

July 2, 1935

PROPOSED STREAM IMPROVEMENTS FOR THE SOUTH BRANCH OF SPRING CREEK IN
WASHTENAW COUNTY, MICHIGAN

Location of stream area to be improved

The South Branch of Spring Creek to be improved is located in the southwest portion of Section 5, York Township, Washtenaw County, Michigan. It extends from the public bridge on the Saline-Urania road, upstream (easterly) approximately 1/4 mile to the first private wooden bridge.

Types of improvements

11 modified V-deflectors.

15 modified underpass deflectors.

Several hundred will shoots for planting along banks to produce cover.

Rough estimates of the more important items of material and labor.

At least 12 truck loads (1 1/2 ton truck) of boulders from 5 to 15 inches in diameter.

275 wooden stakes 4' x 3", or their equivalent.

Suitable lumber, logs or sheeting to produce 11 deflector arms 1 1/2' high x 10' long.

Suitable lumber, logs or sheeting to produce 5 deflector arms 1 1/2' high x 5' long.

Suitable lumber, logs or sheeting to produce 7 deflector arms 1 1/2' high x 8' long.

10 boards 10' x 2" x 1' or their equivalent.

5 boards 12' x 2" x 1' or their equivalent.

300 feet of No. 9 galvanized wire.
25 pounds of 2-inch galvanized staples.
20 pounds of 20-penny spikes.
At least 2 pair of 10" or 12" fence pliers.
1 13-lb. post maul.
1 18-lb. post maul.
Picks, shovels and spades.
Boots for working in water.
Trucks for hauling material and men
200 man days.

Suggestions

The V-deflectors are to be so constructed that they will not obstruct trout migration. Their downstream opening should be placed sufficiently far apart to create the greatest cutting force, thereby producing a long, narrow pool below the deflector.

The planks (or sheeting) of the underpass deflectors should be placed at that angle which will deflect the stream current downward, producing the longest, deepest hole possible. The width of the underpass should be constructed sufficiently by the use of boulders, to assist in the cutting.

The willow shoots should not be planted until spring.

The young willows should be protected from grazing cattle.

INSTITUTE FOR FISHERIES RESEARCH

Milton B. Trattman
Assistant Director

Sketch of the relative positions and types of improvements, drawn on a rough scale of 3 yards to 1/4 inch.

