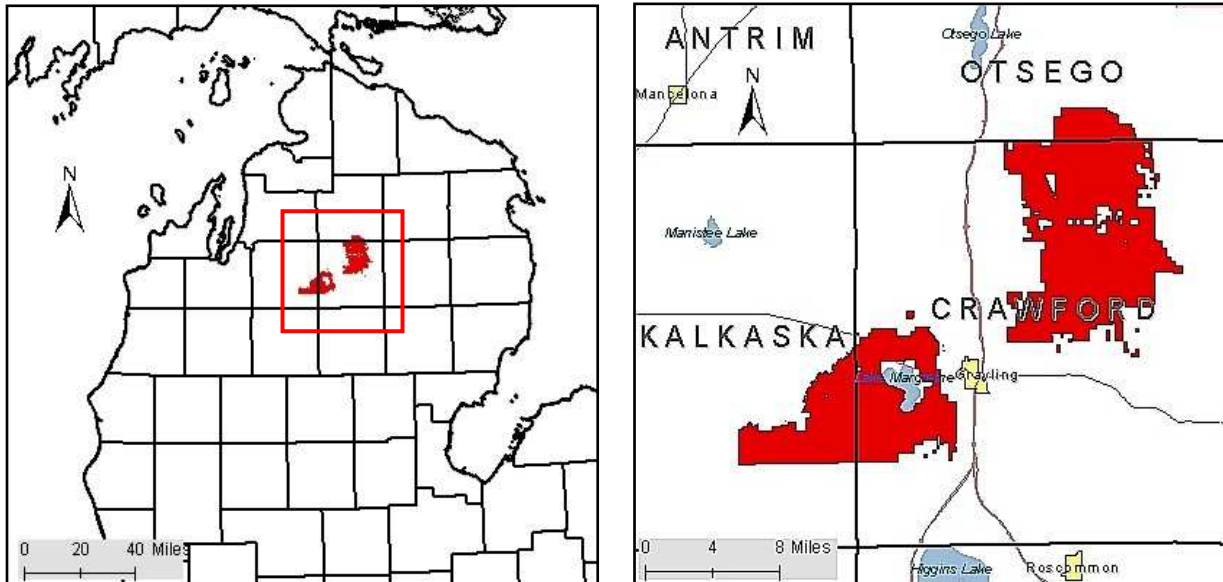


Camp Grayling Management Area



Attributes

The Camp Grayling Management Area, designated as training ground for the Michigan National Guard has approximately 95,000 acres of State Forest land. The Camp Grayling MA is located in Crawford, Kalkaska and Otsego Counties and is comprised of various types of ownership including Hanson Grant Lands, Military Board lands, and lands leased from the MDNR to the Department of Military Affairs (DMA). Each type of ownership has different constraints.

- Hanson Grant lands are managed jointly by the State of Michigan DNR and DMA. Per deed restrictions, Hanson Lands are to be used foremost for military training while the state DNR manages fish, game and forestry interests on these lands.
- The Camp Grayling MA includes various shooting and artillery ranges, and other specialized training areas, some of which are off limits to any natural resource management.
- The state manages the natural resources on leased lands and some of the military board lands as long as management does not interfere with military training.
- The Camp Grayling Pine Barrens special management area (approximately 5,100 acres) is located in the Camp Grayling MA. A management plan, developed in conjunction with Camp Grayling, has the goal of improving the quality of the pine barrens area while allowing for military training to continue in the area.

Major Cover Types

- Oak – Most of the oak is in pure stands and are in decline due to advanced age. Seventy-eight percent (22,000 of the 28,000 acres) of oak acres are over age 70.
- Jack Pine – There are 19,000 acres of jack pine, with a fairly balanced 0-59 year age class structure. There are 4,900 acres of jack pine over age 60.

- Aspen - There are 18,000 acres of aspen, having a fairly balanced 0-59 year age class structure except for 1,800 acres in the 70-79 year age class.
- Upland Brush/Grass – There is a generally higher than average percentage of upland brush and grass (15%) in this MA.
- Red Pine - Most of the red pine is located in Crawford County. There is a spike in the 60-79 age classes, reflecting an era of active planting.
- Northern Hardwoods/Upland Hardwoods - There are 2,300 acres of northern hardwoods in the Camp Grayling MA, mostly located in northern Crawford County where the soils are better.

Camp Grayling			Age Class (Years)												Uneven Aged
Cover Type	Acres	%	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100+		
Oak	28,213	30%	1,342	1,879	825	1,150	164	313	448	6,681	11,857	2,182	1,235	137	
Jack Pine	18,940	20%	1,830	2,095	2,363	3,159	2,257	2,163	2,320	1,934	619	45	0	144	
Aspen	17,918	19%	1,547	3,595	5,293	2,759	1,450	351	728	1,793	365	10	0	27	
Red Pine	4,334	5%	15	255	342	135	761	241	804	1,179	204	94	173	131	
Upland Hardwoods	2,346	2%	31	139	131	30	4	39	61	180	468	107	1	1,155	
Mixed Swamp Conifers	1,593	2%	0	0	0	0	11	4	24	167	523	250	68	546	
Upland Brush	8,887	9%													
Grass	5,399	6%													
Non Stocked	2,216	2%													
Water	353	0%													
Other Types	4,715	5%													
94,914															

Other Types include: Lowland Brush, Swamp Hardwoods, Cedar, White Pine, Bog, Marsh, Lowland Poplar, Spruce-Fir, Tamarack, White Birch, Hemlock, and Sand Dune.

Concepts of Management

- Oak (30% of the MA) – Utilize harvest methods to promote oak regeneration, and if needed, plant white or red pine to facilitate oak regeneration and growth.
- Jack Pine (20.0% of the MA) – It is expected that the acres of jack pine will decrease due to the military’s desire for less jack pine and other species that may attract threatened or endangered species that may impede military training.
- Aspen (19% of the MA) - Expect to maintain or increase at its current level. Seek opportunities to harvest the almost 1,800 in the 70-79 age class.
- Upland Brush/Grass (15% of the MA) - Expect to increase as the pine barrens special management area is developed.
- Red Pine (5% of the MA) - Historically, the MDNR has not invested resources in planting active military training areas since they may not be able to manage the red pine in the future. Natural red pine regeneration is being promoted in these areas.
- Northern Hardwoods/Upland Hardwoods (2% of the MA) - Continue regular selection management of upland hardwoods to develop uneven-aged stand structure.