

HSC Habitat Inventory Data – compiled 4/9/08
Grossman Forestry Co.

HSC FOREST TYPES 2007-updated through 3/08

Aspen - White Birch	8,593	25%	excludes poorly stocked
N. Hardwoods	2,862	8%	includes oak, R, H
Jack Pine	3,810	11%	
Red & White Pine	4,135	12%	
Spruce-Fir & Swamp Con.	5,722	17%	includes cedar
Grass & Upland Brush	6,078	18%	includes ROW, A1, A2, A4, beach
Marsh & Bog	2,131	6%	includes T
Lowland Hardwoods	43	0%	
Plat	10	0%	
Water	666	2%	
Total	34,049	100%	

Note: Since 1993 429 acres of aspen harvest re-classified as A2 (upland brush) due to excess deer browse.

HSC FOREST TYPES by year.

	1978	1994	1996	1998	2000	2002	2004	2006	2007
Aspen - White Birch	7,964	7,782	7,695	7,608	7,908	7,832	7,850	8,472	8,593
N. Hardwoods	3,131	2,799	3,075	2,855	3,006	3,034	3,116	2,941	2,862
Jack Pine	2,701	3,651	3,654	3,740	3,961	4,051	4,036	3,814	3,810
Red & White Pine	2,355	2,529	2,721	2,751	2,773	2,875	3,609	4,023	4,135
Spruce-Fir & Swamp Con.	5,396	5,189	5,098	5,083	5,225	5,227	5,546	5,733	5,722
Grass & Upland Brush	9,109	8,728	8,643	8,779	7,973	7,759	6,650	6,212	6,078
Marsh & Bog	2,448	2,071	2,051	2,012	2,131	2,167	2,137	2,125	2,131
Lowland Hardwoods	215	199	73	73	58	75	76	43	43
Plat		10	10	10	10	10	10	10	10
Water		659	661	661	669	663	650	673	666
Total	33,319	33,617	33,681	33,572	33,714	33,693	33,680	34,047	34,049

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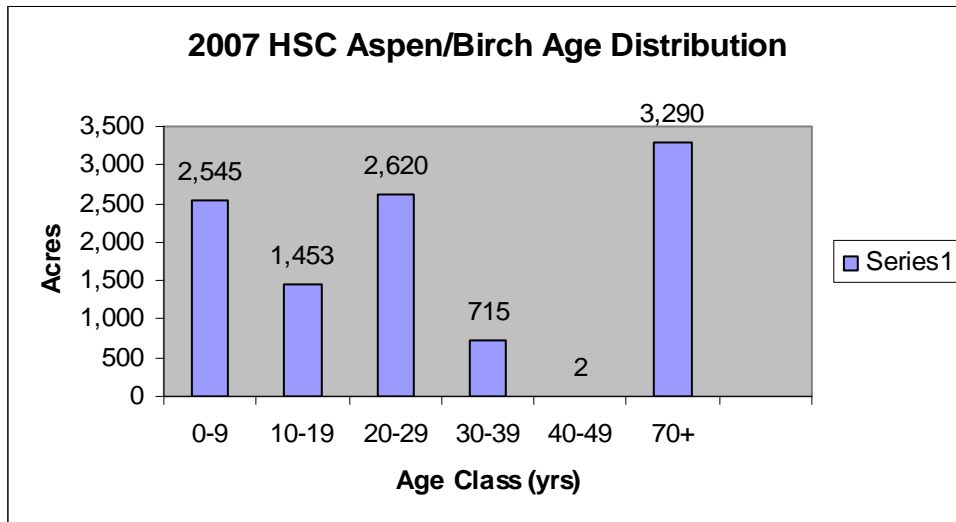
2007 Density distribution of pole size aspen/birch			
A6/B6	A5/B5	A4/B4	Total
1,172	1,190	1,101	3,463
34%	34%	32%	100%
2007 Density distribution of pole size jack pine			
J6	J5	J4	Total
180	760	304	1,244
14%	61%	24%	100%

2007 Size distribution of aspen/birch		
Aspen/birch		
Saplings	7,162	67%
Poles	3,475	33%
	10,625	100%
2007 Size distribution of jack pine		
Jack Pine		
Saplings	2,566	67%
Poles	1,244	33%
	3,810	100%

2007 Forest stocking by age for aspen/birch forest type.

Age Class	Nonstock	poor	medium	good	Total	%
0-9		10	526	2,009	2,545	24%
10-19		0	178	1,275	1,453	14%
20-29		0	342	2,278	2,620	25%
30-39		0	97	619	715	7%
40-49		0	0	2	2	0%
70+		1,101	1,093	1,096	3,290	31%
	0	1,111	2,237	7,278	10,625	100%
	0%	10%	21%	68%	100%	

No age information is available for 10 acres saplings.
Poles without age information are assumed to exceed 70 years old).



Note: Farm purchase in 2005.

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Period	Avg. Yearly Acres harvested	Avg. Yearly # Cords
1978 - 1982	430	5,000
1983 - 1987	150	2,000
1988 - 1992	352	5,580
1993 - 1997	233	3,855
1998 - 2002	442	8,652
2003 - 2007	699	13,066
1978 - 2007	384	6,359

HSC 16 year Summary and 16 Year Averages 1992-2007							
	Total	MCC	Select	Total	MGT	Gross	Gross
Year	Cords	Acres	Acres	Acres	Exp.	Rev.	Rev./acre
1992	4,913	196	65	261	\$6,331.04	\$33,042.46	\$126.60
1993	3,508	215	62	277	\$4,933.83	\$29,953.67	\$108.14
1994	3,056	109	37	146	\$4,954.08	\$24,899.49	\$170.54
1995	4,714	199	58	257	\$6,876.82	\$68,360.82	\$266.00
1996	3,705	108	95	203	\$6,198.90	\$75,704.00	\$372.93
1997	4,292	197	87	284	\$5,729.85	\$92,414.66	\$325.40
1998	5,181	212	103	315	\$11,174.50	\$136,143.43	\$432.20
1999	9,954	455	44	499	\$12,769.00	\$303,411.45	\$608.04
2000	9,532	419	24	443	\$10,427.45	\$214,643.43	\$484.52
2001	10,541	492	79	571	\$14,978.25	\$212,285.94	\$371.78
2002	8,051	349	33	382	\$11,053.00	\$150,884.81	\$394.99
2003	12,959	814	190	1,004	\$18,000.50	\$353,811.73	\$352.40
2004	12,953	530	76	606	\$19,780.90	\$421,234.60	\$695.11
2005	11,166	340	136	476	\$33,181.38	\$281,458.85	\$591.30
2006	16,979	265	601	866	\$21,899.93	\$484,429.20	\$559.39
2007	11,271	288	256	544	\$15,684.20	\$272,110.03	\$500.20
Avg.	8,298	324	122	446	\$12,748.35	\$197,174.29	