

Munuscong Public Hunting Grounds
Planting Project Number 2
Fall 1940

This project was designed as a dual purpose project. First, if successful the planting will increase the amount of deer feed in the vicinity of the Keldon deer yard and second, it will increase the amount of upland game bird food on the margin of a rather extensive open plains area. The open plains now support a small population of prairie chickens. If the habitat can be improved the population of prairie chickens should increase and sharptail grouse should also thrive here when they become established in this part of Chippewa County. Other game species such as ruffed grouse and snowshoe hares should also benefit from the planting.

Description and Acreage Planted:

SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 9 T 44 N, R 1 W 35 Acres

Species, Age, Size and Quantity of stock planted:

<u>Species</u>	<u>Age</u>	<u>Size</u>	<u>Quantity</u>
Box Elder	1-0	4"	10,000
Box Elder	2-0	6"	4,181
Black Cherry	2-0	11"	10,000
Juneberry	2-0	8"	3,275
Norway Maple	2-0	8"	10,000
Red Maple	3-0	12"	10,000
Sumac	2-0	10"	900

Total Trees and Shrubs planted- 48,356

The stock for this planting project was all produced in the Hardwood State Forest nursery. It was delivered to the project by a hired local truck on October 2. The stock was in good condition when received from the nursery and planted.

Planting began October 2 and was completed October 12. The weather was favorable for planting. Some rain fell during the planting operations, but not enough to interfere with planting. The ground was moist enough to prevent the plants from drying out.

The soil on the planting area is Rubicon sand. It has good drainage toward the swamp and light ground cover. The ground cover includes considerable moss and sorrel which indicate that the soil is probably quite strongly acid.

Labor for the project was hired locally at the rate of 40 cents per hour. A local foreman was placed in charge of the crew and was paid 50 cents per hour.

Soil preparation for the project consisted of scalping, and planting was done with Michigan planting bars. The trees and shrubs were planted at the rate of approximately 1,400 to the acre. Plans for the area indicated a spacing of 6' x 6' which would be at the rate of approximately 1,200 per acre but evidently

the spacing was shortened a little and the number of plants over ran nearly 200 per acre.

The quality of work obtained on the project was quite satisfactory.

No check plots were laid out, but the arrangement of the species in the planting is shown on the attached planting slips, and mortality counts can be made by checking scalps where the various species were planted.

Planting Costs--All from Game Division Funds (Not including cost of nursery stock or time and travel of Lansing office personnel)

Labor-

Common Labor-1,071 man hrs. @ \$.40 per hr.	\$428.40
Foreman-95 hrs @ \$.50 per hr.	\$ 47.50
Game Area Manager's time-	
2 days @ \$6.00 per day	\$ 12.00
Total labor cost	\$487.90

Transportation

Hauling Stock from Nursery	\$ 15.00
Game Area Manager's Mileage	
150 miles @ \$.04 per mile	6.00
Total transportation cost	\$ 21.00

Equipment

Equipment cost including grape hoes, shovels, planting bars and pails-\$51.89
 Pro rated over 10 planting seasons-\$ 5.19
 Total cost of Project-\$514.09
 Cost per acre planted-\$14.69
 Cost per thousand trees and shrubs planted-\$10.63

L. A. Davenport

LAD:BA
 6/12/42