

A TRUE PICTURE

Taking Inventory of Your Woodlot



EASTERN ONTARIO
MODEL FOREST

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APPENDIX 7b

Approximate Gross Merchantable Volume of Standing Trees in Cubic Metres, Using Merchantable Height

(Based on Stralair's Formula Form Class #719)

DBH (cm)	MERCHANTABLE LENGTHS IN METRES																			
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
20	0.030	0.550	0.076	0.066	0.117	0.103	0.150	0.165	0.176	0.102	0.264	0.214	0.223	0.236	0.247	0.254	0.259	0.263	0.267	
22	0.047	0.871	0.095	0.116	0.142	0.163	0.162	0.206	0.216	0.234	0.248	0.261	0.275	0.283	0.303	0.312	0.319	0.325	0.329	
24	0.067	0.845	0.113	0.141	0.168	0.194	0.194	0.238	0.238	0.265	0.268	0.281	0.295	0.303	0.309	0.316	0.320	0.324	0.328	
26	0.066	0.990	0.130	0.166	0.198	0.227	0.225	0.266	0.234	0.330	0.352	0.371	0.390	0.404	0.432	0.445	0.467	0.470	0.476	
28	0.077	1.110	0.154	0.192	0.229	0.264	0.256	0.328	0.353	0.385	0.410	0.433	0.453	0.472	0.520	0.521	0.526	0.546	0.550	
30	0.086	1.132	0.177	0.221	0.263	0.303	0.340	0.374	0.435	0.443	0.472	0.499	0.524	0.547	0.579	0.596	0.616	0.631	0.644	
32	0.100	1.155	0.201	0.251	0.300	0.345	0.387	0.426	0.483	0.506	0.540	0.571	0.600	0.626	0.661	0.671	0.730	0.746	0.760	
34	0.113	1.170	0.227	0.283	0.338	0.390	0.436	0.482	0.524	0.575	0.611	0.647	0.680	0.711	0.757	0.784	0.859	0.830	0.849	
36	0.127	1.181	0.254	0.316	0.379	0.437	0.491	0.542	0.588	0.644	0.680	0.738	0.796	0.801	0.863	0.886	0.913	0.936	0.960	
38	0.142	1.212	0.303	0.354	0.423	0.487	0.547	0.604	0.658	0.719	0.768	0.814	0.857	0.907	0.926	0.964	1.007	1.056	1.082	
40	0.157	1.245	0.354	0.405	0.482	0.549	0.607	0.666	0.727	0.798	0.853	0.904	0.952	0.999	1.110	1.146	1.191	1.212	1.212	
42	0.173	1.259	0.346	0.432	0.518	0.585	0.669	0.756	0.843	0.911	0.942	1.060	1.054	1.104	1.163	1.226	1.273	1.310	1.345	
44	0.190	1.285	0.380	0.475	0.567	0.654	0.735	0.812	0.883	0.969	1.037	1.106	1.193	1.216	1.302	1.354	1.411	1.444	1.483	
46	0.207	1.311	0.415	0.519	0.619	0.715	0.804	0.886	0.967	1.056	1.126	1.206	1.271	1.333	1.427	1.484	1.537	1.584	1.628	
48	0.220	1.338	0.452	0.565	0.673	0.778	0.870	0.960	1.025	1.150	1.238	1.315	1.388	1.456	1.537	1.620	1.678	1.731	1.779	
50	0.246	1.368	0.490	0.613	0.732	0.845	0.951	1.052	1.148	1.249	1.345	1.432	1.509	1.584	1.673	1.762	1.823	1.883	1.938	
52	0.265	1.388	0.530	0.663	0.782	0.914	1.033	1.156	1.241	1.360	1.453	1.548	1.638	1.717	1.837	1.913	1.981	2.045	2.103	
54	0.286	1.423	0.572	0.715	0.854	0.988	1.113	1.239	1.343	1.468	1.573	1.672	1.765	1.853	1.987	2.059	2.145	2.214	2.278	
56	0.307	1.461	0.615	0.769	0.918	1.061	1.196	1.323	1.443	1.560	1.656	1.696	1.693	1.691	2.144	2.233	2.319	2.391	2.446	
58	0.330	1.495	0.660	0.826	0.985	1.138	1.283	1.420	1.559	1.698	1.823	1.938	2.053	2.154	2.301	2.366	2.445	2.517	2.643	
60	0.353	1.529	0.709	0.882	1.056	1.219	1.374	1.521	1.660	1.822	1.995	2.081	2.230	2.353	2.493	2.596	2.691	2.749	2.833	
62	0.377	1.565	0.754	0.942	1.126	1.301	1.457	1.625	1.774	1.948	2.091	2.236	2.364	2.487	2.635	2.749	2.848	2.884	3.031	
64	0.402	1.602	0.803	1.004	1.200	1.367	1.564	1.733	1.902	2.077	2.230	2.375	2.512	2.641	1.817	2.937	3.048	3.151	3.245	
66	0.427	1.641	0.854	1.066	1.276	1.476	1.644	1.844	2.014	2.210	2.379	2.528	2.673	2.813	3.008	3.134	3.254	3.355	3.466	
68	0.453	1.680	0.907	1.133	1.355	1.556	1.747	1.956	2.142	2.350	2.525	2.680	2.844	3.014	3.311	3.459	3.679	3.696	3.866	
70	0.480	1.721	0.961	1.201	1.436	1.658	1.873	2.070	2.289	2.485	2.690	2.866	3.023	3.180	3.387	3.533	3.676	3.767	3.915	
72	0.508	1.762	1.019	1.271	1.516	1.764	1.982	2.198	2.402	2.642	2.839	3.056	3.203	3.379	3.589	3.742	3.887	4.022	4.146	
74	0.537	1.806	1.074	1.342	1.605	1.885	2.095	2.325	2.536	2.782	3.000	3.166	3.384	3.544	3.781	3.866	4.110	4.264	4.387	
76	0.566	1.849	1.133	1.416	1.703	1.997	2.213	2.451	2.680	2.945	3.195	3.376	3.575	3.783	4.022	4.176	4.330	4.461	4.633	
78	0.595	1.896	1.191	1.491	1.803	2.092	2.358	2.583	2.825	3.117	3.341	3.563	3.773	3.973	4.228	4.413	4.367	4.751	4.901	
80	0.627	1.941	1.255	1.569	1.910	2.216	2.480	2.710	2.973	3.273	3.520	3.765	3.978	4.160	4.481	4.639	4.844	5.017	5.176	
82	0.659	1.986	1.319	1.649	1.971	2.276	2.575	2.857	3.125	3.441	3.702	3.950	4.166	4.413	4.637	4.907	5.104	5.268	5.400	
84	0.692	2.038	1.384	1.729	2.066	2.362	2.712	2.999	3.261	3.612	3.860	4.146	4.367	4.613	4.835	5.190	5.394	5.559	5.740	
86	0.725	2.088	1.450	1.813	2.160	2.508	2.833	3.164	3.461	3.767	4.075	4.350	4.612	4.862	5.178	5.411	5.631	5.836	6.027	
88	0.758	2.138	1.518	1.899	2.270	2.626	2.968	3.295	3.607	3.903	4.273	4.562	4.838	5.141	5.431	5.677	5.928	6.125	6.327	
90	0.794	2.191	1.588	1.985	2.374	2.748	3.149	3.449	3.777	4.167	4.473	4.779	5.069	5.346	5.681	5.950	6.194	6.422	6.636	
92	0.830	2.245	1.660	2.074	2.481	2.872	3.247	3.609	3.950	4.348	4.682	5.002	5.267	5.568	5.868	6.229	6.465	6.736	6.951	
94	0.869	2.298	1.733	2.160	2.590	2.998	3.395	3.789	4.126	4.544	4.894	5.230	5.591	5.967	6.223	6.509	6.770	7.033	7.271	
96	0.904	2.355	1.807	2.250	2.702	3.128	3.536	3.923	4.304	4.744	5.111	5.463	5.866	6.122	6.466	6.787	7.080	7.347	7.598	

Form Volume(cubic metres) = Sawlog Volume (cubic metres) X .8



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