

Cruise Details

Tract Name:	Camp Mahonegon
Client Name:	Boy Scouts of America
Inventory Type:	Point Sample
Cruise Acres:	374
Total Acres:	374
Number of Plots:	149
BAF:	10
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	8/2018
Date of Report:	8/30/2018



Cruise Summary | Sawtimber

Boy Scouts of America | Camp Mahonegon | 8/30/2018 | W1004 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
AB	51	5,042	99	13	0.2	17.3	1.3	0.2
BB	547	50,639	93	135	2.3	16.3	1.4	2
BC	273	56,063	205	150	2.5	20.1	2.1	1.4
BO	154	24,729	161	66	1.1	18.2	2.2	0.7
BSW	143	23,120	162	62	1	18.2	2.2	0.6
CO	3,123	355,963	114	952	16	16.9	1.8	11.7
CUC	219	17,981	82	48	0.8	14.6	1.9	0.7
HE	23	1,127	49	3	0.1	14	1	0.1
HI	783	108,437	138	290	4.9	17.5	2.1	3.2
HM	583	58,352	100	156	2.6	16.8	1.5	2.1
POP	1,780	394,052	221	1,054	17.7	19	3	8.4
RM	3,169	339,506	107	908	15.3	16.6	1.8	11.6
RO	756	188,833	250	505	8.5	20.8	2.4	4.2
SO	654	122,778	188	328	5.5	19.1	2.3	3.1
WO	3,140	470,390	150	1,258	21.2	18.2	2	13.5
YB	55	3,814	69	10	0.2	16	1	0.2
TOTAL	15,453	2,220,826	144	5,939	100	17.5	1.9	64

Stand Table | Sawtimber

Boy Scouts of America | Camp Mahonegon | 8/30/2018 | W1004 | Point Sample

Species	DBH Class (inches)										Total
	12	14	16	18	20	22	24	26	28	30	
AB	-	23	18	-	-	10	-	-	-	-	51
BB	96	69	234	112	36	-	-	-	-	-	547
BC	32	23	36	42	60	50	24	-	6	-	273
BO	32	-	36	42	36	-	8	-	-	-	154
BSW	32	23	18	14	48	-	8	-	-	-	143
CO	608	736	882	434	240	170	32	21	-	-	3,123
CUC	32	115	72	-	-	-	-	-	-	-	219
HE	-	23	-	-	-	-	-	-	-	-	23
HI	160	115	144	210	108	30	16	-	-	-	783
HM	160	115	108	98	72	30	-	-	-	-	583
POP	96	207	576	280	312	170	112	21	6	-	1,780
RM	704	575	1,008	490	300	70	16	-	6	-	3,169
RO	-	92	162	84	156	120	104	21	12	5	756
SO	64	69	180	98	132	40	64	7	-	-	654
WO	448	483	774	630	360	320	112	7	6	-	3,140
YB	-	23	18	14	-	-	-	-	-	-	55
TOTAL	2,464	2,691	4,266	2,548	1,860	1,010	496	77	36	5	15,453

Stock Table | Sawtimber

Boy Scouts of America | Camp Mahonegon | 8/30/2018 | W1004 | Point Sample

Species	DBH Class (inches)										Total
	12	14	16	18	20	22	24	26	28	30	
AB	-	1,127	1,690	-	-	2,225	-	-	-	-	-
BB	1,949	2,958	21,176	16,375	8,181	-	-	-	-	-	-
BC	927	704	2,984	7,357	15,015	15,413	9,260	-	4,403	-	-
BO	511	-	3,379	7,628	8,905	-	4,306	-	-	-	-
BSW	927	1,127	1,690	2,699	12,714	-	3,963	-	-	-	-
CO	11,373	36,651	91,604	74,996	58,402	58,304	13,223	11,410	-	-	-
CUC	927	7,256	9,798	-	-	-	-	-	-	-	-
HE	-	1,127	-	-	-	-	-	-	-	-	-
HI	2,971	5,541	14,004	41,761	25,289	10,602	8,269	-	-	-	-
HM	2,971	5,118	10,533	14,871	17,604	7,255	-	-	-	-	-
POP	2,781	17,116	80,327	62,496	91,194	63,610	60,314	11,811	4,403	-	-
RM	13,322	30,924	103,903	84,825	75,049	21,251	6,416	-	3,816	-	-
RO	-	4,508	16,592	17,614	40,097	40,610	47,332	11,811	5,677	4,592	-
SO	1,438	3,616	21,411	16,874	31,997	15,241	29,076	3,125	-	-	-
WO	8,818	24,795	82,259	115,617	83,440	104,182	44,920	3,125	3,234	-	-
YB	-	704	1,690	1,420	-	-	-	-	-	-	-
TOTAL	48,915	143,272	463,040	464,533	467,887	338,693	227,079	41,282	21,533	4,592	2,220,826

Cruise Summary | Pulpwood

Boy Scouts of America | Camp Mahonegon | 8/30/2018 | W1004 | Point Sample

Species	Trees	Total Tons	Avg. Tons/Tree	Tons/Acre	% of Tons	Avg. DBH	Avg. PHT	BA/Acre
AB	654	111.1	0.17	0.3	2.3	10	2.4	0.7
BB	1,574	321	0.2	0.9	6.6	8.9	3	1.6
BC	394	69.2	0.18	0.2	1.4	8.4	3.2	0.3
BG	631	131	0.21	0.3	2.7	10.8	3.1	0.7
BSW	164	57.5	0.35	0.2	1.2	9.3	4.7	0.2
CO	2,285	529	0.23	1.4	10.9	9.4	3	2.6
CUC	426	105.8	0.25	0.3	2.2	8.9	3.4	0.5
HE	72	9.9	0.14	0	0.2	8	2	0.1
HI	708	240.6	0.34	0.6	5	9.7	4.1	0.9
HM	1,482	253.7	0.17	0.7	5.2	8.3	2.8	1.3
MXH	1,550	328.5	0.21	0.9	6.8	9.9	2.6	1.8
POP	830	235.8	0.28	0.6	4.9	9.1	4	0.9
RM	8,727	1581.2	0.18	4.2	32.7	8.7	2.8	8.4
RO	262	94.6	0.36	0.3	2	10.3	3.7	0.4
SO	124	44.8	0.36	0.1	0.9	10.7	3.3	0.2
VP	118	33.6	0.28	0.1	0.7	9	4	0.1
WO	2,042	610.5	0.3	1.6	12.5	9.6	3.6	2.6
YB	666	79.7	0.12	0.2	1.6	8	2	0.5
TOTAL	22,709	4,838	0.2	12.9	100	9.3	3.2	24

Cruise Summary | Additional Pulpwood (Topwood/In-Bole)

Boy Scouts of America | Camp Mahonegon | 8/30/2018 | W1004 | Point Sample

Species	Trees	Total Tons	Avg. Tons/Tree	Tons/Acre	% of Tons
---------	-------	------------	----------------	-----------	-----------

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BB	sweet birch	Betula lenta	78
BC	black cherry	Prunus serotina	78
BG	blackgum	Nyssa sylvatica	78
BO	black oak	Quercus velutina	78
BSW	American basswood	Tilia americana	78
CO	chestnut oak	Quercus prinus	78
CUC	cucumbertree	Magnolia acuminata	78
HE	eastern hemlock	Tsuga canadensis	78
HI	hickory	Carya spp.	78
HM	sugar maple	Acer saccharum	78
MXH	hardwoods		78
POP	yellow-poplar	Liriodendron tulipifera	78
RM	red maple	Acer rubrum	78
RO	northern red oak	Quercus rubra	78
SO	scarlet oak	Quercus coccinea	78
VP	Virginia pine	Pinus virginiana	78
WO	white oak	Quercus alba	78
YB	yellow birch	Betula alleghaniensis	78

Value Summary

Boy Scouts of America | Camp Mahonegon | 8/30/2018 | W1004 | Point Sample

Species	Total \$	Total BFV	\$/MBF	ST Value	Total Tons	\$/Ton	Pulp Value
AB	\$1,593	5,042	250	\$1,260	111.1	3	\$333
BB	\$16,155	50,639	300	\$15,192	321	3	\$963
BC	\$42,255	56,063	750	\$42,047	69.2	3	\$208
BG	\$393	-	250	-	131	3	\$393
BO	\$8,037	24,729	325	\$8,037	0	3	-
BSW	\$5,374	23,120	225	\$5,202	57.5	3	\$172
CO	\$108,376	355,963	300	\$106,789	529	3	\$1,587
CUC	\$4,093	17,981	210	\$3,776	105.8	3	\$317
HE	\$424	1,127	350	\$394	9.9	3	\$30
HI	\$8,855	108,437	75	\$8,133	240.6	3	\$722
HM	\$24,102	58,352	400	\$23,341	253.7	3	\$761
MXH	\$985	-	50	-	328.5	3	\$985
POP	\$91,339	394,052	230	\$90,632	235.8	3	\$707
RM	\$109,991	339,506	310	\$105,247	1581.2	3	\$4,744
RO	\$66,376	188,833	350	\$66,092	94.6	3	\$284
SO	\$33,898	122,778	275	\$33,764	44.8	3	\$134
VP	\$101	-	300	-	33.6	3	\$101
WO	\$189,987	470,390	400	\$188,156	610.5	3	\$1,831
YB	\$1,383	3,814	300	\$1,144	79.7	3	\$239
TOTAL	\$713,717	2,220,826	315	\$699,206	4837.5	3	\$14,511

Cruise Statistics

Boy Scouts of America | Camp Mahonegon | 8/30/2018 | W1004 | Point Sample

Sawtimber Statistics (based on 149 sample points)

Coefficient of Variation (CV)%: 57

Confidence Level	% of Mean	(BFV/Acre)				(Total BFV)			
		+/-	Lower CL	Mean	Upper CL	+/-	Lower CL	Total	Upper CL
99%	12	710	5,228	5,939	6,649	265,540	2,051,030	2,220,826	2,486,366
95%	9.1	541	5,398	5,939	6,479	202,334	2,018,492	2,220,826	2,423,160
90%	7.6	454	5,485	5,939	6,393	169,796	2,051,030	2,220,826	2,390,622
80%	6	354	5,585	5,939	6,292	132,396	2,088,430	2,220,826	2,353,222
70%	4.8	286	5,653	5,939	6,225	106,964	2,113,862	2,220,826	2,327,790
68%	4.6	276	5,663	5,939	6,215	103,224	2,117,602	2,220,826	2,324,050

Pulpwood Statistics (based on 149 sample points)

Coefficient of Variation (CV)%: 75

Confidence Level	% of Mean	(Tons/Acre)				(Total Tons)			
		+/-	Lower CL	Mean	Upper CL	+/-	Lower CL	Total	Upper CL
99%	15.8	2	11	13	15	748	4,090	4,838	5,586
95%	12	2	11	13	14	598	4,239	4,838	5,436
90%	10.1	1	12	13	14	486	4,351	4,838	5,324
80%	7.9	1	12	13	14	374	4,464	4,838	5,212
70%	6.4	1	12	13	14	299	4,538	4,838	5,137
68%	6.1	1	12	13	14	299	4,538	4,838	5,137