

Appendix A: Tabular results from Landscape Management Simulations

Table A.1: Average habitat attribute values by cover type from original HEP data												
Attribute	B	C1	C2	C4	C4T	H1	H2	H3	M1	M2	M3	M3T
CC	11.40	43.80	98.00	80.60	55.10	47.70	70.60	85.80	19.80	74.00	75.90	50.00
CCC	4.30	21.10	97.60	73.70	48.30	1.10	2.40	18.80	6.60	17.30	25.50	25.50
OSDBH	4.50	2.00	5.40	21.40	17.60	3.70	6.40	13.10	1.70	6.10	15.40	17.10
BT	0.00	0.00	0.00	54.40	28.60	0.60	0.80	9.20	0.00	2.30	17.50	17.50

Table A.2: Average habitat attribute values by cover type from 1998 forest inventory data												
Attribute	B	C1	C2	C4	C4T	H1	H2	H3	M1	M2	M3	M3T
CC	15.90	44.02	78.19	88.45	69.93	97.09	97.92	85.31	68.05	79.57	87.42	62.96
CCC	15.90	40.65	76.22	76.43	60.36	5.07	14.95	4.14	27.22	43.62	37.84	17.34
OSDBH	3.08	2.51	6.88	26.82	27.92	2.98	7.37	16.44	3.10	6.29	21.84	20.92
BT	0.00	0.00	0.00	59.42	42.42	0.00	0.00	5.96	0.00	0.00	19.08	7.86

Table A.3: Average HSI values for each species for all silvicultural pathways on 10-year-old stand with approximately 435 tpa.				
Pathway	Cooper's hawk	Southern red-backed vole	Pileated woodpecker	Spotted towhee
0_NA	0.200	0.966	0.642	0.012
Barbour15-150	0.680	0.448	0.284	0.012
Barbour15-75	0.590	0.897	0.604	0.012
Barbour30-150	0.512	0.951	0.551	0.012
Barbour30-150HL	0.614	0.580	0.267	0.012
Barbour30-250	0.291	0.968	0.648	0.012
Barbour30-75	0.614	0.580	0.267	0.012
BarbourNT	0.205	0.967	0.651	0.012
CareyBDPF	0.461	0.928	0.563	0.012
CareyBDPS	0.342	0.966	0.637	0.012
CC40_PCT	0.310	0.681	0.115	0.078
CC60_PCT_CT	0.437	0.820	0.274	0.051
CC80_PCT_2CT	0.444	0.831	0.440	0.039
Hansen0-120	0.200	0.967	0.651	0.012
Hansen0-40	0.347	0.682	0.112	0.078
Hansen0-80	0.241	0.832	0.488	0.040
McComb_CC	0.468	0.908	0.504	0.012
McComb_PR	0.299	0.966	0.636	0.012
Mit_SOP	0.200	0.966	0.642	0.012
YSTD-Heavy	0.486	0.946	0.535	0.012
YSTD-Light	0.223	0.967	0.651	0.012

Table A.4: Average HSI values for each species for all silvicultural pathways on 10 year old stand with approximately 1300 tpa.

Pathway	Cooper's hawk	Southern red-backed vole	Pileated woodpecker	Spotted towhee
0_NA	0.213	0.937	0.488	0.035
Barbour15-150	0.337	0.781	0.628	0.038
Barbour15-75	0.433	0.812	0.635	0.030
Barbour30-150	0.582	0.855	0.478	0.041
Barbour30-150HL	0.617	0.669	0.361	0.041
Barbour30-250	0.420	0.921	0.582	0.041
Barbour30-75	0.628	0.525	0.260	0.041
BarbourNT	0.233	0.919	0.597	0.041
CareyBDPF	0.603	0.867	0.407	0.035
CareyBDPS	0.506	0.929	0.492	0.035
CC40_PCT	0.328	0.692	0.061	0.090
CC60_PCT_CT	0.449	0.808	0.197	0.069
CC80_PCT_2CT	0.497	0.825	0.338	0.057
Hansen0-120	0.275	0.923	0.488	0.041
Hansen0-40	0.393	0.679	0.060	0.096
Hansen0-80	0.308	0.805	0.325	0.063
McComb_CC	0.501	0.850	0.463	0.041
McComb_PR	0.416	0.935	0.460	0.035
Mit_SOP	0.213	0.937	0.484	0.035
YSTD-Heavy	0.561	0.851	0.429	0.041
YSTD-Light	0.33	0.92	0.59	0.04

Table A.5: Average HSI values for each species for all silvicultural pathways on 90-year old single storied stand

Pathway	Cooper's hawk	Southern red-backed vole	Pileated woodpecker	Spotted towhee
0 NA	0.638	0.960	0.742	0.000
CC40_PCT	0.373	0.661	0.147	0.050
CC60_PCT_CT	0.527	0.690	0.226	0.050
CC80_PCT_2CT	0.546	0.778	0.389	0.022
DEMO20	0.521	0.086	0.000	0.105
DEMO40	0.723	0.453	0.287	0.000
Hansen10-120	0.294	0.851	0.501	0.033
Hansen10-40	0.414	0.657	0.082	0.073
Hansen10-80	0.304	0.797	0.447	0.033
Hansen15-120	0.313	0.842	0.515	0.028
Hansen15-40	0.463	0.649	0.171	0.057
Hansen15-80	0.328	0.789	0.461	0.028
Hansen150-120	0.576	0.967	0.792	0.000
Hansen150-40	0.581	0.967	0.788	0.000
Hansen150-80	0.579	0.967	0.790	0.000
Hansen20-120	0.332	0.840	0.524	0.029
Hansen20-40	0.507	0.657	0.229	0.041
Hansen20-80	0.351	0.788	0.470	0.029
Hansen30-120	0.359	0.859	0.584	0.000
Hansen30-40	0.577	0.680	0.306	0.000
Hansen30-80	0.384	0.813	0.530	0.000
Hansen5-120	0.282	0.845	0.466	0.036
Hansen5-40	0.374	0.661	0.000	0.072
Hansen5-80	0.287	0.791	0.412	0.036
Hansen50-120	0.424	0.875	0.652	0.000
Hansen50-40	0.708	0.711	0.446	0.000
Hansen50-80	0.458	0.849	0.618	0.000
McCombFS	0.369	0.758	0.507	0.039
McCombMS	0.699	0.523	0.268	0.012
McCombSS	0.257	0.606	0.290	0.079

Table A.6: Average HSI values for each species for all silvicultural pathways on 90-year old multiple storied stand

Pathway	Cooper's hawk	Southern red-backed vole	Pileated woodpecker	Spotted towhee
0_NA	0.513	0.976	0.914	0.000
CC40_PCT	0.368	0.659	0.133	0.062
CC60_PCT_CT	0.498	0.705	0.206	0.062
CC80_PCT_2CT	0.529	0.790	0.361	0.034
DEMO20	0.541	0.976	0.814	0.000
DEMO40	0.534	0.976	0.912	0.000
Hansen10-120	0.300	0.849	0.456	0.033
Hansen10-40	0.417	0.673	0.081	0.067
Hansen10-80	0.310	0.796	0.402	0.033
Hansen15-120	0.316	0.858	0.491	0.022
Hansen15-40	0.465	0.667	0.168	0.051
Hansen15-80	0.332	0.806	0.437	0.022
Hansen150-120	0.465	0.966	0.851	0.000
Hansen150-40	0.534	0.966	0.818	0.000
Hansen150-80	0.475	0.966	0.848	0.000
Hansen20-120	0.324	0.843	0.524	0.029
Hansen20-40	0.487	0.656	0.218	0.059
Hansen20-80	0.344	0.791	0.470	0.029
Hansen30-120	0.349	0.865	0.581	0.013
Hansen30-40	0.543	0.710	0.328	0.013
Hansen30-80	0.374	0.819	0.527	0.013
Hansen5-120	0.291	0.844	0.420	0.036
Hansen5-40	0.389	0.661	0.000	0.072
Hansen5-80	0.296	0.790	0.366	0.036
Hansen50-120	0.369	0.894	0.688	0.000
Hansen50-40	0.644	0.780	0.492	0.000
Hansen50-80	0.402	0.868	0.654	0.000
McCombFS	0.336	0.772	0.496	0.041
McCombMS	0.555	0.976	0.828	0.000
McCombSS	0.261	0.605	0.270	0.080

Table A.7: Total harvested volume (mbf/ac) by size class (LST: >24"dbh, ST: 12-24", Pole: <12") per silvicultural pathway from 80 year FVS projection of 10 year old stand with initial density of approx. 435 tpa

Pathway	LST	ST	Pole	Total
0_NA	0	0	0	0
Barbour15-150	0	11	15	26
Barbour15-75	0	7	15	22
Barbour30-150	0	36	10	46
Barbour30-150HL	0	46	10	56
Barbour30-250	0	24	10	34
Barbour30-75	0	46	10	56
BarbourNT	0	0	4	4
CareyBDPF	54	40	11	105
CareyBDPS	83	32	11	126
CC40_PCT	0	148	7	155
CC60_PCT_CT	78	42	19	139
CC80_PCT_2CT	125	34	11	170
Hansen0-120	0	0	3	3
Hansen0-40	0	144	3	147
Hansen0-80	158	55	3	216
McComb_CC	132	51	4	187
McComb_PR	0	50	7	57
Mit_SOP	0	34	0	34
YSTD-Heavy	0	62	4	66
YSTD-Light	0	33	4	37

Table A.8: Total harvested volume (mbf/ac) by size class (LST: >24"dbh, ST: 12-24", Pole: <12") per silvicultural pathway from 80 year FVS projection of 10 year old stand with initial density of approx. 1300 tpa

Pathway	LST	ST	Pole	Total
0 NA	0	0	0	0
Barbour15-150	0	14	18	32
Barbour15-75	0	9	18	27
Barbour30-150	0	43	12	55
Barbour30-150HL	0	55	12	67
Barbour30-250	0	29	12	41
Barbour30-75	0	55	12	67
BarbourNT	0	0	5	5
CareyBDPF	65	48	13	126
CareyBDPS	100	38	13	151
CC40_PCT	0	177	8	185
CC60_PCT_CT	93	50	23	166
CC80_PCT_2CT	150	41	13	204
Hansen0-120	0	0	4	4
Hansen0-40	0	173	4	177
Hansen0-80	190	66	4	260
McComb_CC	159	61	5	225
McComb_PR	0	60	9	69
Mit SOP	0	41	0	41
YSTD-Heavy	0	75	5	80
YSTD-Light	0	39	5	44

Table A.9: Total harvested volume (mbf/ac) by size class (LST: >24"dbh, ST: 12-24", Pole: <12") per silvicultural pathway from 80 year FVS projection of 90 year old single storied stand.

Pathway	LST	ST	Pole	Total
0_NA	0	0	0	0
CC40_PCT	45	105	2	152
CC60_PCT_CT	79	43	6	128
CC80_PCT_2CT	142	23	6	171
DEMO20	34	8	0	42
DEMO40	16	8	0	24
Hansen10-120	48	8	0	56
Hansen10-40	48	100	0	148
Hansen10-80	173	54	0	227
Hansen150-120	0	0	0	0
Hansen150-40	0	0	0	0
Hansen150-80	0	0	0	0
Hansen15-120	43	8	0	51
Hansen15-40	43	84	0	127
Hansen15-80	154	51	0	205
Hansen20-120	38	8	0	46
Hansen20-40	38	68	3	109
Hansen20-80	110	71	0	181
Hansen30-120	31	8	0	39
Hansen30-40	31	39	8	78
Hansen30-80	74	71	0	145
Hansen50-120	16	8	0	24
Hansen50-40	16	13	7	36
Hansen50-80	16	64	0	80
Hansen5-120	53	8	0	61
Hansen5-40	53	113	0	166
Hansen5-80	200	48	0	248
McCombFS	43	8	0	51
McCombMS	37	11	0	48
McCombSS	125	52	4	181

Table A.10: Total harvested volume (mbf/ac) by size class (LST: >24"dbh, ST: 12-24", Pole: <12") per silvicultural pathway from 80 year FVS projection of 90 year old multiple storied stand.

Pathway	LST	ST	Pole	Total
0 NA	0	0	0	0
CC40 PCT	19	95	4	118
CC60 PCT CT	38	54	8	100
CC80 PCT 2CT	98	24	8	130
DEMO20	0	0	0	0
DEMO40	0	0	0	0
Hansen10-120	21	9	2	32
Hansen10-40	21	90	2	113
Hansen10-80	117	58	2	177
Hansen150-120	0	0	1	1
Hansen150-40	0	0	2	2
Hansen150-80	0	7	1	8
Hansen15-120	17	9	2	28
Hansen15-40	17	79	3	99
Hansen15-80	86	72	2	160
Hansen20-120	14	9	2	25
Hansen20-40	14	67	5	86
Hansen20-80	74	70	2	146
Hansen30-120	8	9	2	19
Hansen30-40	8	44	12	64
Hansen30-80	44	71	2	117
Hansen50-120	0	9	2	11
Hansen50-40	0	20	13	33
Hansen50-80	3	75	2	80
Hansen5-120	24	9	2	35
Hansen5-40	24	101	2	127
Hansen5-80	138	55	2	195
McCombFS	17	9	2	28
McCombMS	6	4	0	10
McCombSS	70	65	8	143