

3.10 Summary of Environmental Effects, Outcomes, and Outputs

Issue	Units	Alternatives													
		A		B		C		D		E		F		G	
	Decade	Dec. 2	Dec. 10	Dec. 2	Dec. 10	Dec. 2	Dec. 10	Dec. 2	Dec. 10	Dec. 2	Dec. 10	Dec. 2	Dec. 10	Dec. 2	Dec. 10
VEGETATION Vegetation Condition in Decades 2 & 10	%Conifer	28	31	34	57	39	36	35	58	34	44	34	52	34	51
	%Deciduous	72	69	66	43	61	64	65	42	66	56	66	48	66	49
	Upland % 0-10 yrs.	13	16	4	4	14	15	4	2	8	10	5	6	7	7
	Upland % 100+yrs.	11	18	14	51	9	22	14	53	12	36	14	50	13	38
	% Old Growth Age Class in forested portion of combined inner and outer RMZs	23	49	33	75	22	51	32	74	33	71	32	55	32	71
RIPARIAN AREA VEGETATION Vegetation Condition at end of Decades 2 & 10	% Long Lived Species in forested portion of inner RMZs	67	77	72	100	66	74	72	100	68	100	71	91	72	100
	% Long Lived Species in forested portion of outer RMZs	64	72	69	91	65	73	70	87	67	81	69	85	65	78
	Ratio of sawtimber to pulpwood for decade 1	29:71		34:66		26:74		16:84		33:67		29:71		35:65	
TIMBER		29:71		34:66		26:74		16:84		33:67		29:71		35:65	

Table 3.10.1 Comparison of Effects, Outcomes, and Outputs - CHIPPEWA NF								
Issue	Units	Alternatives						
		A	B	C	D	E	F	G
WILDLIFE	What habitat is emphasized in the alternatives	Provides habitat mostly for species associated with young, early successional forests and edges.	Landscape is dominated by habitat for species associated with older forest, later successional forest, and interior areas.	Provides habitat mostly for species associated with young forests, early successional forests, and edges.	Provides habitat for species associated with older forest, later successional forest and interior areas.	Provides habitat for species associated with a variety of forest conditions and successional stages.	Habitat characteristic of natural disturbance regime. Older forests, but some ecosystems dominated by habitat associated with early successional species.	Provides habitat for species associated with a variety of forest conditions and successional stages. Habitat zoned by management area.
Older Forest and Fragmentation	How older forest is provided for in the alternatives	Wildlife standards and guidelines	Landscape ecosystem objectives; MA allocations: all SMCs, all pRNAs, potential wilderness; Standards and guidelines	Landscape ecosystem objectives; Some extended rotation; Standards and guidelines	Landscape ecosystem objectives; Non-suitable land MA allocations: Minimum Management Natural Areas, all pRNAs, all potential wilderness; Standards and guidelines	Landscape ecosystem objectives: Standards and guidelines	Landscape ecosystem objectives: MA allocation: all pRNAs; Standards and guidelines	Landscape ecosystem objectives: MA allocation: upper level SMCs and some potential wilderness; Standards and guidelines
Old-growth	MA acres contributing to old-growth	27,941	248,586	41,002	649,821	96,981	84,591	169,685

Table 3.10.1 Comparison of Effects, Outcomes, and Outputs - CHIPPEWA NF								
Issue	Units	Alternatives						
		A	B	C	D	E	F	G
FIRE RISK	Fire Risk Index	Low	High	Low	High	Moderate	Moderate	Moderate
RIPARIAN MANAGEMENT	Management Approach	Mitigative Approach	Proactive Approach & Riparian MA	Mitigative Approach	Proactive Approach	Proactive Approach & Riparian MA	Mitigative Approach & Riparian MA	Proactive Approach & Riparian MA
WATERSHED Potential Impacts of New System and Temporary Roads	% of 6 th level watersheds that increase in riparian road interaction class at end of 2 nd decade	13	9	14	8	10	10	11
RECREATION Recreation Opportunity Spectrum Class Objectives (% of total acres)	Semi-primitive Non-motorized	2%	29%	2%	58%	3%	3%	5%
	Semi-primitive Motorized	0%	1%	0%	34%	2%	1%	16%
	Roaded Natural and Rural	98%	70%	98%	8%	95%	96%	79%
All Terrain Vehicle (ATV) Trails	Maximum miles of new designated trails	60	30	60	0	90	60	60
ATV use of FS Roads	Forest Service low standard system roads	Allowed	Allowed	Allowed	Allowed	Allowed	Allowed	Allowed
	Forest Service unclassified roads	Allowed	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited

Table 3.10.1 Comparison of Effects, Outcomes, and Outputs - CHIPPEWA NF								
Issue	Units	Alternatives						
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ATV Cross-country use		Prohibited	Prohibited	Big game retrieval & trapping access only	Prohibited	Big game retrieval & trapping access only	Prohibited	Prohibited
Snowmobile Cross- country use		Prohibited	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited	Prohibited
Snowmobile Trails	Maximum miles of new designated trails	100	40	100	0	100	70	70
Water Access	Development level of new access sites	High	Low	High	No new	High	Medium	Medium
DESIGNATIONS Potential Wilderness	Number of areas NFS Acres (0 acres existing)	0 areas 0	2 areas 6,213	0 areas 0	2 areas 6,213	0 areas 0	0 areas	1 area 2,727
Special Management Complexes	NFS Acres	0	169,098	0	0	0	0	85,595
Potential Research Natural Areas (4 existing RNAs)	Number of areas NFS Acres	1 area 769	9 areas 6,077	1 area 769	8 areas 5,542	2 areas 3,951	10 areas 9,261	9 areas 9,015
ECONOMIC Jobs	Total Jobs in 2012	20,029	16,822	19,408	13,285	19,089	16,309	18,821

Table 3.10.1 Comparison of Effects, Outcomes, and Outputs - CHIPPEWA NF								
Issue	Units	Alternatives						
		A	B	C	D	E	F	G
Labor Income	Total Labor Income in 2012 (\$ million)	\$517.1	\$412.6	\$500.4	\$300.5	\$485.3	\$397.1	\$476.0
ROADS (miles decade 1)	Total Maintenance Level 1 (324 existing)	155	152	156	140	155	151	154
	Temporary	473	262	653	183	324	237	304

Table 3.10.2. Comparison of Effects, Outcomes, and Outputs – SUPERIOR NF															
Issue	Units	Alternatives													
		A		B		C		D		E		F		G	
	Decade	Dec. 2	Dec. 10	Dec. 2	Dec. 10	Dec. 2	Dec. 10	Dec. 2	Dec. 10	Dec. 2	Dec. 10	Dec. 2	Dec. 10	Dec. 2	Dec. 10
VEGETATION Vegetation Condition in Decades 2 & 10 (does not include BWCA)	%Conifer	42	52	45	80	42	53	50	81	44	72	46	72	47	67
	%Deciduous	58	48	55	20	58	47	50	19	56	28	54	28	53	33
	Upland % 0-10 yrs.	13	15	5	6	15	14	5	2	11	9	8	9	9	10
	Upland % 100+ yrs.	8	15	19	50	13	22	18	51	16	38	18	38	16	33
	RIPARIAN AREA VEGETATION Vegetation Condition at end of Decades 2 & 10	% Old Growth Age Class in forested portion of combined inner and outer RMZs	41	49	50	69	36	48	48	70	48	63	46	59	49
	% Long Lived Species in forested portion of inner RMZs	54	77	55	93	53	72	55	93	55	93	54	85	55	93
	% Long Lived Species in forested portion of outer RMZs	50	67	52	83	49	63	51	79	51	71	51	73	51	74
TIMBER	Ratio of sawtimber to pulpwood for decade 1	19:81		24:76		18:82		16:84		20:80		24:76		23:77	

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		A	B	C	D	E	F	G
WILDLIFE	What habitat is emphasized in the alternatives	Provides habitat mostly for species associated with young, early successional forests and edges.	Landscape is dominated by habitat for species associated with older forest, later successional forest, and interior areas.	Provides habitat mostly for species associated with young forests, early successional forests, and edges.	Provides habitat for species associated with older forest, later successional forest and interior areas.	Provides habitat for species associated with a variety of forest conditions and successional stages.	Habitat characteristic of natural disturbance regime. Older forests, but some ecosystems dominated by habitat associated with early successional species.	Provides habitat for species associated with a variety of forest conditions and successional stages. Habitat zoned by Management area.
Older Forest and Fragmentation	How older forest is provided for in the alternatives	Wildlife standards and guidelines	Landscape ecosystem objectives; MA allocations: all SMCs, all pRNAs, potential wilderness; Standards and guidelines	Landscape ecosystem objectives; Some extended rotation; Standards and guidelines	Landscape ecosystem objectives; Non-suitable land MA allocations: Minimum Management Natural Areas, all pRNAs, all potential wilderness; Standards and guidelines	Landscape ecosystem objectives; Standards and guidelines	Landscape ecosystem objectives; MA allocation: all pRNAs; Standards and guidelines	Landscape ecosystem objectives; MA allocation: upper level SMCs and some potential wilderness; Standards and guidelines
Old-growth	MA acres contributing to old-growth	1,000,003	1,589,419	1,000,302	2,208,421	1,119,449	1,033,214	1,178,929

Issue	Units	Alternatives						
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FIRE RISK	Fire Risk Index	Low	High	Low	High	Moderate	Moderate	Moderate
RIPARIAN	Approach	Mitigative Approach	Proactive Approach	Mitigative Approach	Proactive Approach	Proactive Approach Riparian MA	Mitigative Approach	Proactive Approach
RIPARIAN MANAGEMENT	Management Approach	Mitigative Approach	Proactive Approach	Mitigative Approach	Proactive Approach	Proactive Approach & Riparian MA	Mitigative Approach	Proactive Approach
WATERSHED Potential Impacts of New Summer System and Temporary Roads	% of 6 th level watersheds that increase in riparian road interaction class at end of 2 nd decade	17	11	22	7	14	10	15
RECREATION Recreation Opportunity Spectrum Class Objectives (% total acres)	Primitive	5 %	5 %	5 %	5 %	5 %	5 %	5 %
	Semi-primitive Non-motorized	29%	59%	28%	64%	29%	31%	30%
	Semi-primitive Motorized	5%	5%	6%	29%	8%	8%	16%
	Roaded Natural and Rural	61%	31%	61%	2%	58%	56%	49%
All Terrain Vehicle (ATV) Trails	Maximum miles of new designated trails	60	30	60	0	90	60	60
ATV use of FS Roads	Forest Service low standard system roads	Allowed	Allowed	Allowed	Allowed	Allowed	Allowed	Allowed

Table 3.10.2. Comparison of Effects, Outcomes, and Outputs – SUPERIOR NF								
Issue	Units	Alternatives						
		A	B	C	D	E	F	G
	Forest Service unclassified roads	Allowed	Allowed	Allowed	Prohibited	Allowed	Allowed	Allowed
ATV Cross-country use		Allowed	Prohibited	Big game retrieval & trapping access only	Prohibited	Big game retrieval & trapping access only	Prohibited	Prohibited
Snowmobiles Cross-country use		Allowed	Allowed	Allowed	Prohibited	Allowed	Allowed	Allowed
Snowmobile Trails	Maximum miles of new designated trails	90	50	90	0	130	90	90
Water Access	Development level of new access sites	High	Low	High	Low	High	Medium	Medium
DESIGNATIONS								
Potential Wilderness (814,400 acres existing)	Number of new areas NFS Acres	0 areas 0	12 areas 17,481	0 areas 0	30 areas 60,534	0 areas 0	0 areas 0	4 areas 3,672
Special Management Complexes	NFS Acres	0	345,751	0	0	0	0	183,302
Potential Research Natural Areas (1 existing RNA)	Number of areas NFS Acres	1 area 792	41 areas 43,698	1 area 792	41 areas 369,041	11 areas 18,217	41 areas 44,378	26 areas 33,580
ECONOMIC								
Jobs	Total Jobs in 2012	19,395	17,239	20,209	15,521	18,638	19,040	18,717

Table 3.10.2. Comparison of Effects, Outcomes, and Outputs – SUPERIOR NF								
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Labor Income	Total Labor Income in 2012 (\$ million)	\$497.9	\$424.8	\$527.6	\$371.0	\$472.8	\$484.7	\$473.7
ROADS (miles decade 1)	Total Maintenance Level 1 Roads (883 existing)	1,005	952	1,056	943	985	967	975
	Temporary Roads	918	519	1,301	447	765	631	686

