UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
IRONDEQUOIT BAY PURE WATERS DISTRICT
MONROE COUNTY DEPARTMENT OF ENGINEERING

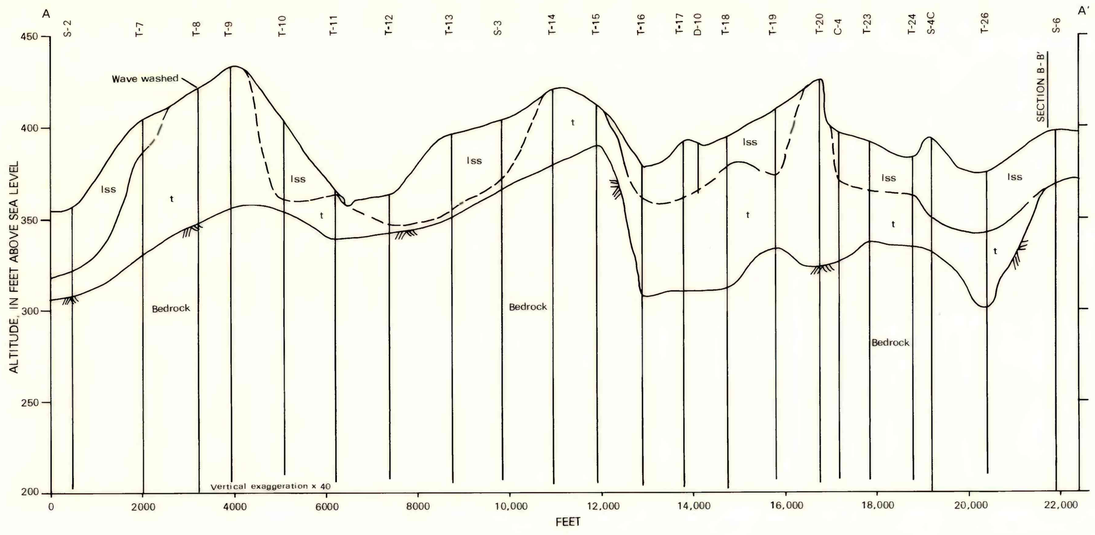
WATER-RESOURCES INVESTIGATIONS REPORT 84-4259
PLATE 6A-- GEOLOGIC SECTIONS (A-A' to H-H')

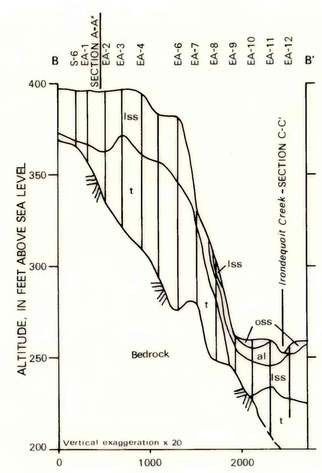
GEOLOGIC SECTIONS

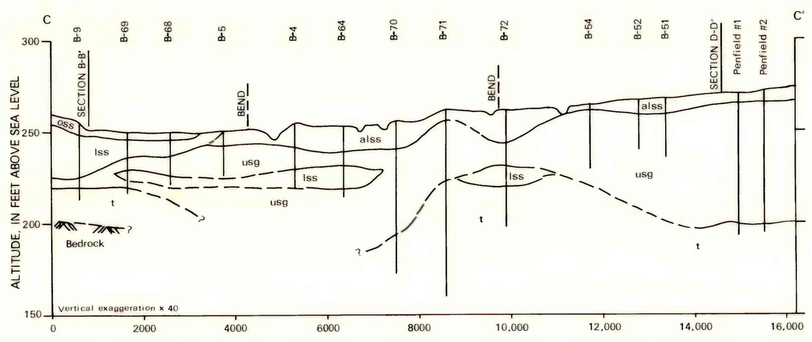
The geologic sections are based on data collected from test borings for the Monroe County Pure Waters Sewer Interceptor Project and several bridge-construction projects. Locations of the sections are indicated on plate 2, "Surficial Geology."

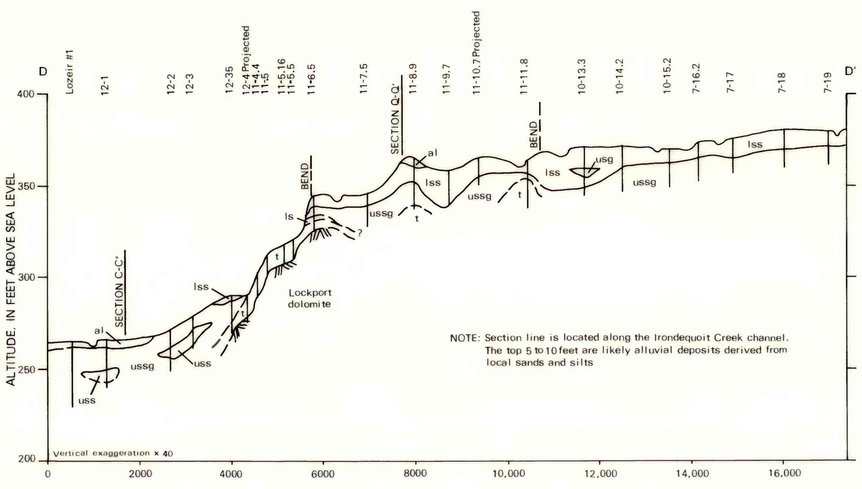
EXPLANATION

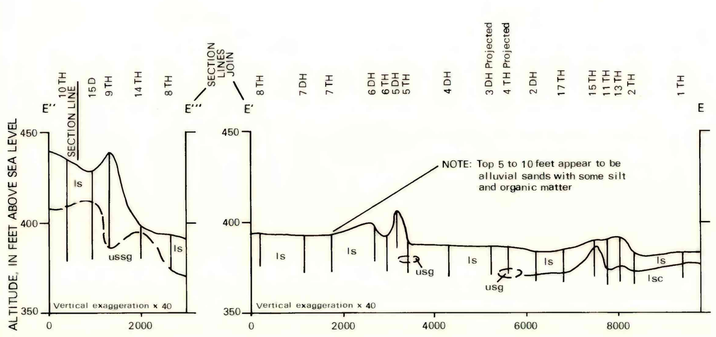
- al — ALLUVIAL SILT, SAND AND GRAVEL--stream deposits of postglacial age; generally high permeability.
- alss — ALLUVIAL SANDS AND SILTS--with minor to a trace of gravel; stream deposits of postglacial origin, deposits are mainly reworked proglacial lake sediments, low to moderate permeablity.
- oss — PEAT, MUCK, MARL AND CLAY--bog deposits of postglacial age; low permeability.
- lsc — LAKE CLAY AND SILT--offshore deposits in proglacial or postglacial lakes; low permeability.
- lss — LAKE SILT AND FINE SAND--offshore deposits in proglacial and postglacial lakes, moderate permeability.
- ls — LAKE SAND--fine to medium; beaches, bars and deltas of proglacial and postglacial lake plains; well-sorted; high permeability.
- ksg — KAME SAND AND GRAVEL--ice-margin deposits in proglacial lakes, including kames and eskers; stratified and well-sorted; high permeability.
- t — ABLATION AND/OR LODGMENT TILL--mixture of clay, silt, sand and boulders deposited from superglacial or englacial drift laid down after ice melted or deposited beneath advancing glacier; permeability generally low.
- usg — UNDIFFERENTIATED SANDS AND GRAVELS--varying compactness, possibly ablation till, kame, or alluvial in origin; permeability is typically high but may be restricted in highly compact areas.
- ussg — UNDIFFERENTIATED SILT, SAND, AND GRAVEL--well logs indicate unit is probably ablation till or kame deposits, moderate permeablity.
- BEDROCK--sandstones, shales and dolomite, type is noted on some wells.
- GEOLOGIC CONTACT--dashed where uncertain.
- BOULDERS--indicates a till origin of materials.
- B4 — WELL OR TEST HOLE--Most numbers correspond to test-hole identification used for engineering and construction information.

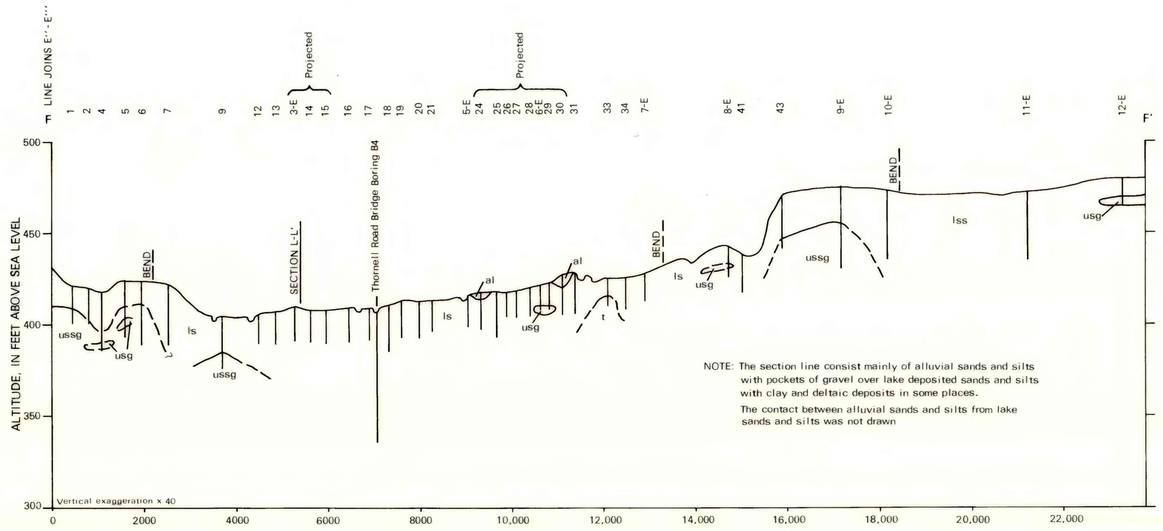


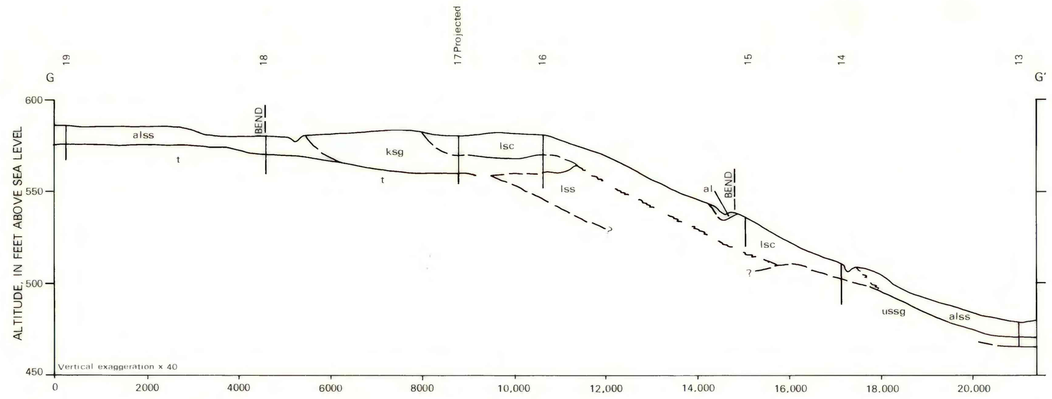


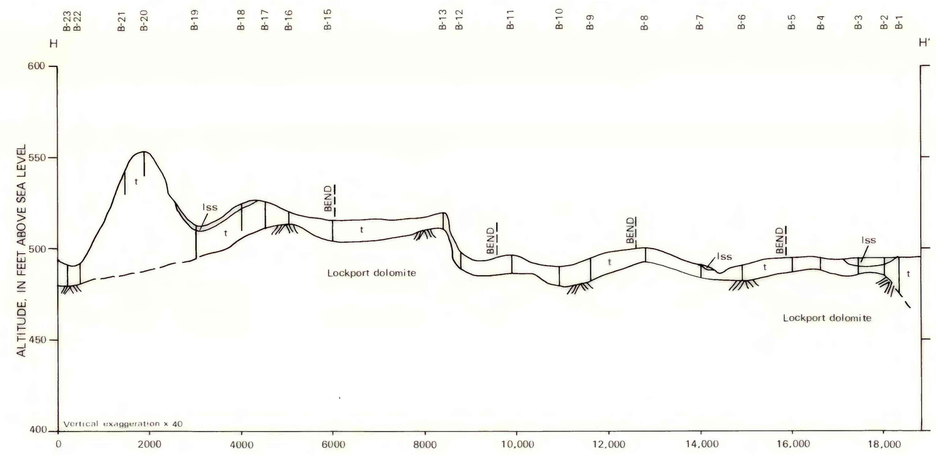












GEOHYDROLOGY OF THE IRONDEQUOIT CREEK BASIN NEAR ROCHESTER, NEW YORK

GEOLOGIC SECTIONS

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