

Steves Outdoor Investments
 Union County, Arkansas
 7/26/2004

Marking Prospectus
Huckleberry 80
 80 Total Acres
 57 Marked Acres

RFC
 P. O. Box 1129
 Magnolia, AR 71754
 (870) 234-0200

Pine Sawtimber

Diameter at 4.5'	Form Class	Merchantable Heights in 16 Foot Logs							
		1	1.5	2	2.5	3	3.5	4	4.5
10	83	43	79	54	58	8	2	0	
12	83	4	11	19	39	13	7	0	0
14	83	12	1	20	0	21	3	0	0
16	83	1	1	0	5	20	1	0	0
18	83	0	0	2	2	0	6	2	0
20	83	0	3	2	2	3	5	5	0
22	83	0	15	0	0	1	13	5	0
24	83	0	0	0	1	2	16	2	2
26	83	0	0	1	0	0	3	1	2
28	83	0	0	0	0	0	3	1	1
30	83	0	0	0	0	0	2	2	2
32	83	0	0	0	0	0	0	1	0
34	81	0	0	0	0	0	1	0	0
Total		60	110	98	107	68	62	19	7

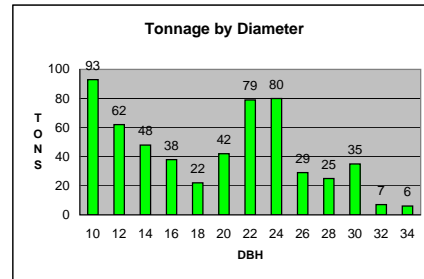
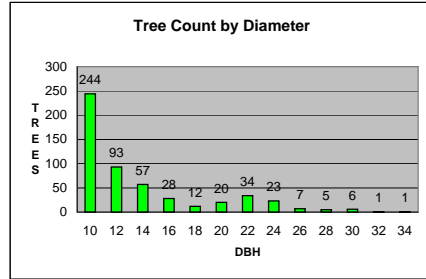
Trees			
Total Trees	Per Acre	Total 16 ft. Logs	Average Logs/Tree
244	4.3	446	1.8
93	1.6	220	2.4
57	1.0	127	2.2
28	0.5	79	2.8
12	0.2	38	3.2
20	0.4	60	3.0
34	0.6	91	2.7
23	0.4	82	3.5
7	0.1	26	3.6
5	0.1	19	3.8
6	0.1	24	4.0
1	0.0	4	4.0
1	0.0	4	3.5
531	9	1,217	2.3

Doyle Log Rule (derived from CF)			
Total BF	Per Acre	Per Tree	Average BF/Log
6,459	113	26	14
5,526	97	59	25
5,302	93	93	42
4,675	82	167	60
3,060	54	255	81
6,518	114	326	109
13,211	232	389	145
14,237	250	619	175
5,443	95	778	213
4,998	88	1,000	263
7,483	131	1,247	312
1,508	26	1,508	377
1,446	25	1,446	413
79,866	1,401	150	66

Tons		
Tons Total	Tons Per Tree	Loads (28 Tons)
93	0.4	3.3
62	0.7	2.2
48	0.8	1.7
38	1.3	1.3
22	1.8	0.8
42	2.2	1.5
79	2.4	2.8
80	3.5	2.8
29	4.2	1.0
25	5.0	0.9
35	5.9	1.2
7	6.8	0.2
6	6.2	0.2
566	1.1	20

Cubic Feet		
CF Total	CF Per Acre	CF Per Tree
2,772	49	11
1,842	32	20
1,433	25	25
1,113	20	40
651	11	54
1,278	22	64
2,402	42	71
2,413	42	105
864	15	123
746	13	149
1,054	18	176
201	4	201
183	3	183
16,952	297	32

Pine Sawtimber Summary	
Average DBH (inches)	13.7
Average Height (16 Ft Logs)	2.3
Average Tons/Acre	10



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Pine Pulpwood

Diameter at 4.5'	Form Class	Merchantable Heights in 16 Foot Logs						Trees		Cords		Tons		
		1	1.5	2	2.5	3	3.5	Total Trees	Per Acre	Total Cords	Per Acre	Tons Total	Tons Per Acre	Loads (28 Tons)
6	83	52	28	30	10	6	0	126	2.2	5.6	0.1	15	0.3	0.5
8	83	58	19	14	21	20	7	139	2.4	11.9	0.2	31	0.5	1.1
10	80	0	0	6	0	0	0	6	0.1	0.9	0.0	2	0.0	0.1
12	80	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0
14	80	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0
16	80	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0
18	80	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0.0
20	80	0	0	1	0	0	0	1	0.0	0.6	0.0	2	0.0	0.1
Total		110	47	51	31	26	7	272	4.8	19.0	0.3	50	0.9	1.8

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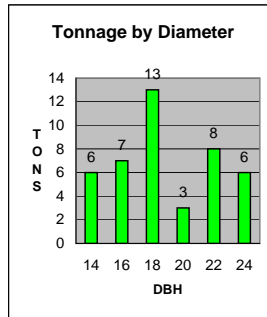
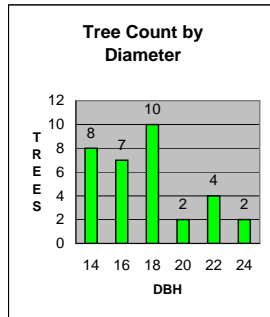
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Red Oak Sawtimber

Diameter at 4.5'	Merchantable Heights in 16 Foot Logs						Trees				Doyle Log Rule (derived from CF)				Tons			Cubic Feet		
	Form Class	1	1.5	2	2.5	3	Total Trees	Per Acre	Total 16 ft. Logs	Average Logs/Tree	Total BF	Per Acre	Per Tree	Average BF/Log	Tons Total	Tons Per Tree	Loads (28 Tons)	CF Total	CF Per Acre	CF Per Tree
14	78	3	2	2	0	1	8	0.1	13	1.6	562	10	70	43	6	0.8	0.2	152	3	19
16	78	1	2	2	2	0	7	0.1	13	1.9	819	14	117	63	7	1.0	0.3	195	3	28
18	78	2	2	3	3	0	10	0.2	19	1.9	1,650	29	165	89	13	1.3	0.5	351	6	35
20	78	0	2	0	0	0	2	0.0	3	1.5	388	7	194	129	3	1.5	0.1	76	1	38
22	78	1	0	2	1	0	4	0.1	8	1.9	1,177	21	294	157	8	2.0	0.3	214	4	54
24	78	0	0	0	1	1	2	0.0	6	2.8	974	17	487	177	6	3.0	0.2	165	3	83
Total		7	8	9	7	2	33	0.6	60.5	1.8	5,570	98	169	92	43	1.3	1.5	1,153	20	35

Red Oak	
Sawtimber Summary	
Average DBH (inches)	17.6
Average Height (16 Ft Logs)	1.8
Average Tons/Acre	0.8



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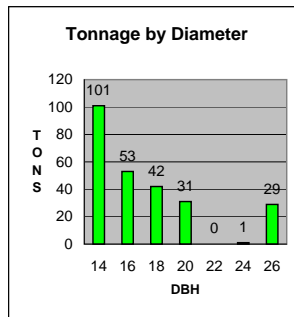
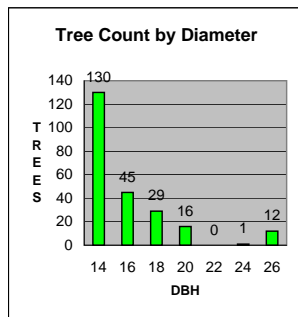
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Red Oak Sawtimber (grade 3)

Diameter at 4.5'	Merchantable Heights in 16 Foot Logs						Trees				Doyle Log Rule (derived from CF)				Tons			Cubic Feet		
	Form Class	1	1.5	2	2.5	3	Total Trees	Per Acre	Total 16 ft. Logs	Average Logs/Tree	Total BF	Per Acre	Per Tree	Average BF/Log	Tons Total	Tons Per Tree	Loads (28 Tons)	CF Total	CF Per Acre	CF Per Tree
14	78	19	36	37	38	0	130	2.3	242	1.9	10,253	180	79	42	101	0.8	3.6	2771	49	21
16	78	2	1	16	26	0	45	0.8	101	2.2	6,065	106	135	60	53	1.2	1.9	1444	25	32
18	78	3	1	14	0	11	29	0.5	66	2.3	5,461	96	188	83	42	1.4	1.5	1162	20	40
20	78	2	1	2	0	11	16	0.3	41	2.5	4,315	76	270	107	31	1.9	1.1	846	15	53
22	78	0	0	0	0	0	0	0.0	0	0.0	0	0	0	0	0.0	0.0	0	0	0	
24	79	1	0	0	0	0	1	0.0	1	1.0	242	4	242	242	1	1.0	0.1	41	1	41
26	79	0	12	0	0	0	12	0.2	18	1.5	4,920	86	410	273	29	2.4	1.0	781	14	65
Total		27	51	69	64	22	233	4.1	468	2.0	31,256	548	134	67	257	1.1	9.2	7,045	124	30

All Oak	
Sawtimber Summary	
Average DBH (inches)	16.0
Average Height (16 Ft Logs)	2.0
Average Tons/Acre	4.5



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Miscellaneous Hardwood Sawtimber

Diameter at 4.5'	Form Class	Merchantable Heights in 16 Foot Logs						
		1	1.5	2	2.5	3	3.5	4
14	78	37	53	50	26	44	33	11
16	78	31	29	49	38	35	22	55
18	78	5	4	4	26	0	11	11
20	78	13	3	2	13	22	44	33
22	78	0	0	3	11	11	22	22
24	80	0	1	0	11	0	22	0
26	80	1	0	0	0	0	0	1
28	80	0	0	0	1	0	0	0
Total		87	90	108	126	112	154	133

Trees			
Total Trees	Per Acre	Total 16 ft. Logs	Average Logs/Tree
254	4.5	573	2.3
259	4.5	670	2.6
61	1.1	167	2.7
130	2.3	406	3.1
69	1.2	232	3.4
34	0.6	106	3.1
2	0.0	5	2.5
1	0.0	3	2.5
810	14.2	2160	2.7

Doyle Log Rule (derived from CF)			
Total BF	Per Acre	Per Tree	Average BF/Log
23,528	413	93	41
38,892	682	150	58
13,574	238	223	82
42,605	747	328	105
31,042	545	450	134
18,320	321	539	173
1,071	19	536	214
724	13	724	290
169,756	2978	210	79

Tons		
Tons Total	Tons Per Tree	Loads (28 Tons)
216	0.9	7.7
315	1.2	11.2
98	1.6	3.5
284	2.2	10.1
192	2.8	6.9
106	3.1	3.8
6	3.0	0.2
4	4.0	0.1
1,221	1.5	43.6

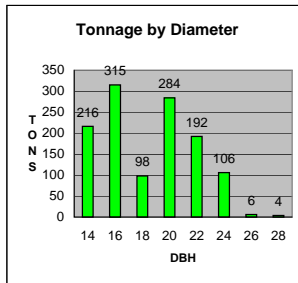
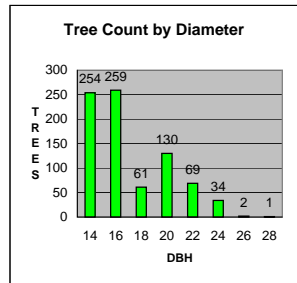
Cubic Feet		
CF Total	CF Per Acre	CF Per Tree
6,359	112	25
9,260	162	36
2,888	51	47
8,354	147	64
5,644	99	82
3,105	54	91
170	3	85
108	2	108
35,888	630	44

Miscellaneous Hardwood Sawtimber Summary

Average DBH (inches)

Average Height (16 Ft Logs)

Average Tons/Acre



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Hardwood Pulpwood

Diameter at 4.5'	Form Class	Merchantable Heights in 16 Foot Logs							Trees		Cords		Tons		
		1	1.5	2	2.5	3	3.5	4	Total Trees	Per Acre	Total Cords	Per Acre	Tons Total	Tons Per Acre	Loads (28 Tons)
8	78	410	449	1073	821	226	22	11	3,012	52.8	281	4.9	707	12.4	25.2
10	78	45	70	233	308	288	79	0	1,023	17.9	166	2.9	417	7.3	14.9
12	78	12	30	183	243	247	183	0	898	15.8	221	3.9	556	9.8	19.9
14	79	0	0	59	0	0	0	0	59	1.0	17	0.3	44	0.8	1.6
16	79	0	0	72	0	0	0	0	72	1.3	28	0.5	71	1.2	2.5
18	79	0	0	19	0	0	0	0	19	0.3	9	0.2	24	0.4	0.9
20	79	0	0	13	0	0	0	0	13	0.2	8	0.1	20	0.4	0.7
22	79	0	0	1	0	0	0	0	1	0.0	1	0.0	2	0.0	0.1
24	79	0	0	2	0	0	0	0	2	0.0	2	0.0	4	0.1	0.2
26	79	0	0	11	0	0	0	0	11	0.2	11	0.2	29	0.5	1.0
28	79	0	0	1	0	0	0	0	1	0.0	1	0.0	3	0.1	0.1
Total		467	549	1,667	1,372	761	284	11	5,111	89.7	746	13.1	1,877	32.9	67.0

Inventory Utilizations

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- * Trees were inventoried by diameter at breast height (dbh; two inch classes at 4.5 feet).
- * Pine Sawtimber dbh reported as ≥ 10 inches in two inch classes as follows: 10" = 9.1" - 11.0" dbh; 12" = 11.1" - 13.0" dbh, etc.
- * Hardwood Sawtimber dbh reported as ≥ 14 inches in two inch classes as follows: 14" = 13.1" - 15.0" dbh; 16" = 15.1" - 17.0" dbh, etc.
- * Tree heights were called in 16 feet logs to 7" top diameters outside bark (dob) for pine sawtimber, 9" top dob for hardwood sawtimber, 4" top dob for all pulpwood, or to merchantability (whichever occurred first).
- * Saw-log merchantable heights are defined as: 1) to the heights specified above, or 2) the height where a whorl of 3 or more branches (whose diameters are equal to or greater than the diameter of the supporting stem) occurs within a 1-foot stem section if there is not a minimum of 8 feet of clear stem above the whorl. If a one foot section has three or more 3 inch diameter branches, regardless of the diameter, the height is called just below the one foot section.
- * Cubic Feet were derived from USFS's "Stem Profile Equations for Southern Tree Species" by Clark, Souter and Schlaegel.
- * Board Feet in Doyle was derived from the cubic feet using conversion tables in the Forest Service's "Service Forester's Handbook".
- * Pine Sawtimber tons were derived from Cubic feet using 3.37 tons per Cunit (10" - 18" dbh) and 3.30 tons per Cunit (20" - 30" dbh).
- * Hardwood Sawtimber tons were derived from Cubic feet using 3.65 tons per Cunit for Oak and 3.40 tons per Cunit for Misc. Hardwood.
- * Pulpwood volumes were derived from cubic feet. Cords were derived using 78 cubic feet per cord for pine and 74 cubic feet per cord for hardwood. Cubic feet were converted to tons using 3.37 tons per cunit for pine and 3.4 tons per cunit for hardwood.
- * Expected tonnage fluctuations occur between winter and summer logging due to sap flow and moisture composition.