DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
NEW YORK STATE DEPARTMENT OF HEALTH

OPEN-FILE REPORT 82-81
(SHEET 2 OF 6)

GEOLOGIC SECTIONS

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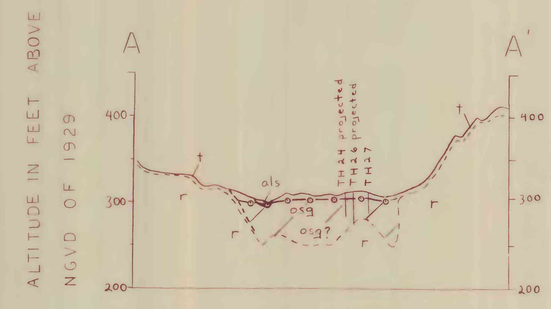

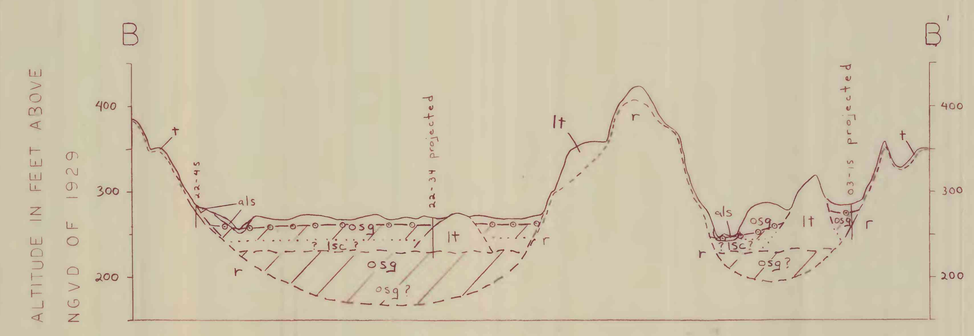

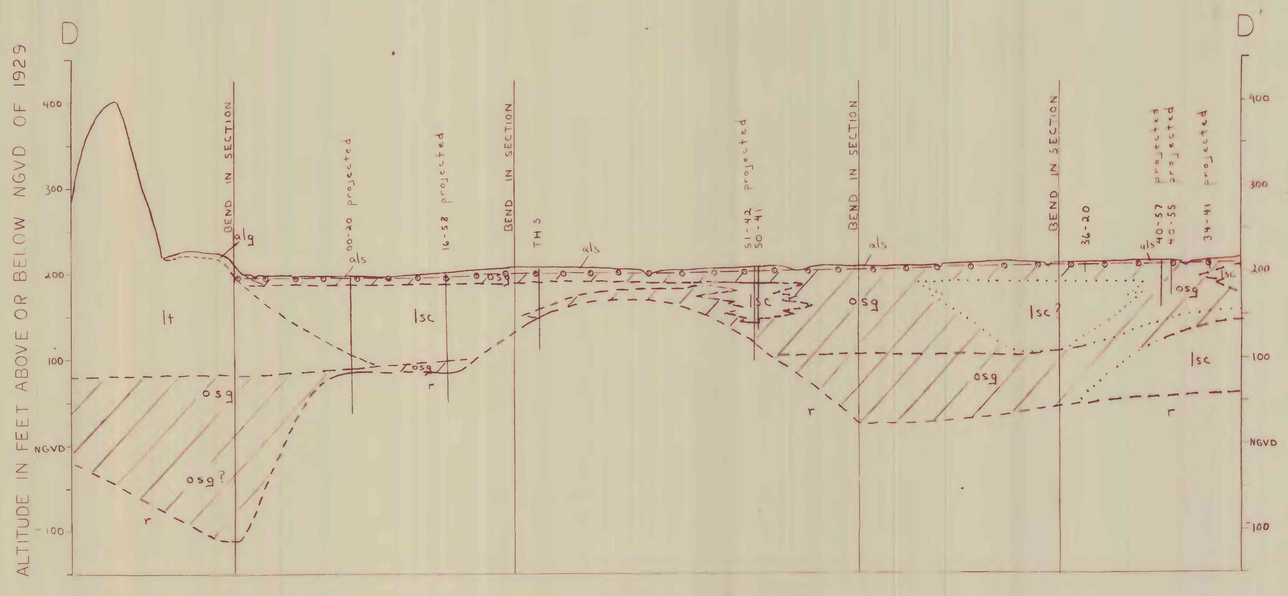

EXPLANATION

QUATERNARY

- **als** — Alluvial silt and sand; flood plain, swamp, and bog deposits; low permeability where silty, moderate permeability where sandy
- **alg** — Alluvial sand and gravel; alluvial-fan deposits; high permeability
- **lsc** — Lacustrine silt and some clay; glacial-lake deposits; low permeability
- **osg** — Outwash sand and gravel; coarse outwash in the north, grading to fine to the south; high permeability
- **icg** — Ice-contact sand and gravel, some silt; kames, kame terraces, eskers and kame deltas; high permeability
- **lt** — Lodgement till; thick deposits of lodgement till; low permeability
- **t** — Till, undifferentiated; generally thinner than 10 feet with occasional bedrock exposures; low permeability where clayey, moderate permeability where sandy
- **r** — Bedrock, undifferentiated; generally low permeability (fractured bedrock can be more permeable, especially carbonate bedrock where permeability is highly variable, depending upon extent of fracturing)

GEOLOGIC CONTACT--dashed where approximately located - dotted where the existence of a geologic unit is inferred

PRINCIPAL AQUIFER

WATER TABLE--approximately coincides with contact between geologic units als and osg in section D-D'

WELL--with seconds of latitude - longitude (example, 53-41) or local test hole number (example, TH5)

National Geodetic Vertical Datum of 1929

Vertical exaggeration X 20

0 1000 2000 4000 6000 feet

0 500 1000 1500 meters

Horizontal Scale

Locations of sections shown on sheet 1, "Surficial Geology" and sheet 4, "Preliminary Aquifer Thickness."

REFERENCES CITED

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Snavely, D. S., 1980, Ground-water appraisal of the Fishkill-Beacon area, Dutchess County, New York: U.S. Geological Survey, Water Resources Investigation Open File Report 80-437, 14 p.

GEOHYDROLOGY OF THE VALLEY-FILL AQUIFER IN THE SPROUT AND FISHKILL CREEKS AREA, DUTCHESS COUNTY, NEW YORK

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