

A VEGETATION SURVEY

of

TROUT BROOK FLOWAGE

July 15, 1976

DESCRIPTION AND HISTORY

The Trout Brook structure was started in 1963 under the Accelerated Public Works Program and finished in the summer of 1965. There is a 200 foot earthdike, a metal half-circle riser, and a 60 foot length of 36 inch culvert. The flowage has fourteen acres of swamps, one acre of marsh, and one acre of open water.

PROCEDURE

A vegetative survey of Trout Brook Flowage was taken on July 15, 1976. We set up a baseline 16 degrees west of South with transects running 74 degrees east of South. The baseline was 1,100 feet long and consisted of 11 wooden stakes, 100 feet apart. The wooden stakes were marked with red flagging tape and lettered from A to K. A hand compass was used to set up the baseline and transects. Trout Brook Flowage was then cover typed by the following process. At 50 foot intervals along the transects we estimated the major cover type and from this data drew a cover type map of Trout Brook Flowage.

Cover Types- open water. flooded timber, alder, cedar swamp,
sedge and cattails, upland

Trout Brook Flowage consists of a large area of flooded timber. The open water cover type is adjacent to the Weir Road. In a southern direction from the open water is flooded timber. On the north eastern side there is a small area of alder. There is a thin strip of alder on the western side of the flooded timber. On the south western end of the flooded timber is a small strip of alder flooded timber cover type. South of the alder flooded timber is a small cedar swamp. On the south eastern side of the flooded timber is a thin strip of cattails and sedge.

The Trout Brook Flowage is surrounded by upland except on the Weir Road dike which is a grass-rush-strawberry transition adjacent to the marsh.

PLANT LIST

NAJADACEAE

Pond Weed

CYPERACEAE

Sedge

JUNCACEAE

Rush

ROSACEAE

Hard Hack

HYPERICACEAE

Marsh St. John's Wort

PRIMULACEAE

Yellow loosestrife

SPARGANIACEAE

Bur-reed

RETULACEAE

Speckled Alder

ROSACEAE

Cinque-foil

ROSOIDEAE

Wild strawberry

SWEET FERN

TYPHACEAE

Cattail

SILYBUM

Common thistle

CABIATAE

Larger skullcap

LEGUMINOSAE

White clover

LABIATAE

Self heal

EQUISETALES

Horse tail

COMPOSITAE

Golden rod

ERICACEAE

Blueberry

Sphagnum

SALICACEAE

Aspen-small tooth

LEMNACEAE

Duckweed

NYMPHAEACEAE

Yellow water lily

CONVOLVULACEAE

Bind weed

POLYPODIACEAE

Hay scented fern

Potamogeton epihydrus

Carex s.p.

Juncus s.p.

Spiraea tomentosa

Triadenum virginicum

Lysimachia terrestris

Sparganium americanum

Alnus rugosa

Potentilla canadensis

Fragaria virginiana

Typha angustifolia

Carduus lanceolatus

Scutellaria integrifolia

Trifolium repens

Prunella vulgaris

Equisetum s.p.

Solidago s.p.

Vaccinium angustifolium

Populus tremuloides

Spirodela

Nymphaea s.p.

Convolvulus s.p.

Dennstaedtia