

Potential Impacts on State Forest Timber Harvests in the Northern Lower Peninsula from Biodiversity Stewardship Area Designation



- Biodiversity Stewardship Areas are proposed on 9.5% of the State Forest in the Northern Lower Peninsula of Michigan.
- These proposed areas include 6% of the major timber forest cover types (aspen, jack pine, northern hardwoods, oak and red pine) in the State Forest of the Northern Lower Peninsula of Michigan.
- It is projected that changes in management of the proposed Biodiversity Stewardship Areas will result in an approximately 3 to 7% reduction in the acres and volume of total State Forest timber harvest in the northern Lower Peninsula in the next decade (if all other factors remain constant). These estimates will be refined based upon final designations and other future operational and planning decisions.

**Total Northern Lower Peninsula (NLP) Proposed Biodiversity
Stewardship Area (BSA) State Forest (SF) Acres**

Cover Type and Corresponding Single Digit Inventory Code		NLP BSA SF Total	NLP SF Inventory Total	SF Percent of Total BSA Acres
Aspen	A	18,997	501,079	4%
Paper Birch	B	406	3,085	13%
Cedar	C	19,576	73,998	26%
Treed Bog	D	1,184	5,389	22%
Swamp Hardwoods	E	14,979	99,094	15%
Spruce Fir	F	1,512	7,734	20%
Grass	G	4,243	56,359	8%
Hemlock	H	235	1,696	14%
Local Name	I	7	582	1%
Jack Pine	J	24,171	214,382	11%
Rock	K	0	26	0%
Lowland Brush	L	13,153	84,850	16%
Lowland Mixed	LM	734	6,223	12%
Upland Hardwoods	M	21,220	211,879	10%
Mixed Coniferous	MC	2,003	18,729	11%
Mixed Deciduous	MD	1,825	25,282	7%
Marsh	N	7,070	34,966	20%
Oak	O	7,790	216,812	4%
Lowland Poplar	P	6,608	45,918	14%
Mixed Swamp Conifers	Q	20,057	88,270	23%
Red Pine	R	9,516	178,425	5%
Black Spruce	S	1,933	7,762	25%
Tamarack	T	1,616	7,602	21%
Upland Brush	U	4,081	51,125	8%
Upland Mixed	UM	1,330	11,245	12%
Bog or Marsh	V	2,415	15,498	16%
White Pine	W	3,565	43,471	8%
Non Stocked	X	350	10,614	3%
Sand Dune	Y	276	871	32%
Water	Z	3,344	22,601	15%
Total SF Acres		194,195	2,045,566	9.5%

Major Timber Types (AJMOR) 81,694 1,322,576 6.2%

Major Timber Type % of total SF BSA Acres = 81,694 / 194,195 = 42%

Each row of the above table should be interpreted as follows, using the first row as an example, "There are 501,079 acres of aspen that have been inventoried on State Forest lands in the Northern Lower Peninsula. Of these, 18,997 acres (or 4%) occur within proposed Biodiversity Stewardship Areas."