

ESCANABA RIVER TRACT PLANTING NUMBER 6SPRING, 1940

The Escanaba River Tract planting project carried on during the spring planting season of 1940 was designed primarily to improve food and cover for wildlife with emphasis on deer, sharp-tailed grouse and prairie chickens, but a small part of the project was devoted to planting living snow fences along the main road through the tract. The bulk of the planting was done in an area that is locally known as the cattle ranch. Four "forties" or 160 acres were planted in this area. The snow fence planting consisted of replanting areas that had previously (Fall, 1938) been planted for this purpose and a large percentage of the spruce trees used had not survived.

Game Food and Cover Planting

This planting was made in a large more or less open area that is used by prairie chickens and sharp-tailed grouse. Some planting in this area probably will be beneficial to these species, but probably the acreage planted under this project is sufficient and any considerable extension of the plantings in this area might be more detrimental than beneficial.

Description and Acreage Planted on Each:

SE 1/4 NW 1/4	Section 16, T43N, R28W -	40 Acres
NE 1/4 NW 1/4	" 15, T43N, R28W -	40 "
NW 1/4 NW 1/4	" 15, T43N, R28W -	40 "
NE 1/4 NE 1/4	" 16, T43N, R28W -	40 "

Total Acreage Planted - 160 Acres

Species and Quantity of Stock Used

Species	Age	Size	Quantity
Mountain Ash	2-0	6"	51,400
Mountain Ash	3-0	9"	22,860
Basswood	2-0	12"	10,875
Basswood	1-3	20"	75
Box Elder	1-0	8"	104,826
Black Cherry	1-0	6"	156,464
Black Cherry	2-0	9"	9,264
Choke Cherry	1-0	5"	3,700
Silky Dogwood	1-0	6"	5,060
American Elm	1-0	4"	13,332
Norway Maple	1-0	4"	13,650
Red Maple	2-0	7"	7,000
Soft Maple	1-0	9"	3,064
Hinebark	2-0	13"	15,425
Winterberry	3-0	10"	23,840

Total 440,825

All of the stock used on this project was produced at the Hardwood State Forest Nursery and was delivered to the planting area by C.C.C. trucks. Four shipments were necessary to transport all of the stock. Shipments were made on May 12, 19, 21 and 26. The stock was well advanced in seasonal growth before it was received and some of it wilted badly after planting. Part of the box elder stock was reported to be in bad condition when received. Many of the tops were dead or in a dying condition. It is not believed that this condition was caused by shipment, but was due to poor stock not being culled out at the nursery.

All of the labor for this project was furnished by C.C.C. Camp Escanaba River, and the transportation of the stock was also furnished by the C.C.C. organization.

The soil preparation consisted of scalping, and the planting was done with Michigan planting bars. A large percentage of the C.C.C. personnel that worked on the project had never planted before, and at the time I visited the project shortly after planting started the quality of the planting was not entirely satisfactory.

All of the planting was done with a 4' x 4' spacing or at the rate of approximately 2725 per acre.

Check plots are to be set up in the planted area for the purpose of making mortality counts on each species planted. This work will all be done by the C.C.C. Camp Escanaba River.

Project Costs. Not including the cost of producing the nursery stock or the time and travel of Lansing office personnel.

From C.C.C. Funds .....	\$3,603.40
Scalping .....	\$2,126.95
Supervision .....	\$ 278.39
Man-days (1163 @ 1.50) .....	1,744.50
Trucks: Stakes - 2036.5 @ .05 .....	101.82
Dumps - 32 @ .07 .....	2.24
Planting .....	1,365.71
Supervision .....	203.46
Man-days (709 @ 1.50) .....	1,063.50
Trucks: Stakes - 1427.5 @ .05 .....	71.38
Dumps - 391 @ .07 .....	27.37
Survey .....	41.44
Supervision .....	7.79
Man-days (20 @ 1.50) .....	30.00
Trucks: Stake - 73 @ .05 .....	3.65



From C.C.C. Funds (Continued) .....	\$3,603.40
Transportation .....	\$ 69.30
Man-days (1 @ 1.50) .....	\$ 1.50
Trucks: Stake - 1356 @ .05 .....	67.80
From Game Division Funds .....	39.90
Game Area Manager's Time - 6 days @ \$6.00 per day .....	\$ 36.00
Game Area Manager's Travel - 130 miles @ \$ .03 .....	3.90
Total Cost of Hardwood Planting .....	\$3,643.30
Cost Per Acre of Hardwood Planting .....	\$ 22.77
Cost Per Thousand Hardwoods Planted .....	\$ 8.27

#### Snow Fence Planting

As stated above, these plantings were made to replace the plants from a previous planting (Fall, 1938) that had died. The purpose of the planting as indicated by its name was to create living snow fences along parts of the main road through the tract where the snow drifts badly.

#### Descriptions and Acreage Planted on Each

SE 1/4 SW 1/4	Section 20, T44N, R27W	- 2.3 Acres
S 1/4 SW 1/4	" 23, T44N, R26W	- 2.3 "
SE 1/4 SW 1/4	" 24, T44N, R26W	- 2.3 "
NW 1/4 SW 1/4	" 19, T44N, R25W	- 2.3 "
NE 1/4 SW 1/4	" 25, T44N, R28W	- 2.3 "

Total Acreage Planted - 9.2 Acres

#### Species and Quantity of Stock Used

Species	Age	Size	Quantity
White Spruce	3-1	9"	26,200

The stock was produced at the Hardwood State Forest Nursery and was delivered to the Escanaba River Tract by C.C.C. truck on May 29. The planting was all done on May 31. The method of planting was with Michigan planting bars and the soil was prepared by scalping. Since this was a re-planting job, scalping was easy and in some cases unnecessary. All of the labor for the project was furnished by C.C.C. Camp Escanaba River. The weather conditions were good during the time the plantings were being made and the soil was moist from recent rains. The quality of the work obtained from the C.C.C. labor was satisfactory.

Planting Costs. Not including the cost of producing the nursery stock or the time and travel of Lansing office personnel.

From C.C.C. Funds ..... \$ 249.04

Scalping ..... \$ 124.36

Supervision ..... \$ 25.21

Man-days (63 @ 1.50) ..... 94.50

Trucks: Stakes - 93 @ .05 ..... 4.65

Planting ..... 124.68

Supervision ..... 32.02

Man-days (58 @ 1.50) ..... 87.00

Trucks: Stakes - 67 @ .05 ..... 3.35

Dump - 33 @ .07 ..... 2.31

From Game Division Funds ..... 6.60

Game Area Manager's Time - 1 day @ \$6.00 per day ..... 6.00

Game Area Manager's Travel - 20 miles @ \$ .03 ..... .60

Total Cost of Planting ..... \$ 255.64

Cost Per Acre Planted ..... \$ 27.79

Cost Per Thousand Trees Planted ..... \$ 9.76

LAD:WE  
8-21-40

L. A. Davenport  
Game Division