

FINAL

**SUPPLEMENTAL INVESTIGATION WORK PLAN
FOR THE LOWER HOUSATONIC RIVER**

**GENERAL ELECTRIC (GE) HOUSATONIC RIVER PROJECT
PITTSFIELD, MASSACHUSETTS**

Appendix C

Contract No. DACW33-94-D-0009

Task Order No. 0032

DCN: GEP2-020900-AAME

Prepared for

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APPENDIX C

**LOCATIONS OF TERRACES AND AGGRADING BARS IN THE
HOUSATONIC RIVER**


Housatonic River Subreach Maps

Legend *** Study Area Map *** Data Descriptions

 Upland


River Deposits


 Terrace


 Aggrading Bar


 Channel

Sediment Grain Size


 Silt


 Fine Sand


 Coarse Sand


 Rock/Boulder

Wetlands


 Emergent


 Forested


 Scrub-shrub


 Open Water

Sediment Sample Locations


 0 to < 10 PPM PCB


 10 to < 25 PPM PCB


 25 to < 50 PPM PCB

 >= 50 PPM PCB

 Roads

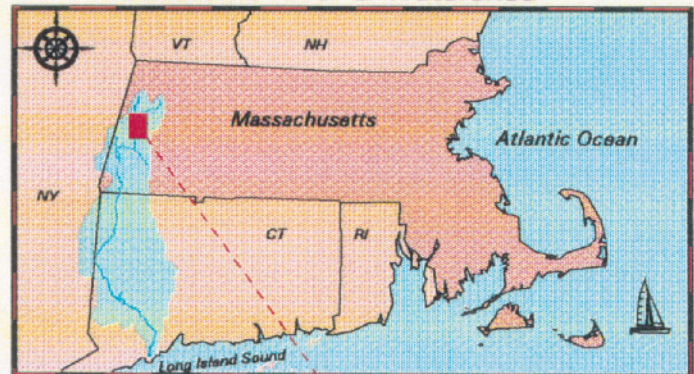
 Parcel Boundaries
ID Example: B5-2-1

 1 PPM PCB Isoleth

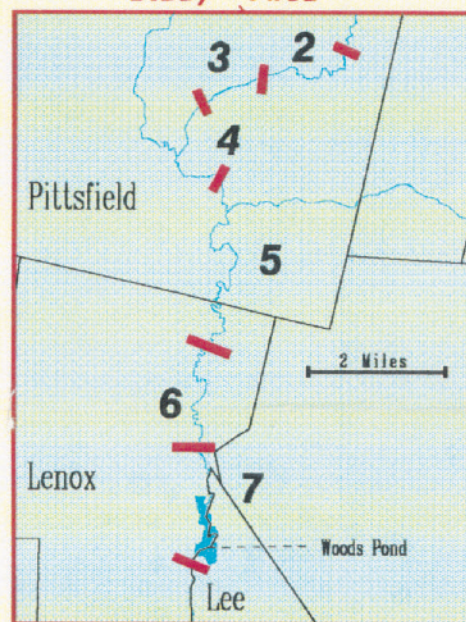
 Subreach Divisions
ID Example: B5-1



Housatonic River & Watershed



Study Area



The study area is divided into river reaches 2 through 7. Reaches are divided into the subreaches seen on maps.

DATA DESCRIPTIONS

Sediment Sample Locations and PCB Data: from DXF and dBASE files supplied by Blasland, Bouck and Lee, Inc. (BBL), 1981-82, 1990-91, 1994.

1 PPM PCB Isoleth: from DXF files, 1995-96. BBL created the isopleth using HEC-2 hydraulic modeling and available topographic data.

Reaches and Subreaches: from BBL; based on river features and topography. Lines across the river were screen digitized according to CAD maps.

Hydrography: water features are from DXF files; compiled from aerial photos (1:6000) dated 1983 or 1990 (1990 above New Lenox Road). A mainstem datalayer was created from the hydro and was used for boundaries in various other datalayers (river deposits, parcels and grain size).

Wetlands: USFWS National Wetlands Inventory (NWI), Oct. 1975, 1:80,000. Data within 1 PPM PCB isopleth used. Open water from the hydro data is plotted on top of NWI data. The NWI data are approximate because of their age and their compilation at a larger scale than the map scale.

Note: Upland is from the NWI datalayer.

Parcels: from DXF files (original data from towns), 1991. Only parcels inside of or overlapping the 1 PPM PCB isopleth are present.

River Deposits: most terrace and aggrading bar deposit polygons were created by an automated process using NWI data and sediment sampling locations (roads); the polygons are therefore approximate in shape, area is within +/- 5% of the BBL approximations. Some polygons screen digitized.

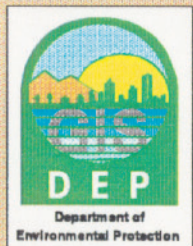
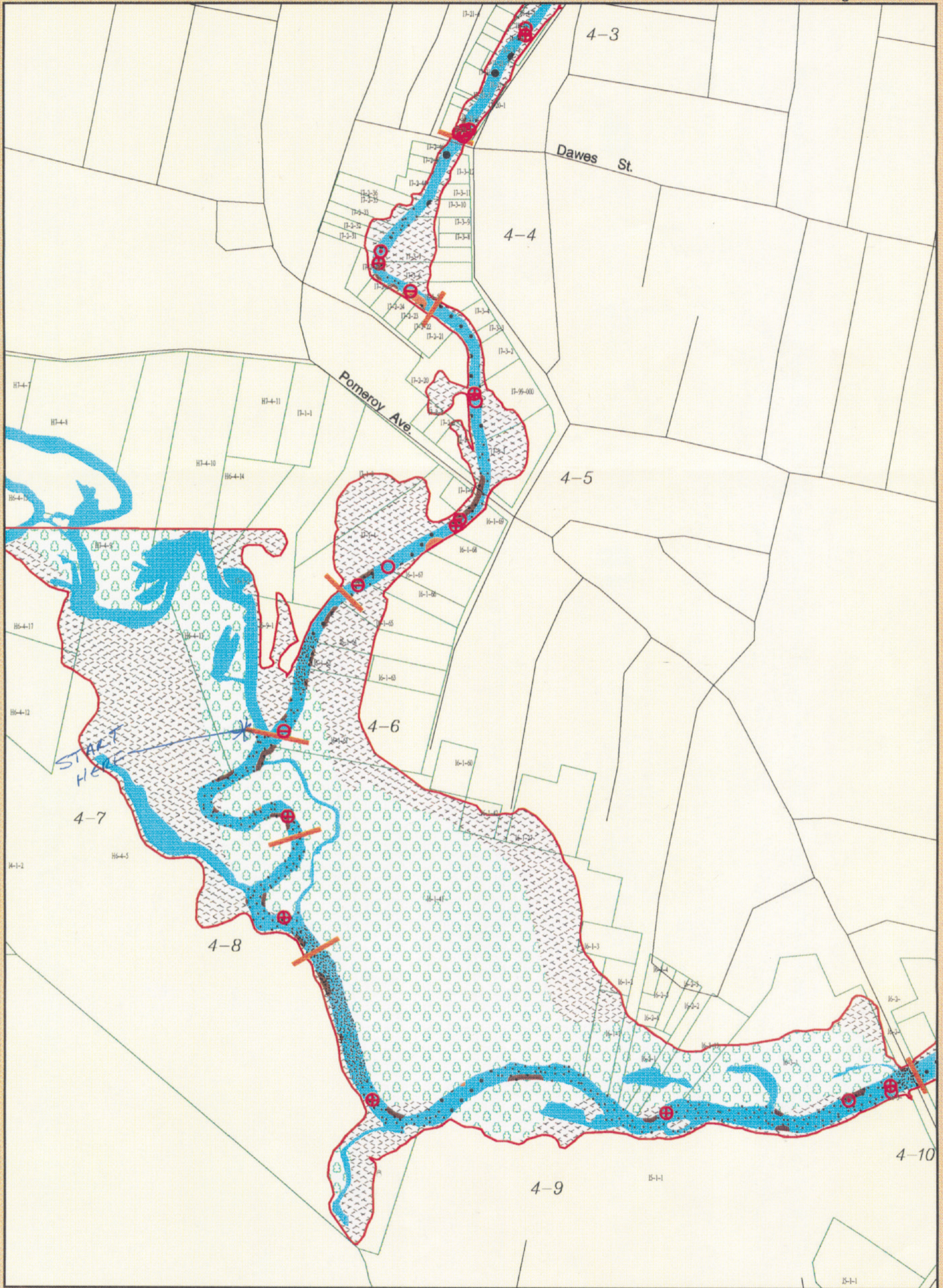
River Grain Size: lines defining polygons were screen digitized across the river halfway between sediment probing locations (1994).

Roads: MassGIS/USGS, 1985, 1:100,000. Some roads were modified for better

correlation with water table data.

Housatonic River Subreach Maps

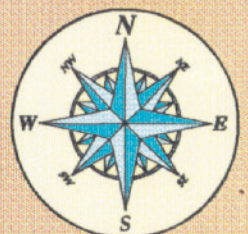
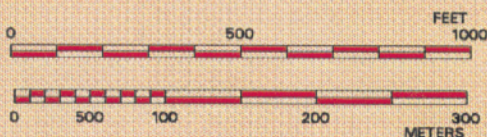
Subreaches 4-3 to 4-9



Massachusetts
Geographic
Information
System

Massachusetts Executive Office of Environmental Affairs - 1997

Map Scale 1:5000



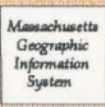
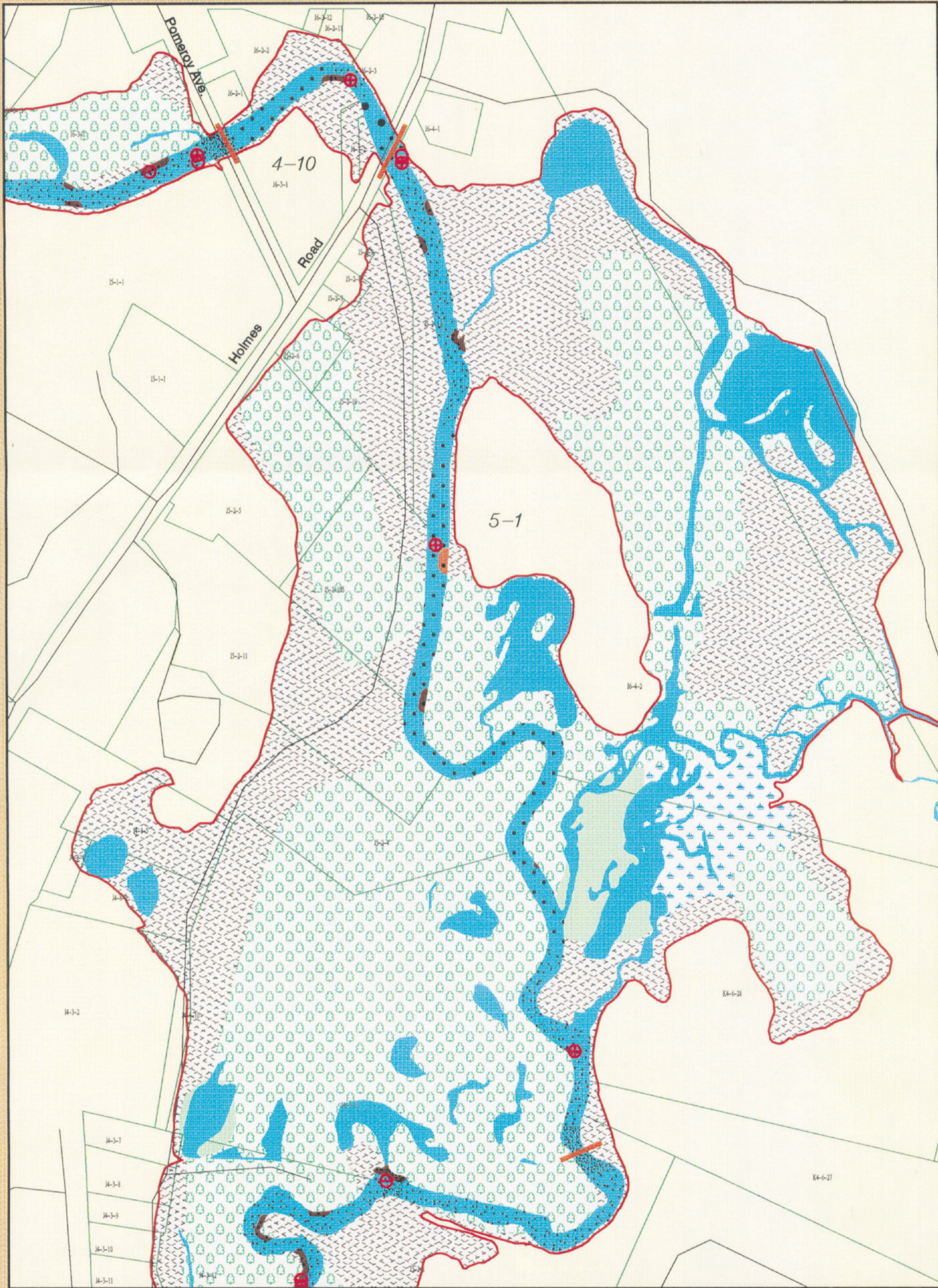
See accompanying legend page.

Barker -- May 01, 1997

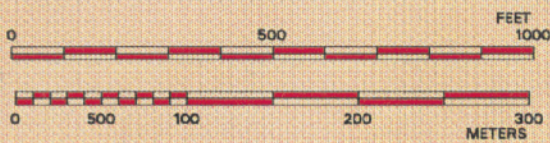
AML: /dep/projects/work/go/maps/submaps.aml

Housatonic River Subreach Maps

Subreaches 4-10 to 5-1



Map Scale 1:4400



See accompanying legend page.

Barker -- May 15, 1997