

Haugh Tract - Patton Twp														forest total	MU total	41.21	stds2+5
Stand analysis	6%	5%	4%	7%	18%	4%	15%	6%	8%	6%	9%	13%					
	MU A	MU B	MU C	MU D	MU E	MU F	MU G	MU H	MU I	MU J	MU K	MU L					
old stands	Std 16 harvested fenced	harvested 16- part 13 no fence	12- unharvested 13-14	11- unharvested 16-17-18	23-24	19	25-26-28	20-29-30	21-22 harvested	10 harvested	2-3-4	harvested 1-5					
overstory plots	6	4	7	13	28	6	19	9	10	9	10	8	129				
understory plots	6	4	7	13	28	6	19	9	10	9	10	8	129				
inventoried area	10.4	8.51	6.78	13.5	32.7	7.3	26.9	10.5	13.9	10.2	16.7	23.1	180.49				
selection adapt	no	yes	yes	yes	yes	yes	yes	yes	yes	no	yes	no	yes				
ysr to maturity	0	0	0	0	17	16	13	0	0	0	0	0	2				
off age	117	136	113	121	87	83	100	108	117	162.7	122	121	108				
Med dbh	14.5	21.2	16.2	19.1	13.6	14.3	14.8	16.9	16.0	23.5	17.5	20.3	18.2				
stem size	med saw	large saw	med saw	large saw	med saw	med saw	med saw	large saw	med saw	large saw	large saw	large saw	medium saw				
stand type	mixed oak	mixed oak	mixed oak	mixed oak	mixed hwd	alleg hwd	mixed oak	mixed oak	mesic hwd	mixed oak	mixed oak	mesic hwd	mixed oak				
net bd f/acre	3017	4949	9518	8979	3779	1649	5753	8307	3192	5682	9914	431	5477.8				
pulpwood cds/ac	4.5	4.5	19.8	20.8	17.9	14.1	18.5	20.8	6.5	5.9	24.2	3.5	15.3				
trees/ac	503	22	689	245	442	281	443	403	593	341	550	18	402				
basal area	47	45	163	139	115	83	123.2	147.8	56	58.9	168	16.3	106.3				
ags basal area	38.3	42.5	134.3	104.6	70	31.7	96.8	86.7	49	53.3	131	6.3					
species % of BA (2% or more)													2% or more				
aspen				2	10		27		4								
black cherry				6	13	36	2	2	14	6		31					
black gum	4			2	4	2	2	11									
Black locust	predom																
Black oak	0%	11%	11%	13%	15%	2%	4	7	2	6	9						
black walnut						2%						15					
catalpa						6%											
chestnut	18%	28%								6							
chestnut oak	25%			14%													
dogwood								2									
Hemlock									2								
hickory							3		2								
norway maple				8%													
norway spruce			4%														
Other non comm						4%											
pin cherry										8							
pin oak										6							
pitch pine	4%		2%	3%													
red maple	4%		25%	12%	39%	30%	24	20	46	6	11	31					
red oak	14%	17%	13%	13%	3%	2%	3	8	7	26	6						
red pine						2%											
scarlet oak	14%	22%	13%	4%	5%	2%	6	2	4	6	11						
sugar maple			3%			2%											
White oak	11%		14%	20%	2%	2%	21	22	13	28	33	8					
white pine	7%	22%	11%	8%	2%			8	7	2	28	15					
rel density	25%	22%	114%	89%	70%	38%	82%	100%	49%	44%	122%	9%					
ags rel den	19%	21%	91%	68%	44%	18%	63%	56%	43%	36%	94%	4%					
Q-factor	1.20	1.20	1.33	1.35	1.50	1.35	1.47	1.37	1.24	1.18	1.33	1.17					
interference tall	83%	50%	86%	92%	68%	100%	79%	56%	60%	67%	60%	13%	69%				
ba of undesirable saplings/poles	0	0	4	1	4	8	6	3	1	4	0	0	3				
interference low	83%	100%	71%	46%	82%	100%	53%	78%	60%	78%	10%	75%	67%				
ferns	17%	25%	0%	0%	0%	0%	32%	44%	0%	22%	0%	13%	12%				
grass	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%	0%	38%	3%				
Norway maple overstory					17%								1%				
invasive	0%	0%	14%	31%	64%	100%	74%	89%	80%	56%	0%	25%	51%				
grapevines	0%	0%	0%	8%	46%	67%	63%	33%	30%	56%	0%	25%	33%				
% plots w/regen	97%	50%	14%	8%	11%	0%	16%	11%	38%	11%	0%	0%	13%				
% plots w/interference	100%	100%	100%	92%	93%	100%	100%	89%	80%	100%	70%	100%	93%				
% rocky	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%				
% poor drainage	0%	0%	14%	15%	4%	50%	5%	11%	0%	0%	0%	13%	8%				
seed supply	very low	some	low	moderate	moderate	moderate	moderate	low	moderate	low	moderate	very low	moderate				
acorn supply	low	some	high	sufficient	sufficient	some	adequate	some	adequate	sufficient	high	adequate	sufficient				
Decr impact	low	high	high	high	high	high	high	high	high	high	high	high	high				
SILVAH recommends																	
create new stand				fence, herbicide,			fence, herbicide,				fence, herbicide,						
				monitor acorns,			monitor acorns,				monitor acorns,						
				reinventory in 3-5 yrs			reinventory in 3-5 yrs				reinventory in 3-5 yrs						
improve existing stand	defer - low density	defer - low density	TSI+ comm thinning 9cd/ac	comm thinning	defer - low density	defer - low density	defer - low volume	comm thinning - 12 cd/ac	defer - low density	defer - low density	comm thinning - 15 cd/ac	defer - low density					
			820 bf+7 cd/ac	1710 bf+9 cd/ac	46% grape	67% grape	63% grape	1461 bf+10 cd/ac		56% grape	1894 bf/ac+12cd/ac						
				consider create new std				33% grape consider create new std			consider create new std						
I recommend additionally																	
DCNR recomm																	
37.3 herbaceous brush	1.8	2.1	1.0	4.2	21.0	7.3	19.8	9.3	11.1	5.7	0.0	11.8	92.3				
62.3	8.6	8.5	4.8	6.2	26.8	7.3	19.8	9.3	11.1	8.0	1.7	17.3	120.9				
0.0 cp 647	0	0	0	0	0	0	0	0	0	0	0	0	0				
0.0 cp 666 all cp666 NWM						1.2											
								mu>2000BF/AI		150.1							
								mu NEW STD		40.7							



Volumes by species									
Haugh Tract - Patton T	MU G	MU H	MU I	MU J	MU K	MU L	property totals	analyze entire	
overstory plots	19	9	10	9	10	8	129	129	
inventoried area	26.9	10.5	13.9	10.2	16.7	23.1	180	180	
							SILVAH software		
<b>Bd ft per acre</b>	5753	8307	3192	5682	9914	431		0	
ash									
aspen	1496	59	0		24				
birch	0	20	0						
black cherry	50	1302	124	0		215			
black gum	51	0							
Black locust	6								
Black oak	377	714	120	355	758				
black walnut						133			
catalpa									
chestnut		0							
chestnut oak				299					
cucumber									
dogwood		0							
hawthorn									
hemlock		144		50					
hickory	123		48						
norway maple									
norway spruce									
Other non comm	0								
pin cherry				0					
pin oak	107			442					
pitch pine									
red maple	842	994	1338	251	536	0			
red oak	354	1533	228	1978	836				
red pine									
sassafras									
scarlet oak	556	409	273	432	1175				
sugar maple	91	70			112				



Haugh Tract - Patton Twp														
Carbon Estimate using gross factor of 1.35 times BA														
Unit	MU A	MU B	MU C	MU D	MU E	MU F	MU G	MU H	MU I	MU J	MU K	MU L	forest total	
BA/ac	47	45	163	139	115	83	123	148	56	59	168	16	106	
times 1.35 tonnes/ac	63	61	220	188	156	112	166	200	76	80	227	22	144	
acreage	10.4	8.51	6.78	13.5	32.7	7.3	26.9	10.5	13.9	10.2	16.7	23.1	180	
unit total tonnes	656	517	1491	2537	5094	821	4474	2095	1051	811	3788	508	25901	
													23843	
reduce BA to 60	60	60	60	60	60	60	60	60	60	60	60	60	60	
ba for sale	0	0	103	79	55	23	63	88	0	0	108	0	46	
times 1.35	0	0	139	107	75	31	85	119	0	0	146	0	63	
avail for sale MU	0	0	942	1443	2446	230	2295	1245	0	0	2435	0	11282	
													11035	