4056	3.6577	3.9101	4.1627	4.4156	4.6687	26.0
71.1-73.0	87.8- 90.6	0.4447	0.7001	0.9585	1.2186	1.4800	1.7422	2.0053	2.2689	2.5330	2.7976	3.0626	3.3280	3.5937	3.8598	4.1261	4.3927	4.6595	4.9266	26.0
73.1-75.0	90.7- 93.5	0.4690	0.7380	1.0102	1.2842	1.5596	1.8359	2.1129	2.3907	2.6689	2.9477	3.2269	3.5065	3.7864	4.0667	4.3473	4.6282	4.9093	5.1907	26.1
75.1-77.0	93.6- 96.4	0.4939	0.7769	1.0632	1.3514	1.6410	1.9317	2.2232	2.5153	2.8081	3.1014	3.3951	3.6892	3.9837	4.2786	4.5737	4.8692	5.1649	5.4609	26.2
77.1-79.0	96.5- 99.3	0.5194	0.8166	1.1173	1.4202	1.7244	2.0298	2.3360	2.6429	2.9504	3.2585	3.5671	3.8761	4.1855	4.4952	4.8053	5.1157	5.4264	5.7374	26.2
79.1-81.0	99.5-102.3	0.5455	0.8573	1.1728	1.4905	1.8097	2.1300	2.4512	2.7733	3.0959	3.4192	3.7429	4.0671	4.3917	4.7167	5.0421	5.3677	5.6937	6.0200	26.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 13. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: 1 TO 6, 12, 13, 15, 16

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
13.1-15.0	14.6- 16.7	0.0044	0.0084	0.0125	0.0167	0.0210	0.0252	0.0295	0.0338	0.0381	0.0424	0.0467	0.0511	0.0554	0.0598	0.0641	0.0685	0.0728	0.0772	14.8
15.1-17.0	16.8- 18.9	0.0139	0.0230	0.0323	0.0417	0.0511	0.0606	0.0701	0.0796	0.0892	0.0987	0.1083	0.1179	0.1275	0.1371	0.1467	0.1563	0.1659	0.1756	15.9
17.1-19.0	19.0- 21.1	0.0223	0.0362	0.0503	0.0645	0.0787	0.0930	0.1073	0.1217	0.1361	0.1505	0.1650	0.1794	0.1939	0.2084	0.2229	0.2374	0.2519	0.2664	17.0
19.1-21.0	21.3- 23.4	0.0305	0.0491	0.0679	0.0868	0.1058	0.1249	0.1440	0.1632	0.1824	0.2016	0.2209	0.2402	0.2595	0.2788	0.2981	0.3175	0.3369	0.3562	17.9
21.1-23.0	23.5- 25.7	0.0389	0.0623	0.0861	0.1099	0.1339	0.1580	0.1821	0.2062	0.2304	0.2547	0.2790	0.3033	0.3276	0.3519	0.3763	0.4007	0.4251	0.4495	18.8
23.1-25.0	25.8- 28.0	0.0477	0.0763	0.1052	0.1343	0.1635	0.1928	0.2222	0.2517	0.2811	0.3107	0.3403	0.3699	0.3995	0.4292	0.4589	0.4886	0.5183	0.5481	19.5
25.1-27.0	28.1- 30.3	0.0571	0.0912	0.1256	0.1602	0.1950	0.2299	0.2648	0.2999	0.3350	0.3701	0.4053	0.4406	0.4758	0.5112	0.5465	0.5819	0.6173	0.6527	20.2
27.1-29.0	30.5- 32.7	0.0670	0.1069	0.1472	0.1877	0.2283	0.2691	0.3101	0.3510	0.3921	0.4332	0.4744	0.5156	0.5569	0.5982	0.6396	0.6810	0.7224	0.7639	20.8
29.1-31.0	32.8- 35.1	0.0776	0.1236	0.1700	0.2168	0.2637	0.3108	0.3580	0.4053	0.4527	0.5002	0.5477	0.5953	0.6429	0.6906	0.7383	0.7861	0.8339	0.8817	21.4
31.1-33.0	35.2- 37.5	0.0887	0.1412	0.1942	0.2476	0.3011	0.3549	0.4087	0.4627	0.5168	0.5710	0.6252	0.6795	0.7338	0.7883	0.8427	0.8972	0.9518	1.0064	21.9
33.1-35.0	37.6- 39.9	0.1005	0.1599	0.2198	0.2801	0.3406	0.4014	0.4623	0.5233	0.5844	0.6457	0.7070	0.7684	0.8298	0.8913	0.9529	1.0145	1.0762	1.1380	22.4
35.1-37.0	40.1- 42.4	0.1129	0.1795	0.2467	0.3143	0.3822	0.4503	0.5186	0.5871	0.6556	0.7243	0.7930	0.8619	0.9308	0.9998	1.0689	1.1380	1.2072	1.2765	22.8
37.1-39.0	42.5- 44.9	0.1260	0.2001	0.2749	0.3502	0.4259	0.5017	0.5778	0.6540	0.7304	0.8068	0.8834	0.9601	1.0369	1.1137	1.1907	1.2677	1.3447	1.4219	23.2
39.1-41.0	45.0- 47.4	0.1397	0.2217	0.3045	0.3879	0.4716	0.5556	0.6398	0.7241	0.8087	0.8933	0.9781	1.0630	1.1480	1.2331	1.3182	1.4035	1.4888	1.5742	23.5
41.1-43.0	47.5- 49.9	0.1540	0.2443	0.3355	0.4272	0.5194	0.6118	0.7045	0.7974	0.8905	0.9837	1.0771	1.1705	1.2641	1.3578	1.4515	1.5454	1.6393	1.7333	23.8
43.1-45.0	50.0- 52.4	0.1690	0.2678	0.3677	0.4683	0.5693	0.6705	0.7721	0.8739	0.9759	1.0780	1.1803	1.2827	1.3852	1.4879	1.5906	1.6934	1.7964	1.8994	24.1
45.1-47.0	52.6- 55.0	0.1845	0.2924	0.4014	0.5110	0.6212	0.7317	0.8425	0.9535	1.0647	1.1762	1.2877	1.3995	1.5113	1.6233	1.7354	1.8476	1.9599	2.0723	24.3
47.1-49.0	55.1- 57.6	0.2008	0.3179	0.4363	0.5555	0.6752	0.7952	0.9156	1.0362	1.1571	1.2782	1.3994	1.5208	1.6424	1.7640	1.8858	2.0078	2.1298	2.2519	24.5
49.1-51.0	57.7- 60.2	0.2176	0.3445	0.4726	0.6016	0.7312	0.8612	0.9915	1.1221	1.2530	1.3840	1.5153	1.6467	1.7783	1.9101	2.0420	2.1740	2.3061	2.4383	24.8
51.1-53.0	60.4- 62.9	0.2351	0.3719	0.5102	0.6494	0.7892	0.9295	1.0701	1.2111	1.3523	1.4937	1.6354	1.7772	1.9192	2.0614	2.2037	2.3462	2.4887	2.6314	24.9
53.1-55.0	63.0- 65.5	0.2532	0.4004	0.5492	0.6989	0.8493	1.0002	1.1515	1.3031	1.4550	1.6072	1.7596	1.9122	2.0650	2.2179	2.3710	2.5243	2.6777	2.8312	25.1
55.1-57.0	65.7- 68.2	0.2720	0.4298	0.5894	0.7500	0.9114	1.0732	1.2355	1.3982	1.5612	1.7244	1.8879	2.0516	2.2156	2.3797	2.5439	2.7083	2.8729	3.0376	25.3
57.1-59.0	68.3- 70.9	0.2913	0.4602	0.6310	0.8028	0.9754	1.1486	1.3223	1.4964	1.6708	1.8454	2.0204	2.1956	2.3710	2.5466	2.7223	2.8983	3.0744	3.2506	25.4
59.1-61.0	71.1- 73.7	0.3113	0.4916	0.6738	0.8572	1.0415	1.2264	1.4117	1.5975	1.7837	1.9702	2.1569	2.3439	2.5311	2.7186	2.9062	3.0940	3.2820	3.4702	25.5
61.1-63.0	73.8- 76.4	0.3319	0.5239	0.7179	0.9133	1.1095	1.3064	1.5038	1.7017	1.9000	2.0986	2.2975	2.4966	2.6961	2.8957	3.0956	3.2956	3.4958	3.6962	25.6
63.1-65.0	76.6- 79.2	0.3532	0.5571	0.7634	0.9710	1.1795	1.3888	1.5986	1.8089	2.0196	2.2307	2.4421	2.6538	2.8657	3.0779	3.2903	3.5029	3.7157	3.9287	25.7
65.1-67.0	79.3- 82.0	0.3750	0.5913	0.8101	1.0302	1.2514	1.4734	1.6960	1.9190	2.1425	2.3664	2.5907	2.8152	3.0400	3.2651	3.4904	3.7160	3.9417	4.1676	25.8
67.1-69.0	82.1- 84.8	0.3975	0.6265	0.8580	1.0911	1.3253	1.5603	1.7959	2.0321	2.2688	2.5058	2.7432	2.9810	3.2190	3.4573	3.6959	3.9347	4.1737	4.4129	25.9
69.1-71.0	85.0- 87.7	0.4206	0.6625	0.9073	1.1536	1.4011	1.6495	1.8985	2.1482	2.3983	2.6488	2.8998	3.1510	3.4026	3.6545	3.9067	4.1591	4.4117	4.6646	26.0
71.1-73.0	87.8- 90.6	0.4443	0.6995	0.9577	1.2177	1.4788	1.7409	2.0037	2.2671	2.5310	2.7954	3.0602	3.3254	3.5908	3.8566	4.1227	4.3891	4.6557	4.9225	26.0
73.1-75.0	90.7- 93.5	0.4686	0.7375	1.0095	1.2833	1.5584	1.8345	2.1114	2.3889	2.6670	2.9456	3.2245	3.5039	3.7836	4.0637	4.3440	4.6246	4.9055	5.1867	26.1
75.1-77.0	93.6- 96.4	0.4935	0.7763	1.0624	1.3505	1.6400	1.9304	2.2217	2.5137	2.8062	3.0992	3.3927	3.6866	3.9809	4.2756	4.5705	4.8657	5.1612	5.4570	26.2
77.1-79.0	96.5- 99.3	0.5191	0.8161	1.1167	1.4193	1.7234	2.0285	2.3345	2.6412	2.9486	3.2564	3.5648	3.8736	4.1827	4.4923	4.8022	5.1123	5.4228	5.7336	26.2
79.1-81.0	99.5-102.3	0.5452	0.8568	1.1721	1.4896	1.8086	2.1288	2.4498	2.7716	3.0941	3.4171	3.7407	4.0646	4.3890	4.7138	5.0389	5.3644	5.6902	6.0162	26.3

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

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Table 17. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	8.1- 10.2	0.0003	0.0010	0.0017	0.0025	0.0032	0.0040	0.0048	0.0056	0.0064	0.0072	0.0080	0.0088	0.0096	0.0104	0.0112	0.0120	0.0128	0.0136	9.9
9.1-11.0	10.3- 12.3	0.0055	0.0093	0.0131	0.0170	0.0208	0.0247	0.0286	0.0324	0.0363	0.0402	0.0441	0.0480	0.0519	0.0558	0.0598	0.0637	0.0676	0.0715	11.6
11.1-13.0	12.4- 14.5	0.0107	0.0175	0.0244	0.0313	0.0383	0.0452	0.0522	0.0592	0.0661	0.0731	0.0802	0.0872	0.0942	0.1012	0.1082	0.1153	0.1223	0.1293	13.0
13.1-15.0	14.6- 16.7	0.0159	0.0259	0.0359	0.0460	0.0561	0.0663	0.0764	0.0866	0.0968	0.1070	0.1172	0.1275	0.1377	0.1479	0.1582	0.1684	0.1787	0.1889	14.4
15.1-17.0	16.8- 18.9	0.0216	0.0350	0.0485	0.0620	0.0756	0.0893	0.1029	0.1166	0.1303	0.1440	0.1577	0.1715	0.1852	0.1990	0.2128	0.2265	0.2403	0.2541	15.6
17.1-19.0	19.0- 21.1	0.0277	0.0449	0.0622	0.0796	0.0971	0.1146	0.1321	0.1496	0.1672	0.1848	0.2024	0.2200	0.2376	0.2553	0.2729	0.2906	0.3083	0.3260	16.7
19.1-21.0	21.2- 23.4	0.0345	0.0559	0.0774	0.0990	0.1206	0.1424	0.1641	0.1859	0.2077	0.2296	0.2514	0.2733	0.2952	0.3171	0.3391	0.3610	0.3830	0.4050	17.7
21.1-23.0	23.5- 25.6	0.0418	0.0678	0.0939	0.1201	0.1464	0.1727	0.1991	0.2256	0.2520	0.2785	0.3051	0.3316	0.3582	0.3848	0.4114	0.4380	0.4647	0.4914	18.5
23.1-25.0	25.8- 27.9	0.0498	0.0807	0.1118	0.1430	0.1743	0.2057	0.2372	0.2687	0.3002	0.3318	0.3634	0.3950	0.4267	0.4584	0.4901	0.5218	0.5535	0.5853	19.3
25.1-27.0	28.0- 30.2	0.0584	0.0946	0.1311	0.1678	0.2045	0.2414	0.2783	0.3153	0.3523	0.3893	0.4264	0.4636	0.5007	0.5379	0.5751	0.6123	0.6496	0.6869	20.1
27.1-29.0	30.3- 32.5	0.0676	0.1096	0.1519	0.1944	0.2370	0.2797	0.3225	0.3654	0.4083	0.4512	0.4942	0.5373	0.5804	0.6235	0.6666	0.7098	0.7530	0.7962	20.7
29.1-31.0	32.6- 34.8	0.0774	0.1256	0.1742	0.2229	0.2718	0.3208	0.3699	0.4190	0.4683	0.5175	0.5669	0.6162	0.6657	0.7151	0.7646	0.8141	0.8637	0.9133	21.3
31.1-33.0	35.0- 37.2	0.0878	0.1427	0.1979	0.2533	0.3089	0.3646	0.4204	0.4763	0.5322	0.5883	0.6443	0.7005	0.7567	0.8129	0.8692	0.9255	0.9818	1.0382	21.9
33.1-35.0	37.3- 39.5	0.0989	0.1608	0.2230	0.2856	0.3483	0.4111	0.4740	0.5371	0.6002	0.6634	0.7267	0.7900	0.8534	0.9169	0.9803	1.0439	1.1074	1.1710	22.3
35.1-37.0	39.7- 41.9	0.1106	0.1799	0.2497	0.3197	0.3900	0.4604	0.5309	0.6016	0.6723	0.7431	0.8140	0.8849	0.9560	1.0270	1.0982	1.1693	1.2405	1.3118	22.8
37.1-39.0	42.0- 44.3	0.1229	0.2001	0.2778	0.3558	0.4340	0.5124	0.5910	0.6697	0.7484	0.8273	0.9062	0.9852	1.0643	1.1435	1.2227	1.3019	1.3812	1.4606	23.2
39.1-41.0	44.4- 46.7	0.1359	0.2214	0.3074	0.3938	0.4805	0.5673	0.6543	0.7414	0.8287	0.9160	1.0034	1.0909	1.1785	1.2662	1.3539	1.4417	1.5295	1.6174	23.5
41.1-43.0	46.8- 49.1	0.1495	0.2437	0.3386	0.4338	0.5293	0.6250	0.7209	0.8169	0.9130	1.0093	1.1057	1.2021	1.2986	1.3953	1.4919	1.5887	1.6855	1.7824	23.8
43.1-45.0	49.3- 51.6	0.1637	0.2671	0.3712	0.4757	0.5805	0.6855	0.7907	0.8960	1.0016	1.1072	1.2129	1.3188	1.4247	1.5307	1.6368	1.7430	1.8492	1.9555	24.1
45.1-47.0	51.7- 54.0	0.1785	0.2916	0.4053	0.5195	0.6340	0.7488	0.8638	0.9790	1.0943	1.2097	1.3253	1.4409	1.5567	1.6726	1.7885	1.9046	2.0207	2.1368	24.4
47.1-49.0	54.2- 56.5	0.1940	0.3171	0.4410	0.5653	0.6901	0.8150	0.9402	1.0656	1.1912	1.3169	1.4427	1.5687	1.6948	1.8209	1.9472	2.0735	2.2000	2.3265	24.6
49.1-51.0	56.6- 59.0	0.2102	0.3437	0.4782	0.6131	0.7485	0.8841	1.0200	1.1561	1.2924	1.4288	1.5653	1.7020	1.8389	1.9758	2.1128	2.2499	2.3871	2.5244	24.8
51.1-53.0	59.1- 61.5	0.2269	0.3715	0.5169	0.6629	0.8094	0.9561	1.1031	1.2504	1.3978	1.5454	1.6931	1.8410	1.9891	2.1372	2.2855	2.4338	2.5823	2.7308	25.0
53.1-55.0	61.6- 64.0	0.2443	0.4003	0.5572	0.7147	0.8727	1.0310	1.1896	1.3485	1.5075	1.6668	1.8262	1.9857	2.1454	2.3052	2.4652	2.6252	2.7854	2.9456	25.2
55.1-57.0	64.2- 66.6	0.2624	0.4302	0.5990	0.7685	0.9385	1.1089	1.2795	1.4504	1.6216	1.7929	1.9644	2.1361	2.3079	2.4799	2.6520	2.8242	2.9966	3.1690	25.4
57.1-59.0	66.7- 69.1	0.2811	0.4612	0.6424	0.8244	1.0068	1.1897	1.3729	1.5563	1.7400	1.9239	2.1080	2.2923	2.4767	2.6613	2.8460	3.0309	3.2158	3.4009	25.5
59.1-61.0	69.3- 71.7	0.3004	0.4933	0.6874	0.8823	1.0777	1.2735	1.4696	1.6661	1.8628	2.0597	2.2569	2.4542	2.6518	2.8494	3.0473	3.2452	3.4433	3.6415	25.7
61.1-63.0	71.8- 74.3	0.3204	0.5266	0.7340	0.9422	1.1510	1.3603	1.5699	1.7798	1.9900	2.2005	2.4112	2.6221	2.8331	3.0444	3.2558	3.4673	3.6790	3.8908	25.8
63.1-65.0	74.4- 76.9	0.3411	0.5609	0.7821	1.0042	1.2269	1.4501	1.6736	1.8975	2.1217	2.3462	2.5709	2.7958	3.0209	3.2462	3.4716	3.6972	3.9230	4.1489	25.9
65.1-67.0	77.0- 79.5	0.3624	0.5964	0.8319	1.0683	1.3053	1.5429	1.7809	2.0192	2.2579	2.4968	2.7360	2.9754	3.2150	3.4549	3.6949	3.9350	4.1753	4.4158	26.0
67.1-69.0	79.7- 82.2	0.3844	0.6330	0.8833	1.1345	1.3864	1.6388	1.8917	2.1450	2.3986	2.6525	2.9066	3.1610	3.4157	3.6705	3.9255	4.1807	4.4361	4.6917	26.1
69.1-71.0	82.3- 84.8	0.4070	0.6708	0.9363	1.2028	1.4700	1.7378	2.0061	2.2748	2.5438	2.8132	3.0828	3.3527	3.6228	3.8932	4.1637	4.4345	4.7054	4.9765	26.1
71.1-73.0	85.0- 87.5	0.4303	0.7097	0.9909	1.2732	1.5562	1.8399	2.1241	2.4087	2.6936	2.9789	3.2645	3.5504	3.8365	4.1229	4.4095	4.6962	4.9832	5.2703	26.2
73.1-75.0	87.6- 90.2	0.4543	0.7498	1.0472	1.3457	1.6451	1.9451	2.2457	2.5467	2.8481	3.1498	3.4519	3.7542	4.0569	4.3597	4.6628	4.9661	5.2696	5.5733	26.3
75.1-77.0	90.3- 92.9	0.4789	0.7910	1.1051	1.4205	1.7366	2.0535	2.3709	2.6888	3.0072	3.3259	3.6449	3.9642	4.2839	4.6037	4.9239	5.2442	5.5648	5.8855	26.3
77.1-79.0	93.0- 95.6	0.5042	0.8334	1.1647	1.4973	1.8308	2.1650	2.4999	2.8352	3.1709	3.5071	3.8436	4.1804	4.5176	4.8550	5.1926	5.5305	5.8686	6.2070	26.4
79.1-81.0	95.7- 98.4	0.5302	0.8770	1.2260	1.5764	1.9277	2.2798	2.6325	2.9857	3.3394	3.6936	4.0481	4.4029	4.7581	5.1135	5.4692	5.8252	6.1814	6.5378	26.4

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Table 18. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.4- 14.5	0.0017	0.0038	0.0060	0.0082	0.0104	0.0126	0.0149	0.0172	0.0194	0.0217	0.0240	0.0263	0.0286	0.0309	0.0332	0.0355	0.0378	0.0401	13.0
13.1-15.0	14.6- 16.7	0.0094	0.0160	0.0227	0.0294	0.0362	0.0429	0.0497	0.0566	0.0634	0.0702	0.0771	0.0839	0.0908	0.0976	0.1045	0.1114	0.1183	0.1252	14.4
15.1-17.0	16.8- 18.9	0.0168	0.0278	0.0389	0.0501	0.0613	0.0725	0.0838	0.0951	0.1063	0.1177	0.1290	0.1403	0.1516	0.1630	0.1743	0.1857	0.1971	0.2084	15.6
17.1-19.0	19.0- 21.1	0.0240	0.0393	0.0547	0.0702	0.0858	0.1014	0.1170	0.1326	0.1483	0.1640	0.1797	0.1954	0.2111	0.2269	0.2426	0.2584	0.2742	0.2899	16.7
19.1-21.0	21.2- 23.4	0.0313	0.0511	0.0710	0.0911	0.1112	0.1313	0.1515	0.1717	0.1920	0.2122	0.2325	0.2528	0.2731	0.2934	0.3138	0.3341	0.3545	0.3749	17.7
21.1-23.0	23.5- 25.6	0.0391	0.0637	0.0884	0.1133	0.1382	0.1632	0.1882	0.2133	0.2384	0.2635	0.2887	0.3139	0.3391	0.3643	0.3895	0.4148	0.4400	0.4653	18.5
23.1-25.0	25.8- 27.9	0.0474	0.0770	0.1069	0.1370	0.1671	0.1973	0.2275	0.2578	0.2881	0.3185	0.3489	0.3793	0.4097	0.4402	0.4706	0.5011	0.5316	0.5622	19.3
25.1-27.0	28.0- 30.2	0.0562	0.0913	0.1268	0.1623	0.1980	0.2338	0.2696	0.3054	0.3414	0.3773	0.4133	0.4493	0.4854	0.5215	0.5576	0.5937	0.6298	0.6660	20.1
27.1-29.0	30.3- 32.5	0.0655	0.1066	0.1479	0.1894	0.2310	0.2728	0.3146	0.3564	0.3983	0.4403	0.4823	0.5243	0.5664	0.6084	0.6506	0.6927	0.7349	0.7771	20.7
29.1-31.0	32.6- 34.8	0.0755	0.1228	0.1705	0.2183	0.2663	0.3144	0.3625	0.4108	0.4591	0.5074	0.5558	0.6042	0.6527	0.7012	0.7498	0.7984	0.8470	0.8956	21.3
31.1-33.0	35.0- 37.2	0.0861	0.1401	0.1944	0.2490	0.3037	0.3586	0.4135	0.4686	0.5237	0.5788	0.6341	0.6893	0.7446	0.8000	0.8554	0.9108	0.9663	1.0217	21.9
33.1-35.0	37.3- 39.5	0.0973	0.1583	0.2198	0.2815	0.3435	0.4055	0.4676	0.5299	0.5922	0.6546	0.7171	0.7796	0.8421	0.9048	0.9674	1.0301	1.0928	1.1556	22.3
35.1-37.0	39.7- 41.9	0.1091	0.1776	0.2467	0.3160	0.3855	0.4551	0.5249	0.5948	0.6647	0.7348	0.8049	0.8751	0.9453	1.0156	1.0860	1.1563	1.2268	1.2972	22.8
37.1-39.0	42.0- 44.3	0.1215	0.1979	0.2749	0.3522	0.4298	0.5075	0.5853	0.6632	0.7413	0.8194	0.8976	0.9759	1.0542	1.1326	1.2111	1.2896	1.3682	1.4468	23.2
39.1-41.0	44.4- 46.7	0.1345	0.2193	0.3047	0.3904	0.4764	0.5626	0.6489	0.7353	0.8219	0.9085	0.9953	1.0821	1.1690	1.2559	1.3429	1.4300	1.5171	1.6043	23.5
41.1-43.0	46.8- 49.1	0.1481	0.2417	0.3360	0.4305	0.5254	0.6205	0.7157	0.8111	0.9066	1.0022	1.0979	1.1936	1.2895	1.3854	1.4814	1.5775	1.6736	1.7698	23.8
43.1-45.0	49.3- 51.6	0.1624	0.2652	0.3687	0.4726	0.5768	0.6812	0.7858	0.8905	0.9954	1.1004	1.2055	1.3107	1.4159	1.5213	1.6267	1.7322	1.8378	1.9435	24.1
45.1-47.0	51.7- 54.0	0.1773	0.2898	0.4029	0.5166	0.6305	0.7447	0.8591	0.9736	1.0883	1.2032	1.3181	1.4332	1.5483	1.6635	1.7789	1.8943	2.0097	2.1253	24.4
47.1-49.0	54.2- 56.5	0.1928	0.3154	0.4387	0.5625	0.6866	0.8111	0.9357	1.0605	1.1855	1.3106	1.4358	1.5612	1.6867	1.8122	1.9379	2.0636	2.1894	2.3153	24.6
49.1-51.0	56.6- 59.0	0.2090	0.3421	0.4760	0.6104	0.7452	0.8803	1.0156	1.1512	1.2869	1.4227	1.5587	1.6948	1.8311	1.9674	2.1038	2.2404	2.3770	2.5137	24.8
51.1-53.0	59.1- 61.5	0.2258	0.3698	0.5148	0.6603	0.8062	0.9524	1.0989	1.2456	1.3925	1.5395	1.6867	1.8341	1.9815	2.1291	2.2768	2.4245	2.5724	2.7204	25.0
53.1-55.0	61.6- 64.0	0.2433	0.3987	0.5551	0.7122	0.8697	1.0275	1.1855	1.3439	1.5024	1.6611	1.8199	1.9790	2.1381	2.2974	2.4568	2.6162	2.7758	2.9355	25.2
55.1-57.0	64.2- 66.6	0.2613	0.4287	0.5971	0.7661	0.9356	1.1054	1.2756	1.4460	1.6166	1.7874	1.9584	2.1296	2.3009	2.4723	2.6438	2.8155	2.9873	3.1592	25.4
57.1-59.0	66.7- 69.1	0.2801	0.4597	0.6405	0.8220	1.0040	1.1863	1.3690	1.5520	1.7352	1.9186	2.1022	2.2859	2.4698	2.6539	2.8381	3.0224	3.2068	3.3914	25.5
59.1-61.0	69.3- 71.7	0.2995	0.4919	0.6856	0.8800	1.0749	1.2702	1.4659	1.6619	1.8581	2.0546	2.2512	2.4481	2.6451	2.8422	3.0395	3.2369	3.4345	3.6322	25.7
61.1-63.0	71.8- 74.3	0.3195	0.5252	0.7322	0.9400	1.1483	1.3571	1.5663	1.7757	1.9855	2.1954	2.4056	2.6160	2.8266	3.0373	3.2482	3.4592	3.6704	3.8817	25.8
63.1-65.0	74.4- 76.9	0.3402	0.5596	0.7804	1.0020	1.2243	1.4470	1.6701	1.8935	2.1173	2.3412	2.5655	2.7899	3.0145	3.2393	3.4642	3.6893	3.9146	4.1400	25.9
65.1-67.0	77.0- 79.5	0.3615	0.5951	0.8302	1.0662	1.3028	1.5399	1.7774	2.0153	2.2535	2.4920	2.7307	2.9697	3.2088	3.4481	3.6876	3.9273	4.1671	4.4071	26.0
67.1-69.0	79.7- 82.2	0.3835	0.6318	0.8816	1.1324	1.3839	1.6359	1.8883	2.1412	2.3943	2.6478	2.9015	3.1554	3.4096	3.6639	3.9185	4.1732	4.4281	4.6831	26.1
69.1-71.0	82.3- 84.8	0.4061	0.6696	0.9346	1.2007	1.4676	1.7350	2.0028	2.2711	2.5397	2.8086	3.0777	3.3472	3.6168	3.8867	4.1568	4.4271	4.6975	4.9681	26.1
71.1-73.0	85.0- 87.5	0.4294	0.7085	0.9893	1.2712	1.5539	1.8371	2.1209	2.4050	2.6896	2.9744	3.2596	3.5450	3.8307	4.1166	4.4027	4.6890	4.9755	5.2621	26.2
73.1-75.0	87.6- 90.2	0.4534	0.7486	1.0456	1.3438	1.6428	1.9424	2.2425	2.5431	2.8441	3.1454	3.4470	3.7489	4.0511	4.3535	4.6562	4.9590	5.2620	5.5653	26.3
75.1-77.0	90.3- 92.9	0.4781	0.7898	1.1036	1.4186	1.7344	2.0508	2.3679	2.6854	3.0033	3.3215	3.6401	3.9590	4.2782	4.5976	4.9173	5.2372	5.5573	5.8776	26.3
77.1-79.0	93.0- 95.6	0.5034	0.8323	1.1632	1.4955	1.8286	2.1624	2.4968	2.8318	3.1671	3.5029	3.8389	4.1753	4.5120	4.8490	5.1862	5.5236	5.8613	6.1991	26.4
79.1-81.0	95.7- 98.4	0.5294	0.8759	1.2245	1.5746	1.9255	2.2772	2.6295	2.9824	3.3357	3.6894	4.0435	4.3979	4.7526	5.1076	5.4629	5.8184	6.1741	6.5300	26.4

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 19. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: BALSAM POPLAR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.4- 14.5	0.0000	0.0000	0.0008	0.0018	0.0027	0.0037	0.0047	0.0057	0.0067	0.0077	0.0087	0.0097	0.0107	0.0118	0.0128	0.0138	0.0149	0.0159	13.0
13.1-15.0	14.6- 16.7	0.0050	0.0093	0.0136	0.0180	0.0224	0.0268	0.0312	0.0357	0.0402	0.0446	0.0491	0.0536	0.0581	0.0626	0.0671	0.0717	0.0762	0.0807	14.4
15.1-17.0	16.8- 18.9	0.0136	0.0230	0.0324	0.0420	0.0515	0.0611	0.0707	0.0804	0.0900	0.0997	0.1093	0.1190	0.1287	0.1384	0.1481	0.1578	0.1675	0.1772	15.6
17.1-19.0	19.0- 21.1	0.0216	0.0357	0.0500	0.0643	0.0787	0.0931	0.1076	0.1220	0.1365	0.1510	0.1655	0.1801	0.1946	0.2092	0.2237	0.2383	0.2529	0.2675	16.7
19.1-21.0	21.2- 23.4	0.0295	0.0483	0.0673	0.0864	0.1056	0.1248	0.1441	0.1634	0.1827	0.2020	0.2213	0.2407	0.2601	0.2795	0.2989	0.3183	0.3377	0.3572	17.7
21.1-23.0	23.5- 25.6	0.0375	0.0613	0.0853	0.1094	0.1336	0.1578	0.1820	0.2063	0.2307	0.2550	0.2794	0.3038	0.3282	0.3527	0.3771	0.4016	0.4261	0.4505	18.5
23.1-25.0	25.8- 27.9	0.0460	0.0750	0.1043	0.1336	0.1631	0.1926	0.2222	0.2518	0.2814	0.3111	0.3408	0.3706	0.4003	0.4301	0.4599	0.4898	0.5196	0.5494	19.3
25.1-27.0	28.0- 30.2	0.0550	0.0896	0.1244	0.1594	0.1945	0.2296	0.2649	0.3001	0.3355	0.3708	0.4062	0.4417	0.4771	0.5126	0.5481	0.5836	0.6192	0.6547	20.1
27.1-29.0	30.3- 32.5	0.0645	0.1050	0.1458	0.1868	0.2279	0.2690	0.3103	0.3516	0.3930	0.4344	0.4759	0.5174	0.5589	0.6005	0.6420	0.6837	0.7253	0.7669	20.7
29.1-31.0	32.6- 34.8	0.0745	0.1214	0.1685	0.2159	0.2634	0.3110	0.3586	0.4064	0.4542	0.5021	0.5500	0.5979	0.6459	0.6940	0.7420	0.7901	0.8382	0.8864	21.3
31.1-33.0	35.0- 37.2	0.0852	0.1387	0.1926	0.2468	0.3011	0.3555	0.4100	0.4646	0.5192	0.5739	0.6287	0.6835	0.7384	0.7933	0.8482	0.9032	0.9582	1.0132	21.9
33.1-35.0	37.3- 39.5	0.0964	0.1571	0.2181	0.2795	0.3410	0.4026	0.4643	0.5262	0.5881	0.6500	0.7121	0.7742	0.8363	0.8985	0.9607	1.0230	1.0853	1.1476	22.3
35.1-37.0	39.7- 41.9	0.1083	0.1764	0.2451	0.3140	0.3831	0.4524	0.5218	0.5913	0.6609	0.7305	0.8002	0.8700	0.9399	1.0098	1.0797	1.1497	1.2197	1.2898	22.8
37.1-39.0	42.0- 44.3	0.1207	0.1968	0.2735	0.3504	0.4276	0.5049	0.5824	0.6600	0.7376	0.8154	0.8932	0.9711	1.0491	1.1271	1.2052	1.2834	1.3615	1.4398	23.2
39.1-41.0	44.4- 46.7	0.1338	0.2183	0.3033	0.3887	0.4743	0.5602	0.6461	0.7322	0.8184	0.9047	0.9911	1.0776	1.1641	1.2507	1.3374	1.4241	1.5108	1.5976	23.5
41.1-43.0	46.8- 49.1	0.1475	0.2407	0.3346	0.4289	0.5234	0.6182	0.7131	0.8081	0.9033	0.9986	1.0939	1.1894	1.2849	1.3805	1.4762	1.5719	1.6677	1.7635	23.8
43.1-45.0	49.3- 51.6	0.1618	0.2643	0.3674	0.4710	0.5749	0.6790	0.7833	0.8877	0.9922	1.0969	1.2017	1.3066	1.4115	1.5166	1.6217	1.7269	1.8321	1.9374	24.1
45.1-47.0	51.7- 54.0	0.1767	0.2889	0.4017	0.5151	0.6287	0.7426	0.8567	0.9710	1.0854	1.1999	1.3145	1.4293	1.5441	1.6590	1.7740	1.8891	2.0043	2.1195	24.4
47.1-49.0	54.2- 56.5	0.1923	0.3145	0.4376	0.5611	0.6849	0.8091	0.9334	1.0579	1.1826	1.3075	1.4324	1.5575	1.6826	1.8079	1.9333	2.0587	2.1842	2.3098	24.6
49.1-51.0	56.6- 59.0	0.2084	0.3412	0.4749	0.6090	0.7436	0.8784	1.0134	1.1487	1.2841	1.4197	1.5554	1.6912	1.8272	1.9632	2.0994	2.2356	2.3719	2.5083	24.8
51.1-53.0	59.1- 61.5	0.2253	0.3690	0.5137	0.6590	0.8046	0.9506	1.0968	1.2432	1.3898	1.5366	1.6835	1.8306	1.9778	2.1251	2.2725	2.4200	2.5676	2.7152	25.0
53.1-55.0	61.6- 64.0	0.2427	0.3979	0.5541	0.7109	0.8681	1.0257	1.1835	1.3416	1.4998	1.6583	1.8169	1.9756	2.1345	2.2935	2.4526	2.6118	2.7712	2.9306	25.2
55.1-57.0	64.2- 66.6	0.2608	0.4279	0.5961	0.7648	0.9341	1.1037	1.2736	1.4438	1.6141	1.7847	1.9554	2.1263	2.2974	2.4685	2.6398	2.8112	2.9827	3.1544	25.4
57.1-59.0	66.7- 69.1	0.2796	0.4590	0.6396	0.8208	1.0025	1.1847	1.3671	1.5498	1.7328	1.9159	2.0993	2.2828	2.4664	2.6503	2.8342	3.0182	3.2024	3.3867	25.5
59.1-61.0	69.3- 71.7	0.2990	0.4912	0.6846	0.8788	1.0735	1.2686	1.4641	1.6598	1.8558	2.0520	2.2484	2.4450	2.6418	2.8387	3.0357	3.2329	3.4302	3.6277	25.7
61.1-63.0	71.8- 74.3	0.3190	0.5245	0.7313	0.9388	1.1470	1.3555	1.5645	1.7737	1.9832	2.1930	2.4029	2.6131	2.8234	3.0339	3.2446	3.4553	3.6663	3.8773	25.8
63.1-65.0	74.4- 76.9	0.3397	0.5589	0.7795	1.0009	1.2230	1.4455	1.6684	1.8916	2.1151	2.3388	2.5628	2.7870	3.0114	3.2360	3.4607	3.6855	3.9106	4.1357	25.9
65.1-67.0	77.0- 79.5	0.3610	0.5945	0.8293	1.0651	1.3015	1.5384	1.7758	2.0134	2.2514	2.4897	2.7282	2.9669	3.2058	3.4449	3.6842	3.9236	4.1632	4.4029	26.0
67.1-69.0	79.7- 82.2	0.3830	0.6311	0.8808	1.1314	1.3826	1.6345	1.8867	2.1393	2.3923	2.6455	2.8990	3.1527	3.4066	3.6608	3.9151	4.1696	4.4242	4.6790	26.1
69.1-71.0	82.3- 84.8	0.4057	0.6689	0.9338	1.1997	1.4664	1.7335	2.0012	2.2692	2.5376	2.8063	3.0753	3.3445	3.6140	3.8836	4.1535	4.4235	4.6937	4.9641	26.1
71.1-73.0	85.0- 87.5	0.4290	0.7079	0.9885	1.2702	1.5527	1.8357	2.1193	2.4033	2.6876	2.9723	3.2572	3.5424	3.8279	4.1136	4.3994	4.6855	4.9718	5.2582	26.2
73.1-75.0	87.6- 90.2	0.4530	0.7480	1.0449	1.3428	1.6416	1.9411	2.2410	2.5414	2.8422	3.1433	3.4447	3.7464	4.0484	4.3506	4.6530	4.9556	5.2584	5.5614	26.3
75.1-77.0	90.3- 92.9	0.4777	0.7893	1.1029	1.4176	1.7332	2.0495	2.3664	2.6837	3.0014	3.3195	3.6379	3.9566	4.2755	4.5948	4.9142	5.2339	5.5538	5.8738	26.3
77.1-79.0	93.0- 95.6	0.5030	0.8317	1.1625	1.4945	1.8275	2.1612	2.4954	2.8301	3.1653	3.5008	3.8367	4.1729	4.5094	4.8461	5.1831	5.5204	5.8578	6.1955	26.4
79.1-81.0	95.7- 98.4	0.5290	0.8753	1.2238	1.5737	1.9244	2.2760	2.6281	2.9808	3.3339	3.6874	4.0413	4.3955	4.7500	5.1048	5.4599	5.8152	6.1707	6.5264	26.4

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 1. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: DOUGLAS-FIR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
3.1- 5.0	2.5- 5.1	0.0023	0.0035	0.0048	0.0060	0.0072	0.0084	0.0097	0.0109	0.0121	0.0134	0.0146	0.0158	0.0171	0.0183	0.0195	0.0208	0.0220	0.0233	3.1
5.1- 7.0	5.2- 7.7	0.0050	0.0077	0.0103	0.0130	0.0157	0.0184	0.0211	0.0238	0.0264	0.0291	0.0318	0.0345	0.0372	0.0400	0.0427	0.0454	0.0481	0.0508	4.5
7.1- 9.0	7.9- 10.4	0.0085	0.0132	0.0178	0.0224	0.0271	0.0317	0.0364	0.0410	0.0457	0.0504	0.0551	0.0597	0.0644	0.0691	0.0738	0.0785	0.0832	0.0879	6.0
9.1-11.0	10.5- 12.9	0.0129	0.0199	0.0270	0.0341	0.0412	0.0483	0.0554	0.0626	0.0697	0.0769	0.0840	0.0912	0.0983	0.1055	0.1127	0.1199	0.1270	0.1342	7.4
11.1-13.0	13.1- 15.5	0.0180	0.0280	0.0379	0.0479	0.0580	0.0680	0.0781	0.0881	0.0982	0.1083	0.1184	0.1285	0.1387	0.1488	0.1589	0.1691	0.1792	0.1894	8.8
13.1-15.0	15.6- 18.0	0.0239	0.0371	0.0505	0.0638	0.0772	0.0907	0.1041	0.1176	0.1311	0.1446	0.1581	0.1716	0.1852	0.1987	0.2123	0.2259	0.2394	0.2530	10.1
15.1-17.0	18.1- 20.4	0.0305	0.0474	0.0645	0.0817	0.0989	0.1162	0.1335	0.1508	0.1681	0.1855	0.2029	0.2202	0.2377	0.2551	0.2725	0.2900	0.3074	0.3249	11.3
17.1-19.0	20.5- 22.8	0.0377	0.0588	0.0801	0.1014	0.1229	0.1444	0.1660	0.1875	0.2092	0.2308	0.2525	0.2742	0.2959	0.3176	0.3393	0.3611	0.3829	0.4047	12.4
19.1-21.0	23.0- 25.2	0.0455	0.0711	0.0970	0.1230	0.1491	0.1753	0.2015	0.2278	0.2541	0.2804	0.3068	0.3332	0.3596	0.3861	0.4125	0.4390	0.4656	0.4921	13.5
21.1-23.0	25.4- 27.6	0.0540	0.0845	0.1153	0.1463	0.1774	0.2087	0.2400	0.2713	0.3027	0.3342	0.3657	0.3972	0.4287	0.4603	0.4919	0.5236	0.5552	0.5869	14.4
23.1-25.0	27.7- 29.9	0.0631	0.0988	0.1349	0.1713	0.2078	0.2445	0.2812	0.3181	0.3550	0.3919	0.4289	0.4659	0.5030	0.5401	0.5773	0.6144	0.6516	0.6889	15.3
25.1-27.0	30.0- 32.2	0.0727	0.1140	0.1558	0.1979	0.2402	0.2826	0.3252	0.3679	0.4107	0.4535	0.4964	0.5393	0.5823	0.6253	0.6684	0.7115	0.7546	0.7977	16.1
27.1-29.0	32.3- 34.4	0.0830	0.1301	0.1778	0.2260	0.2744	0.3231	0.3718	0.4207	0.4697	0.5188	0.5679	0.6171	0.6664	0.7157	0.7650	0.8144	0.8639	0.9133	16.8
29.1-31.0	34.5- 36.6	0.0938	0.1470	0.2011	0.2556	0.3105	0.3657	0.4210	0.4765	0.5320	0.5877	0.6434	0.6993	0.7552	0.8111	0.8671	0.9232	0.9793	1.0354	17.4
31.1-33.0	36.7- 38.8	0.1051	0.1648	0.2255	0.2867	0.3484	0.4104	0.4726	0.5350	0.5975	0.6601	0.7228	0.7856	0.8485	0.9114	0.9744	1.0375	1.1006	1.1638	18.0
33.1-35.0	38.9- 40.9	0.1171	0.1834	0.2509	0.3192	0.3880	0.4572	0.5266	0.5962	0.6659	0.7358	0.8058	0.8759	0.9461	1.0164	1.0868	1.1572	1.2277	1.2982	18.5
35.1-37.0	41.0- 43.0	0.1295	0.2028	0.2775	0.3531	0.4293	0.5059	0.5828	0.6600	0.7373	0.8148	0.8924	0.9702	1.0480	1.1260	1.2040	1.2821	1.3603	1.4386	19.0
37.1-39.0	43.1- 45.0	0.1426	0.2230	0.3051	0.3883	0.4722	0.5565	0.6413	0.7263	0.8115	0.8969	0.9825	1.0682	1.1540	1.2400	1.3260	1.4121	1.4983	1.5846	19.4
39.1-41.0	45.1- 47.0	0.1562	0.2440	0.3337	0.4248	0.5166	0.6090	0.7019	0.7950	0.8885	0.9821	1.0759	1.1699	1.2640	1.3583	1.4526	1.5470	1.6416	1.7362	19.7
41.1-43.0	47.1- 49.0	0.1703	0.2658	0.3634	0.4625	0.5625	0.6633	0.7645	0.8662	0.9681	1.0702	1.1726	1.2751	1.3778	1.4807	1.5836	1.6867	1.7899	1.8932	20.1
43.1-45.0	49.1- 50.9	0.1850	0.2883	0.3940	0.5014	0.6100	0.7193	0.8292	0.9395	1.0502	1.1612	1.2724	1.3838	1.4954	1.6071	1.7190	1.8310	1.9431	2.0553	20.3
45.1-47.0	51.0- 52.8	0.2003	0.3115	0.4255	0.5415	0.6588	0.7770	0.8958	1.0151	1.1349	1.2549	1.3752	1.4957	1.6165	1.7374	1.8584	1.9797	2.1010	2.2224	20.6
47.1-49.0	52.9- 54.7	0.2161	0.3355	0.4580	0.5828	0.7090	0.8363	0.9643	1.0929	1.2219	1.3513	1.4810	1.6109	1.7411	1.8714	2.0020	2.1327	2.2635	2.3945	20.8
49.1-51.0	54.8- 56.5	0.2325	0.3602	0.4914	0.6252	0.7606	0.8972	1.0346	1.1727	1.3113	1.4502	1.5896	1.7292	1.8690	2.0091	2.1494	2.2898	2.4305	2.5712	21.0
51.1-53.0	56.6- 58.3	0.2495	0.3856	0.5257	0.6687	0.8135	0.9596	1.1067	1.2545	1.4029	1.5517	1.7009	1.8504	2.0003	2.1503	2.3006	2.4511	2.6017	2.7525	21.2
53.1-55.0	58.4- 60.0	0.2670	0.4118	0.5609	0.7132	0.8676	1.0235	1.1805	1.3382	1.4967	1.6556	1.8149	1.9746	2.1346	2.2949	2.4554	2.6162	2.7771	2.9382	21.4
55.1-57.0	60.1- 61.7	0.2852	0.4387	0.5970	0.7588	0.9230	1.0889	1.2559	1.4239	1.5925	1.7618	1.9315	2.1016	2.2720	2.4428	2.6138	2.7851	2.9565	3.1282	21.5
57.1-59.0	61.8- 63.4	0.3039	0.4663	0.6339	0.8054	0.9796	1.1556	1.3330	1.5113	1.6905	1.8702	2.0505	2.2313	2.4124	2.5939	2.7756	2.9576	3.1399	3.3223	21.6
59.1-61.0	63.5- 65.1	0.3233	0.4947	0.6717	0.8531	1.0374	1.2237	1.4116	1.6005	1.7904	1.9809	2.1720	2.3636	2.5556	2.7480	2.9407	3.1337	3.3269	3.5204	21.8
61.1-63.0	65.1- 66.6	0.3433	0.5237	0.7103	0.9017	1.0963	1.2932	1.4917	1.6914	1.8922	2.0937	2.2958	2.4985	2.7016	2.9051	3.1090	3.3132	3.5177	3.7224	21.9
63.1-65.0	66.7- 68.2	0.3639	0.5535	0.7498	0.9513	1.1563	1.3639	1.5733	1.7840	1.9958	2.2085	2.4218	2.6358	2.8502	3.0651	3.2804	3.4960	3.7119	3.9281	21.9
65.1-67.0	68.3- 69.7	0.3852	0.5840	0.7900	1.0018	1.2175	1.4359	1.6563	1.8782	2.1013	2.3253	2.5500	2.7755	3.0014	3.2279	3.4547	3.6820	3.9095	4.1374	22.0
67.1-69.0	69.8- 71.2	0.4071	0.6152	0.8311	1.0532	1.2797	1.5091	1.7407	1.9739	2.2084	2.4440	2.6804	2.9174	3.1551	3.3933	3.6320	3.8710	4.1104	4.3502	22.1
69.1-71.0	71.3- 72.7	0.4297	0.6472	0.8730	1.1056	1.3429	1.5834	1.8264	2.0711	2.3173	2.5645	2.8127	3.0616	3.3112	3.5614	3.8120	4.0631	4.3145	4.5663	22.2
71.1-73.0	72.7- 74.1	0.4530	0.6799	0.9157	1.1589	1.4071	1.6590	1.9134	2.1698	2.4277	2.6869	2.9470	3.2080	3.4696	3.7319	3.9947	4.2580	4.5217	4.7857	22.2
73.1-75.0	74.1- 75.4	0.4769	0.7133	0.9592	1.2130	1.4724	1.7356	2.0017	2.2699	2.5398	2.8109	3.0832	3.3564	3.6303	3.9048	4.1800	4.4557	4.7318	5.0083	22.3
75.1-77.0	75.5- 76.8	0.5016	0.7474	1.0035	1.2681	1.5386	1.8134	2.0912	2.3714	2.6533	2.9367	3.2212	3.5067	3.7931	4.0801	4.3678	4.6560	4.9447	5.2338	22.3
77.1-79.0	76.8- 78.1	0.5270	0.7823	1.0485	1.3240	1.6058	1.8922	2.1820	2.4742	2.7683	3.0640	3.3610	3.6590	3.9580	4.2576	4.5580	4.8589	5.1604	5.4623	22.3
79.1-81.0	78.1- 79.3	0.5531	0.8180	1.0944	1.3807	1.6740	1.9721	2.2738	2.5783	2.8848	3.1930	3.5025	3.8132	4.1249	4.4373	4.7505	5.0643	5.3787	5.6936	22.4

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 7. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: DOUGLAS-FIR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.9- 10.4	0.0013	0.0024	0.0035	0.0046	0.0057	0.0068	0.0079	0.0090	0.0101	0.0112	0.0123	0.0135	0.0146	0.0157	0.0168	0.0179	0.0191	0.0202	6.0
9.1-11.0	10.5- 12.9	0.0074	0.0126	0.0179	0.0232	0.0285	0.0339	0.0393	0.0446	0.0500	0.0554	0.0608	0.0662	0.0716	0.0771	0.0825	0.0879	0.0933	0.0988	7.4
11.1-13.0	13.1- 15.5	0.0125	0.0211	0.0297	0.0384	0.0472	0.0560	0.0647	0.0735	0.0823	0.0912	0.1000	0.1088	0.1177	0.1265	0.1354	0.1443	0.1532	0.1620	8.8
13.1-15.0	15.6- 18.0	0.0177	0.0298	0.0421	0.0544	0.0667	0.0790	0.0914	0.1038	0.1163	0.1287	0.1412	0.1537	0.1662	0.1787	0.1912	0.2037	0.2162	0.2288	10.1
15.1-17.0	18.1- 20.4	0.0233	0.0393	0.0554	0.0716	0.0879	0.1042	0.1205	0.1369	0.1533	0.1697	0.1861	0.2026	0.2191	0.2356	0.2521	0.2686	0.2851	0.3017	11.3
17.1-19.0	20.5- 22.8	0.0292	0.0494	0.0698	0.0903	0.1109	0.1315	0.1522	0.1729	0.1936	0.2144	0.2352	0.2560	0.2769	0.2978	0.3187	0.3396	0.3605	0.3814	12.4
19.1-21.0	23.0- 25.2	0.0356	0.0603	0.0853	0.1105	0.1358	0.1611	0.1865	0.2119	0.2374	0.2629	0.2885	0.3141	0.3397	0.3653	0.3910	0.4167	0.4424	0.4681	13.5
21.1-23.0	25.4- 27.6	0.0423	0.0720	0.1020	0.1322	0.1625	0.1929	0.2234	0.2539	0.2845	0.3152	0.3459	0.3766	0.4074	0.4382	0.4690	0.4999	0.5308	0.5617	14.4
23.1-25.0	27.7- 29.9	0.0494	0.0844	0.1197	0.1553	0.1910	0.2269	0.2628	0.2989	0.3350	0.3711	0.4074	0.4436	0.4799	0.5163	0.5526	0.5890	0.6255	0.6620	15.3
25.1-27.0	30.0- 32.2	0.0569	0.0974	0.1385	0.1798	0.2213	0.2630	0.3048	0.3467	0.3886	0.4307	0.4728	0.5149	0.5571	0.5994	0.6417	0.6840	0.7264	0.7688	16.1
27.1-29.0	32.3- 34.4	0.0648	0.1112	0.1582	0.2056	0.2533	0.3011	0.3491	0.3972	0.4454	0.4937	0.5420	0.5904	0.6389	0.6874	0.7360	0.7846	0.8333	0.8820	16.8
29.1-31.0	34.5- 36.6	0.0730	0.1256	0.1789	0.2328	0.2869	0.3412	0.3957	0.4504	0.5051	0.5600	0.6150	0.6700	0.7251	0.7803	0.8355	0.8908	0.9461	1.0015	17.4
31.1-33.0	36.7- 38.8	0.0815	0.1406	0.2006	0.2611	0.3220	0.3832	0.4446	0.5061	0.5678	0.6296	0.6915	0.7535	0.8156	0.8777	0.9399	1.0022	1.0646	1.1270	18.0
33.1-35.0	38.9- 40.9	0.0903	0.1562	0.2231	0.2907	0.3587	0.4271	0.4956	0.5644	0.6333	0.7024	0.7716	0.8408	0.9102	0.9797	1.0492	1.1188	1.1885	1.2583	18.5
35.1-37.0	41.0- 43.0	0.0995	0.1724	0.2465	0.3215	0.3969	0.4727	0.5488	0.6251	0.7015	0.7782	0.8550	0.9319	1.0089	1.0860	1.1632	1.2405	1.3178	1.3953	19.0
37.1-39.0	43.1- 45.0	0.1089	0.1891	0.2708	0.3533	0.4365	0.5200	0.6039	0.6881	0.7724	0.8570	0.9416	1.0265	1.1114	1.1965	1.2817	1.3670	1.4523	1.5378	19.4
39.1-41.0	45.1- 47.0	0.1187	0.2064	0.2959	0.3863	0.4774	0.5690	0.6610	0.7533	0.8458	0.9386	1.0315	1.1246	1.2178	1.3111	1.4046	1.4982	1.5918	1.6856	19.7
41.1-43.0	47.1- 49.0	0.1288	0.2243	0.3217	0.4203	0.5197	0.6196	0.7200	0.8207	0.9217	1.0229	1.1244	1.2260	1.3278	1.4297	1.5317	1.6339	1.7362	1.8386	20.1
43.1-45.0	49.1- 50.9	0.1391	0.2427	0.3483	0.4553	0.5632	0.6717	0.7808	0.8902	0.9999	1.1099	1.2202	1.3306	1.4413	1.5520	1.6630	1.7740	1.8852	1.9965	20.3
45.1-47.0	51.0- 52.8	0.1497	0.2615	0.3756	0.4913	0.6079	0.7253	0.8433	0.9617	1.0805	1.1995	1.3189	1.4384	1.5582	1.6781	1.7982	1.9184	2.0388	2.1593	20.6
47.1-49.0	52.9- 54.7	0.1607	0.2809	0.4037	0.5282	0.6539	0.7804	0.9075	1.0352	1.1632	1.2916	1.4203	1.5492	1.6784	1.8078	1.9373	2.0670	2.1968	2.3268	20.8
49.1-51.0	54.8- 56.5	0.1719	0.3007	0.4325	0.5661	0.7010	0.8369	0.9734	1.1106	1.2482	1.3861	1.5244	1.6630	1.8018	1.9409	2.0801	2.2195	2.3591	2.4988	21.0
51.1-53.0	56.6- 58.3	0.1833	0.3211	0.4619	0.6048	0.7492	0.8946	1.0409	1.1878	1.3351	1.4829	1.6311	1.7796	1.9283	2.0773	2.2265	2.3759	2.5255	2.6753	21.2
53.1-55.0	58.4- 60.0	0.1951	0.3419	0.4920	0.6444	0.7985	0.9537	1.1099	1.2667	1.4241	1.5820	1.7403	1.8989	2.0578	2.2170	2.3764	2.5360	2.6959	2.8559	21.4
55.1-57.0	60.1- 61.7	0.2071	0.3631	0.5227	0.6849	0.8488	1.0141	1.1803	1.3474	1.5150	1.6832	1.8518	2.0208	2.1901	2.3598	2.5297	2.6998	2.8701	3.0407	21.5
57.1-59.0	61.8- 63.4	0.2195	0.3848	0.5541	0.7261	0.9002	1.0756	1.2522	1.4297	1.6078	1.7865	1.9657	2.1453	2.3253	2.5056	2.6862	2.8670	3.0481	3.2294	21.6
59.1-61.0	63.5- 65.1	0.2321	0.4070	0.5860	0.7682	0.9525	1.1384	1.3255	1.5136	1.7024	1.8918	2.0818	2.2723	2.4631	2.6543	2.8458	3.0376	3.2297	3.4220	21.8
61.1-63.0	65.1- 66.6	0.2450	0.4296	0.6186	0.8110	1.0058	1.2023	1.4001	1.5990	1.7987	1.9991	2.2001	2.4016	2.6035	2.8058	3.0085	3.2115	3.4147	3.6182	21.9
63.1-65.0	66.7- 68.2	0.2581	0.4526	0.6518	0.8546	1.0599	1.2672	1.4760	1.6859	1.8967	2.1083	2.3205	2.5332	2.7465	2.9601	3.1741	3.3885	3.6031	3.8181	21.9
65.1-67.0	68.3- 69.7	0.2716	0.4761	0.6855	0.8989	1.1150	1.3333	1.5531	1.7742	1.9963	2.2192	2.4429	2.6671	2.8918	3.1170	3.3426	3.5685	3.7948	4.0214	22.0
67.1-69.0	69.8- 71.2	0.2853	0.5000	0.7198	0.9439	1.1710	1.4003	1.6315	1.8639	2.0975	2.3320	2.5672	2.8031	3.0395	3.2764	3.5137	3.7515	3.9896	4.2280	22.1
69.1-71.0	71.3- 72.7	0.2993	0.5243	0.7547	0.9896	1.2278	1.4684	1.7110	1.9550	2.2002	2.4464	2.6934	2.9411	3.1894	3.4382	3.6875	3.9373	4.1874	4.4379	22.2
71.1-73.0	72.7- 74.1	0.3136	0.5490	0.7901	1.0359	1.2854	1.5375	1.7916	2.0473	2.3043	2.5624	2.8214	3.0811	3.3415	3.6024	3.8639	4.1258	4.3881	4.6508	22.2
73.1-75.0	74.1- 75.4	0.3282	0.5742	0.8260	1.0830	1.3438	1.6074	1.8733	2.1409	2.4099	2.6800	2.9511	3.2230	3.4957	3.7689	4.0427	4.3169	4.5916	4.8668	22.3
75.1-77.0	75.5- 76.8	0.3431	0.5998	0.8625	1.1307	1.4029	1.6783	1.9561	2.2357	2.5168	2.7992	3.0826	3.3668	3.6518	3.9375	4.2238	4.5106	4.7979	5.0856	22.3
77.1-79.0	76.8- 78.1	0.3583	0.6258	0.8995	1.1790	1.4628	1.7501	2.0398	2.3316	2.6250	2.9198	3.2156	3.5124	3.8100	4.1083	4.4072	4.7067	5.0067	5.3072	22.3
79.1-81.0	78.1- 79.3	0.3738	0.6522	0.9370	1.2279	1.5235	1.8227	2.1246	2.4287	2.7345	3.0417	3.3502	3.6596	3.9700	4.2810	4.5928	4.9052	5.2181	5.5314	22.4

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 8. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: DOUGLAS-FIR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	13.1- 15.5	0.0045	0.0079	0.0113	0.0146	0.0180	0.0214	0.0247	0.0281	0.0315	0.0349	0.0383	0.0417	0.0451	0.0485	0.0519	0.0553	0.0587	0.0622	8.8
13.1-15.0	15.6- 18.0	0.0122	0.0213	0.0306	0.0400	0.0494	0.0589	0.0684	0.0779	0.0875	0.0970	0.1066	0.1162	0.1258	0.1354	0.1450	0.1546	0.1642	0.1739	10.1
15.1-17.0	18.1- 20.4	0.0191	0.0329	0.0469	0.0610	0.0752	0.0895	0.1038	0.1181	0.1324	0.1468	0.1612	0.1756	0.1900	0.2044	0.2188	0.2333	0.2477	0.2622	11.3
17.1-19.0	20.5- 22.8	0.0257	0.0442	0.0629	0.0818	0.1007	0.1197	0.1387	0.1578	0.1769	0.1960	0.2151	0.2343	0.2535	0.2727	0.2920	0.3112	0.3305	0.3497	12.4
19.1-21.0	23.0- 25.2	0.0325	0.0558	0.0794	0.1032	0.1271	0.1510	0.1750	0.1991	0.2232	0.2473	0.2714	0.2956	0.3198	0.3441	0.3683	0.3926	0.4169	0.4412	13.5
21.1-23.0	25.4- 27.6	0.0396	0.0680	0.0968	0.1257	0.1548	0.1840	0.2133	0.2427	0.2720	0.3015	0.3309	0.3605	0.3900	0.4196	0.4492	0.4788	0.5084	0.5381	14.4
23.1-25.0	27.7- 29.9	0.0470	0.0807	0.1150	0.1495	0.1841	0.2189	0.2538	0.2888	0.3238	0.3588	0.3940	0.4291	0.4643	0.4996	0.5348	0.5701	0.6055	0.6408	15.3
25.1-27.0	30.0- 32.2	0.0546	0.0941	0.1341	0.1745	0.2150	0.2557	0.2965	0.3374	0.3784	0.4195	0.4606	0.5017	0.5429	0.5842	0.6255	0.6668	0.7082	0.7496	16.1
27.1-29.0	32.3- 34.4	0.0626	0.1081	0.1542	0.2007	0.2474	0.2944	0.3415	0.3887	0.4359	0.4833	0.5307	0.5783	0.6258	0.6734	0.7211	0.7688	0.8165	0.8643	16.8
29.1-31.0	34.5- 36.6	0.0709	0.1226	0.1752	0.2281	0.2814	0.3349	0.3886	0.4424	0.4964	0.5504	0.6045	0.6587	0.7129	0.7672	0.8216	0.8760	0.9305	0.9850	17.4
31.1-33.0	36.7- 38.8	0.0796	0.1378	0.1970	0.2568	0.3169	0.3773	0.4379	0.4987	0.5596	0.6206	0.6817	0.7429	0.8042	0.8655	0.9269	0.9884	1.0499	1.1115	18.0
33.1-35.0	38.9- 40.9	0.0885	0.1535	0.2197	0.2866	0.3539	0.4215	0.4893	0.5573	0.6255	0.6938	0.7623	0.8308	0.8994	0.9681	1.0369	1.1058	1.1747	1.2437	18.5
35.1-37.0	41.0- 43.0	0.0977	0.1698	0.2433	0.3175	0.3923	0.4674	0.5427	0.6183	0.6941	0.7701	0.8461	0.9223	0.9986	1.0750	1.1515	1.2281	1.3047	1.3814	19.0
37.1-39.0	43.1- 45.0	0.1072	0.1867	0.2677	0.3496	0.4320	0.5149	0.5982	0.6816	0.7653	0.8492	0.9332	1.0174	1.1017	1.1861	1.2705	1.3551	1.4398	1.5245	19.4
39.1-41.0	45.1- 47.0	0.1170	0.2041	0.2929	0.3826	0.4731	0.5641	0.6555	0.7471	0.8390	0.9311	1.0234	1.1158	1.2084	1.3011	1.3939	1.4868	1.5798	1.6729	19.7
41.1-43.0	47.1- 49.0	0.1271	0.2220	0.3188	0.4168	0.5155	0.6149	0.7147	0.8148	0.9152	1.0158	1.1166	1.2176	1.3187	1.4200	1.5215	1.6230	1.7246	1.8264	20.1
43.1-45.0	49.1- 50.9	0.1375	0.2404	0.3455	0.4519	0.5592	0.6672	0.7756	0.8845	0.9936	1.1030	1.2127	1.3225	1.4326	1.5427	1.6531	1.7635	1.8741	1.9848	20.3
45.1-47.0	51.0- 52.8	0.1482	0.2594	0.3729	0.4880	0.6041	0.7209	0.8383	0.9562	1.0744	1.1929	1.3116	1.4306	1.5498	1.6691	1.7886	1.9083	2.0281	2.1480	20.6
47.1-49.0	52.9- 54.7	0.1592	0.2788	0.4010	0.5250	0.6501	0.7761	0.9027	1.0298	1.1573	1.2851	1.4133	1.5416	1.6702	1.7990	1.9280	2.0571	2.1864	2.3158	20.8
49.1-51.0	54.8- 56.5	0.1704	0.2987	0.4298	0.5629	0.6973	0.8327	0.9687	1.1053	1.2424	1.3798	1.5176	1.6556	1.7939	1.9324	2.0710	2.2099	2.3489	2.4881	21.0
51.1-53.0	56.6- 58.3	0.1819	0.3190	0.4593	0.6017	0.7456	0.8905	1.0363	1.1826	1.3295	1.4768	1.6244	1.7724	1.9206	2.0690	2.2177	2.3665	2.5156	2.6648	21.2
53.1-55.0	58.4- 60.0	0.1937	0.3399	0.4895	0.6414	0.7950	0.9497	1.1054	1.2617	1.4186	1.5760	1.7337	1.8918	2.0502	2.2089	2.3678	2.5269	2.6862	2.8457	21.4
55.1-57.0	60.1- 61.7	0.2058	0.3611	0.5202	0.6819	0.8454	1.0102	1.1759	1.3425	1.5096	1.6773	1.8454	2.0139	2.1827	2.3519	2.5212	2.6908	2.8607	3.0307	21.5
57.1-59.0	61.8- 63.4	0.2181	0.3829	0.5516	0.7232	0.8968	1.0718	1.2479	1.4249	1.6025	1.7807	1.9594	2.1386	2.3180	2.4978	2.6779	2.8582	3.0388	3.2196	21.6
59.1-61.0	63.5- 65.1	0.2307	0.4051	0.5836	0.7653	0.9491	1.1346	1.3212	1.5088	1.6972	1.8862	2.0757	2.2656	2.4560	2.6467	2.8377	3.0290	3.2206	3.4123	21.8
61.1-63.0	65.1- 66.6	0.2436	0.4277	0.6162	0.8082	1.0025	1.1985	1.3959	1.5943	1.7936	1.9935	2.1941	2.3951	2.5965	2.7984	3.0005	3.2030	3.4058	3.6088	21.9
63.1-65.0	66.7- 68.2	0.2568	0.4507	0.6494	0.8518	1.0567	1.2635	1.4719	1.6813	1.8917	2.1028	2.3145	2.5268	2.7396	2.9527	3.1663	3.3801	3.5943	3.8087	21.9
65.1-67.0	68.3- 69.7	0.2703	0.4742	0.6832	0.8961	1.1118	1.3296	1.5490	1.7697	1.9914	2.2138	2.4370	2.6607	2.8850	3.1097	3.3348	3.5603	3.7861	4.0122	22.0
67.1-69.0	69.8- 71.2	0.2840	0.4981	0.7175	0.9411	1.1678	1.3967	1.6274	1.8595	2.0926	2.3266	2.5614	2.7968	3.0328	3.2692	3.5061	3.7434	3.9810	4.2189	22.1
69.1-71.0	71.3- 72.7	0.2980	0.5225	0.7524	0.9869	1.2246	1.4649	1.7070	1.9506	2.1953	2.4411	2.6877	2.9349	3.1828	3.4311	3.6800	3.9293	4.1789	4.4289	22.2
71.1-73.0	72.7- 74.1	0.3124	0.5472	0.7878	1.0333	1.2823	1.5339	1.7876	2.0429	2.2995	2.5572	2.8157	3.0750	3.3349	3.5954	3.8564	4.1179	4.3797	4.6419	22.2
73.1-75.0	74.1- 75.4	0.3270	0.5724	0.8238	1.0803	1.3407	1.6039	1.8694	2.1366	2.4051	2.6748	2.9455	3.2170	3.4892	3.7619	4.0353	4.3091	4.5833	4.8580	22.3
75.1-77.0	75.5- 76.8	0.3419	0.5980	0.8603	1.1280	1.3999	1.6748	1.9522	2.2314	2.5121	2.7940	3.0770	3.3608	3.6454	3.9306	4.2165	4.5028	4.7896	5.0768	22.3
77.1-79.0	76.8- 78.1	0.3571	0.6241	0.8973	1.1764	1.4598	1.7466	2.0360	2.3273	2.6203	2.9146	3.2101	3.5064	3.8036	4.1014	4.3999	4.6990	4.9985	5.2985	22.3
79.1-81.0	78.1- 79.3	0.3726	0.6505	0.9348	1.2253	1.5205	1.8192	2.1208	2.4244	2.7298	3.0367	3.3447	3.6537	3.9636	4.2742	4.5855	4.8975	5.2099	5.5228	22.4

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 9. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: DOUGLAS-FIR
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	13.1- 15.5	0.0007	0.0018	0.0028	0.0039	0.0049	0.0060	0.0071	0.0083	0.0094	0.0105	0.0117	0.0128	0.0140	0.0151	0.0163	0.0175	0.0186	0.0198	8.8
13.1-15.0	15.6- 18.0	0.0086	0.0152	0.0219	0.0287	0.0355	0.0423	0.0492	0.0561	0.0630	0.0700	0.0769	0.0839	0.0909	0.0979	0.1048	0.1118	0.1188	0.1259	10.1
15.1-17.0	18.1- 20.4	0.0165	0.0288	0.0414	0.0541	0.0668	0.0796	0.0925	0.1054	0.1183	0.1312	0.1442	0.1571	0.1701	0.1831	0.1961	0.2091	0.2221	0.2352	11.3
17.1-19.0	20.5- 22.8	0.0237	0.0411	0.0588	0.0766	0.0945	0.1124	0.1304	0.1485	0.1666	0.1847	0.2028	0.2210	0.2391	0.2573	0.2755	0.2937	0.3120	0.3302	12.4
19.1-21.0	23.0- 25.2	0.0309	0.0533	0.0761	0.0990	0.1221	0.1452	0.1684	0.1916	0.2149	0.2382	0.2615	0.2849	0.3083	0.3317	0.3552	0.3786	0.4021	0.4256	13.5
21.1-23.0	25.4- 27.6	0.0382	0.0658	0.0939	0.1222	0.1506	0.1791	0.2077	0.2363	0.2650	0.2938	0.3226	0.3514	0.3802	0.4091	0.4380	0.4670	0.4959	0.5249	14.4
23.1-25.0	27.7- 29.9	0.0457	0.0788	0.1124	0.1463	0.1804	0.2146	0.2489	0.2832	0.3176	0.3521	0.3866	0.4212	0.4558	0.4904	0.5251	0.5598	0.5945	0.6293	15.3
25.1-27.0	30.0- 32.2	0.0535	0.0924	0.1318	0.1716	0.2116	0.2518	0.2921	0.3324	0.3729	0.4134	0.4540	0.4946	0.5353	0.5760	0.6168	0.6576	0.6984	0.7392	16.1
27.1-29.0	32.3- 34.4	0.0615	0.1065	0.1521	0.1981	0.2444	0.2908	0.3374	0.3841	0.4309	0.4778	0.5248	0.5718	0.6189	0.6660	0.7132	0.7604	0.8076	0.8549	16.8
29.1-31.0	34.5- 36.6	0.0699	0.1211	0.1732	0.2257	0.2786	0.3316	0.3849	0.4383	0.4917	0.5453	0.5990	0.6527	0.7065	0.7604	0.8143	0.8683	0.9223	0.9763	17.4
31.1-33.0	36.7- 38.8	0.0786	0.1364	0.1952	0.2545	0.3143	0.3742	0.4344	0.4948	0.5553	0.6159	0.6766	0.7373	0.7982	0.8591	0.9201	0.9812	1.0423	1.1035	18.0
33.1-35.0	38.9- 40.9	0.0876	0.1522	0.2180	0.2845	0.3514	0.4186	0.4860	0.5537	0.6215	0.6894	0.7575	0.8256	0.8938	0.9622	1.0306	1.0990	1.1676	1.2362	18.5
35.1-37.0	41.0- 43.0	0.0968	0.1686	0.2417	0.3155	0.3899	0.4646	0.5397	0.6149	0.6903	0.7659	0.8416	0.9174	0.9934	1.0694	1.1455	1.2217	1.2980	1.3743	19.0
37.1-39.0	43.1- 45.0	0.1064	0.1855	0.2661	0.3476	0.4298	0.5123	0.5952	0.6784	0.7617	0.8452	0.9289	1.0127	1.0967	1.1807	1.2649	1.3491	1.4334	1.5178	19.4
39.1-41.0	45.1- 47.0	0.1162	0.2029	0.2913	0.3808	0.4710	0.5616	0.6527	0.7440	0.8356	0.9274	1.0193	1.1114	1.2036	1.2960	1.3885	1.4811	1.5737	1.6665	19.7
41.1-43.0	47.1- 49.0	0.1264	0.2209	0.3173	0.4150	0.5135	0.6125	0.7120	0.8118	0.9118	1.0122	1.1127	1.2133	1.3142	1.4152	1.5163	1.6175	1.7188	1.8202	20.1
43.1-45.0	49.1- 50.9	0.1368	0.2393	0.3441	0.4502	0.5572	0.6649	0.7730	0.8816	0.9904	1.0996	1.2089	1.3185	1.4282	1.5381	1.6481	1.7582	1.8685	1.9789	20.3
45.1-47.0	51.0- 52.8	0.1475	0.2583	0.3715	0.4863	0.6021	0.7187	0.8358	0.9534	1.0713	1.1895	1.3080	1.4267	1.5456	1.6646	1.7838	1.9032	2.0227	2.1423	20.6
47.1-49.0	52.9- 54.7	0.1585	0.2777	0.3997	0.5234	0.6483	0.7740	0.9003	1.0271	1.1543	1.2819	1.4098	1.5378	1.6662	1.7947	1.9234	2.0522	2.1812	2.3103	20.8
49.1-51.0	54.8- 56.5	0.1697	0.2977	0.4286	0.5614	0.6955	0.8306	0.9664	1.1027	1.2395	1.3767	1.5142	1.6519	1.7899	1.9281	2.0666	2.2051	2.3439	2.4828	21.0
51.1-53.0	56.6- 58.3	0.1812	0.3181	0.4581	0.6002	0.7438	0.8885	1.0340	1.1801	1.3267	1.4737	1.6211	1.7688	1.9167	2.0649	2.2133	2.3619	2.5107	2.6596	21.2
53.1-55.0	58.4- 60.0	0.1930	0.3389	0.4882	0.6399	0.7932	0.9477	1.1031	1.2592	1.4159	1.5730	1.7305	1.8884	2.0465	2.2049	2.3635	2.5224	2.6814	2.8407	21.4
55.1-57.0	60.1- 61.7	0.2051	0.3602	0.5190	0.6805	0.8437	1.0082	1.1737	1.3401	1.5070	1.6744	1.8423	2.0105	2.1791	2.3480	2.5171	2.6864	2.8560	3.0258	21.5
57.1-59.0	61.8- 63.4	0.2175	0.3820	0.5505	0.7218	0.8951	1.0699	1.2458	1.4225	1.5999	1.7779	1.9564	2.1352	2.3145	2.4940	2.6739	2.8540	3.0343	3.2148	21.6
59.1-61.0	63.5- 65.1	0.2301	0.4042	0.5825	0.7639	0.9475	1.1327	1.3192	1.5065	1.6946	1.8834	2.0727	2.2624	2.4525	2.6430	2.8338	3.0248	3.2161	3.4077	21.8
61.1-63.0	65.1- 66.6	0.2430	0.4268	0.6151	0.8068	1.0009	1.1967	1.3939	1.5921	1.7911	1.9908	2.1911	2.3919	2.5931	2.7947	2.9967	3.1989	3.4014	3.6042	21.9
63.1-65.0	66.7- 68.2	0.2562	0.4499	0.6483	0.8504	1.0551	1.2618	1.4698	1.6791	1.8892	2.1001	2.3116	2.5237	2.7362	2.9492	3.1625	3.3761	3.5900	3.8043	21.9
65.1-67.0	68.3- 69.7	0.2697	0.4734	0.6821	0.8948	1.1103	1.3279	1.5471	1.7675	1.9889	2.2112	2.4341	2.6577	2.8817	3.1062	3.3311	3.5563	3.7819	4.0078	22.0
67.1-69.0	69.8- 71.2	0.2834	0.4973	0.7164	0.9398	1.1663	1.3950	1.6255	1.8573	2.0902	2.3240	2.5586	2.7938	3.0295	3.2658	3.5024	3.7395	3.9769	4.2146	22.1
69.1-71.0	71.3- 72.7	0.2975	0.5216	0.7513	0.9856	1.2231	1.4631	1.7051	1.9484	2.1930	2.4385	2.6849	2.9319	3.1796	3.4277	3.6764	3.9254	4.1748	4.4246	22.2
71.1-73.0	72.7- 74.1	0.3118	0.5464	0.7868	1.0320	1.2808	1.5322	1.7857	2.0408	2.2972	2.5547	2.8130	3.0721	3.3318	3.5921	3.8528	4.1141	4.3757	4.6377	22.2
73.1-75.0	74.1- 75.4	0.3264	0.5716	0.8228	1.0790	1.3392	1.6023	1.8675	2.1345	2.4029	2.6724	2.9428	3.2141	3.4861	3.7586	4.0317	4.3053	4.5794	4.8538	22.3
75.1-77.0	75.5- 76.8	0.3413	0.5972	0.8593	1.1268	1.3984	1.6732	1.9503	2.2293	2.5098	2.7916	3.0743	3.3580	3.6423	3.9274	4.2130	4.4991	4.7857	5.0727	22.3
77.1-79.0	76.8- 78.1	0.3565	0.6232	0.8963	1.1751	1.4584	1.7450	2.0341	2.3253	2.6181	2.9122	3.2074	3.5036	3.8005	4.0982	4.3965	4.6953	4.9947	5.2945	22.3
79.1-81.0	78.1- 79.3	0.3721	0.6497	0.9338	1.2241	1.5191	1.8176	2.1189	2.4224	2.7276	3.0343	3.3421	3.6509	3.9606	4.2710	4.5822	4.8939	5.2061	5.5188	22.4

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 2. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: WHITE BIRCH
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.6- 3.8	0.0005	0.0008	0.0010	0.0013	0.0015	0.0018	0.0020	0.0023	0.0025	0.0028	0.0030	0.0033	0.0035	0.0038	0.0040	0.0043	0.0045	0.0048	4.0
3.1- 5.0	3.9- 6.0	0.0023	0.0035	0.0048	0.0060	0.0072	0.0084	0.0097	0.0109	0.0121	0.0133	0.0146	0.0158	0.0170	0.0183	0.0195	0.0207	0.0219	0.0232	6.1
5.1- 7.0	6.2- 8.3	0.0049	0.0076	0.0103	0.0130	0.0157	0.0184	0.0211	0.0237	0.0264	0.0291	0.0318	0.0345	0.0372	0.0399	0.0426	0.0452	0.0479	0.0506	7.9
7.1- 9.0	8.4- 10.6	0.0083	0.0129	0.0176	0.0222	0.0268	0.0315	0.0361	0.0407	0.0453	0.0500	0.0546	0.0592	0.0639	0.0685	0.0731	0.0778	0.0824	0.0870	9.5
9.1-11.0	10.7- 12.8	0.0125	0.0194	0.0264	0.0333	0.0403	0.0473	0.0543	0.0613	0.0683	0.0753	0.0823	0.0894	0.0964	0.1034	0.1104	0.1174	0.1244	0.1314	11.0
11.1-13.0	12.9- 15.0	0.0173	0.0269	0.0365	0.0462	0.0559	0.0656	0.0754	0.0851	0.0949	0.1046	0.1144	0.1241	0.1339	0.1437	0.1534	0.1632	0.1730	0.1828	12.4
13.1-15.0	15.1- 17.2	0.0228	0.0352	0.0478	0.0605	0.0732	0.0860	0.0988	0.1116	0.1245	0.1373	0.1501	0.1630	0.1759	0.1887	0.2016	0.2144	0.2273	0.2402	13.6
15.1-17.0	17.3- 19.4	0.0288	0.0445	0.0602	0.0761	0.0921	0.1082	0.1243	0.1405	0.1567	0.1729	0.1891	0.2053	0.2216	0.2378	0.2541	0.2703	0.2866	0.3028	14.8
17.1-19.0	19.5- 21.6	0.0355	0.0544	0.0735	0.0929	0.1124	0.1320	0.1517	0.1714	0.1912	0.2110	0.2308	0.2506	0.2705	0.2904	0.3103	0.3301	0.3500	0.3699	15.8
19.1-21.0	21.7- 23.8	0.0428	0.0651	0.0877	0.1106	0.1338	0.1571	0.1805	0.2040	0.2275	0.2511	0.2748	0.2984	0.3221	0.3458	0.3695	0.3933	0.4170	0.4407	16.8
21.1-23.0	23.9- 25.9	0.0508	0.0765	0.1026	0.1292	0.1561	0.1832	0.2105	0.2380	0.2654	0.2930	0.3206	0.3483	0.3759	0.4037	0.4314	0.4591	0.4869	0.5146	17.6
23.1-25.0	26.0- 28.1	0.0593	0.0885	0.1182	0.1485	0.1793	0.2104	0.2416	0.2731	0.3046	0.3363	0.3680	0.3997	0.4316	0.4634	0.4953	0.5272	0.5591	0.5910	18.5
25.1-27.0	28.2- 30.2	0.0685	0.1011	0.1344	0.1685	0.2032	0.2382	0.2736	0.3091	0.3448	0.3806	0.4165	0.4525	0.4886	0.5246	0.5608	0.5969	0.6331	0.6693	19.2
27.1-29.0	30.3- 32.3	0.0783	0.1144	0.1512	0.1891	0.2277	0.2667	0.3062	0.3459	0.3858	0.4258	0.4660	0.5062	0.5466	0.5870	0.6274	0.6679	0.7085	0.7490	19.9
29.1-31.0	32.4- 34.4	0.0888	0.1282	0.1686	0.2101	0.2526	0.2957	0.3392	0.3831	0.4272	0.4716	0.5160	0.5606	0.6053	0.6501	0.6949	0.7398	0.7847	0.8297	20.6
31.1-33.0	34.5- 36.4	0.0999	0.1426	0.1864	0.2316	0.2779	0.3250	0.3727	0.4207	0.4691	0.5177	0.5665	0.6154	0.6645	0.7136	0.7628	0.8121	0.8615	0.9109	21.2
33.1-35.0	36.5- 38.5	0.1118	0.1576	0.2047	0.2535	0.3036	0.3546	0.4063	0.4585	0.5111	0.5639	0.6170	0.6703	0.7237	0.7773	0.8309	0.8847	0.9385	0.9923	21.8
35.1-37.0	38.6- 40.5	0.1245	0.1732	0.2234	0.2757	0.3295	0.3844	0.4401	0.4964	0.5531	0.6102	0.6676	0.7252	0.7829	0.8408	0.8989	0.9570	1.0152	1.0735	22.3
37.1-39.0	40.6- 42.6	0.1379	0.1894	0.2425	0.2981	0.3555	0.4142	0.4738	0.5342	0.5950	0.6563	0.7179	0.7797	0.8418	0.9041	0.9665	1.0290	1.0916	1.1543	22.8
39.1-41.0	42.7- 44.6	0.1521	0.2061	0.2621	0.3208	0.3817	0.4440	0.5075	0.5718	0.6367	0.7020	0.7678	0.8339	0.9002	0.9667	1.0334	1.1003	1.1672	1.2343	23.2
41.1-43.0	44.7- 46.6	0.1672	0.2235	0.2820	0.3437	0.4079	0.4738	0.5410	0.6091	0.6780	0.7474	0.8172	0.8874	0.9579	1.0286	1.0996	1.1707	1.2419	1.3133	23.6
43.1-45.0	46.7- 48.6	0.1831	0.2414	0.3022	0.3668	0.4341	0.5035	0.5743	0.6461	0.7188	0.7921	0.8660	0.9402	1.0148	1.0897	1.1648	1.2400	1.3155	1.3911	24.0
45.1-47.0	48.7- 50.5	0.1999	0.2599	0.3228	0.3900	0.4604	0.5330	0.6072	0.6827	0.7591	0.8362	0.9140	0.9922	1.0707	1.1496	1.2288	1.3082	1.3877	1.4674	24.4
47.1-49.0	50.6- 52.5	0.2177	0.2791	0.3438	0.4134	0.4865	0.5622	0.6398	0.7188	0.7988	0.8796	0.9611	1.0431	1.1256	1.2084	1.2915	1.3749	1.4585	1.5422	24.7
49.1-51.0	52.6- 54.4	0.2364	0.2988	0.3651	0.4368	0.5126	0.5913	0.6720	0.7543	0.8378	0.9222	1.0073	1.0930	1.1793	1.2659	1.3528	1.4401	1.5276	1.6153	25.0
51.1-53.0	54.5- 56.3	0.2562	0.3192	0.3867	0.4604	0.5386	0.6200	0.7038	0.7892	0.8760	0.9638	1.0525	1.1418	1.2317	1.3220	1.4126	1.5036	1.5949	1.6864	25.3
53.1-55.0	56.4- 58.2	0.2770	0.3402	0.4086	0.4840	0.5644	0.6484	0.7350	0.8235	0.9135	1.0046	1.0966	1.1893	1.2827	1.3766	1.4708	1.5655	1.6604	1.7556	25.6
55.1-57.0	58.3- 60.1	0.2989	0.3619	0.4308	0.5076	0.5901	0.6765	0.7657	0.8571	0.9501	1.0443	1.1396	1.2356	1.3323	1.4296	1.5273	1.6255	1.7240	1.8227	25.9
57.1-59.0	60.2- 62.0	0.3219	0.3842	0.4533	0.5314	0.6156	0.7042	0.7959	0.8900	0.9858	1.0830	1.1813	1.2805	1.3805	1.4810	1.5821	1.6836	1.7855	1.8877	26.1
59.1-61.0	62.1- 63.9	0.3462	0.4072	0.4762	0.5551	0.6409	0.7315	0.8256	0.9221	1.0206	1.1207	1.2219	1.3241	1.4271	1.5308	1.6350	1.7398	1.8449	1.9504	26.3
61.1-63.0	64.0- 65.7	0.3717	0.4308	0.4993	0.5789	0.6660	0.7584	0.8546	0.9535	1.0545	1.1572	1.2612	1.3663	1.4722	1.5789	1.6861	1.7939	1.9022	2.0108	26.5
63.1-65.0	65.8- 67.5	0.3984	0.4552	0.5228	0.6027	0.6909	0.7849	0.8830	0.9841	1.0875	1.1926	1.2992	1.4070	1.5157	1.6252	1.7353	1.8460	1.9572	2.0689	26.7
65.1-67.0	67.6- 69.4	0.4265	0.4803	0.5465	0.6265	0.7156	0.8110	0.9108	1.0139	1.1194	1.2269	1.3360	1.4462	1.5575	1.6697	1.7826	1.8961	2.0101	2.1246	26.9
67.1-69.0	69.4- 71.2	0.4560	0.5061	0.5706	0.6503	0.7400	0.8366	0.9380	1.0429	1.1504	1.2601	1.3714	1.4840	1.5978	1.7125	1.8279	1.9440	2.0607	2.1779	27.0
69.1-71.0	71.2- 72.9	0.4869	0.5326	0.5949	0.6741	0.7642	0.8618	0.9645	1.0710	1.1804	1.2921	1.4055	1.5203	1.6364	1.7534	1.8713	1.9899	2.1091	2.2288	27.2
71.1-73.0	73.0- 74.7	0.5193	0.5599	0.6196	0.6979	0.7882	0.8865	0.9904	1.0984	1.2094	1.3229	1.4382	1.5552	1.6734	1.7926	1.9127	2.0336	2.1552	2.2773	27.3
73.1-75.0	74.8- 76.5	0.5532	0.5879	0.6445	0.7216	0.8119	0.9107	1.0156	1.1249	1.2374	1.3525	1.4697	1.5885	1.7087	1.8300	1.9522	2.0753	2.1990	2.3234	27.5
75.1-77.0	76.6- 78.2	0.5888	0.6167	0.6697	0.7454	0.8353	0.9345	1.0402	1.1505	1.2644	1.3810	1.4998	1.6204	1.7423	1.8655	1.9897	2.1148	2.2406	2.3671	27.6
77.1-79.0	78.3- 79.9	0.6260	0.6464	0.6953	0.7691	0.8585	0.9578	1.0641	1.1754	1.2904	1.4084	1.5286	1.6507	1.7744	1.8993	2.0253	2.1523	2.2800	2.4084	27.7
79.1-81.0	80.0- 81.6	0.6649	0.6768	0.7211	0.7928	0.8814	0.9807	1.0874	1.1994	1.3154	1.4345	1.5561	1.6796	1.8048	1.9313	2.0590	2.1876	2.3171	2.4473	27.8

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 13. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: WHITE BIRCH
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	8.4- 10.6	0.0024	0.0042	0.0059	0.0077	0.0094	0.0111	0.0128	0.0145	0.0161	0.0178	0.0195	0.0212	0.0229	0.0245	0.0262	0.0279	0.0296	0.0312	9.5
9.1-11.0	10.7- 12.8	0.0064	0.0115	0.0166	0.0218	0.0270	0.0323	0.0376	0.0429	0.0482	0.0535	0.0588	0.0641	0.0694	0.0747	0.0801	0.0854	0.0907	0.0960	11.0
11.1-13.0	12.9- 15.0	0.0106	0.0188	0.0271	0.0356	0.0441	0.0527	0.0613	0.0699	0.0785	0.0871	0.0957	0.1043	0.1130	0.1216	0.1302	0.1388	0.1475	0.1561	12.4
13.1-15.0	15.1- 17.2	0.0148	0.0262	0.0378	0.0496	0.0615	0.0734	0.0853	0.0972	0.1092	0.1211	0.1331	0.1451	0.1570	0.1690	0.1810	0.1930	0.2050	0.2169	13.6
15.1-17.0	17.3- 19.4	0.0192	0.0340	0.0490	0.0643	0.0796	0.0950	0.1104	0.1259	0.1413	0.1568	0.1723	0.1878	0.2033	0.2189	0.2344	0.2499	0.2654	0.2809	14.8
17.1-19.0	19.5- 21.6	0.0238	0.0421	0.0607	0.0796	0.0985	0.1176	0.1367	0.1559	0.1751	0.1943	0.2135	0.2328	0.2520	0.2713	0.2905	0.3098	0.3291	0.3484	15.8
19.1-21.0	21.7- 23.8	0.0286	0.0506	0.0729	0.0955	0.1183	0.1412	0.1642	0.1872	0.2103	0.2334	0.2565	0.2797	0.3029	0.3261	0.3492	0.3724	0.3956	0.4189	16.8
21.1-23.0	23.9- 25.9	0.0337	0.0594	0.0855	0.1120	0.1387	0.1656	0.1926	0.2196	0.2468	0.2739	0.3011	0.3283	0.3556	0.3828	0.4101	0.4374	0.4647	0.4920	17.6
23.1-25.0	26.0- 28.1	0.0389	0.0685	0.0986	0.1290	0.1598	0.1907	0.2218	0.2530	0.2842	0.3156	0.3469	0.3784	0.4098	0.4413	0.4728	0.5043	0.5358	0.5673	18.5
25.1-27.0	28.2- 30.2	0.0444	0.0779	0.1119	0.1464	0.1812	0.2163	0.2516	0.2870	0.3225	0.3581	0.3937	0.4295	0.4652	0.5010	0.5368	0.5726	0.6084	0.6443	19.2
27.1-29.0	30.3- 32.3	0.0501	0.0876	0.1256	0.1641	0.2031	0.2424	0.2819	0.3215	0.3614	0.4013	0.4413	0.4813	0.5214	0.5616	0.6018	0.6420	0.6822	0.7225	19.9
29.1-31.0	32.4- 34.4	0.0560	0.0976	0.1395	0.1821	0.2252	0.2687	0.3125	0.3565	0.4006	0.4449	0.4893	0.5337	0.5782	0.6228	0.6674	0.7121	0.7568	0.8015	20.6
31.1-33.0	34.5- 36.4	0.0622	0.1078	0.1537	0.2004	0.2476	0.2953	0.3433	0.3916	0.4401	0.4887	0.5375	0.5864	0.6353	0.6844	0.7335	0.7826	0.8318	0.8810	21.2
33.1-35.0	36.5- 38.5	0.0686	0.1182	0.1681	0.2187	0.2700	0.3219	0.3742	0.4267	0.4796	0.5326	0.5858	0.6391	0.6925	0.7459	0.7995	0.8531	0.9068	0.9605	21.8
35.1-37.0	38.6- 40.5	0.0752	0.1289	0.1826	0.2372	0.2926	0.3486	0.4050	0.4618	0.5190	0.5763	0.6339	0.6916	0.7494	0.8073	0.8653	0.9234	0.9816	1.0398	22.3
37.1-39.0	40.6- 42.6	0.0820	0.1397	0.1973	0.2558	0.3151	0.3751	0.4357	0.4968	0.5582	0.6198	0.6817	0.7438	0.8060	0.8683	0.9307	0.9932	1.0558	1.1185	22.8
39.1-41.0	42.7- 44.6	0.0891	0.1508	0.2121	0.2744	0.3376	0.4016	0.4663	0.5315	0.5970	0.6629	0.7291	0.7954	0.8620	0.9286	0.9954	1.0623	1.1293	1.1964	23.2
41.1-43.0	44.7- 46.6	0.0964	0.1621	0.2271	0.2930	0.3600	0.4279	0.4965	0.5658	0.6354	0.7055	0.7758	0.8464	0.9172	0.9882	1.0593	1.1305	1.2018	1.2733	23.6
43.1-45.0	46.7- 48.6	0.1040	0.1736	0.2421	0.3116	0.3823	0.4540	0.5265	0.5996	0.6733	0.7474	0.8219	0.8966	0.9716	1.0468	1.1221	1.1976	1.2732	1.3489	24.0
45.1-47.0	48.7- 50.5	0.1118	0.1853	0.2572	0.3302	0.4044	0.4797	0.5560	0.6330	0.7106	0.7887	0.8672	0.9459	1.0250	1.1043	1.1837	1.2634	1.3431	1.4230	24.4
47.1-49.0	50.6- 52.5	0.1199	0.1972	0.2724	0.3487	0.4263	0.5052	0.5851	0.6658	0.7472	0.8291	0.9115	0.9942	1.0773	1.1606	1.2441	1.3278	1.4116	1.4956	24.7
49.1-51.0	52.6- 54.4	0.1283	0.2092	0.2876	0.3671	0.4480	0.5303	0.6137	0.6980	0.7831	0.8687	0.9549	1.0414	1.1283	1.2155	1.3030	1.3906	1.4784	1.5664	25.0
51.1-53.0	54.5- 56.3	0.1369	0.2215	0.3030	0.3854	0.4695	0.5550	0.6418	0.7296	0.8181	0.9074	0.9972	1.0875	1.1781	1.2691	1.3603	1.4518	1.5435	1.6353	25.3
53.1-55.0	56.4- 58.2	0.1458	0.2340	0.3183	0.4036	0.4907	0.5793	0.6693	0.7604	0.8524	0.9451	1.0384	1.1323	1.2265	1.3212	1.4161	1.5112	1.6066	1.7022	25.6
55.1-57.0	58.3- 60.1	0.1550	0.2467	0.3337	0.4217	0.5116	0.6032	0.6962	0.7905	0.8857	0.9818	1.0785	1.1758	1.2735	1.3717	1.4701	1.5689	1.6679	1.7671	25.9
57.1-59.0	60.2- 62.0	0.1645	0.2595	0.3491	0.4397	0.5322	0.6266	0.7226	0.8198	0.9182	1.0174	1.1174	1.2180	1.3190	1.4205	1.5224	1.6246	1.7271	1.8298	26.1
59.1-61.0	62.1- 63.9	0.1744	0.2726	0.3646	0.4575	0.5526	0.6496	0.7483	0.8484	0.9497	1.0520	1.1550	1.2587	1.3630	1.4678	1.5729	1.6784	1.7842	1.8903	26.3
61.1-63.0	64.0- 65.7	0.1845	0.2859	0.3801	0.4752	0.5726	0.6720	0.7734	0.8762	0.9803	1.0854	1.1914	1.2981	1.4054	1.5133	1.6216	1.7302	1.8392	1.9485	26.5
63.1-65.0	65.8- 67.5	0.1950	0.2994	0.3956	0.4928	0.5923	0.6940	0.7978	0.9032	1.0099	1.1177	1.2265	1.3361	1.4463	1.5571	1.6683	1.7800	1.8920	2.0044	26.7
65.1-67.0	67.6- 69.4	0.2058	0.3130	0.4112	0.5102	0.6116	0.7155	0.8215	0.9293	1.0385	1.1489	1.2603	1.3726	1.4856	1.5991	1.7132	1.8277	1.9426	2.0579	26.9
67.1-69.0	69.4- 71.2	0.2169	0.3269	0.4268	0.5274	0.6307	0.7365	0.8446	0.9546	1.0661	1.1790	1.2928	1.4076	1.5232	1.6394	1.7562	1.8734	1.9911	2.1091	27.0
69.1-71.0	71.2- 72.9	0.2284	0.3410	0.4424	0.5445	0.6494	0.7570	0.8670	0.9791	1.0928	1.2078	1.3240	1.4412	1.5592	1.6779	1.7972	1.9170	2.0372	2.1579	27.2
71.1-73.0	73.0- 74.7	0.2403	0.3554	0.4580	0.5614	0.6677	0.7770	0.8888	1.0027	1.1184	1.2355	1.3539	1.4733	1.5936	1.7146	1.8363	1.9585	2.0812	2.2043	27.3
73.1-75.0	74.8- 76.5	0.2526	0.3699	0.4736	0.5782	0.6858	0.7965	0.9099	1.0255	1.1430	1.2621	1.3825	1.5040	1.6264	1.7496	1.8735	1.9979	2.1229	2.2484	27.5
75.1-77.0	76.6- 78.2	0.2652	0.3846	0.4893	0.5947	0.7034	0.8154	0.9302	1.0475	1.1667	1.2875	1.4098	1.5332	1.6575	1.7828	1.9087	2.0353	2.1624	2.2900	27.6
77.1-79.0	78.3- 79.9	0.2782	0.3996	0.5050	0.6111	0.7208	0.8339	0.9500	1.0686	1.1893	1.3118	1.4357	1.5609	1.6871	1.8142	1.9421	2.0706	2.1997	2.3294	27.7
79.1-81.0	80.0- 81.6	0.2917	0.4148	0.5206	0.6274	0.7377	0.8518	0.9690	1.0889	1.2110	1.3349	1.4604	1.5872	1.7151	1.8439	1.9735	2.1039	2.2349	2.3664	27.8

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 14. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: WHITE BIRCH
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.9- 15.0	0.0059	0.0101	0.0143	0.0183	0.0224	0.0264	0.0304	0.0343	0.0383	0.0422	0.0462	0.0501	0.0541	0.0580	0.0619	0.0659	0.0698	0.0737	12.4
13.1-15.0	15.1- 17.2	0.0107	0.0190	0.0274	0.0359	0.0444	0.0531	0.0618	0.0705	0.0793	0.0881	0.0969	0.1057	0.1146	0.1234	0.1322	0.1411	0.1500	0.1588	13.6
15.1-17.0	17.3- 19.4	0.0157	0.0279	0.0404	0.0532	0.0662	0.0792	0.0923	0.1055	0.1188	0.1320	0.1453	0.1586	0.1719	0.1852	0.1985	0.2119	0.2252	0.2385	14.8
17.1-19.0	19.5- 21.6	0.0207	0.0368	0.0534	0.0703	0.0874	0.1046	0.1219	0.1393	0.1567	0.1742	0.1917	0.2092	0.2267	0.2443	0.2618	0.2794	0.2969	0.3145	15.8
19.1-21.0	21.7- 23.8	0.0258	0.0459	0.0665	0.0874	0.1086	0.1300	0.1514	0.1730	0.1946	0.2163	0.2379	0.2596	0.2814	0.3031	0.3249	0.3467	0.3684	0.3902	16.8
21.1-23.0	23.9- 25.9	0.0311	0.0551	0.0797	0.1048	0.1301	0.1556	0.1813	0.2070	0.2329	0.2588	0.2847	0.3107	0.3366	0.3627	0.3887	0.4147	0.4408	0.4669	17.6
23.1-25.0	26.0- 28.1	0.0366	0.0646	0.0932	0.1224	0.1518	0.1816	0.2115	0.2415	0.2716	0.3018	0.3321	0.3624	0.3927	0.4231	0.4534	0.4838	0.5142	0.5447	18.5
25.1-27.0	28.2- 30.2	0.0422	0.0743	0.1069	0.1402	0.1739	0.2079	0.2421	0.2764	0.3109	0.3454	0.3801	0.4147	0.4495	0.4842	0.5190	0.5538	0.5887	0.6235	19.2
27.1-29.0	30.3- 32.3	0.0480	0.0842	0.1209	0.1583	0.1962	0.2344	0.2729	0.3116	0.3505	0.3894	0.4285	0.4676	0.5068	0.5460	0.5853	0.6246	0.6639	0.7032	19.9
29.1-31.0	32.4- 34.4	0.0541	0.0943	0.1351	0.1766	0.2187	0.2612	0.3040	0.3471	0.3903	0.4337	0.4772	0.5208	0.5644	0.6082	0.6519	0.6957	0.7396	0.7834	20.6
31.1-33.0	34.5- 36.4	0.0603	0.1046	0.1494	0.1950	0.2413	0.2881	0.3352	0.3826	0.4303	0.4781	0.5260	0.5741	0.6222	0.6704	0.7187	0.7671	0.8154	0.8638	21.2
33.1-35.0	36.5- 38.5	0.0668	0.1152	0.1640	0.2136	0.2640	0.3150	0.3664	0.4182	0.4702	0.5224	0.5748	0.6273	0.6799	0.7326	0.7854	0.8383	0.8912	0.9441	21.8
35.1-37.0	38.6- 40.5	0.0735	0.1259	0.1786	0.2323	0.2867	0.3419	0.3975	0.4536	0.5099	0.5665	0.6233	0.6803	0.7374	0.7945	0.8518	0.9092	0.9666	1.0241	22.3
37.1-39.0	40.6- 42.6	0.0804	0.1369	0.1935	0.2510	0.3094	0.3687	0.4285	0.4888	0.5494	0.6103	0.6715	0.7328	0.7943	0.8559	0.9177	0.9795	1.0414	1.1033	22.8
39.1-41.0	42.7- 44.6	0.0875	0.1481	0.2084	0.2697	0.3321	0.3953	0.4592	0.5237	0.5885	0.6537	0.7191	0.7848	0.8507	0.9167	0.9828	1.0490	1.1153	1.1817	23.2
41.1-43.0	44.7- 46.6	0.0949	0.1594	0.2234	0.2884	0.3546	0.4217	0.4896	0.5582	0.6271	0.6965	0.7662	0.8361	0.9062	0.9765	1.0470	1.1176	1.1882	1.2590	23.6
43.1-45.0	46.7- 48.6	0.1025	0.1710	0.2385	0.3071	0.3770	0.4479	0.5197	0.5922	0.6652	0.7386	0.8124	0.8865	0.9609	1.0354	1.1101	1.1849	1.2599	1.3350	24.0
45.1-47.0	48.7- 50.5	0.1104	0.1827	0.2537	0.3258	0.3992	0.4738	0.5494	0.6257	0.7026	0.7801	0.8579	0.9361	1.0145	1.0931	1.1720	1.2510	1.3302	1.4095	24.4
47.1-49.0	50.6- 52.5	0.1185	0.1947	0.2689	0.3443	0.4212	0.4994	0.5786	0.6586	0.7394	0.8207	0.9024	0.9845	1.0670	1.1496	1.2326	1.3156	1.3989	1.4823	24.7
49.1-51.0	52.6- 54.4	0.1269	0.2068	0.2843	0.3628	0.4430	0.5245	0.6073	0.6909	0.7753	0.8604	0.9459	1.0319	1.1182	1.2048	1.2916	1.3787	1.4659	1.5533	25.0
51.1-53.0	54.5- 56.3	0.1356	0.2191	0.2996	0.3812	0.4645	0.5493	0.6354	0.7225	0.8105	0.8992	0.9884	1.0781	1.1681	1.2585	1.3492	1.4401	1.5312	1.6225	25.3
53.1-55.0	56.4- 58.2	0.1445	0.2317	0.3150	0.3995	0.4858	0.5737	0.6630	0.7535	0.8448	0.9370	1.0297	1.1230	1.2167	1.3107	1.4051	1.4997	1.5946	1.6896	25.6
55.1-57.0	58.3- 60.1	0.1538	0.2444	0.3305	0.4176	0.5067	0.5976	0.6900	0.7836	0.8783	0.9737	1.0699	1.1666	1.2638	1.3613	1.4593	1.5575	1.6559	1.7546	25.9
57.1-59.0	60.2- 62.0	0.1633	0.2573	0.3460	0.4357	0.5274	0.6211	0.7164	0.8131	0.9108	1.0094	1.1088	1.2088	1.3094	1.4103	1.5117	1.6133	1.7153	1.8175	26.1
59.1-61.0	62.1- 63.9	0.1732	0.2704	0.3615	0.4535	0.5478	0.6441	0.7422	0.8417	0.9424	1.0441	1.1466	1.2497	1.3534	1.4577	1.5623	1.6672	1.7725	1.8781	26.3
61.1-63.0	64.0- 65.7	0.1833	0.2837	0.3770	0.4713	0.5678	0.6666	0.7673	0.8695	0.9730	1.0776	1.1830	1.2892	1.3960	1.5033	1.6110	1.7192	1.8276	1.9364	26.5
63.1-65.0	65.8- 67.5	0.1938	0.2972	0.3926	0.4889	0.5876	0.6886	0.7917	0.8965	1.0026	1.1099	1.2182	1.3272	1.4369	1.5471	1.6579	1.7690	1.8805	1.9924	26.7
65.1-67.0	67.6- 69.4	0.2047	0.3109	0.4082	0.5063	0.6070	0.7102	0.8155	0.9227	1.0313	1.1411	1.2520	1.3637	1.4762	1.5892	1.7028	1.8168	1.9312	2.0460	26.9
67.1-69.0	69.4- 71.2	0.2158	0.3249	0.4238	0.5236	0.6260	0.7312	0.8386	0.9480	1.0590	1.1712	1.2846	1.3988	1.5139	1.6296	1.7458	1.8626	1.9797	2.0973	27.0
69.1-71.0	71.2- 72.9	0.2274	0.3390	0.4394	0.5407	0.6448	0.7517	0.8611	0.9725	1.0856	1.2001	1.3158	1.4324	1.5499	1.6681	1.7869	1.9062	2.0260	2.1461	27.2
71.1-73.0	73.0- 74.7	0.2393	0.3533	0.4551	0.5576	0.6632	0.7717	0.8828	0.9962	1.1113	1.2279	1.3457	1.4646	1.5843	1.7049	1.8260	1.9478	2.0700	2.1926	27.3
73.1-75.0	74.8- 76.5	0.2515	0.3679	0.4707	0.5744	0.6812	0.7912	0.9039	1.0190	1.1359	1.2545	1.3743	1.4953	1.6171	1.7398	1.8632	1.9872	2.1117	2.2367	27.5
75.1-77.0	76.6- 78.2	0.2642	0.3827	0.4864	0.5910	0.6989	0.8102	0.9243	1.0410	1.1596	1.2799	1.4016	1.5245	1.6483	1.7731	1.8985	2.0246	2.1513	2.2784	27.6
77.1-79.0	78.3- 79.9	0.2772	0.3977	0.5021	0.6074	0.7162	0.8286	0.9441	1.0621	1.1822	1.3042	1.4276	1.5522	1.6779	1.8045	1.9319	2.0600	2.1886	2.3178	27.7
79.1-81.0	80.0- 81.6	0.2907	0.4129	0.5178	0.6237	0.7332	0.8466	0.9631	1.0824	1.2039	1.3273	1.4523	1.5785	1.7059	1.8342	1.9634	2.0933	2.2237	2.3548	27.8

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 15. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: WHITE BIRCH
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.9- 15.0	0.0040	0.0067	0.0091	0.0114	0.0136	0.0158	0.0179	0.0200	0.0221	0.0242	0.0262	0.0283	0.0303	0.0324	0.0344	0.0364	0.0384	0.0405	12.4
13.1-15.0	15.1- 17.2	0.0089	0.0155	0.0220	0.0284	0.0349	0.0413	0.0477	0.0542	0.0606	0.0670	0.0735	0.0799	0.0864	0.0928	0.0993	0.1057	0.1122	0.1186	13.6
15.1-17.0	17.3- 19.4	0.0140	0.0248	0.0358	0.0469	0.0582	0.0695	0.0810	0.0925	0.1040	0.1156	0.1272	0.1389	0.1505	0.1622	0.1739	0.1856	0.1973	0.2090	14.8
17.1-19.0	19.5- 21.6	0.0192	0.0341	0.0494	0.0650	0.0809	0.0969	0.1129	0.1291	0.1453	0.1616	0.1779	0.1943	0.2106	0.2270	0.2434	0.2598	0.2762	0.2926	15.8
19.1-21.0	21.7- 23.8	0.0245	0.0435	0.0630	0.0829	0.1031	0.1235	0.1440	0.1646	0.1853	0.2060	0.2268	0.2476	0.2684	0.2892	0.3101	0.3310	0.3518	0.3727	16.8
21.1-23.0	23.9- 25.9	0.0299	0.0530	0.0767	0.1008	0.1253	0.1500	0.1748	0.1998	0.2249	0.2500	0.2752	0.3004	0.3256	0.3509	0.3762	0.4015	0.4268	0.4521	17.6
23.1-25.0	26.0- 28.1	0.0355	0.0626	0.0905	0.1188	0.1476	0.1766	0.2058	0.2351	0.2646	0.2941	0.3237	0.3533	0.3830	0.4127	0.4425	0.4722	0.5020	0.5318	18.5
25.1-27.0	28.2- 30.2	0.0412	0.0725	0.1044	0.1370	0.1700	0.2033	0.2369	0.2706	0.3045	0.3385	0.3725	0.4066	0.4408	0.4749	0.5092	0.5434	0.5777	0.6120	19.2
27.1-29.0	30.3- 32.3	0.0471	0.0825	0.1185	0.1553	0.1926	0.2302	0.2682	0.3063	0.3446	0.3830	0.4216	0.4601	0.4988	0.5375	0.5762	0.6150	0.6538	0.6926	19.9
29.1-31.0	32.4- 34.4	0.0532	0.0927	0.1329	0.1738	0.2153	0.2573	0.2996	0.3421	0.3849	0.4277	0.4708	0.5139	0.5570	0.6003	0.6435	0.6869	0.7302	0.7736	20.6
31.1-33.0	34.5- 36.4	0.0595	0.1031	0.1473	0.1924	0.2381	0.2843	0.3310	0.3779	0.4251	0.4725	0.5200	0.5676	0.6153	0.6630	0.7109	0.7587	0.8067	0.8546	21.2
33.1-35.0	36.5- 38.5	0.0660	0.1138	0.1620	0.2111	0.2609	0.3114	0.3624	0.4137	0.4653	0.5171	0.5690	0.6211	0.6733	0.7256	0.7780	0.8304	0.8829	0.9355	21.8
35.1-37.0	38.6- 40.5	0.0727	0.1246	0.1767	0.2298	0.2838	0.3385	0.3937	0.4493	0.5052	0.5614	0.6178	0.6744	0.7311	0.7878	0.8447	0.9017	0.9587	1.0158	22.3
37.1-39.0	40.6- 42.6	0.0796	0.1356	0.1916	0.2486	0.3066	0.3654	0.4248	0.4847	0.5449	0.6054	0.6662	0.7272	0.7883	0.8495	0.9109	0.9723	1.0338	1.0954	22.8
39.1-41.0	42.7- 44.6	0.0868	0.1468	0.2066	0.2674	0.3293	0.3921	0.4556	0.5197	0.5842	0.6490	0.7140	0.7793	0.8448	0.9105	0.9762	1.0421	1.1081	1.1741	23.2
41.1-43.0	44.7- 46.6	0.0942	0.1582	0.2217	0.2862	0.3519	0.4187	0.4862	0.5543	0.6229	0.6919	0.7612	0.8308	0.9006	0.9705	1.0406	1.1109	1.1812	1.2517	23.6
43.1-45.0	46.7- 48.6	0.1018	0.1698	0.2368	0.3050	0.3744	0.4449	0.5163	0.5884	0.6611	0.7342	0.8076	0.8814	0.9554	1.0296	1.1039	1.1785	1.2531	1.3278	24.0
45.1-47.0	48.7- 50.5	0.1097	0.1816	0.2520	0.3236	0.3967	0.4709	0.5461	0.6220	0.6986	0.7757	0.8532	0.9310	1.0091	1.0875	1.1660	1.2447	1.3235	1.4025	24.4
47.1-49.0	50.6- 52.5	0.1179	0.1936	0.2673	0.3423	0.4187	0.4965	0.5753	0.6550	0.7354	0.8164	0.8978	0.9796	1.0617	1.1441	1.2267	1.3095	1.3924	1.4755	24.7
49.1-51.0	52.6- 54.4	0.1263	0.2057	0.2827	0.3608	0.4405	0.5217	0.6041	0.6874	0.7715	0.8562	0.9414	1.0271	1.1131	1.1994	1.2859	1.3727	1.4596	1.5467	25.0
51.1-53.0	54.5- 56.3	0.1350	0.2181	0.2981	0.3792	0.4621	0.5465	0.6323	0.7191	0.8067	0.8951	0.9840	1.0733	1.1631	1.2532	1.3435	1.4341	1.5250	1.6160	25.3
53.1-55.0	56.4- 58.2	0.1439	0.2306	0.3135	0.3975	0.4834	0.5710	0.6599	0.7500	0.8411	0.9329	1.0254	1.1183	1.2117	1.3055	1.3995	1.4939	1.5884	1.6832	25.6
55.1-57.0	58.3- 60.1	0.1532	0.2434	0.3290	0.4157	0.5044	0.5949	0.6870	0.7803	0.8746	0.9697	1.0656	1.1620	1.2589	1.3562	1.4538	1.5517	1.6499	1.7483	25.9
57.1-59.0	60.2- 62.0	0.1628	0.2563	0.3445	0.4338	0.5251	0.6184	0.7134	0.8097	0.9072	1.0055	1.1046	1.2043	1.3045	1.4052	1.5063	1.6077	1.7093	1.8112	26.1
59.1-61.0	62.1- 63.9	0.1726	0.2694	0.3600	0.4517	0.5455	0.6415	0.7392	0.8384	0.9388	1.0402	1.1423	1.2452	1.3487	1.4526	1.5569	1.6616	1.7666	1.8719	26.3
61.1-63.0	64.0- 65.7	0.1828	0.2828	0.3756	0.4694	0.5656	0.6640	0.7643	0.8662	0.9694	1.0737	1.1788	1.2847	1.3912	1.4983	1.6057	1.7136	1.8218	1.9303	26.5
63.1-65.0	65.8- 67.5	0.1933	0.2963	0.3912	0.4870	0.5854	0.6861	0.7888	0.8933	0.9991	1.1061	1.2140	1.3228	1.4322	1.5422	1.6526	1.7635	1.8748	1.9864	26.7
65.1-67.0	67.6- 69.4	0.2042	0.3100	0.4068	0.5045	0.6048	0.7076	0.8126	0.9195	1.0278	1.1373	1.2479	1.3594	1.4715	1.5843	1.6976	1.8114	1.9255	2.0400	26.9
67.1-69.0	69.4- 71.2	0.2154	0.3240	0.4224	0.5218	0.6239	0.7287	0.8358	0.9448	1.0555	1.1674	1.2805	1.3945	1.5092	1.6247	1.7407	1.8571	1.9741	2.0913	27.0
69.1-71.0	71.2- 72.9	0.2269	0.3381	0.4381	0.5389	0.6426	0.7492	0.8582	0.9693	1.0821	1.1964	1.3117	1.4281	1.5453	1.6632	1.7818	1.9008	2.0203	2.1402	27.2
71.1-73.0	73.0- 74.7	0.2388	0.3525	0.4537	0.5559	0.6610	0.7692	0.8800	0.9930	1.1078	1.2241	1.3417	1.4603	1.5798	1.7000	1.8209	1.9424	2.0644	2.1868	27.3
73.1-75.0	74.8- 76.5	0.2511	0.3670	0.4694	0.5726	0.6791	0.7887	0.9011	1.0158	1.1325	1.2507	1.3703	1.4910	1.6126	1.7350	1.8582	1.9819	2.1062	2.2309	27.5
75.1-77.0	76.6- 78.2	0.2637	0.3818	0.4851	0.5893	0.6968	0.8077	0.9215	1.0378	1.1562	1.2762	1.3976	1.5202	1.6438	1.7683	1.8935	2.0193	2.1457	2.2726	27.6
77.1-79.0	78.3- 79.9	0.2768	0.3968	0.5008	0.6057	0.7141	0.8262	0.9413	1.0590	1.1788	1.3005	1.4236	1.5480	1.6734	1.7997	1.9269	2.0547	2.1831	2.3120	27.7
79.1-81.0	80.0- 81.6	0.2903	0.4121	0.5166	0.6220	0.7312	0.8441	0.9604	1.0793	1.2005	1.3236	1.4483	1.5743	1.7014	1.8295	1.9584	2.0880	2.2182	2.3490	27.8

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 3. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: TAMARACK
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.7- 3.7	0.0005	0.0007	0.0009	0.0011	0.0014	0.0016	0.0018	0.0021	0.0023	0.0025	0.0028	0.0030	0.0032	0.0034	0.0037	0.0039	0.0041	0.0044	2.4
3.1- 5.0	3.8- 5.9	0.0023	0.0036	0.0049	0.0062	0.0074	0.0087	0.0100	0.0113	0.0126	0.0140	0.0153	0.0166	0.0179	0.0192	0.0205	0.0218	0.0231	0.0245	3.9
5.1- 7.0	6.0- 8.1	0.0049	0.0076	0.0104	0.0133	0.0161	0.0189	0.0218	0.0247	0.0275	0.0304	0.0333	0.0361	0.0390	0.0419	0.0448	0.0477	0.0506	0.0535	5.6
7.1- 9.0	8.2- 10.3	0.0083	0.0130	0.0178	0.0227	0.0276	0.0325	0.0374	0.0424	0.0473	0.0523	0.0573	0.0623	0.0673	0.0723	0.0773	0.0823	0.0874	0.0924	7.3
9.1-11.0	10.4- 12.6	0.0124	0.0195	0.0268	0.0342	0.0416	0.0491	0.0567	0.0642	0.0718	0.0794	0.0870	0.0947	0.1023	0.1100	0.1177	0.1253	0.1330	0.1407	9.0
11.1-13.0	12.7- 14.8	0.0173	0.0272	0.0374	0.0477	0.0582	0.0687	0.0794	0.0900	0.1007	0.1114	0.1222	0.1330	0.1438	0.1546	0.1654	0.1763	0.1871	0.1980	10.6
13.1-15.0	15.0- 17.1	0.0231	0.0360	0.0495	0.0632	0.0771	0.0911	0.1053	0.1195	0.1338	0.1481	0.1624	0.1768	0.1913	0.2057	0.2202	0.2347	0.2493	0.2638	12.1
15.1-17.0	17.3- 19.5	0.0296	0.0460	0.0630	0.0805	0.0982	0.1162	0.1343	0.1525	0.1708	0.1892	0.2076	0.2261	0.2446	0.2632	0.2818	0.3004	0.3191	0.3378	13.5
17.1-19.0	19.6- 21.8	0.0371	0.0571	0.0781	0.0996	0.1216	0.1438	0.1663	0.1889	0.2116	0.2345	0.2574	0.2804	0.3035	0.3266	0.3498	0.3730	0.3963	0.4196	14.8
19.1-21.0	21.9- 24.2	0.0455	0.0695	0.0946	0.1205	0.1470	0.1739	0.2011	0.2285	0.2561	0.2838	0.3117	0.3396	0.3677	0.3958	0.4240	0.4522	0.4805	0.5088	16.0
21.1-23.0	24.3- 26.5	0.0550	0.0830	0.1125	0.1431	0.1745	0.2064	0.2387	0.2713	0.3041	0.3371	0.3703	0.4036	0.4370	0.4705	0.5041	0.5378	0.5715	0.6053	17.1
23.1-25.0	26.7- 29.0	0.0656	0.0979	0.1320	0.1675	0.2040	0.2412	0.2790	0.3171	0.3555	0.3941	0.4330	0.4720	0.5112	0.5505	0.5899	0.6295	0.6691	0.7088	18.1
25.1-27.0	29.1- 31.4	0.0775	0.1141	0.1530	0.1937	0.2356	0.2784	0.3218	0.3658	0.4101	0.4548	0.4997	0.5449	0.5902	0.6357	0.6813	0.7270	0.7729	0.8189	19.0
27.1-29.0	31.5- 33.8	0.0907	0.1318	0.1756	0.2216	0.2692	0.3178	0.3673	0.4174	0.4680	0.5190	0.5703	0.6219	0.6737	0.7257	0.7779	0.8303	0.8828	0.9354	19.8
29.1-31.0	34.0- 36.3	0.1054	0.1510	0.1998	0.2513	0.3047	0.3595	0.4153	0.4718	0.5290	0.5866	0.6447	0.7030	0.7617	0.8206	0.8797	0.9390	0.9985	1.0581	20.6
31.1-33.0	36.4- 38.8	0.1217	0.1718	0.2257	0.2829	0.3423	0.4034	0.4657	0.5290	0.5930	0.6576	0.7226	0.7881	0.8539	0.9201	0.9864	1.0531	1.1199	1.1869	21.3
33.1-35.0	39.0- 41.4	0.1398	0.1944	0.2534	0.3163	0.3819	0.4495	0.5186	0.5889	0.6600	0.7318	0.8042	0.8770	0.9503	1.0240	1.0980	1.1722	1.2467	1.3214	21.9
35.1-37.0	41.5- 43.9	0.1598	0.2188	0.2829	0.3516	0.4236	0.4979	0.5740	0.6514	0.7298	0.8091	0.8891	0.9697	1.0508	1.1323	1.2141	1.2963	1.3788	1.4615	22.5
37.1-39.0	44.0- 46.5	0.1819	0.2451	0.3143	0.3889	0.4674	0.5485	0.6318	0.7166	0.8026	0.8896	0.9775	1.0660	1.1552	1.2448	1.3348	1.4253	1.5160	1.6071	23.0
39.1-41.0	46.6- 49.1	0.2063	0.2736	0.3478	0.4283	0.5132	0.6014	0.6920	0.7844	0.8782	0.9732	1.0692	1.1659	1.2634	1.3614	1.4599	1.5589	1.6582	1.7579	23.4
41.1-43.0	49.2- 51.7	0.2332	0.3043	0.3833	0.4697	0.5613	0.6565	0.7546	0.8547	0.9566	1.0598	1.1641	1.2693	1.3753	1.4820	1.5892	1.6970	1.8052	1.9138	23.8
43.1-45.0	51.8- 54.3	0.2628	0.3373	0.4211	0.5133	0.6115	0.7140	0.8196	0.9277	1.0377	1.1493	1.2621	1.3760	1.4909	1.6064	1.7227	1.8395	1.9569	2.0747	24.2
45.1-47.0	54.5- 57.0	0.2954	0.3729	0.4612	0.5591	0.6640	0.7737	0.8871	1.0033	1.1216	1.2418	1.3634	1.4862	1.6100	1.7347	1.8602	1.9863	2.1131	2.2403	24.6
47.1-49.0	57.1- 59.7	0.3313	0.4112	0.5037	0.6073	0.7188	0.8358	0.9570	1.0814	1.2083	1.3371	1.4676	1.5995	1.7326	1.8667	2.0016	2.1373	2.2737	2.4106	24.9
49.1-51.0	59.8- 62.4	0.3706	0.4524	0.5487	0.6579	0.7759	0.9004	1.0294	1.1621	1.2976	1.4354	1.5750	1.7162	1.8587	2.0023	2.1469	2.2924	2.4386	2.5855	25.1
51.1-53.0	62.5- 65.1	0.4138	0.4967	0.5965	0.7109	0.8355	0.9673	1.1043	1.2454	1.3896	1.5364	1.6853	1.8360	1.9881	2.1415	2.2960	2.4514	2.6077	2.7648	25.4
53.1-55.0	65.3- 67.9	0.4612	0.5443	0.6470	0.7666	0.8976	1.0367	1.1818	1.3313	1.4844	1.6403	1.7986	1.9589	2.1208	2.2841	2.4487	2.6143	2.7809	2.9484	25.6
55.1-57.0	68.0- 70.7	0.5131	0.5955	0.7006	0.8250	0.9623	1.1087	1.2617	1.4198	1.5818	1.7471	1.9149	2.0849	2.2568	2.4302	2.6050	2.7811	2.9581	3.1361	25.8
57.1-59.0	70.8- 73.5	0.5700	0.6503	0.7572	0.8861	1.0296	1.1833	1.3443	1.5109	1.6820	1.8566	2.0341	2.2140	2.3960	2.5797	2.7649	2.9515	3.1392	3.3280	26.0
59.1-61.0	73.6- 76.3	0.6322	0.7092	0.8171	0.9502	1.0997	1.2605	1.4295	1.6048	1.7849	1.9689	2.1562	2.3461	2.5383	2.7324	2.9283	3.1255	3.3241	3.5238	26.2
61.1-63.0	76.4- 79.1	0.7002	0.7723	0.8805	1.0173	1.1726	1.3404	1.5174	1.7012	1.8905	2.0840	2.2811	2.4812	2.6838	2.8885	3.0950	3.3032	3.5127	3.7236	26.3
63.1-65.0	79.3- 82.0	0.7746	0.8400	0.9475	1.0876	1.2483	1.4231	1.6080	1.8004	1.9988	2.2020	2.4090	2.6193	2.8323	3.0477	3.2651	3.4843	3.7050	3.9271	26.5
65.1-67.0	82.2- 84.9	0.8557	0.9125	1.0184	1.1611	1.3271	1.5086	1.7013	1.9024	2.1099	2.3227	2.5397	2.7603	2.9839	3.2101	3.4385	3.6688	3.9009	4.1344	26.6
67.1-69.0	85.1- 87.8	0.9443	0.9902	1.0932	1.2381	1.4090	1.5971	1.7975	2.0071	2.2238	2.4462	2.6733	2.9043	3.1386	3.3756	3.6151	3.8567	4.1002	4.3453	26.7
69.1-71.0	88.0- 90.8	1.0410	1.0734	1.1723	1.3187	1.4940	1.6885	1.8965	2.1146	2.3405	2.5726	2.8098	3.0512	3.2962	3.5443	3.7950	4.0480	4.3030	4.5598	26.8
71.1-73.0	90.9- 93.7	1.1463	1.1624	1.2558	1.4029	1.5824	1.7830	1.9985	2.2250	2.4600	2.7018	2.9491	3.2010	3.4568	3.7160	3.9780	4.2425	4.5092	4.7778	26.9
73.1-75.0	93.9- 96.7	1.2611	1.2577	1.3439	1.4910	1.6742	1.8807	2.1034	2.3383	2.5823	2.8338	3.0913	3.3537	3.6204	3.8907	4.1641	4.4402	4.7187	4.9993	26.9
75.1-77.0	96.9- 99.7	1.3861	1.3596	1.4370	1.5831	1.7695	1.9816	2.2114	2.4545	2.7076	2.9687	3.2363	3.5094	3.7870	4.0685	4.3533	4.6411	4.9314	5.2241	27.0
77.1-79.0	99.9-102.8	1.5221	1.4686	1.5352	1.6795	1.8684	2.0857	2.3226	2.5737	2.8357	3.1065	3.3843	3.6679	3.9564	4.2492	4.5456	4.8451	5.1474	5.4522	27.1
79.1-81.0	102.9-105.8	1.6702	1.5851	1.6388	1.7801	1.9711	2.1933	2.4369	2.6959	2.9668	3.2472	3.5351	3.8293	4.1288	4.4329	4.7408	5.0522	5.3666	5.6836	27.1

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 19. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: TAMARACK
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	8.2- 10.3	0.0023	0.0039	0.0053	0.0067	0.0081	0.0094	0.0107	0.0120	0.0132	0.0145	0.0157	0.0170	0.0182	0.0194	0.0206	0.0218	0.0230	0.0242	7.3
9.1-11.0	10.4- 12.6	0.0068	0.0121	0.0176	0.0232	0.0289	0.0346	0.0404	0.0462	0.0521	0.0579	0.0638	0.0696	0.0755	0.0814	0.0873	0.0933	0.0992	0.1051	9.0
11.1-13.0	12.7- 14.8	0.0111	0.0196	0.0285	0.0375	0.0467	0.0559	0.0652	0.0746	0.0839	0.0933	0.1028	0.1122	0.1217	0.1312	0.1407	0.1502	0.1597	0.1693	10.6
13.1-15.0	15.0- 17.1	0.0155	0.0276	0.0400	0.0526	0.0655	0.0784	0.0915	0.1046	0.1178	0.1310	0.1442	0.1575	0.1709	0.1842	0.1976	0.2110	0.2244	0.2378	12.1
15.1-17.0	17.3- 19.5	0.0204	0.0361	0.0523	0.0689	0.0858	0.1028	0.1199	0.1372	0.1545	0.1719	0.1894	0.2069	0.2245	0.2420	0.2597	0.2773	0.2950	0.3127	13.5
17.1-19.0	19.6- 21.8	0.0256	0.0453	0.0657	0.0865	0.1077	0.1291	0.1508	0.1725	0.1944	0.2164	0.2384	0.2605	0.2827	0.3050	0.3273	0.3496	0.3720	0.3944	14.8
19.1-21.0	21.9- 24.2	0.0313	0.0553	0.0800	0.1055	0.1313	0.1575	0.1840	0.2106	0.2374	0.2643	0.2914	0.3185	0.3457	0.3730	0.4003	0.4277	0.4552	0.4827	16.0
21.1-23.0	24.3- 26.5	0.0375	0.0660	0.0955	0.1257	0.1566	0.1879	0.2195	0.2514	0.2835	0.3157	0.3481	0.3806	0.4133	0.4460	0.4788	0.5117	0.5446	0.5776	17.1
23.1-25.0	26.7- 29.0	0.0442	0.0775	0.1120	0.1474	0.1835	0.2202	0.2573	0.2948	0.3325	0.3705	0.4086	0.4469	0.4853	0.5238	0.5625	0.6013	0.6401	0.6790	18.1
25.1-27.0	29.1- 31.4	0.0515	0.0899	0.1295	0.1703	0.2121	0.2545	0.2974	0.3408	0.3845	0.4285	0.4727	0.5171	0.5617	0.6064	0.6513	0.6963	0.7414	0.7866	19.0
27.1-29.0	31.5- 33.8	0.0594	0.1031	0.1482	0.1947	0.2422	0.2906	0.3397	0.3893	0.4393	0.4896	0.5403	0.5912	0.6423	0.6936	0.7450	0.7966	0.8484	0.9002	19.8
29.1-31.0	34.0- 36.3	0.0679	0.1173	0.1680	0.2204	0.2740	0.3287	0.3841	0.4402	0.4968	0.5539	0.6113	0.6690	0.7269	0.7851	0.8435	0.9021	0.9608	1.0197	20.6
31.1-33.0	36.4- 38.8	0.0772	0.1324	0.1890	0.2474	0.3074	0.3685	0.4307	0.4936	0.5571	0.6211	0.6856	0.7504	0.8155	0.8809	0.9466	1.0125	1.0785	1.1448	21.3
33.1-35.0	39.0- 41.4	0.0871	0.1484	0.2111	0.2758	0.3423	0.4102	0.4793	0.5492	0.6199	0.6912	0.7631	0.8353	0.9079	0.9809	1.0542	1.1277	1.2014	1.2753	21.9
35.1-37.0	41.5- 43.9	0.0979	0.1656	0.2345	0.3057	0.3789	0.4538	0.5300	0.6072	0.6854	0.7642	0.8437	0.9237	1.0041	1.0849	1.1660	1.2475	1.3292	1.4112	22.5
37.1-39.0	44.0- 46.5	0.1096	0.1838	0.2591	0.3369	0.4171	0.4991	0.5827	0.6675	0.7533	0.8400	0.9273	1.0153	1.1038	1.1927	1.2821	1.3718	1.4618	1.5521	23.0
39.1-41.0	46.6- 49.1	0.1221	0.2032	0.2851	0.3696	0.4569	0.5462	0.6374	0.7299	0.8237	0.9184	1.0139	1.1102	1.2070	1.3044	1.4022	1.5004	1.5990	1.6980	23.4
41.1-43.0	49.2- 51.7	0.1357	0.2238	0.3123	0.4039	0.4983	0.5952	0.6941	0.7946	0.8965	0.9995	1.1034	1.2082	1.3136	1.4197	1.5262	1.6333	1.7408	1.8486	23.8
43.1-45.0	51.8- 54.3	0.1503	0.2457	0.3410	0.4396	0.5414	0.6460	0.7528	0.8615	0.9717	1.0832	1.1958	1.3092	1.4235	1.5385	1.6541	1.7702	1.8868	2.0039	24.2
45.1-47.0	54.5- 57.0	0.1661	0.2690	0.3712	0.4769	0.5862	0.6985	0.8135	0.9305	1.0492	1.1694	1.2908	1.4133	1.5367	1.6608	1.7857	1.9111	2.0372	2.1636	24.6
47.1-49.0	57.1- 59.7	0.1831	0.2937	0.4029	0.5158	0.6327	0.7530	0.8761	1.0016	1.1291	1.2582	1.3887	1.5203	1.6530	1.7865	1.9209	2.0559	2.1916	2.3278	24.9
49.1-51.0	59.8- 62.4	0.2014	0.3199	0.4362	0.5564	0.6809	0.8093	0.9408	1.0749	1.2113	1.3494	1.4891	1.6302	1.7724	1.9155	2.0596	2.2044	2.3500	2.4961	25.1
51.1-53.0	62.5- 65.1	0.2212	0.3477	0.4711	0.5986	0.7309	0.8674	1.0074	1.1504	1.2957	1.4431	1.5922	1.7428	1.8947	2.0477	2.2017	2.3566	2.5122	2.6685	25.4
53.1-55.0	65.3- 67.9	0.2424	0.3772	0.5077	0.6426	0.7828	0.9275	1.0761	1.2279	1.3824	1.5392	1.6979	1.8583	2.0201	2.1831	2.3472	2.5123	2.6782	2.8450	25.6
55.1-57.0	68.0- 70.7	0.2653	0.4085	0.5462	0.6885	0.8364	0.9895	1.1468	1.3076	1.4714	1.6377	1.8062	1.9764	2.1483	2.3215	2.4960	2.6715	2.8479	3.0253	25.8
57.1-59.0	70.8- 73.5	0.2899	0.4416	0.5865	0.7362	0.8920	1.0534	1.2195	1.3894	1.5626	1.7386	1.9169	2.0973	2.2793	2.4630	2.6479	2.8340	3.0212	3.2093	26.0
59.1-61.0	73.6- 76.3	0.3163	0.4768	0.6287	0.7858	0.9496	1.1193	1.2942	1.4734	1.6561	1.8419	2.0302	2.2207	2.4132	2.6073	2.8029	2.9999	3.1979	3.3971	26.2
61.1-63.0	76.4- 79.1	0.3448	0.5140	0.6730	0.8375	1.0091	1.1873	1.3710	1.5595	1.7518	1.9474	2.1459	2.3468	2.5498	2.7546	2.9611	3.1689	3.3781	3.5884	26.3
63.1-65.0	79.3- 82.0	0.3754	0.5534	0.7194	0.8912	1.0707	1.2573	1.4500	1.6477	1.8497	2.0554	2.2641	2.4754	2.6891	2.9047	3.1222	3.3411	3.5615	3.7832	26.5
65.1-67.0	82.2- 84.9	0.4082	0.5952	0.7680	0.9470	1.1343	1.3294	1.5310	1.7382	1.9499	2.1656	2.3847	2.6066	2.8310	3.0576	3.2862	3.5164	3.7482	3.9813	26.6
67.1-69.0	85.1- 87.8	0.4435	0.6394	0.8190	1.0050	1.2002	1.4036	1.6142	1.8308	2.0524	2.2782	2.5077	2.7403	2.9756	3.2133	3.4531	3.6947	3.9380	4.1828	26.7
69.1-71.0	88.0- 90.8	0.4815	0.6863	0.8723	1.0653	1.2682	1.4801	1.6996	1.9256	2.1571	2.3931	2.6331	2.8765	3.1228	3.3717	3.6228	3.8760	4.1310	4.3875	26.8
71.1-73.0	90.9- 93.7	0.5222	0.7358	0.9282	1.1280	1.3385	1.5587	1.7872	2.0227	2.2640	2.5103	2.7609	3.0151	3.2725	3.5327	3.7954	4.0602	4.3269	4.5954	26.9
73.1-75.0	93.9- 96.7	0.5659	0.7883	0.9867	1.1932	1.4112	1.6396	1.8771	2.1220	2.3733	2.6299	2.8911	3.1562	3.4248	3.6964	3.9706	4.2472	4.5259	4.8064	26.9
75.1-77.0	96.9- 99.7	0.6128	0.8438	1.0479	1.2608	1.4862	1.7229	1.9692	2.2236	2.4848	2.7518	3.0237	3.2998	3.5796	3.8627	4.1486	4.4370	4.7277	5.0204	27.0
77.1-79.0	99.9-102.8	0.6632	0.9025	1.1120	1.3311	1.5637	1.8085	2.0637	2.3275	2.5987	2.8760	3.1586	3.4458	3.7369	4.0315	4.3292	4.6296	4.9324	5.2374	27.1
79.1-81.0	102.9-105.8	0.7172	0.9646	1.1791	1.4041	1.6438	1.8966	2.1605	2.4338	2.7148	3.0026	3.2959	3.5942	3.8967	4.2029	4.5124	4.8248	5.1399	5.4572	27.1

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 20. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: TAMARACK
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.7- 14.8	0.0062	0.0105	0.0148	0.0192	0.0235	0.0278	0.0322	0.0366	0.0410	0.0454	0.0499	0.0543	0.0588	0.0633	0.0677	0.0722	0.0767	0.0812	10.6
13.1-15.0	15.0- 17.1	0.0117	0.0207	0.0302	0.0399	0.0498	0.0599	0.0701	0.0804	0.0907	0.1011	0.1115	0.1220	0.1325	0.1431	0.1536	0.1642	0.1748	0.1854	12.1
15.1-17.0	17.3- 19.5	0.0171	0.0305	0.0444	0.0588	0.0734	0.0882	0.1032	0.1183	0.1335	0.1488	0.1641	0.1795	0.1949	0.2103	0.2258	0.2414	0.2569	0.2725	13.5
17.1-19.0	19.6- 21.8	0.0228	0.0405	0.0589	0.0779	0.0972	0.1168	0.1367	0.1567	0.1768	0.1970	0.2173	0.2376	0.2580	0.2785	0.2990	0.3196	0.3402	0.3609	14.8
19.1-21.0	21.9- 24.2	0.0288	0.0509	0.0740	0.0978	0.1221	0.1467	0.1716	0.1967	0.2220	0.2474	0.2729	0.2985	0.3242	0.3500	0.3758	0.4017	0.4276	0.4536	16.0
21.1-23.0	24.3- 26.5	0.0352	0.0621	0.0900	0.1188	0.1483	0.1782	0.2084	0.2389	0.2696	0.3005	0.3316	0.3628	0.3941	0.4254	0.4569	0.4885	0.5201	0.5517	17.1
23.1-25.0	26.7- 29.0	0.0421	0.0739	0.1069	0.1410	0.1759	0.2113	0.2472	0.2834	0.3199	0.3566	0.3935	0.4306	0.4678	0.5052	0.5426	0.5802	0.6178	0.6555	18.1
25.1-27.0	29.1- 31.4	0.0495	0.0865	0.1248	0.1644	0.2049	0.2462	0.2880	0.3302	0.3728	0.4157	0.4588	0.5021	0.5456	0.5892	0.6330	0.6769	0.7209	0.7650	19.0
27.1-29.0	31.5- 33.8	0.0575	0.0999	0.1438	0.1891	0.2355	0.2828	0.3308	0.3794	0.4283	0.4777	0.5273	0.5771	0.6272	0.6775	0.7279	0.7785	0.8292	0.8801	19.8
29.1-31.0	34.0- 36.3	0.0661	0.1142	0.1638	0.2151	0.2676	0.3213	0.3757	0.4309	0.4865	0.5426	0.5990	0.6558	0.7128	0.7700	0.8274	0.8851	0.9428	1.0008	20.6
31.1-33.0	36.4- 38.8	0.0755	0.1295	0.1850	0.2423	0.3013	0.3615	0.4227	0.4846	0.5472	0.6104	0.6739	0.7378	0.8021	0.8666	0.9314	0.9964	1.0615	1.1269	21.3
33.1-35.0	39.0- 41.4	0.0855	0.1457	0.2073	0.2710	0.3365	0.4035	0.4716	0.5407	0.6105	0.6810	0.7519	0.8233	0.8951	0.9672	1.0396	1.1123	1.1852	1.2583	21.9
35.1-37.0	41.5- 43.9	0.0964	0.1629	0.2308	0.3010	0.3733	0.4473	0.5226	0.5990	0.6763	0.7543	0.8330	0.9121	0.9917	1.0717	1.1521	1.2327	1.3137	1.3948	22.5
37.1-39.0	44.0- 46.5	0.1081	0.1813	0.2555	0.3324	0.4116	0.4928	0.5755	0.6595	0.7445	0.8304	0.9170	1.0042	1.0919	1.1801	1.2686	1.3576	1.4468	1.5364	23.0
39.1-41.0	46.6- 49.1	0.1207	0.2007	0.2816	0.3653	0.4516	0.5401	0.6304	0.7222	0.8152	0.9091	1.0039	1.0994	1.1955	1.2921	1.3892	1.4867	1.5845	1.6827	23.4
41.1-43.0	49.2- 51.7	0.1343	0.2214	0.3090	0.3996	0.4931	0.5892	0.6873	0.7871	0.8882	0.9904	1.0936	1.1977	1.3024	1.4077	1.5136	1.6199	1.7267	1.8338	23.8
43.1-45.0	51.8- 54.3	0.1490	0.2434	0.3378	0.4354	0.5364	0.6401	0.7462	0.8541	0.9636	1.0743	1.1862	1.2990	1.4126	1.5268	1.6417	1.7572	1.8731	1.9894	24.2
45.1-47.0	54.5- 57.0	0.1648	0.2667	0.3680	0.4728	0.5812	0.6928	0.8070	0.9232	1.0413	1.1607	1.2815	1.4032	1.5259	1.6494	1.7736	1.8984	2.0237	2.1495	24.6
47.1-49.0	57.1- 59.7	0.1819	0.2915	0.3998	0.5118	0.6278	0.7473	0.8697	0.9945	1.1213	1.2496	1.3794	1.5104	1.6424	1.7753	1.9090	2.0433	2.1783	2.3139	24.9
49.1-51.0	59.8- 62.4	0.2002	0.3177	0.4331	0.5524	0.6761	0.8037	0.9345	1.0679	1.2035	1.3410	1.4800	1.6204	1.7619	1.9044	2.0479	2.1920	2.3369	2.4824	25.1
51.1-53.0	62.5- 65.1	0.2200	0.3456	0.4681	0.5947	0.7262	0.8619	1.0012	1.1434	1.2881	1.4348	1.5832	1.7332	1.8844	2.0368	2.1901	2.3444	2.4994	2.6551	25.4
53.1-55.0	65.3- 67.9	0.2413	0.3751	0.5048	0.6388	0.7781	0.9221	1.0699	1.2210	1.3749	1.5310	1.6890	1.8487	2.0099	2.1722	2.3357	2.5002	2.6655	2.8316	25.6
55.1-57.0	68.0- 70.7	0.2641	0.4065	0.5432	0.6847	0.8319	0.9841	1.1407	1.3008	1.4639	1.6295	1.7973	1.9669	2.1382	2.3108	2.4846	2.6595	2.8353	3.0120	25.8
57.1-59.0	70.8- 73.5	0.2888	0.4396	0.5836	0.7325	0.8875	1.0481	1.2134	1.3826	1.5552	1.7305	1.9081	2.0878	2.2693	2.4522	2.6366	2.8221	3.0087	3.1962	26.0
59.1-61.0	73.6- 76.3	0.3153	0.4748	0.6259	0.7821	0.9451	1.1141	1.2882	1.4666	1.6487	1.8338	2.0214	2.2113	2.4032	2.5967	2.7917	2.9880	3.1854	3.3840	26.2
61.1-63.0	76.4- 79.1	0.3437	0.5121	0.6702	0.8338	1.0046	1.1820	1.3651	1.5528	1.7444	1.9394	2.1372	2.3374	2.5398	2.7440	2.9498	3.1571	3.3656	3.5753	26.3
63.1-65.0	79.3- 82.0	0.3743	0.5515	0.7166	0.8875	1.0662	1.2521	1.4440	1.6410	1.8424	2.0473	2.2553	2.4661	2.6791	2.8941	3.1109	3.3293	3.5491	3.7701	26.5
65.1-67.0	82.2- 84.9	0.4072	0.5933	0.7653	0.9434	1.1299	1.3242	1.5251	1.7315	1.9425	2.1576	2.3759	2.5972	2.8210	3.0470	3.2749	3.5046	3.7357	3.9683	26.6
67.1-69.0	85.1- 87.8	0.4425	0.6376	0.8162	1.0014	1.1958	1.3984	1.6083	1.8241	2.0450	2.2701	2.4989	2.7309	2.9656	3.2026	3.4418	3.6828	3.9255	4.1697	26.7
69.1-71.0	88.0- 90.8	0.4805	0.6844	0.8696	1.0618	1.2638	1.4749	1.6937	1.9189	2.1497	2.3850	2.6243	2.8670	3.1127	3.3610	3.6115	3.8641	4.1184	4.3744	26.8
71.1-73.0	90.9- 93.7	0.5212	0.7340	0.9255	1.1245	1.3341	1.5535	1.7812	2.0160	2.2566	2.5022	2.7521	3.0056	3.2624	3.5220	3.7840	4.0482	4.3143	4.5822	26.9
73.1-75.0	93.9- 96.7	0.5649	0.7865	0.9840	1.1896	1.4068	1.6344	1.8711	2.1153	2.3658	2.6217	2.8822	3.1467	3.4146	3.6856	3.9592	4.2351	4.5132	4.7931	26.9
75.1-77.0	96.9- 99.7	0.6119	0.8420	1.0453	1.2573	1.4818	1.7177	1.9632	2.2168	2.4773	2.7435	3.0147	3.2902	3.5694	3.8518	4.1370	4.4248	4.7149	5.0070	27.0
77.1-79.0	99.9-102.8	0.6622	0.9007	1.1094	1.3276	1.5593	1.8033	2.0576	2.3207	2.5911	2.8677	3.1496	3.4361	3.7266	4.0205	4.3176	4.6173	4.9195	5.2239	27.1
79.1-81.0	102.9-105.8	0.7162	0.9629	1.1765	1.4006	1.6393	1.8913	2.1544	2.4269	2.7072	2.9942	3.2869	3.5844	3.8862	4.1918	4.5007	4.8125	5.1269	5.4436	27.1

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 21. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: TAMARACK
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.7- 14.8	0.0037	0.0055	0.0066	0.0074	0.0081	0.0087	0.0093	0.0100	0.0107	0.0114	0.0122	0.0130	0.0138	0.0146	0.0154	0.0162	0.0171	0.0179	10.6
13.1-15.0	15.0- 17.1	0.0097	0.0169	0.0243	0.0319	0.0396	0.0474	0.0554	0.0634	0.0715	0.0796	0.0878	0.0960	0.1043	0.1126	0.1209	0.1293	0.1376	0.1460	12.1
15.1-17.0	17.3- 19.5	0.0155	0.0275	0.0400	0.0530	0.0662	0.0796	0.0932	0.1069	0.1207	0.1346	0.1486	0.1626	0.1767	0.1908	0.2049	0.2191	0.2333	0.2475	13.5
17.1-19.0	19.6- 21.8	0.0214	0.0380	0.0553	0.0732	0.0915	0.1100	0.1288	0.1477	0.1668	0.1859	0.2052	0.2245	0.2439	0.2633	0.2828	0.3024	0.3219	0.3415	14.8
19.1-21.0	21.9- 24.2	0.0276	0.0488	0.0710	0.0938	0.1172	0.1409	0.1649	0.1892	0.2136	0.2381	0.2628	0.2875	0.3124	0.3373	0.3623	0.3873	0.4124	0.4375	16.0
21.1-23.0	24.3- 26.5	0.0341	0.0602	0.0873	0.1153	0.1439	0.1731	0.2025	0.2323	0.2623	0.2924	0.3228	0.3532	0.3837	0.4144	0.4451	0.4759	0.5068	0.5377	17.1
23.1-25.0	26.7- 29.0	0.0411	0.0722	0.1045	0.1378	0.1720	0.2067	0.2419	0.2775	0.3133	0.3494	0.3856	0.4220	0.4586	0.4953	0.5321	0.5690	0.6059	0.6430	18.1
25.1-27.0	29.1- 31.4	0.0486	0.0849	0.1226	0.1615	0.2014	0.2420	0.2832	0.3248	0.3668	0.4090	0.4515	0.4943	0.5372	0.5802	0.6234	0.6667	0.7101	0.7536	19.0
27.1-29.0	31.5- 33.8	0.0566	0.0984	0.1417	0.1864	0.2322	0.2789	0.3264	0.3743	0.4228	0.4715	0.5206	0.5699	0.6195	0.6692	0.7191	0.7691	0.8193	0.8696	19.8
29.1-31.0	34.0- 36.3	0.0653	0.1128	0.1618	0.2125	0.2645	0.3176	0.3716	0.4262	0.4813	0.5368	0.5928	0.6490	0.7055	0.7622	0.8192	0.8763	0.9336	0.9910	20.6
31.1-33.0	36.4- 38.8	0.0747	0.1281	0.1831	0.2399	0.2983	0.3580	0.4187	0.4802	0.5423	0.6050	0.6680	0.7315	0.7953	0.8593	0.9236	0.9881	1.0528	1.1177	21.3
33.1-35.0	39.0- 41.4	0.0848	0.1444	0.2055	0.2687	0.3337	0.4002	0.4679	0.5365	0.6058	0.6758	0.7463	0.8173	0.8886	0.9603	1.0323	1.1045	1.1770	1.2496	21.9
35.1-37.0	41.5- 43.9	0.0957	0.1617	0.2290	0.2988	0.3706	0.4441	0.5190	0.5950	0.6718	0.7494	0.8276	0.9064	0.9856	1.0652	1.1451	1.2253	1.3058	1.3866	22.5
37.1-39.0	44.0- 46.5	0.1074	0.1801	0.2539	0.3303	0.4090	0.4898	0.5721	0.6556	0.7402	0.8257	0.9119	0.9986	1.0860	1.1737	1.2619	1.3505	1.4393	1.5285	23.0
39.1-41.0	46.6- 49.1	0.1201	0.1996	0.2800	0.3632	0.4491	0.5372	0.6271	0.7184	0.8110	0.9046	0.9990	1.0941	1.1898	1.2860	1.3827	1.4798	1.5773	1.6751	23.4
41.1-43.0	49.2- 51.7	0.1337	0.2203	0.3074	0.3976	0.4907	0.5864	0.6841	0.7834	0.8842	0.9860	1.0889	1.1925	1.2969	1.4018	1.5073	1.6133	1.7197	1.8265	23.8
43.1-45.0	51.8- 54.3	0.1484	0.2424	0.3363	0.4335	0.5340	0.6373	0.7430	0.8505	0.9597	1.0701	1.1815	1.2940	1.4072	1.5211	1.6357	1.7508	1.8663	1.9823	24.2
45.1-47.0	54.5- 57.0	0.1643	0.2657	0.3665	0.4709	0.5789	0.6901	0.8039	0.9198	1.0374	1.1566	1.2769	1.3984	1.5207	1.6438	1.7677	1.8921	2.0171	2.1426	24.6
47.1-49.0	57.1- 59.7	0.1813	0.2905	0.3983	0.5099	0.6256	0.7447	0.8667	0.9911	1.1175	1.2456	1.3750	1.5056	1.6373	1.7699	1.9032	2.0373	2.1719	2.3072	24.9
49.1-51.0	59.8- 62.4	0.1997	0.3168	0.4317	0.5506	0.6739	0.8011	0.9315	1.0646	1.1999	1.3370	1.4757	1.6157	1.7569	1.8991	2.0422	2.1861	2.3307	2.4759	25.1
51.1-53.0	62.5- 65.1	0.2195	0.3447	0.4667	0.5930	0.7241	0.8594	0.9983	1.1402	1.2845	1.4309	1.5790	1.7286	1.8795	2.0316	2.1846	2.3385	2.4932	2.6486	25.4
53.1-55.0	65.3- 67.9	0.2408	0.3742	0.5034	0.6371	0.7760	0.9196	1.0671	1.2179	1.3713	1.5271	1.6848	1.8442	2.0050	2.1671	2.3303	2.4945	2.6595	2.8253	25.6
55.1-57.0	68.0- 70.7	0.2637	0.4056	0.5419	0.6830	0.8298	0.9817	1.1379	1.2976	1.4604	1.6257	1.7932	1.9625	2.1334	2.3057	2.4792	2.6538	2.8294	3.0058	25.8
57.1-59.0	70.8- 73.5	0.2883	0.4388	0.5823	0.7308	0.8854	1.0457	1.2106	1.3795	1.5517	1.7267	1.9041	2.0835	2.2646	2.4473	2.6313	2.8165	3.0028	3.1900	26.0
59.1-61.0	73.6- 76.3	0.3148	0.4740	0.6246	0.7805	0.9430	1.1117	1.2855	1.4636	1.6453	1.8300	2.0174	2.2070	2.3985	2.5917	2.7864	2.9824	3.1796	3.3779	26.2
61.1-63.0	76.4- 79.1	0.3433	0.5112	0.6690	0.8322	1.0026	1.1797	1.3623	1.5497	1.7410	1.9357	2.1332	2.3331	2.5352	2.7391	2.9446	3.1516	3.3598	3.5693	26.3
63.1-65.0	79.3- 82.0	0.3739	0.5507	0.7154	0.8859	1.0642	1.2497	1.4413	1.6380	1.8390	2.0436	2.2514	2.4618	2.6745	2.8892	3.1058	3.3238	3.5433	3.7641	26.5
65.1-67.0	82.2- 84.9	0.4068	0.5925	0.7641	0.9418	1.1280	1.3219	1.5224	1.7285	1.9392	2.1539	2.3720	2.5930	2.8165	3.0422	3.2698	3.4992	3.7300	3.9623	26.6
67.1-69.0	85.1- 87.8	0.4421	0.6368	0.8151	0.9999	1.1938	1.3961	1.6056	1.8211	2.0417	2.2665	2.4950	2.7267	2.9611	3.1978	3.4367	3.6775	3.9199	4.1638	26.7
69.1-71.0	88.0- 90.8	0.4801	0.6837	0.8684	1.0602	1.2619	1.4726	1.6910	1.9160	2.1464	2.3814	2.6204	2.8628	3.1082	3.3562	3.6064	3.8587	4.1128	4.3685	26.8
71.1-73.0	90.9- 93.7	0.5208	0.7333	0.9243	1.1229	1.3322	1.5513	1.7786	2.0130	2.2533	2.4986	2.7482	3.0015	3.2579	3.5172	3.7789	4.0428	4.3087	4.5763	26.9
73.1-75.0	93.9- 96.7	0.5646	0.7857	0.9829	1.1881	1.4049	1.6322	1.8685	2.1123	2.3625	2.6181	2.8783	3.1425	3.4101	3.6808	3.9541	4.2298	4.5076	4.7872	26.9
75.1-77.0	96.9- 99.7	0.6115	0.8413	1.0441	1.2558	1.4799	1.7154	1.9606	2.2139	2.4740	2.7400	3.0108	3.2860	3.5649	3.8470	4.1320	4.4195	4.7093	5.0011	27.0
77.1-79.0	99.9-102.8	0.6619	0.9000	1.1083	1.3261	1.5574	1.8010	2.0550	2.3178	2.5878	2.8641	3.1457	3.4319	3.7221	4.0157	4.3125	4.6120	4.9139	5.2180	27.1
79.1-81.0	102.9-105.8	0.7159	0.9621	1.1754	1.3991	1.6375	1.8891	2.1518	2.4240	2.7040	2.9906	3.2830	3.5802	3.8817	4.1870	4.4956	4.8071	5.1212	5.4377	27.1

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 4. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: ENGELMANN SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.1- 3.2	0.0006	0.0010	0.0013	0.0016	0.0020	0.0023	0.0026	0.0030	0.0033	0.0036	0.0040	0.0043	0.0046	0.0050	0.0053	0.0056	0.0059	0.0063	2.7
3.1- 5.0	3.3- 5.4	0.0027	0.0041	0.0056	0.0070	0.0085	0.0099	0.0114	0.0129	0.0143	0.0158	0.0173	0.0187	0.0202	0.0217	0.0231	0.0246	0.0261	0.0276	4.2
5.1- 7.0	5.5- 7.7	0.0055	0.0085	0.0116	0.0146	0.0177	0.0207	0.0238	0.0269	0.0300	0.0331	0.0362	0.0393	0.0423	0.0454	0.0485	0.0516	0.0547	0.0578	5.7
7.1- 9.0	7.8- 9.9	0.0091	0.0142	0.0193	0.0245	0.0296	0.0348	0.0400	0.0452	0.0505	0.0557	0.0609	0.0661	0.0714	0.0766	0.0819	0.0871	0.0924	0.0976	7.1
9.1-11.0	10.0- 12.2	0.0134	0.0210	0.0287	0.0365	0.0442	0.0520	0.0598	0.0677	0.0755	0.0834	0.0912	0.0991	0.1070	0.1149	0.1228	0.1307	0.1386	0.1465	8.6
11.1-13.0	12.3- 14.4	0.0185	0.0290	0.0397	0.0505	0.0613	0.0722	0.0831	0.0941	0.1050	0.1160	0.1270	0.1380	0.1490	0.1601	0.1711	0.1821	0.1932	0.2042	9.9
13.1-15.0	14.5- 16.7	0.0243	0.0382	0.0523	0.0665	0.0809	0.0953	0.1098	0.1243	0.1389	0.1535	0.1681	0.1827	0.1973	0.2120	0.2266	0.2413	0.2560	0.2707	11.2
15.1-17.0	16.8- 19.0	0.0309	0.0484	0.0664	0.0846	0.1029	0.1213	0.1398	0.1584	0.1770	0.1956	0.2143	0.2330	0.2518	0.2705	0.2893	0.3081	0.3269	0.3457	12.5
17.1-19.0	19.1- 21.3	0.0382	0.0599	0.0820	0.1045	0.1272	0.1501	0.1731	0.1962	0.2193	0.2425	0.2657	0.2890	0.3123	0.3356	0.3590	0.3824	0.4058	0.4292	13.7
19.1-21.0	21.4- 23.6	0.0463	0.0724	0.0992	0.1264	0.1540	0.1817	0.2096	0.2377	0.2658	0.2940	0.3222	0.3505	0.3789	0.4072	0.4357	0.4641	0.4926	0.5211	14.9
21.1-23.0	23.7- 25.9	0.0553	0.0862	0.1179	0.1503	0.1830	0.2161	0.2494	0.2828	0.3164	0.3500	0.3838	0.4176	0.4514	0.4854	0.5193	0.5533	0.5874	0.6214	16.0
23.1-25.0	26.0- 28.2	0.0652	0.1011	0.1382	0.1761	0.2145	0.2533	0.2924	0.3317	0.3711	0.4107	0.4504	0.4902	0.5300	0.5699	0.6099	0.6500	0.6900	0.7302	17.0
25.1-27.0	28.4- 30.6	0.0761	0.1173	0.1601	0.2038	0.2483	0.2933	0.3386	0.3842	0.4300	0.4760	0.5221	0.5683	0.6146	0.6610	0.7075	0.7540	0.8006	0.8472	18.0
27.1-29.0	30.7- 32.9	0.0880	0.1349	0.1836	0.2336	0.2846	0.3361	0.3881	0.4404	0.4930	0.5458	0.5988	0.6519	0.7052	0.7585	0.8120	0.8655	0.9191	0.9727	19.0
29.1-31.0	33.1- 35.3	0.1010	0.1538	0.2088	0.2655	0.3232	0.3818	0.4409	0.5004	0.5602	0.6203	0.6806	0.7411	0.8018	0.8626	0.9235	0.9844	1.0455	1.1067	19.9
31.1-33.0	35.4- 37.7	0.1151	0.1742	0.2358	0.2994	0.3644	0.4303	0.4969	0.5641	0.6316	0.6995	0.7676	0.8359	0.9044	0.9731	1.0420	1.1109	1.1800	1.2491	20.8
33.1-35.0	37.8- 40.0	0.1305	0.1961	0.2646	0.3355	0.4081	0.4818	0.5564	0.6315	0.7072	0.7833	0.8597	0.9363	1.0132	1.0903	1.1675	1.2449	1.3224	1.4000	21.6
35.1-37.0	40.2- 42.4	0.1473	0.2195	0.2953	0.3738	0.4543	0.5362	0.6192	0.7028	0.7871	0.8718	0.9570	1.0424	1.1281	1.2140	1.3002	1.3865	1.4730	1.5596	22.4
37.1-39.0	42.6- 44.8	0.1654	0.2447	0.3279	0.4144	0.5032	0.5937	0.6854	0.7780	0.8713	0.9652	1.0595	1.1542	1.2492	1.3445	1.4400	1.5357	1.6317	1.7277	23.2
39.1-41.0	45.0- 47.3	0.1852	0.2716	0.3625	0.4573	0.5548	0.6543	0.7551	0.8571	0.9599	1.0633	1.1673	1.2717	1.3765	1.4817	1.5871	1.6927	1.7986	1.9046	23.9
41.1-43.0	47.4- 49.7	0.2066	0.3003	0.3992	0.5026	0.6091	0.7180	0.8284	0.9402	1.0529	1.1663	1.2805	1.3951	1.5102	1.6256	1.7414	1.8575	1.9738	2.0903	24.6
43.1-45.0	49.8- 52.1	0.2298	0.3311	0.4381	0.5504	0.6663	0.7849	0.9053	1.0273	1.1503	1.2743	1.3990	1.5244	1.6502	1.7765	1.9031	2.0301	2.1574	2.2849	25.2
45.1-47.0	52.2- 54.6	0.2549	0.3639	0.4793	0.6008	0.7264	0.8550	0.9859	1.1185	1.2524	1.3873	1.5231	1.6596	1.7967	1.9343	2.0723	2.2107	2.3495	2.4885	25.8
47.1-49.0	54.7- 57.0	0.2821	0.3988	0.5229	0.6538	0.7894	0.9286	1.0703	1.2139	1.3591	1.5054	1.6527	1.8009	1.9497	2.0991	2.2490	2.3994	2.5501	2.7012	26.4
49.1-51.0	57.1- 59.5	0.3114	0.4361	0.5690	0.7096	0.8556	1.0056	1.1585	1.3136	1.4704	1.6287	1.7880	1.9483	2.1094	2.2711	2.4334	2.5962	2.7594	2.9230	27.0
51.1-53.0	59.6- 61.9	0.3431	0.4759	0.6177	0.7682	0.9249	1.0861	1.2506	1.4176	1.5866	1.7572	1.9290	2.1019	2.2757	2.4503	2.6254	2.8012	2.9774	3.1541	27.5
53.1-55.0	62.1- 64.4	0.3774	0.5182	0.6691	0.8298	0.9975	1.1702	1.3468	1.5261	1.7077	1.8911	2.0759	2.2619	2.4489	2.6367	2.8253	3.0146	3.2044	3.3947	28.0
55.1-57.0	64.6- 66.9	0.4144	0.5632	0.7234	0.8944	1.0734	1.2581	1.4470	1.6391	1.8337	2.0303	2.2286	2.4282	2.6289	2.8306	3.0332	3.2364	3.4403	3.6447	28.5
57.1-59.0	67.1- 69.4	0.4542	0.6111	0.7806	0.9623	1.1529	1.3498	1.5515	1.7567	1.9648	2.1752	2.3874	2.6010	2.8160	3.0321	3.2490	3.4668	3.6853	3.9044	28.9
59.1-61.0	69.6- 72.0	0.4972	0.6621	0.8409	1.0334	1.2359	1.4454	1.6603	1.8791	2.1011	2.3256	2.5522	2.7805	3.0102	3.2411	3.4731	3.7059	3.9396	4.1739	29.4
61.1-63.0	72.1- 74.5	0.5436	0.7163	0.9045	1.1080	1.3226	1.5451	1.7734	2.0063	2.2427	2.4819	2.7233	2.9667	3.2116	3.4579	3.7054	3.9539	4.2032	4.4534	29.8
63.1-65.0	74.6- 77.0	0.5935	0.7739	0.9715	1.1862	1.4131	1.6489	1.8912	2.1385	2.3896	2.6439	2.9008	3.1597	3.4204	3.6826	3.9461	4.2107	4.4764	4.7428	30.2
65.1-67.0	77.1- 79.6	0.6472	0.8351	1.0421	1.2681	1.5076	1.7570	2.0136	2.2757	2.5421	2.8119	3.0846	3.3597	3.6366	3.9153	4.1954	4.4767	4.7591	5.0425	30.6
67.1-69.0	79.7- 82.1	0.7051	0.9001	1.1164	1.3538	1.6062	1.8695	2.1407	2.4180	2.7001	2.9861	3.2751	3.5667	3.8605	4.1561	4.4533	4.7519	5.0517	5.3525	30.9
69.1-71.0	82.3- 84.7	0.7673	0.9691	1.1946	1.4435	1.7091	1.9865	2.2728	2.5657	2.8640	3.1664	3.4722	3.7810	4.0921	4.4052	4.7200	5.0364	5.3541	5.6730	31.3
71.1-73.0	84.8- 87.3	0.8342	1.0423	1.2769	1.5374	1.8163	2.1082	2.4098	2.7189	3.0336	3.3530	3.6762	4.0025	4.3315	4.6626	4.9957	5.3305	5.6667	6.0042	31.6
73.1-75.0	87.4- 89.9	0.9061	1.1200	1.3635	1.6356	1.9280	2.2347	2.5521	2.8775	3.2093	3.5462	3.8872	4.2316	4.5789	4.9287	5.2805	5.6342	5.9895	6.3462	31.9
75.1-77.0	90.0- 92.5	0.9834	1.2025	1.4545	1.7384	2.0444	2.3662	2.6996	3.0419	3.3912	3.7459	4.1052	4.4683	4.8345	5.2034	5.5746	5.9477	6.3227	6.6992	32.2
77.1-79.0	92.6- 95.1	1.0664	1.2900	1.5503	1.8458	2.1656	2.5028	2.8527	3.2122	3.5793	3.9524	4.3305	4.7127	5.0984	5.4869	5.8780	6.2713	6.6664	7.0633	32.4
79.1-81.0	95.2- 97.7	1.1555	1.3827	1.6510	1.9581	2.2919	2.6447	3.0113	3.3884	3.7738	4.1658	4.5632	4.9651	5.3707	5.7795	6.1910	6.6049	7.0209	7.4387	32.7

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 25. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: ENGELMANN SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	7.8- 9.9	0.0028	0.0049	0.0070	0.0091	0.0112	0.0133	0.0155	0.0176	0.0197	0.0219	0.0240	0.0261	0.0283	0.0304	0.0326	0.0347	0.0369	0.0390	7.1
9.1-11.0	10.0- 12.2	0.0077	0.0135	0.0194	0.0254	0.0314	0.0374	0.0435	0.0496	0.0557	0.0618	0.0680	0.0741	0.0803	0.0864	0.0926	0.0987	0.1049	0.1111	8.6
11.1-13.0	12.3- 14.4	0.0123	0.0215	0.0309	0.0403	0.0499	0.0595	0.0691	0.0787	0.0884	0.0981	0.1078	0.1175	0.1272	0.1370	0.1467	0.1565	0.1662	0.1760	9.9
13.1-15.0	14.5- 16.7	0.0171	0.0299	0.0430	0.0562	0.0695	0.0829	0.0963	0.1098	0.1233	0.1368	0.1503	0.1639	0.1775	0.1911	0.2047	0.2183	0.2319	0.2456	11.2
15.1-17.0	16.8- 19.0	0.0223	0.0390	0.0561	0.0734	0.0908	0.1083	0.1259	0.1436	0.1613	0.1790	0.1968	0.2146	0.2324	0.2503	0.2682	0.2860	0.3039	0.3219	12.5
17.1-19.0	19.1- 21.3	0.0278	0.0488	0.0703	0.0920	0.1140	0.1361	0.1583	0.1805	0.2029	0.2252	0.2477	0.2701	0.2926	0.3152	0.3377	0.3603	0.3829	0.4055	13.7
19.1-21.0	21.4- 23.6	0.0338	0.0594	0.0856	0.1123	0.1391	0.1662	0.1934	0.2207	0.2481	0.2755	0.3030	0.3306	0.3582	0.3859	0.4136	0.4413	0.4690	0.4968	14.9
21.1-23.0	23.7- 25.9	0.0403	0.0708	0.1022	0.1341	0.1663	0.1987	0.2313	0.2641	0.2970	0.3300	0.3630	0.3961	0.4293	0.4625	0.4958	0.5291	0.5625	0.5959	16.0
23.1-25.0	26.0- 28.2	0.0472	0.0831	0.1200	0.1575	0.1954	0.2337	0.2722	0.3109	0.3497	0.3886	0.4277	0.4668	0.5060	0.5452	0.5846	0.6239	0.6634	0.7028	17.0
25.1-27.0	28.4- 30.6	0.0547	0.0962	0.1390	0.1825	0.2266	0.2711	0.3159	0.3609	0.4061	0.4515	0.4970	0.5426	0.5883	0.6340	0.6799	0.7258	0.7717	0.8177	18.0
27.1-29.0	30.7- 32.9	0.0626	0.1103	0.1593	0.2092	0.2599	0.3110	0.3625	0.4143	0.4664	0.5186	0.5710	0.6235	0.6762	0.7289	0.7817	0.8346	0.8876	0.9407	19.0
29.1-31.0	33.1- 35.3	0.0712	0.1252	0.1808	0.2376	0.2952	0.3534	0.4121	0.4712	0.5305	0.5900	0.6498	0.7097	0.7698	0.8299	0.8902	0.9506	1.0111	1.0716	19.9
31.1-33.0	35.4- 37.7	0.0803	0.1412	0.2037	0.2677	0.3327	0.3984	0.4647	0.5314	0.5984	0.6658	0.7333	0.8011	0.8691	0.9372	1.0054	1.0737	1.1422	1.2107	20.8
33.1-35.0	37.8- 40.0	0.0901	0.1581	0.2280	0.2995	0.3723	0.4459	0.5202	0.5950	0.6703	0.7458	0.8217	0.8978	0.9741	1.0506	1.1273	1.2041	1.2810	1.3580	21.6
35.1-37.0	40.2- 42.4	0.1005	0.1761	0.2537	0.3332	0.4141	0.4960	0.5788	0.6621	0.7460	0.8303	0.9149	0.9998	1.0850	1.1704	1.2559	1.3416	1.4275	1.5135	22.4
37.1-39.0	42.6- 44.8	0.1117	0.1951	0.2808	0.3686	0.4581	0.5488	0.6404	0.7328	0.8257	0.9192	1.0130	1.1072	1.2017	1.2964	1.3914	1.4865	1.5818	1.6773	23.2
39.1-41.0	45.0- 47.3	0.1236	0.2153	0.3094	0.4060	0.5044	0.6042	0.7051	0.8070	0.9095	1.0125	1.1161	1.2200	1.3243	1.4289	1.5337	1.6388	1.7441	1.8495	23.9
41.1-43.0	47.4- 49.7	0.1363	0.2367	0.3396	0.4452	0.5529	0.6624	0.7730	0.8847	0.9972	1.1104	1.2241	1.3383	1.4529	1.5678	1.6830	1.7985	1.9142	2.0301	24.6
43.1-45.0	49.8- 52.1	0.1498	0.2593	0.3714	0.4864	0.6039	0.7233	0.8441	0.9662	1.0891	1.2129	1.3372	1.4621	1.5875	1.7132	1.8393	1.9657	2.0924	2.2193	25.2
45.1-47.0	52.2- 54.6	0.1642	0.2832	0.4048	0.5296	0.6573	0.7870	0.9185	1.0513	1.1852	1.3199	1.4554	1.5915	1.7281	1.8652	2.0027	2.1406	2.2787	2.4171	25.8
47.1-49.0	54.7- 57.0	0.1795	0.3084	0.4399	0.5750	0.7131	0.8537	0.9962	1.1402	1.2854	1.4317	1.5788	1.7266	1.8750	2.0239	2.1733	2.3231	2.4732	2.6236	26.4
49.1-51.0	57.1- 59.5	0.1959	0.3351	0.4768	0.6224	0.7715	0.9233	1.0772	1.2329	1.3900	1.5482	1.7074	1.8674	2.0281	2.1893	2.3511	2.5133	2.6760	2.8390	27.0
51.1-53.0	59.6- 61.9	0.2133	0.3633	0.5155	0.6721	0.8325	0.9959	1.1617	1.3295	1.4989	1.6696	1.8413	2.0140	2.1874	2.3615	2.5362	2.7115	2.8871	3.0632	27.5
53.1-55.0	62.1- 64.4	0.2318	0.3930	0.5562	0.7241	0.8961	1.0716	1.2497	1.4301	1.6122	1.7958	1.9806	2.1665	2.3532	2.5407	2.7288	2.9175	3.1068	3.2965	28.0
55.1-57.0	64.6- 66.9	0.2515	0.4243	0.5989	0.7784	0.9625	1.1504	1.3413	1.5347	1.7301	1.9271	2.1254	2.3250	2.5255	2.7268	2.9289	3.1317	3.3350	3.5389	28.5
57.1-59.0	67.1- 69.4	0.2725	0.4574	0.6436	0.8351	1.0317	1.2325	1.4366	1.6434	1.8525	2.0634	2.2758	2.4895	2.7043	2.9201	3.1367	3.3540	3.5720	3.7905	28.9
59.1-61.0	69.6- 72.0	0.2948	0.4922	0.6905	0.8944	1.1038	1.3178	1.5356	1.7563	1.9795	2.2048	2.4318	2.6602	2.8898	3.1205	3.3521	3.5845	3.8177	4.0515	29.4
61.1-63.0	72.1- 74.5	0.3185	0.5290	0.7396	0.9563	1.1789	1.4066	1.6384	1.8735	2.1114	2.3515	2.5935	2.8371	3.0821	3.3282	3.5754	3.8235	4.0724	4.3220	29.8
63.1-65.0	74.6- 77.0	0.3437	0.5677	0.7911	1.0208	1.2570	1.4988	1.7451	1.9950	2.2480	2.5035	2.7610	3.0203	3.2812	3.5433	3.8066	4.0709	4.3361	4.6021	30.2
65.1-67.0	77.1- 79.6	0.3705	0.6085	0.8449	1.0881	1.3384	1.5946	1.8558	2.1210	2.3896	2.6609	2.9345	3.2101	3.4873	3.7660	4.0459	4.3270	4.6090	4.8919	30.6
67.1-69.0	79.7- 82.1	0.3990	0.6514	0.9013	1.1583	1.4229	1.6941	1.9706	2.2516	2.5362	2.8238	3.1140	3.4063	3.7005	3.9962	4.2934	4.5918	4.8912	5.1916	30.9
69.1-71.0	82.3- 84.7	0.4293	0.6967	0.9604	1.2315	1.5109	1.7973	2.0896	2.3868	2.6879	2.9924	3.2996	3.6093	3.9209	4.2343	4.5492	4.8654	5.1829	5.5014	31.3
71.1-73.0	84.8- 87.3	0.4614	0.7443	1.0221	1.3078	1.6022	1.9044	2.2129	2.5268	2.8449	3.1667	3.4915	3.8190	4.1486	4.4802	4.8134	5.1481	5.4841	5.8213	31.6
73.1-75.0	87.4- 89.9	0.4956	0.7944	1.0867	1.3872	1.6972	2.0154	2.3407	2.6716	3.0072	3.3469	3.6898	4.0356	4.3838	4.7340	5.0862	5.4399	5.7951	6.1515	31.9
75.1-77.0	90.0- 92.5	0.5318	0.8472	1.1543	1.4700	1.7958	2.1306	2.4729	2.8214	3.1750	3.5330	3.8945	4.2592	4.6265	4.9961	5.3677	5.7410	6.1159	6.4922	32.2
77.1-79.0	92.6- 95.1	0.5703	0.9027	1.2250	1.5562	1.8982	2.2499	2.6097	2.9762	3.3484	3.7251	4.1059	4.4899	4.8769	5.2663	5.6580	6.0515	6.4467	6.8435	32.4
79.1-81.0	95.2- 97.7	0.6112	0.9611	1.2989	1.6459	2.0045	2.3735	2.7513	3.1363	3.5274	3.9235	4.3239	4.7280	5.1352	5.5450	5.9573	6.3716	6.7878	7.2056	32.7

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 26. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: ENGELMANN SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.4	0.0065	0.0114	0.0162	0.0211	0.0261	0.0311	0.0360	0.0410	0.0461	0.0511	0.0561	0.0612	0.0662	0.0713	0.0764	0.0815	0.0865	0.0916	9.9
13.1-15.0	14.5- 16.7	0.0126	0.0223	0.0324	0.0426	0.0530	0.0635	0.0740	0.0845	0.0951	0.1058	0.1164	0.1271	0.1378	0.1485	0.1592	0.1700	0.1807	0.1915	11.2
15.1-17.0	16.8- 19.0	0.0185	0.0328	0.0476	0.0626	0.0779	0.0932	0.1086	0.1241	0.1396	0.1552	0.1708	0.1864	0.2020	0.2177	0.2334	0.2491	0.2648	0.2806	12.5
17.1-19.0	19.1- 21.3	0.0245	0.0435	0.0631	0.0830	0.1032	0.1234	0.1438	0.1643	0.1849	0.2055	0.2262	0.2469	0.2676	0.2883	0.3091	0.3299	0.3508	0.3716	13.7
19.1-21.0	21.4- 23.6	0.0309	0.0548	0.0793	0.1044	0.1297	0.1552	0.1809	0.2067	0.2326	0.2586	0.2846	0.3106	0.3367	0.3629	0.3891	0.4153	0.4415	0.4678	14.9
21.1-23.0	23.7- 25.9	0.0376	0.0666	0.0965	0.1270	0.1579	0.1890	0.2203	0.2517	0.2833	0.3150	0.3467	0.3785	0.4104	0.4423	0.4743	0.5063	0.5384	0.5704	16.0
23.1-25.0	26.0- 28.2	0.0448	0.0792	0.1148	0.1510	0.1878	0.2249	0.2622	0.2997	0.3373	0.3751	0.4130	0.4510	0.4890	0.5271	0.5653	0.6035	0.6418	0.6801	17.0
25.1-27.0	28.4- 30.6	0.0524	0.0926	0.1342	0.1766	0.2196	0.2630	0.3067	0.3507	0.3949	0.4392	0.4836	0.5282	0.5728	0.6176	0.6624	0.7072	0.7522	0.7971	18.0
27.1-29.0	30.7- 32.9	0.0605	0.1069	0.1548	0.2037	0.2533	0.3035	0.3540	0.4049	0.4560	0.5073	0.5587	0.6103	0.6620	0.7138	0.7657	0.8176	0.8697	0.9218	19.0
29.1-31.0	33.1- 35.3	0.0692	0.1220	0.1766	0.2324	0.2891	0.3464	0.4042	0.4623	0.5208	0.5795	0.6383	0.6974	0.7566	0.8159	0.8753	0.9348	0.9945	1.0541	19.9
31.1-33.0	35.4- 37.7	0.0784	0.1381	0.1997	0.2628	0.3269	0.3917	0.4572	0.5231	0.5893	0.6558	0.7226	0.7896	0.8567	0.9240	0.9915	1.0590	1.1267	1.1944	20.8
33.1-35.0	37.8- 40.0	0.0882	0.1552	0.2242	0.2948	0.3668	0.4396	0.5131	0.5871	0.6616	0.7365	0.8116	0.8869	0.9625	1.0383	1.1142	1.1902	1.2664	1.3427	21.6
35.1-37.0	40.2- 42.4	0.0988	0.1733	0.2500	0.3287	0.4088	0.4900	0.5720	0.6546	0.7378	0.8214	0.9053	0.9895	1.0740	1.1587	1.2435	1.3285	1.4137	1.4990	22.4
37.1-39.0	42.6- 44.8	0.1100	0.1924	0.2773	0.3643	0.4530	0.5430	0.6339	0.7256	0.8179	0.9107	1.0039	1.0974	1.1912	1.2853	1.3796	1.4741	1.5687	1.6636	23.2
39.1-41.0	45.0- 47.3	0.1219	0.2127	0.3060	0.4018	0.4995	0.5986	0.6989	0.8001	0.9019	1.0044	1.1073	1.2106	1.3143	1.4182	1.5225	1.6269	1.7316	1.8364	23.9
41.1-43.0	47.4- 49.7	0.1347	0.2342	0.3363	0.4411	0.5482	0.6570	0.7670	0.8781	0.9900	1.1025	1.2157	1.3293	1.4432	1.5576	1.6722	1.7871	1.9022	2.0176	24.6
43.1-45.0	49.8- 52.1	0.1482	0.2568	0.3681	0.4825	0.5993	0.7180	0.8383	0.9597	1.0821	1.2053	1.3291	1.4534	1.5782	1.7034	1.8289	1.9548	2.0809	2.2073	25.2
45.1-47.0	52.2- 54.6	0.1627	0.2808	0.4016	0.5258	0.6528	0.7819	0.9128	1.0450	1.1784	1.3126	1.4475	1.5831	1.7192	1.8557	1.9927	2.1300	2.2676	2.4055	25.8
47.1-49.0	54.7- 57.0	0.1781	0.3061	0.4368	0.5712	0.7087	0.8487	0.9906	1.1341	1.2788	1.4245	1.5711	1.7184	1.8663	2.0147	2.1635	2.3128	2.4624	2.6124	26.4
49.1-51.0	57.1- 59.5	0.1944	0.3328	0.4738	0.6187	0.7672	0.9184	1.0718	1.2270	1.3835	1.5412	1.6999	1.8594	2.0196	2.1803	2.3416	2.5034	2.6655	2.8280	27.0
51.1-53.0	59.6- 61.9	0.2119	0.3610	0.5126	0.6685	0.8282	0.9911	1.1564	1.3237	1.4926	1.6627	1.8340	2.0062	2.1791	2.3528	2.5270	2.7017	2.8769	3.0525	27.5
53.1-55.0	62.1- 64.4	0.2304	0.3908	0.5533	0.7205	0.8920	1.0669	1.2445	1.4244	1.6060	1.7891	1.9735	2.1588	2.3451	2.5321	2.7198	2.9080	3.0968	3.2861	28.0
55.1-57.0	64.6- 66.9	0.2502	0.4222	0.5960	0.7749	0.9584	1.1458	1.3362	1.5291	1.7240	1.9205	2.1184	2.3174	2.5175	2.7184	2.9201	3.1224	3.3253	3.5287	28.5
57.1-59.0	67.1- 69.4	0.2712	0.4553	0.6408	0.8317	1.0277	1.2279	1.4315	1.6379	1.8465	2.0569	2.2688	2.4821	2.6965	2.9118	3.1279	3.3448	3.5624	3.7805	28.9
59.1-61.0	69.6- 72.0	0.2935	0.4902	0.6877	0.8910	1.0998	1.3133	1.5306	1.7508	1.9736	2.1984	2.4249	2.6529	2.8821	3.1123	3.3435	3.5755	3.8083	4.0417	29.4
61.1-63.0	72.1- 74.5	0.3173	0.5269	0.7369	0.9529	1.1750	1.4021	1.6334	1.8681	2.1055	2.3452	2.5867	2.8299	3.0744	3.3202	3.5669	3.8146	4.0631	4.3123	29.8
63.1-65.0	74.6- 77.0	0.3425	0.5657	0.7884	1.0175	1.2532	1.4944	1.7402	1.9897	2.2422	2.4972	2.7543	3.0132	3.2737	3.5354	3.7983	4.0622	4.3269	4.5925	30.2
65.1-67.0	77.1- 79.6	0.3693	0.6065	0.8423	1.0848	1.3345	1.5903	1.8510	2.1157	2.3838	2.6547	2.9279	3.2030	3.4798	3.7581	4.0376	4.3183	4.5999	4.8824	30.6
67.1-69.0	79.7- 82.1	0.3978	0.6495	0.8987	1.1551	1.4191	1.6897	1.9658	2.2463	2.5305	2.8177	3.1074	3.3993	3.6931	3.9884	4.2852	4.5832	4.8822	5.1822	30.9
69.1-71.0	82.3- 84.7	0.4281	0.6947	0.9578	1.2283	1.5071	1.7930	2.0848	2.3815	2.6822	2.9863	3.2931	3.6023	3.9135	4.2265	4.5410	4.8569	5.1739	5.4920	31.3
71.1-73.0	84.8- 87.3	0.4603	0.7424	1.0195	1.3046	1.5985	1.9001	2.2082	2.5215	2.8392	3.1606	3.4850	3.8120	4.1413	4.4724	4.8053	5.1396	5.4752	5.8120	31.6
73.1-75.0	87.4- 89.9	0.4944	0.7925	1.0842	1.3840	1.6934	2.0112	2.3359	2.6663	3.0016	3.3408	3.6833	4.0286	4.3764	4.7263	5.0781	5.4314	5.7862	6.1423	31.9
75.1-77.0	90.0- 92.5	0.5307	0.8453	1.1518	1.4668	1.7920	2.1263	2.4681	2.8161	3.1693	3.5269	3.8880	4.2523	4.6192	4.9884	5.3596	5.7325	6.1071	6.4830	32.2
77.1-79.0	92.6- 95.1	0.5692	0.9008	1.2224	1.5530	1.8945	2.2456	2.6049	2.9710	3.3427	3.7190	4.0994	4.4830	4.8696	5.2587	5.6499	6.0431	6.4379	6.8343	32.4
79.1-81.0	95.2- 97.7	0.6101	0.9593	1.2963	1.6427	2.0008	2.3692	2.7465	3.1311	3.5217	3.9174	4.3174	4.7211	5.1278	5.5373	5.9492	6.3631	6.7789	7.1964	32.7

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 27. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: ENGELMANN SPRUCE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.3- 14.4	0.0036	0.0058	0.0076	0.0093	0.0109	0.0124	0.0140	0.0155	0.0169	0.0184	0.0199	0.0214	0.0229	0.0244	0.0259	0.0274	0.0289	0.0304	9.9
13.1-15.0	14.5- 16.7	0.0102	0.0180	0.0259	0.0340	0.0422	0.0505	0.0588	0.0671	0.0755	0.0840	0.0924	0.1009	0.1094	0.1179	0.1264	0.1350	0.1435	0.1521	11.2
15.1-17.0	16.8- 19.0	0.0165	0.0294	0.0427	0.0563	0.0701	0.0840	0.0980	0.1121	0.1262	0.1403	0.1545	0.1687	0.1830	0.1972	0.2115	0.2258	0.2401	0.2545	12.5
17.1-19.0	19.1- 21.3	0.0229	0.0407	0.0592	0.0780	0.0970	0.1162	0.1355	0.1549	0.1744	0.1940	0.2136	0.2332	0.2528	0.2725	0.2923	0.3120	0.3318	0.3516	13.7
19.1-21.0	21.4- 23.6	0.0294	0.0523	0.0760	0.1001	0.1245	0.1492	0.1740	0.1989	0.2239	0.2490	0.2741	0.2993	0.3246	0.3498	0.3752	0.4005	0.4259	0.4513	14.9
21.1-23.0	23.7- 25.9	0.0363	0.0645	0.0936	0.1233	0.1533	0.1837	0.2143	0.2450	0.2758	0.3067	0.3377	0.3688	0.3999	0.4311	0.4623	0.4936	0.5249	0.5563	16.0
23.1-25.0	26.0- 28.2	0.0436	0.0773	0.1121	0.1477	0.1838	0.2202	0.2568	0.2937	0.3307	0.3678	0.4051	0.4424	0.4798	0.5172	0.5548	0.5923	0.6300	0.6676	17.0
25.1-27.0	28.4- 30.6	0.0513	0.0909	0.1318	0.1735	0.2159	0.2587	0.3019	0.3453	0.3889	0.4326	0.4765	0.5204	0.5645	0.6087	0.6529	0.6972	0.7415	0.7859	18.0
27.1-29.0	30.7- 32.9	0.0595	0.1052	0.1525	0.2009	0.2500	0.2996	0.3496	0.3999	0.4505	0.5012	0.5522	0.6032	0.6544	0.7057	0.7570	0.8085	0.8600	0.9116	19.0
29.1-31.0	33.1- 35.3	0.0682	0.1205	0.1745	0.2298	0.2859	0.3427	0.4000	0.4577	0.5157	0.5739	0.6323	0.6909	0.7496	0.8085	0.8674	0.9265	0.9856	1.0448	19.9
31.1-33.0	35.4- 37.7	0.0775	0.1367	0.1977	0.2603	0.3239	0.3883	0.4533	0.5188	0.5846	0.6507	0.7170	0.7835	0.8503	0.9171	0.9841	1.0512	1.1185	1.1858	20.8
33.1-35.0	37.8- 40.0	0.0874	0.1538	0.2223	0.2925	0.3640	0.4364	0.5095	0.5831	0.6572	0.7316	0.8063	0.8813	0.9564	1.0318	1.1073	1.1829	1.2587	1.3346	21.6
35.1-37.0	40.2- 42.4	0.0979	0.1719	0.2482	0.3264	0.4061	0.4869	0.5686	0.6508	0.7336	0.8168	0.9003	0.9842	1.0683	1.1526	1.2371	1.3217	1.4065	1.4915	22.4
37.1-39.0	42.6- 44.8	0.1092	0.1912	0.2756	0.3622	0.4505	0.5401	0.6306	0.7220	0.8139	0.9063	0.9992	1.0923	1.1858	1.2795	1.3735	1.4676	1.5619	1.6564	23.2
39.1-41.0	45.0- 47.3	0.1212	0.2115	0.3044	0.3997	0.4970	0.5958	0.6958	0.7966	0.8981	1.0002	1.1028	1.2058	1.3091	1.4128	1.5167	1.6208	1.7251	1.8296	23.9
41.1-43.0	47.4- 49.7	0.1339	0.2330	0.3347	0.4392	0.5459	0.6543	0.7640	0.8747	0.9863	1.0986	1.2114	1.3246	1.4383	1.5523	1.6667	1.7813	1.8961	2.0111	24.6
43.1-45.0	49.8- 52.1	0.1475	0.2557	0.3666	0.4806	0.5970	0.7155	0.8354	0.9565	1.0786	1.2014	1.3249	1.4490	1.5735	1.6984	1.8236	1.9492	2.0750	2.2011	25.2
45.1-47.0	52.2- 54.6	0.1620	0.2797	0.4001	0.5239	0.6506	0.7794	0.9100	1.0419	1.1750	1.3089	1.4435	1.5788	1.7146	1.8509	1.9876	2.1246	2.2619	2.3995	25.8
47.1-49.0	54.7- 57.0	0.1774	0.3050	0.4354	0.5694	0.7066	0.8463	0.9879	1.1311	1.2755	1.4210	1.5673	1.7143	1.8619	2.0100	2.1586	2.3076	2.4570	2.6066	26.4
49.1-51.0	57.1- 59.5	0.1938	0.3318	0.4724	0.6170	0.7651	0.9160	1.0692	1.2240	1.3803	1.5378	1.6962	1.8554	2.0153	2.1758	2.3369	2.4983	2.6602	2.8225	27.0
51.1-53.0	59.6- 61.9	0.2113	0.3600	0.5112	0.6668	0.8262	0.9888	1.1538	1.3208	1.4895	1.6594	1.8304	2.0023	2.1750	2.3484	2.5224	2.6969	2.8718	3.0472	27.5
53.1-55.0	62.1- 64.4	0.2298	0.3898	0.5520	0.7188	0.8900	1.0646	1.2420	1.4216	1.6030	1.7858	1.9699	2.1551	2.3411	2.5279	2.7153	2.9033	3.0919	3.2809	28.0
55.1-57.0	64.6- 66.9	0.2496	0.4212	0.5947	0.7733	0.9565	1.1436	1.3337	1.5263	1.7210	1.9173	2.1149	2.3138	2.5136	2.7143	2.9157	3.1178	3.3204	3.5236	28.5
57.1-59.0	67.1- 69.4	0.2706	0.4543	0.6395	0.8301	1.0258	1.2257	1.4291	1.6352	1.8435	2.0537	2.2655	2.4785	2.6926	2.9077	3.1237	3.3403	3.5577	3.7756	28.9
59.1-61.0	69.6- 72.0	0.2930	0.4892	0.6864	0.8894	1.0980	1.3112	1.5282	1.7482	1.9707	2.1953	2.4216	2.6493	2.8783	3.1084	3.3393	3.5711	3.8037	4.0368	29.4
61.1-63.0	72.1- 74.5	0.3167	0.5260	0.7356	0.9513	1.1731	1.4000	1.6311	1.8655	2.1027	2.3421	2.5835	2.8264	3.0708	3.3163	3.5628	3.8103	4.0586	4.3075	29.8
63.1-65.0	74.6- 77.0	0.3420	0.5648	0.7871	1.0160	1.2514	1.4923	1.7379	1.9871	2.2394	2.4942	2.7511	3.0098	3.2700	3.5316	3.7942	4.0579	4.3225	4.5878	30.2
65.1-67.0	77.1- 79.6	0.3688	0.6056	0.8411	1.0833	1.3327	1.5882	1.8487	2.1132	2.3811	2.6517	2.9247	3.1996	3.4763	3.7543	4.0337	4.3141	4.5956	4.8779	30.6
67.1-69.0	79.7- 82.1	0.3973	0.6486	0.8975	1.1536	1.4174	1.6877	1.9636	2.2438	2.5278	2.8148	3.1043	3.3960	3.6896	3.9847	4.2813	4.5790	4.8779	5.1777	30.9
69.1-71.0	82.3- 84.7	0.4276	0.6939	0.9566	1.2268	1.5053	1.7910	2.0826	2.3791	2.6796	2.9834	3.2900	3.5990	3.9100	4.2228	4.5372	4.8528	5.1697	5.4876	31.3
71.1-73.0	84.8- 87.3	0.4598	0.7415	1.0184	1.3031	1.5967	1.8981	2.2060	2.5191	2.8366	3.1577	3.4820	3.8088	4.1378	4.4688	4.8014	5.1356	5.4710	5.8076	31.6
73.1-75.0	87.4- 89.9	0.4939	0.7917	1.0830	1.3826	1.6917	2.0092	2.3337	2.6639	2.9989	3.3379	3.6803	4.0254	4.3730	4.7227	5.0743	5.4275	5.7820	6.1379	31.9
75.1-77.0	90.0- 92.5	0.5302	0.8445	1.1506	1.4654	1.7904	2.1244	2.4659	2.8137	3.1667	3.5241	3.8850	4.2491	4.6158	4.9848	5.3558	5.7286	6.1029	6.4787	32.2
77.1-79.0	92.6- 95.1	0.5687	0.9000	1.2213	1.5516	1.8928	2.2437	2.6028	2.9686	3.3401	3.7163	4.0964	4.4799	4.8662	5.2551	5.6462	6.0391	6.4338	6.8300	32.4
79.1-81.0	95.2- 97.7	0.6096	0.9585	1.2952	1.6413	1.9991	2.3673	2.7444	3.1287	3.5191	3.9146	4.3144	4.7179	5.1245	5.5338	5.9455	6.3593	6.7749	7.1921	32.7

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 5. Gross total volume (m^3) from 0.00 m stump height to 0.0 cm top dib

SPECIES: JACK PINE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
1.1- 3.0	1.5- 3.6	0.0005	0.0007	0.0010	0.0012	0.0015	0.0017	0.0020	0.0022	0.0025	0.0027	0.0030	0.0032	0.0035	0.0037	0.0040	0.0042	0.0045	0.0047	3.0
3.1- 5.0	3.7- 5.9	0.0025	0.0038	0.0051	0.0064	0.0077	0.0091	0.0104	0.0117	0.0130	0.0143	0.0156	0.0170	0.0183	0.0196	0.0209	0.0222	0.0235	0.0249	4.8
5.1- 7.0	6.0- 8.1	0.0053	0.0082	0.0111	0.0139	0.0168	0.0197	0.0226	0.0254	0.0283	0.0312	0.0341	0.0369	0.0398	0.0427	0.0456	0.0484	0.0513	0.0542	6.6
7.1- 9.0	8.3- 10.4	0.0091	0.0140	0.0190	0.0240	0.0289	0.0339	0.0389	0.0439	0.0488	0.0538	0.0588	0.0638	0.0687	0.0737	0.0787	0.0837	0.0886	0.0936	8.4
9.1-11.0	10.5- 12.6	0.0137	0.0212	0.0288	0.0364	0.0440	0.0516	0.0592	0.0668	0.0744	0.0820	0.0896	0.0972	0.1048	0.1124	0.1200	0.1276	0.1352	0.1428	10.1
11.1-13.0	12.7- 14.8	0.0191	0.0297	0.0404	0.0511	0.0618	0.0725	0.0833	0.0940	0.1047	0.1155	0.1262	0.1370	0.1477	0.1585	0.1692	0.1800	0.1907	0.2015	11.6
13.1-15.0	14.9- 17.0	0.0252	0.0394	0.0537	0.0680	0.0823	0.0967	0.1110	0.1254	0.1398	0.1542	0.1685	0.1829	0.1973	0.2117	0.2261	0.2405	0.2549	0.2693	13.1
15.1-17.0	17.1- 19.2	0.0322	0.0503	0.0686	0.0870	0.1054	0.1239	0.1424	0.1608	0.1793	0.1978	0.2164	0.2349	0.2534	0.2719	0.2904	0.3090	0.3275	0.3460	14.5
17.1-19.0	19.3- 21.4	0.0398	0.0624	0.0852	0.1081	0.1311	0.1541	0.1771	0.2002	0.2233	0.2464	0.2695	0.2926	0.3157	0.3389	0.3620	0.3852	0.4083	0.4315	15.8
19.1-21.0	21.5- 23.5	0.0481	0.0756	0.1033	0.1311	0.1591	0.1871	0.2152	0.2433	0.2715	0.2996	0.3278	0.3560	0.3842	0.4124	0.4406	0.4689	0.4971	0.5253	17.0
21.1-23.0	23.6- 25.7	0.0572	0.0898	0.1228	0.1561	0.1895	0.2230	0.2566	0.2902	0.3238	0.3575	0.3912	0.4249	0.4586	0.4924	0.5261	0.5599	0.5937	0.6275	18.1
23.1-25.0	25.8- 27.8	0.0669	0.1052	0.1439	0.1829	0.2222	0.2616	0.3011	0.3406	0.3802	0.4198	0.4595	0.4992	0.5389	0.5786	0.6184	0.6581	0.6979	0.7377	19.2
25.1-27.0	27.9- 29.9	0.0774	0.1215	0.1664	0.2116	0.2571	0.3028	0.3486	0.3946	0.4405	0.4866	0.5326	0.5787	0.6249	0.6710	0.7172	0.7634	0.8096	0.8558	20.2
27.1-29.0	30.0- 32.0	0.0885	0.1390	0.1902	0.2421	0.2942	0.3467	0.3992	0.4519	0.5047	0.5575	0.6104	0.6634	0.7164	0.7694	0.8224	0.8755	0.9285	0.9816	21.1
29.1-31.0	32.2- 34.1	0.1004	0.1574	0.2155	0.2743	0.3335	0.3930	0.4527	0.5126	0.5726	0.6327	0.6929	0.7531	0.8133	0.8736	0.9339	0.9943	1.0546	1.1150	21.9
31.1-33.0	34.2- 36.2	0.1130	0.1769	0.2421	0.3082	0.3748	0.4419	0.5091	0.5766	0.6442	0.7120	0.7798	0.8477	0.9156	0.9836	1.0516	1.1197	1.1877	1.2559	22.7
33.1-35.0	36.3- 38.3	0.1263	0.1974	0.2701	0.3438	0.4182	0.4931	0.5683	0.6438	0.7194	0.7952	0.8711	0.9470	1.0231	1.0992	1.1753	1.2515	1.3277	1.4040	23.5
35.1-37.0	38.4- 40.4	0.1404	0.2189	0.2994	0.3811	0.4636	0.5468	0.6303	0.7141	0.7982	0.8824	0.9667	1.0511	1.1357	1.2203	1.3049	1.3896	1.4744	1.5592	24.1
37.1-39.0	40.5- 42.4	0.1552	0.2415	0.3300	0.4200	0.5110	0.6028	0.6950	0.7875	0.8803	0.9734	1.0666	1.1599	1.2533	1.3468	1.4403	1.5340	1.6277	1.7214	24.8
39.1-41.0	42.5- 44.4	0.1708	0.2651	0.3619	0.4606	0.5604	0.6611	0.7623	0.8639	0.9659	1.0681	1.1705	1.2731	1.3758	1.4786	1.5815	1.6844	1.7874	1.8905	25.3
41.1-43.0	44.5- 46.4	0.1873	0.2898	0.3952	0.5027	0.6117	0.7216	0.8322	0.9433	1.0548	1.1666	1.2786	1.3908	1.5031	1.6156	1.7282	1.8408	1.9535	2.0663	25.9
43.1-45.0	46.5- 48.5	0.2045	0.3155	0.4297	0.5465	0.6648	0.7844	0.9047	1.0256	1.1470	1.2687	1.3906	1.5128	1.6352	1.7577	1.8803	2.0031	2.1259	2.2488	26.4
45.1-47.0	48.6- 50.4	0.2226	0.3422	0.4656	0.5918	0.7199	0.8493	0.9797	1.1108	1.2424	1.3743	1.5066	1.6392	1.7719	1.9048	2.0379	2.1711	2.3044	2.4377	26.9
47.1-49.0	50.5- 52.4	0.2415	0.3701	0.5027	0.6387	0.7768	0.9165	1.0572	1.1988	1.3409	1.4835	1.6264	1.7697	1.9132	2.0569	2.2007	2.3447	2.4888	2.6331	27.3
49.1-51.0	52.5- 54.4	0.2614	0.3990	0.5412	0.6871	0.8356	0.9858	1.1372	1.2895	1.4425	1.5961	1.7500	1.9043	2.0589	2.2137	2.3688	2.5239	2.6792	2.8347	27.7
51.1-53.0	54.5- 56.3	0.2822	0.4290	0.5810	0.7371	0.8962	1.0571	1.2195	1.3830	1.5472	1.7120	1.8774	2.0431	2.2091	2.3754	2.5419	2.7086	2.8755	3.0425	28.1
53.1-55.0	56.4- 58.3	0.3039	0.4602	0.6221	0.7887	0.9585	1.1306	1.3043	1.4791	1.6549	1.8313	2.0083	2.1858	2.3636	2.5417	2.7201	2.8986	3.0774	3.2563	28.4
55.1-57.0	58.4- 60.2	0.3266	0.4925	0.6645	0.8418	1.0227	1.2061	1.3914	1.5780	1.7655	1.9539	2.1429	2.3324	2.5223	2.7126	2.9032	3.0939	3.2849	3.4761	28.7
57.1-59.0	60.3- 62.1	0.3504	0.5260	0.7083	0.8965	1.0887	1.2837	1.4808	1.6794	1.8791	2.0797	2.2810	2.4829	2.6853	2.8880	3.0911	3.2944	3.4980	3.7018	29.0
59.1-61.0	62.2- 64.0	0.3752	0.5606	0.7534	0.9527	1.1564	1.3633	1.5725	1.7834	1.9956	2.2087	2.4227	2.6373	2.8524	3.0679	3.2838	3.5000	3.7165	3.9333	29.3
61.1-63.0	64.1- 65.9	0.4010	0.5965	0.7999	1.0104	1.2260	1.4450	1.6665	1.8900	2.1149	2.3408	2.5677	2.7953	3.0235	3.2522	3.4812	3.7107	3.9404	4.1704	29.6
63.1-65.0	66.0- 67.8	0.4280	0.6336	0.8478	1.0697	1.2972	1.5286	1.7628	1.9991	2.2369	2.4761	2.7162	2.9571	3.1986	3.4407	3.6833	3.9262	4.1695	4.4131	29.8
65.1-67.0	67.9- 69.7	0.4562	0.6719	0.8970	1.1306	1.3703	1.6142	1.8613	2.1107	2.3618	2.6143	2.8679	3.1225	3.3777	3.6335	3.8899	4.1467	4.4038	4.6613	30.0
67.1-69.0	69.7- 71.5	0.4855	0.7116	0.9476	1.1930	1.4451	1.7018	1.9620	2.2247	2.4894	2.7556	3.0230	3.2914	3.5606	3.8305	4.1010	4.3719	4.6432	4.9149	30.2
69.1-71.0	71.6- 73.3	0.5161	0.7525	0.9997	1.2570	1.5216	1.7914	2.0649	2.3412	2.6197	2.8998	3.1813	3.4639	3.7474	4.0316	4.3165	4.6018	4.8876	5.1739	30.4
71.1-73.0	73.4- 75.2	0.5480	0.7948	1.0532	1.3226	1.5999	1.8829	2.1700	2.4601	2.7527	3.0470	3.3429	3.6399	3.9379	4.2368	4.5363	4.8364	5.1370	5.4381	30.6
73.1-75.0	75.3- 77.0	0.5812	0.8385	1.1081	1.3897	1.6799	1.9763	2.2772	2.5814	2.8883	3.1971	3.5076	3.8193	4.1322	4.4459	4.7604	5.0756	5.3913	5.7074	30.7
75.1-77.0	77.1- 78.8	0.6157	0.8835	1.1645	1.4584	1.7617	2.0717	2.3866	2.7051	3.0265	3.3500	3.6754	4.0021	4.3301	4.6590	4.9888	5.3192	5.6503	5.9819	30.9
77.1-79.0	78.9- 80.6	0.6517	0.9300	1.2224	1.5288	1.8453	2.1690	2.4981	2.8312	3.1673	3.5058	3.8463	4.1883	4.5316	4.8760	5.2213	5.5673	5.9140	6.2613	31.0
79.1-81.0	80.7- 82.3	0.6891	0.9780	1.2818	1.6007	1.9306	2.2683	2.6117	2.9595	3.3107	3.6644	4.0202	4.3778	4.7367	5.0968	5.4579	5.8198	6.1824	6.5457	31.2

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 31. Merchantable volume (m^3) from 0.30 m stump height to 7.0 cm top dib

SPECIES: JACK PINE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
7.1- 9.0	8.3- 10.4	0.0020	0.0036	0.0052	0.0068	0.0084	0.0099	0.0115	0.0131	0.0147	0.0162	0.0178	0.0194	0.0210	0.0225	0.0241	0.0257	0.0273	0.0288	8.4
9.1-11.0	10.5- 12.6	0.0077	0.0134	0.0191	0.0249	0.0307	0.0365	0.0423	0.0481	0.0540	0.0598	0.0656	0.0715	0.0773	0.0832	0.0890	0.0949	0.1007	0.1066	10.1
11.1-13.0	12.7- 14.8	0.0131	0.0224	0.0318	0.0413	0.0508	0.0603	0.0699	0.0794	0.0889	0.0985	0.1081	0.1176	0.1272	0.1368	0.1463	0.1559	0.1655	0.1751	11.6
13.1-15.0	14.9- 17.0	0.0185	0.0317	0.0450	0.0583	0.0717	0.0851	0.0986	0.1120	0.1255	0.1390	0.1524	0.1659	0.1794	0.1929	0.2064	0.2199	0.2334	0.2469	13.1
15.1-17.0	17.1- 19.2	0.0243	0.0416	0.0591	0.0767	0.0944	0.1121	0.1298	0.1475	0.1653	0.1830	0.2008	0.2186	0.2363	0.2541	0.2719	0.2897	0.3075	0.3253	14.5
17.1-19.0	19.3- 21.4	0.0305	0.0523	0.0744	0.0967	0.1190	0.1414	0.1638	0.1862	0.2087	0.2311	0.2536	0.2761	0.2986	0.3211	0.3436	0.3661	0.3887	0.4112	15.8
19.1-21.0	21.5- 23.5	0.0371	0.0638	0.0910	0.1183	0.1457	0.1732	0.2007	0.2282	0.2558	0.2834	0.3111	0.3387	0.3664	0.3940	0.4217	0.4494	0.4771	0.5047	17.0
21.1-23.0	23.6- 25.7	0.0441	0.0762	0.1087	0.1415	0.1744	0.2074	0.2405	0.2736	0.3068	0.3399	0.3732	0.4064	0.4396	0.4729	0.5062	0.5394	0.5727	0.6060	18.1
23.1-25.0	25.8- 27.8	0.0515	0.0893	0.1276	0.1663	0.2051	0.2441	0.2831	0.3222	0.3614	0.4006	0.4398	0.4791	0.5183	0.5576	0.5969	0.6363	0.6756	0.7149	19.2
25.1-27.0	27.9- 29.9	0.0594	0.1032	0.1477	0.1926	0.2378	0.2831	0.3286	0.3741	0.4197	0.4653	0.5110	0.5567	0.6024	0.6482	0.6940	0.7397	0.7855	0.8314	20.2
27.1-29.0	30.0- 32.0	0.0677	0.1178	0.1689	0.2205	0.2724	0.3245	0.3768	0.4291	0.4816	0.5341	0.5866	0.6392	0.6918	0.7444	0.7971	0.8498	0.9025	0.9552	21.1
29.1-31.0	32.2- 34.1	0.0763	0.1332	0.1912	0.2499	0.3089	0.3682	0.4277	0.4873	0.5469	0.6067	0.6665	0.7264	0.7863	0.8463	0.9063	0.9663	1.0263	1.0864	21.9
31.1-33.0	34.2- 36.2	0.0854	0.1494	0.2147	0.2807	0.3473	0.4141	0.4812	0.5484	0.6158	0.6832	0.7507	0.8183	0.8859	0.9536	1.0213	1.0891	1.1569	1.2247	22.7
33.1-35.0	36.3- 38.3	0.0949	0.1663	0.2392	0.3130	0.3874	0.4622	0.5373	0.6125	0.6879	0.7635	0.8391	0.9148	0.9905	1.0664	1.1422	1.2181	1.2940	1.3700	23.5
35.1-37.0	38.4- 40.4	0.1048	0.1839	0.2648	0.3467	0.4294	0.5125	0.5959	0.6796	0.7634	0.8474	0.9315	1.0157	1.1000	1.1844	1.2688	1.3532	1.4377	1.5222	24.1
37.1-39.0	40.5- 42.4	0.1151	0.2022	0.2914	0.3818	0.4730	0.5648	0.6570	0.7495	0.8422	0.9350	1.0280	1.1211	1.2143	1.3076	1.4009	1.4943	1.5878	1.6812	24.8
39.1-41.0	42.5- 44.4	0.1258	0.2213	0.3190	0.4183	0.5184	0.6192	0.7205	0.8221	0.9240	1.0261	1.1284	1.2308	1.3333	1.4359	1.5385	1.6413	1.7441	1.8469	25.3
41.1-43.0	44.5- 46.4	0.1369	0.2410	0.3477	0.4560	0.5655	0.6757	0.7864	0.8976	1.0090	1.1207	1.2326	1.3447	1.4569	1.5691	1.6815	1.7940	1.9065	2.0191	25.9
43.1-45.0	46.5- 48.5	0.1485	0.2615	0.3774	0.4951	0.6142	0.7341	0.8546	0.9757	1.0971	1.2187	1.3406	1.4627	1.5850	1.7073	1.8298	1.9523	2.0750	2.1977	26.4
45.1-47.0	48.6- 50.4	0.1604	0.2827	0.4080	0.5355	0.6645	0.7945	0.9252	1.0564	1.1881	1.3201	1.4524	1.5848	1.7175	1.8503	1.9832	2.1163	2.2494	2.3826	26.9
47.1-49.0	50.5- 52.4	0.1728	0.3045	0.4397	0.5772	0.7164	0.8567	0.9979	1.1397	1.2820	1.4247	1.5677	1.7109	1.8544	1.9980	2.1417	2.2856	2.4296	2.5737	27.3
49.1-51.0	52.5- 54.4	0.1857	0.3271	0.4723	0.6202	0.7699	0.9209	1.0729	1.2256	1.3789	1.5326	1.6866	1.8410	1.9956	2.1503	2.3053	2.4603	2.6155	2.7709	27.7
51.1-53.0	54.5- 56.3	0.1990	0.3505	0.5059	0.6644	0.8249	0.9869	1.1500	1.3140	1.4785	1.6436	1.8091	1.9749	2.1409	2.3072	2.4737	2.6403	2.8071	2.9740	28.1
53.1-55.0	56.4- 58.3	0.2127	0.3745	0.5405	0.7098	0.8815	1.0548	1.2293	1.4048	1.5810	1.7578	1.9350	2.1125	2.2904	2.4686	2.6469	2.8255	3.0042	3.1830	28.4
55.1-57.0	58.4- 60.2	0.2269	0.3993	0.5761	0.7565	0.9396	1.1245	1.3107	1.4981	1.6862	1.8750	2.0642	2.2539	2.4440	2.6343	2.8249	3.0157	3.2067	3.3978	28.7
57.1-59.0	60.3- 62.1	0.2416	0.4248	0.6127	0.8045	0.9991	1.1959	1.3942	1.5937	1.7941	1.9952	2.1968	2.3990	2.6015	2.8044	3.0075	3.2109	3.4145	3.6183	29.0
59.1-61.0	62.2- 64.0	0.2568	0.4510	0.6502	0.8536	1.0602	1.2691	1.4797	1.6917	1.9046	2.1183	2.3327	2.5476	2.7630	2.9787	3.1948	3.4111	3.6276	3.8443	29.3
61.1-63.0	64.1- 65.9	0.2725	0.4780	0.6887	0.9040	1.1228	1.3441	1.5673	1.7919	2.0177	2.2444	2.4718	2.6998	2.9283	3.1572	3.3865	3.6160	3.8458	4.0759	29.6
63.1-65.0	66.0- 67.8	0.2887	0.5057	0.7282	0.9556	1.1868	1.4207	1.6568	1.8945	2.1334	2.3734	2.6141	2.8555	3.0974	3.3398	3.5826	3.8257	4.0691	4.3128	29.8
65.1-67.0	67.9- 69.7	0.3054	0.5342	0.7686	1.0084	1.2522	1.4991	1.7483	1.9993	2.2517	2.5051	2.7595	3.0146	3.2703	3.5265	3.7831	4.0401	4.2974	4.5550	30.0
67.1-69.0	69.7- 71.5	0.3226	0.5635	0.8101	1.0624	1.3191	1.5792	1.8418	2.1063	2.3724	2.6397	2.9080	3.1770	3.4468	3.7171	3.9879	4.2591	4.5306	4.8025	30.2
69.1-71.0	71.6- 73.3	0.3404	0.5936	0.8525	1.1176	1.3874	1.6609	1.9372	2.2155	2.4956	2.7770	3.0595	3.3428	3.6269	3.9116	4.1969	4.4826	4.7687	5.0551	30.4
71.1-73.0	73.4- 75.2	0.3587	0.6244	0.8960	1.1740	1.4572	1.7443	2.0344	2.3269	2.6212	2.9170	3.2139	3.5119	3.8106	4.1100	4.4100	4.7105	5.0114	5.3127	30.6
73.1-75.0	75.3- 77.0	0.3777	0.6561	0.9404	1.2316	1.5283	1.8293	2.1336	2.4404	2.7492	3.0597	3.3714	3.6841	3.9978	4.3122	4.6273	4.9428	5.2589	5.5754	30.7
75.1-77.0	77.1- 78.8	0.3972	0.6886	0.9859	1.2904	1.6009	1.9160	2.2347	2.5561	2.8796	3.2049	3.5317	3.8596	4.1884	4.5181	4.8485	5.1795	5.5110	5.8429	30.9
77.1-79.0	78.9- 80.6	0.4173	0.7219	1.0324	1.3505	1.6749	2.0043	2.3376	2.6738	3.0124	3.3528	3.6949	4.0381	4.3825	4.7277	5.0737	5.4204	5.7676	6.1153	31.0
79.1-81.0	80.7- 82.3	0.4380	0.7561	1.0799	1.4117	1.7503	2.0942	2.4423	2.7936	3.1474	3.5033	3.8608	4.2198	4.5799	4.9409	5.3028	5.6654	6.0286	6.3924	31.2

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 32. Merchantable volume (m^3) from 0.30 m stump height to 10.0 cm top dib

SPECIES: JACK PINE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.7- 14.8	0.0056	0.0099	0.0142	0.0185	0.0228	0.0270	0.0313	0.0356	0.0399	0.0442	0.0485	0.0527	0.0570	0.0613	0.0656	0.0699	0.0742	0.0785	11.6
13.1-15.0	14.9- 17.0	0.0129	0.0227	0.0327	0.0429	0.0531	0.0634	0.0737	0.0840	0.0943	0.1047	0.1150	0.1254	0.1358	0.1462	0.1565	0.1669	0.1773	0.1877	13.1
15.1-17.0	17.1- 19.2	0.0198	0.0347	0.0500	0.0653	0.0808	0.0963	0.1118	0.1274	0.1430	0.1586	0.1742	0.1898	0.2054	0.2211	0.2367	0.2523	0.2680	0.2836	14.5
17.1-19.0	19.3- 21.4	0.0267	0.0467	0.0671	0.0876	0.1082	0.1289	0.1496	0.1704	0.1912	0.2120	0.2328	0.2536	0.2744	0.2953	0.3161	0.3370	0.3578	0.3787	15.8
19.1-21.0	21.5- 23.5	0.0338	0.0590	0.0847	0.1106	0.1366	0.1627	0.1889	0.2151	0.2413	0.2675	0.2938	0.3201	0.3464	0.3727	0.3990	0.4253	0.4516	0.4779	17.0
21.1-23.0	23.6- 25.7	0.0412	0.0719	0.1032	0.1348	0.1665	0.1984	0.2303	0.2622	0.2942	0.3263	0.3583	0.3904	0.4225	0.4546	0.4867	0.5188	0.5509	0.5831	18.1
23.1-25.0	25.8- 27.8	0.0489	0.0855	0.1227	0.1603	0.1981	0.2361	0.2741	0.3122	0.3503	0.3885	0.4267	0.4650	0.5033	0.5415	0.5798	0.6182	0.6565	0.6948	19.2
25.1-27.0	27.9- 29.9	0.0570	0.0997	0.1432	0.1872	0.2315	0.2759	0.3204	0.3651	0.4098	0.4545	0.4993	0.5441	0.5889	0.6338	0.6787	0.7236	0.7685	0.8134	20.2
27.1-29.0	30.0- 32.0	0.0654	0.1146	0.1648	0.2155	0.2666	0.3179	0.3693	0.4209	0.4725	0.5242	0.5759	0.6277	0.6795	0.7314	0.7832	0.8351	0.8870	0.9390	21.1
29.1-31.0	32.2- 34.1	0.0742	0.1302	0.1874	0.2453	0.3035	0.3621	0.4208	0.4797	0.5386	0.5976	0.6567	0.7159	0.7751	0.8343	0.8936	0.9529	1.0122	1.0715	21.9
31.1-33.0	34.2- 36.2	0.0834	0.1465	0.2111	0.2764	0.3422	0.4084	0.4748	0.5413	0.6080	0.6748	0.7416	0.8086	0.8755	0.9426	1.0096	1.0767	1.1438	1.2109	22.7
33.1-35.0	36.3- 38.3	0.0930	0.1635	0.2358	0.3089	0.3827	0.4568	0.5313	0.6059	0.6807	0.7556	0.8306	0.9057	0.9808	1.0560	1.1313	1.2066	1.2819	1.3572	23.5
35.1-37.0	38.4- 40.4	0.1029	0.1813	0.2615	0.3428	0.4249	0.5074	0.5902	0.6733	0.7566	0.8400	0.9236	1.0072	1.0909	1.1747	1.2585	1.3424	1.4263	1.5103	24.1
37.1-39.0	40.5- 42.4	0.1133	0.1997	0.2882	0.3781	0.4687	0.5600	0.6516	0.7435	0.8357	0.9280	1.0205	1.1130	1.2057	1.2984	1.3912	1.4841	1.5770	1.6700	24.8
39.1-41.0	42.5- 44.4	0.1241	0.2188	0.3160	0.4147	0.5143	0.6146	0.7154	0.8165	0.9179	1.0195	1.1212	1.2231	1.3251	1.4272	1.5294	1.6316	1.7339	1.8363	25.3
41.1-43.0	44.5- 46.4	0.1352	0.2387	0.3448	0.4526	0.5615	0.6712	0.7815	0.8922	1.0031	1.1144	1.2258	1.3374	1.4491	1.5609	1.6728	1.7848	1.8969	2.0090	25.9
43.1-45.0	46.5- 48.5	0.1468	0.2592	0.3745	0.4918	0.6103	0.7298	0.8499	0.9705	1.0914	1.2126	1.3341	1.4557	1.5775	1.6994	1.8215	1.9436	2.0658	2.1881	26.4
45.1-47.0	48.6- 50.4	0.1588	0.2804	0.4053	0.5323	0.6608	0.7903	0.9206	1.0514	1.1826	1.3142	1.4461	1.5781	1.7104	1.8427	1.9753	2.1079	2.2406	2.3734	26.9
47.1-49.0	50.5- 52.4	0.1713	0.3024	0.4370	0.5741	0.7128	0.8527	0.9935	1.1349	1.2768	1.4191	1.5617	1.7045	1.8475	1.9907	2.1341	2.2776	2.4212	2.5648	27.3
49.1-51.0	52.5- 54.4	0.1842	0.3250	0.4697	0.6171	0.7664	0.9170	1.0686	1.2209	1.3738	1.5271	1.6808	1.8347	1.9889	2.1433	2.2979	2.4526	2.6074	2.7623	27.7
51.1-53.0	54.5- 56.3	0.1975	0.3484	0.5034	0.6614	0.8215	0.9831	1.1459	1.3094	1.4736	1.6383	1.8034	1.9688	2.1345	2.3005	2.4666	2.6328	2.7993	2.9658	28.1
53.1-55.0	56.4- 58.3	0.2113	0.3725	0.5380	0.7069	0.8781	1.0511	1.2252	1.4004	1.5762	1.7526	1.9295	2.1067	2.2842	2.4620	2.6400	2.8182	2.9966	3.1751	28.4
55.1-57.0	58.4- 60.2	0.2255	0.3972	0.5736	0.7537	0.9363	1.1208	1.3067	1.4937	1.6815	1.8699	2.0589	2.2482	2.4380	2.6280	2.8182	3.0087	3.1993	3.3901	28.7
57.1-59.0	60.3- 62.1	0.2402	0.4228	0.6102	0.8016	0.9959	1.1923	1.3903	1.5894	1.7895	1.9903	2.1916	2.3934	2.5957	2.7982	3.0010	3.2041	3.4074	3.6108	29.0
59.1-61.0	62.2- 64.0	0.2554	0.4490	0.6478	0.8508	1.0571	1.2656	1.4759	1.6875	1.9001	2.1135	2.3276	2.5422	2.7573	2.9727	3.1884	3.4044	3.6206	3.8371	29.3
61.1-63.0	64.1- 65.9	0.2711	0.4760	0.6863	0.9012	1.1196	1.3406	1.5635	1.7879	2.0133	2.2397	2.4668	2.6945	2.9227	3.1513	3.3803	3.6095	3.8391	4.0688	29.6
63.1-65.0	66.0- 67.8	0.2873	0.5038	0.7258	0.9529	1.1837	1.4173	1.6531	1.8905	2.1291	2.3688	2.6092	2.8503	3.0920	3.3341	3.5766	3.8194	4.0625	4.3059	29.8
65.1-67.0	67.9- 69.7	0.3040	0.5323	0.7663	1.0057	1.2492	1.4958	1.7447	1.9954	2.2474	2.5006	2.7547	3.0095	3.2649	3.5208	3.7772	4.0339	4.2910	4.5483	30.0
67.1-69.0	69.7- 71.5	0.3213	0.5616	0.8078	1.0597	1.3161	1.5759	1.8382	2.1024	2.3682	2.6353	2.9032	3.1721	3.4415	3.7116	3.9821	4.2530	4.5243	4.7959	30.2
69.1-71.0	71.6- 73.3	0.3391	0.5917	0.8503	1.1150	1.3845	1.6576	1.9336	2.2117	2.4915	2.7726	3.0548	3.3379	3.6218	3.9062	4.1912	4.4766	4.7625	5.0486	30.4
71.1-73.0	73.4- 75.2	0.3575	0.6226	0.8937	1.1714	1.4542	1.7411	2.0309	2.3231	2.6172	2.9127	3.2094	3.5070	3.8055	4.1047	4.4044	4.7047	5.0053	5.3064	30.6
73.1-75.0	75.3- 77.0	0.3764	0.6543	0.9382	1.2290	1.5254	1.8261	2.1301	2.4367	2.7452	3.0554	3.3669	3.6794	3.9928	4.3070	4.6218	4.9371	5.2529	5.5691	30.7
75.1-77.0	77.1- 78.8	0.3959	0.6868	0.9837	1.2879	1.5980	1.9129	2.2312	2.5524	2.8757	3.2007	3.5272	3.8549	4.1835	4.5130	4.8431	5.1738	5.5051	5.8368	30.9
77.1-79.0	78.9- 80.6	0.4161	0.7202	1.0302	1.3479	1.6721	2.0012	2.3341	2.6701	3.0084	3.3487	3.6905	4.0335	4.3776	4.7226	5.0684	5.4148	5.7618	6.1092	31.0
79.1-81.0	80.7- 82.3	0.4368	0.7544	1.0777	1.4092	1.7475	2.0911	2.4389	2.7899	3.1435	3.4992	3.8565	4.2152	4.5751	4.9359	5.2976	5.6599	6.0229	6.3864	31.2

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

ALBERTA LAND AND FOREST SERVICES — INDIVIDUAL TREE VOLUME TABLE (1994)

Table 33. Merchantable volume (m^3) from 0.30 m stump height to 11.0 cm top dib

SPECIES: JACK PINE
NATURAL REGIONS: ALL (PROVINCIAL)

DBHOB (cm)	STUMP DOB (cm)	TOTAL TREE HEIGHT (m) 3.1-5.0	5.1-7.0	7.1-9.0	9.1-11.0	11.1-13.0	13.1-15.0	15.1-17.0	17.1-19.0	19.1-21.0	21.1-23.0	23.1-25.0	25.1-27.0	27.1-29.0	29.1-31.0	31.1-33.0	33.1-35.0	35.1-37.0	37.1-39.0	Predicted HT (m)
11.1-13.0	12.7- 14.8	0.0023	0.0042	0.0060	0.0077	0.0094	0.0111	0.0128	0.0145	0.0162	0.0179	0.0195	0.0212	0.0229	0.0246	0.0263	0.0279	0.0296	0.0313	11.6
13.1-15.0	14.9- 17.0	0.0097	0.0171	0.0246	0.0322	0.0399	0.0475	0.0552	0.0629	0.0707	0.0784	0.0861	0.0939	0.1016	0.1094	0.1172	0.1249	0.1327	0.1405	13.1
15.1-17.0	17.1- 19.2	0.0173	0.0305	0.0441	0.0579	0.0717	0.0856	0.0996	0.1136	0.1276	0.1416	0.1557	0.1697	0.1838	0.1979	0.2120	0.2260	0.2401	0.2542	14.5
17.1-19.0	19.3- 21.4	0.0247	0.0434	0.0626	0.0820	0.1015	0.1210	0.1407	0.1603	0.1800	0.1997	0.2194	0.2392	0.2589	0.2787	0.2984	0.3182	0.3380	0.3577	15.8
19.1-21.0	21.5- 23.5	0.0321	0.0563	0.0811	0.1061	0.1312	0.1565	0.1818	0.2071	0.2325	0.2579	0.2833	0.3087	0.3342	0.3596	0.3851	0.4106	0.4360	0.4615	17.0
21.1-23.0	23.6- 25.7	0.0397	0.0696	0.1001	0.1310	0.1620	0.1931	0.2243	0.2556	0.2869	0.3182	0.3496	0.3810	0.4124	0.4438	0.4752	0.5066	0.5381	0.5695	18.1
23.1-25.0	25.8- 27.8	0.0475	0.0834	0.1200	0.1570	0.1942	0.2315	0.2690	0.3065	0.3440	0.3816	0.4193	0.4569	0.4946	0.5323	0.5700	0.6077	0.6455	0.6832	19.2
25.1-27.0	27.9- 29.9	0.0557	0.0978	0.1408	0.1842	0.2280	0.2719	0.3159	0.3600	0.4042	0.4484	0.4927	0.5370	0.5813	0.6257	0.6700	0.7144	0.7588	0.8032	20.2
27.1-29.0	30.0- 32.0	0.0642	0.1129	0.1626	0.2128	0.2634	0.3143	0.3652	0.4163	0.4675	0.5187	0.5700	0.6214	0.6727	0.7241	0.7755	0.8270	0.8784	0.9299	21.1
29.1-31.0	32.2- 34.1	0.0731	0.1286	0.1854	0.2428	0.3006	0.3587	0.4171	0.4755	0.5340	0.5927	0.6514	0.7101	0.7689	0.8277	0.8866	0.9454	1.0043	1.0633	21.9
31.1-33.0	34.2- 36.2	0.0824	0.1450	0.2092	0.2741	0.3395	0.4053	0.4713	0.5375	0.6038	0.6702	0.7367	0.8033	0.8699	0.9365	1.0032	1.0699	1.1366	1.2034	22.7
33.1-35.0	36.3- 38.3	0.0920	0.1621	0.2340	0.3068	0.3802	0.4540	0.5281	0.6023	0.6768	0.7514	0.8260	0.9008	0.9756	1.0504	1.1253	1.2003	1.2753	1.3503	23.5
35.1-37.0	38.4- 40.4	0.1020	0.1799	0.2598	0.3408	0.4225	0.5047	0.5872	0.6700	0.7529	0.8361	0.9193	1.0026	1.0860	1.1695	1.2530	1.3366	1.4202	1.5038	24.1
37.1-39.0	40.5- 42.4	0.1124	0.1984	0.2866	0.3761	0.4665	0.5574	0.6488	0.7404	0.8322	0.9243	1.0164	1.1087	1.2011	1.2935	1.3861	1.4786	1.5713	1.6639	24.8
39.1-41.0	42.5- 44.4	0.1232	0.2176	0.3145	0.4128	0.5122	0.6122	0.7127	0.8135	0.9146	1.0159	1.1174	1.2190	1.3208	1.4226	1.5245	1.6264	1.7285	1.8305	25.3
41.1-43.0	44.5- 46.4	0.1344	0.2375	0.3433	0.4508	0.5595	0.6689	0.7789	0.8893	1.0000	1.1110	1.2222	1.3335	1.4449	1.5565	1.6682	1.7799	1.8917	2.0036	25.9
43.1-45.0	46.5- 48.5	0.1460	0.2581	0.3731	0.4901	0.6084	0.7276	0.8474	0.9677	1.0884	1.2094	1.3306	1.4520	1.5736	1.6953	1.8171	1.9389	2.0609	2.1829	26.4
45.1-47.0	48.6- 50.4	0.1581	0.2793	0.4039	0.5306	0.6589	0.7882	0.9182	1.0488	1.1798	1.3111	1.4428	1.5746	1.7066	1.8388	1.9710	2.1034	2.2359	2.3685	26.9
47.1-49.0	50.5- 52.4	0.1705	0.3013	0.4356	0.5725	0.7110	0.8506	0.9912	1.1324	1.2741	1.4161	1.5585	1.7011	1.8439	1.9869	2.1301	2.2733	2.4167	2.5602	27.3
49.1-51.0	52.5- 54.4	0.1834	0.3240	0.4684	0.6155	0.7646	0.9150	1.0664	1.2185	1.3712	1.5243	1.6777	1.8315	1.9855	2.1397	2.2940	2.4485	2.6031	2.7579	27.7
51.1-53.0	54.5- 56.3	0.1968	0.3474	0.5021	0.6599	0.8198	0.9812	1.1437	1.3071	1.4711	1.6356	1.8005	1.9657	2.1312	2.2969	2.4628	2.6289	2.7951	2.9615	28.1
53.1-55.0	56.4- 58.3	0.2106	0.3715	0.5368	0.7054	0.8765	1.0492	1.2232	1.3981	1.5737	1.7499	1.9266	2.1036	2.2810	2.4586	2.6364	2.8144	2.9926	3.1709	28.4
55.1-57.0	58.4- 60.2	0.2248	0.3963	0.5724	0.7522	0.9346	1.1190	1.3047	1.4915	1.6791	1.8673	2.0561	2.2453	2.4348	2.6247	2.8147	3.0050	3.1955	3.3861	28.7
57.1-59.0	60.3- 62.1	0.2396	0.4218	0.6090	0.8002	0.9943	1.1905	1.3883	1.5873	1.7871	1.9877	2.1889	2.3906	2.5926	2.7950	2.9977	3.2006	3.4037	3.6069	29.0
59.1-61.0	62.2- 64.0	0.2548	0.4481	0.6466	0.8494	1.0555	1.2638	1.4740	1.6854	1.8978	2.1111	2.3250	2.5394	2.7543	2.9696	3.1851	3.4010	3.6170	3.8333	29.3
61.1-63.0	64.1- 65.9	0.2705	0.4751	0.6852	0.8999	1.1181	1.3389	1.5616	1.7858	2.0111	2.2373	2.4643	2.6918	2.9199	3.1483	3.3771	3.6062	3.8355	4.0651	29.6
63.1-65.0	66.0- 67.8	0.2867	0.5029	0.7247	0.9515	1.1822	1.4156	1.6512	1.8885	2.1269	2.3664	2.6067	2.8477	3.0892	3.3311	3.5735	3.8161	4.0591	4.3023	29.8
65.1-67.0	67.9- 69.7	0.3034	0.5314	0.7652	1.0044	1.2477	1.4941	1.7428	1.9934	2.2453	2.4983	2.7523	3.0069	3.2622	3.5179	3.7742	4.0307	4.2876	4.5448	30.0
67.1-69.0	69.7- 71.5	0.3207	0.5608	0.8067	1.0584	1.3146	1.5742	1.8364	2.1005	2.3661	2.6330	2.9009	3.1695	3.4388	3.7087	3.9791	4.2499	4.5210	4.7925	30.2
69.1-71.0	71.6- 73.3	0.3385	0.5908	0.8492	1.1137	1.3830	1.6560	1.9318	2.2098	2.4894	2.7704	3.0525	3.3354	3.6191	3.9034	4.1883	4.4736	4.7593	5.0453	30.4
71.1-73.0	73.4- 75.2	0.3569	0.6217	0.8927	1.1701	1.4528	1.7395	2.0292	2.3212	2.6151	2.9105	3.2071	3.5046	3.8029	4.1020	4.4016	4.7017	5.0022	5.3031	30.6
73.1-75.0	75.3- 77.0	0.3758	0.6534	0.9371	1.2278	1.5240	1.8246	2.1284	2.4348	2.7432	3.0533	3.3646	3.6770	3.9903	4.3043	4.6190	4.9342	5.2499	5.5660	30.7
75.1-77.0	77.1- 78.8	0.3954	0.6860	0.9826	1.2866	1.5966	1.9113	2.2295	2.5505	2.8737	3.1986	3.5250	3.8525	4.1810	4.5103	4.8403	5.1710	5.5021	5.8337	30.9
77.1-79.0	78.9- 80.6	0.4155	0.7193	1.0291	1.3467	1.6707	1.9996	2.3325	2.6683	3.0065	3.3466	3.6883	4.0312	4.3752	4.7200	5.0657	5.4120	5.7588	6.1062	31.0
79.1-81.0	80.7- 82.3	0.4363	0.7535	1.0767	1.4080	1.7461	2.0896	2.4372	2.7881	3.1416	3.4971	3.8543	4.2129	4.5726	4.9334	5.2949	5.6571	6.0200	6.3834	31.2

UNDERLINED VALUES IN THE MIDDLE PORTION OF THE TABLE REPRESENT VOLUMES FOR AVERAGE HEIGHT-DIAMETER TREES.

Appendix 1.

List of Natural Subregions of Alberta

Natural subregion 1 - Central mixedwood
Natural subregion 2 - Dry mixedwood
Natural subregion 3 - Wetland mixedwood
Natural subregion 4 - Sub-Arctic
Natural subregion 5 - Peace River Lowlands
Natural subregion 6 - Boreal Highlands
Natural subregion 7 - Alpine
Natural subregion 8 - Sub-Alpine
Natural subregion 9 - Montane
Natural subregion 10 - Upper Foothills
Natural subregion 11 - Lower Foothills
Natural subregion 12 - Athabasca Plain
Natural subregion 13 - Kazan Upland
Natural subregion 14 - Foothills Parkland
Natural subregion 15 - Peace River Parkland
Natural subregion 16 - Central Parkland
Natural subregion 17 - Dry mixedgrass
Natural subregion 18 - Foothills Fescue
Natural subregion 19 - Northern Fescue
Natural subregion 20 - Mixedgrass