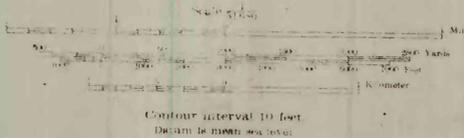
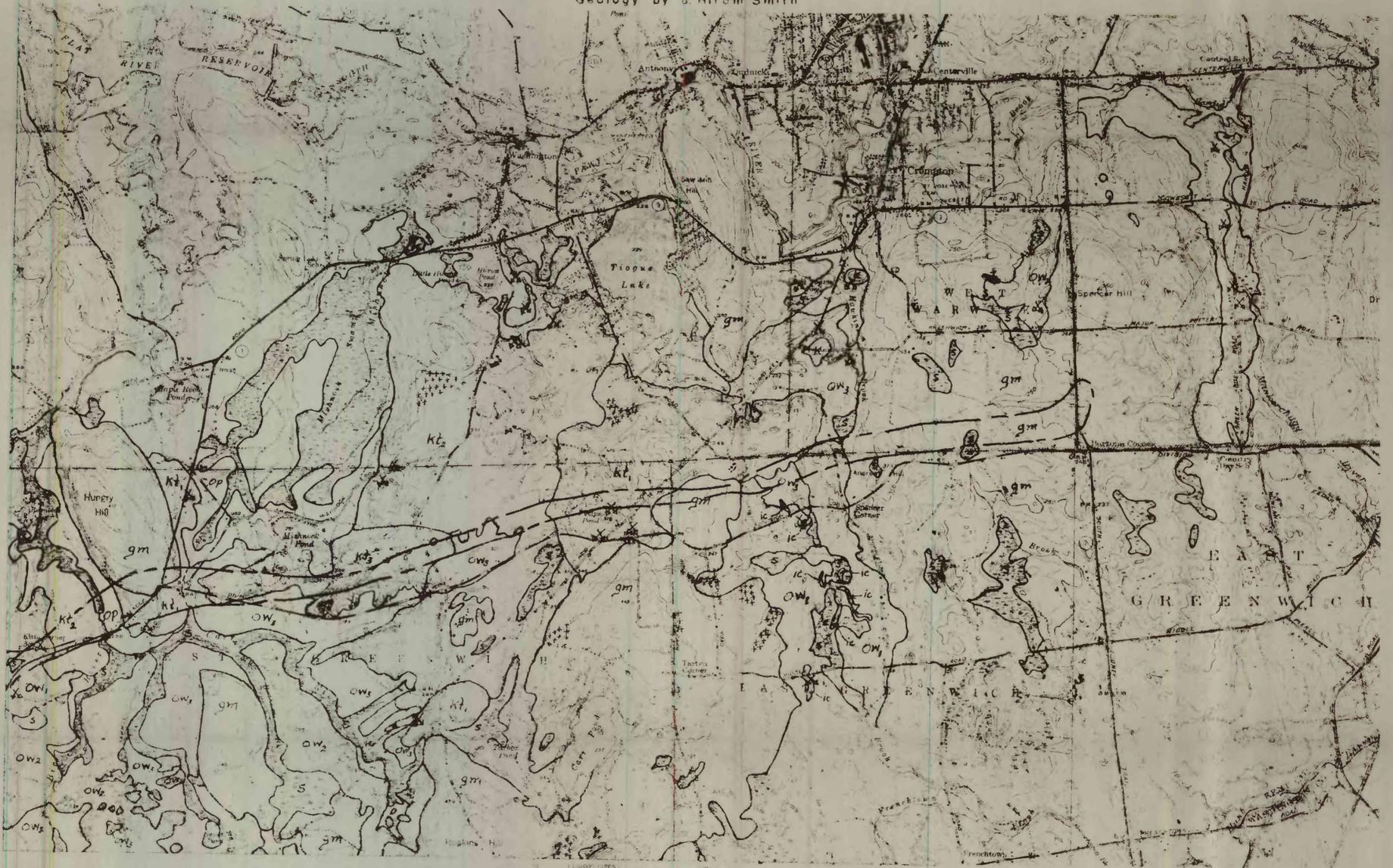


SURFICIAL GEOLOGIC MAP ALONG PROPOSED HIGHWAY FROM KITTS CORNER, WEST GREENWICH TO BARTONS CORNER, WEST WARWICK, RHODE ISLAND

Geology by J. Hiram Smith



EXPLANATION

CHIEF SOURCES OF COARSE TEXTURED GRANULAR MATERIALS

ic

Ice channel filling - ridge-shaped deposit formed as an esker or ovasse filling. Composed of bedded gravel and sand of variable texture. Found in Mawney Brook valley.

k

Irregular hillock (kame) of variable texture and irregular bedding but composed chiefly of coarse gravel.

ow1

Hummocky area of glacial outwash, composed in large part of pebble or cobble gravel and sand. Also contains much medium textured material.

kt1

Kame terrace, or part of kame terrace, in which gravel is abundant, particularly in the uppermost 10 feet.

CHIEF SOURCES OF MEDIUM TEXTURED GRANULAR MATERIAL

kt2

Kame terrace, or part of kame terrace, consisting chiefly of bedded sands. Chiefly hummocky topography. Few cobbles or boulders.

ow2

Glacial outwash, composed chiefly of bedded coarse and medium sand. Many cobbles or boulders on the surface in places. Contains local deposits of pebble gravel in places. Hummocky; tops of many hills are flat-topped.

op

Flat-lying outwash plain deposit of well sorted and bedded sands. Contains abundant supply of fine granular material.

CHIEF SOURCES OF FINE TEXTURED GRANULAR MATERIAL (Unlikely source area for suitable construction material)

ow3

Low level glacial outwash area having no characteristic form. Composed chiefly of sand and silt.

s

Swampy area in which the water table is frequently at the surface. Contains chiefly sandy or silty muck underlain by material similar to that in the surrounding area.

kt3

Part of kame terrace composed chiefly of fine sand and silt. Interbedded with thin beds of coarse sand and fine gravel.

CHIEF SOURCES OF VARIABLE-TEXTURED GRANULAR MATERIAL

gm

Ground moraine (till) area, underlain by a heterogeneous mixture of materials ranging in size from clay to boulders. Relatively compact but may be dug with hand tools. Hummocky to hilly topography. Suitable for backfill at most places.

Bedrock exposures

Approximate boundary

Sand and/or gravel pit

Area of exceptional concentration of boulders.

Limits of several proposed lines of route of the highway