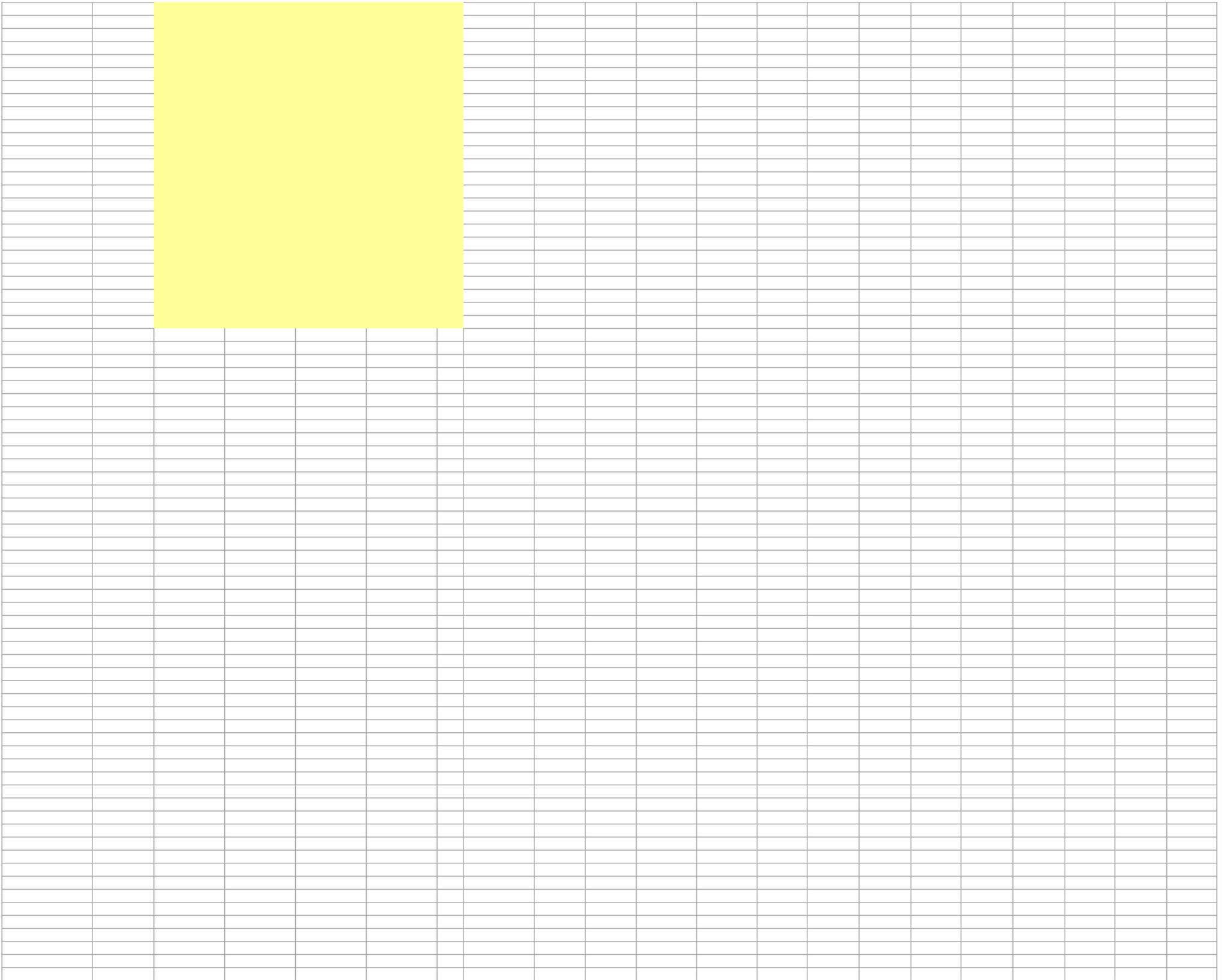


Patton Township										
Stand analysis		54%	6%	7%	33%					
Grays woods		MU 1	MU 2	MU 3	MU 4	forest total				
overstory plots		101	12	16	62	191	ideal	actual		
understory plots		101	12	16	62	191	10	0	regen	
forested area		103.0	12.3	14.0	62.9	192.2	10	0.0	sapling	
selection adapt		no	no	yes	yes		15	0.0	sm pole	
yrs to maturity		25	27	24	19	21	15	0.0	lrg pole	
eff age		85	79	94	90	89	20	67.3	%small saw	
Med dbh		10.9	12.0	13.0	13.8	12.4	15	32.7	%med saw	
stem size		small saw	small saw	small saw	med saw	small saw	15	0.0	large saw	
stand type		mixed oak	mixed oak	white pine	oak hdwd	mxd oak	100.0	100.0		
net bd fr/acre	silvah	2532	2447	5498	3929	3226				
pulpwood cds/ac	silvah	9.9	15.2	15.7	16.7	13				
trees/ac		806	448	572	394	657				
basal area	sq ft/ac	85	98	124	107	96				
ags basal area		57	65	99.4	69.8					
ba of undesirable saplings/poles		5	1	6	3	4				
species % of BA	(2% or more)									
red maple	rm domin	25%	41%	8%	28%	27%				
black cherry	ahw>40%	2%	6%		5%	4%				
black oak		10%	10%	10%	3%	8%				
red oak			2%		4%	2%				
hickory			6%							
chestnut oak		13%	2%	8%		8%				
birch		2%		6%	2%	2%				
sassafras		3%		2%		2%				
white pine		4%		51%	23%	16%				
aspen		6%	14%	2%	4%	6%				
Black locust	predom					2%				
black gum					6%	3%				
White oak		12%	7%		18%	14%				
scarlet oak		3%	9%		3%	3%				
pitch pine				13%		2%				
black walnut			3%							
rel density		74%	77%	89%	77%	76				
ags rel den		50%	51%	69%	52%	53				
Q-factor		1.20	1.58	1.56	1.58	1.19				
interference tall		52%	17%	88%	65%	57%				
interference low		35%	25%	69%	55%	43%				
ferns		24%	50%	13%	31%	27%				
grass		5%	33%	6%	24%	13%				
invasive		31%	33%	19%	56%	73%				
grapevines		32%	50%	6%	19%	27%				
% plots w/regen		7%	0%	6%	8%	7%				
% plots w/interference		77%	100%	94%	98%	87%				
% rocky		0%	0%	25%	0%	2%				
% poor drainage		0%	0%	0%	40%	13%				
slope %										
seed supply		low	low	very low	moderate	low				
acorn supply		some	inadequate	inadequate	some	some				
Deer impact		high	high	high	high	high				
SILVAH recommends										
	regen now	final removal and folow up	shelterwood seed cut	fence and art regen	shelterwood seed cut	shelterwood seed cut				
			herbicide and fence		herbicide and fence	herbicide and fence				
			50% grape							
	regen if mature	defer - low density	defer - low density	comm thin	defer - low density	defer - low density				
			rel density just below decision pt	8 cd/ac	rel density just below decision pt	rel density just below decision pt				
			thinning may be appropriate		thinning may be appropriate	thinning may be appropriate				
		32% grape	50% grape							
79.7	cp315	31.6	10.2	2.7	35.2	140.8				
85.0	cp 314	36.1	4.0	9.7	35.2	140.8				



Volumes by species								
Grays woods	MU 1	MU 2	MU 3	MU 4		property totals		analyze entire
overstory plots	101	12	16	62		191		191
forested area	103.0	12.3	14.0	62.9		192		192
						SILVAH software		
Bd ft per acre	2532	2446	5498	3929				3227
red maple	499	442	213	759		1913		557
black cherry	45	90		186		321		90
black oak	131	137	123	118		509		127
red oak	48	63	150	265		526		128
sugar maple	0					0		0
Other non comm				0		0		0
hickory	57	101		13		171		41
chestnut oak	571	81	482			1134		348
birch	5		45	0		50		7
honey locust				14		14		4
sassafras	1	0	0			1		1
white pine	140		3564	873		4577		656
aspen	216	492	65	133		906		196
Black locust	9			80		89		30
black gum	5		0	185		190		57
White oak	597	470		1093		2160		700
scarlet oak	107	405	47	171		730		141
pitch pine	76	97	809			982		114
ash				10		10		3
black walnut		68		29		97		14
pin oak	25			0		25		13
						totals per species	difference	
Bd ft per field	260796	29988	76972	247134		614890	2712	617602
red maple	51397	5419	2982	47741		107539	-506	107033

black cherry	4635	1103	0	11699	17438	-143	17294
black oak	13493	1680	1722	7422	24317	88	24404
red oak	4944	772	2100	16669	24485	112	24596
sugar maple	0	0	0	0	0	0	0
Other non comm	0	0	0	0	0	0	0
hickory	5871	1238	0	818	7927	-48	7879
chestnut oak	58813	993	6748	0	66554	318	66872
birch	515	0	630	0	1145	200	1345
honey locust	0	0	0	881	881	-112	769
sassafras	103	0	0	0	103	89	192
white pine	14420	0	49896	54912	119228	6829	126057
aspen	22248	6032	910	8366	37556	108	37663
Black locust	927	0	0	5032	5959	-194	5765
black gum	515	0	0	11637	12152	-1198	10953
White oak	61491	5762	0	68750	136003	-1491	134512
scarlet oak	11021	4965	658	10756	27400	-306	27095
pitch pine	7828	1189	11326	0	20343	1563	21906
ash	0	0	0	629	629	-53	576
black walnut	0	834	0	1824	2658	32	2690
pin oak	2575	0	0	0	2575	-77	2498