DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT 86-507

LITHOLOGIC SECTIONS FROM THE NEW LONDON AREA, SOUTHEASTERN CONNECTICUT

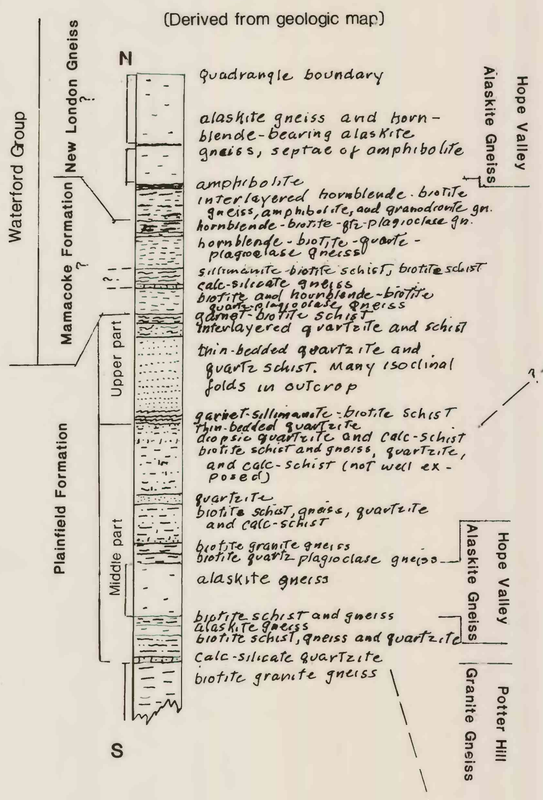
IV

Salem Airport - Forsyth Hill

Montville quadrangle

1:12,000

(Derived from geologic map)

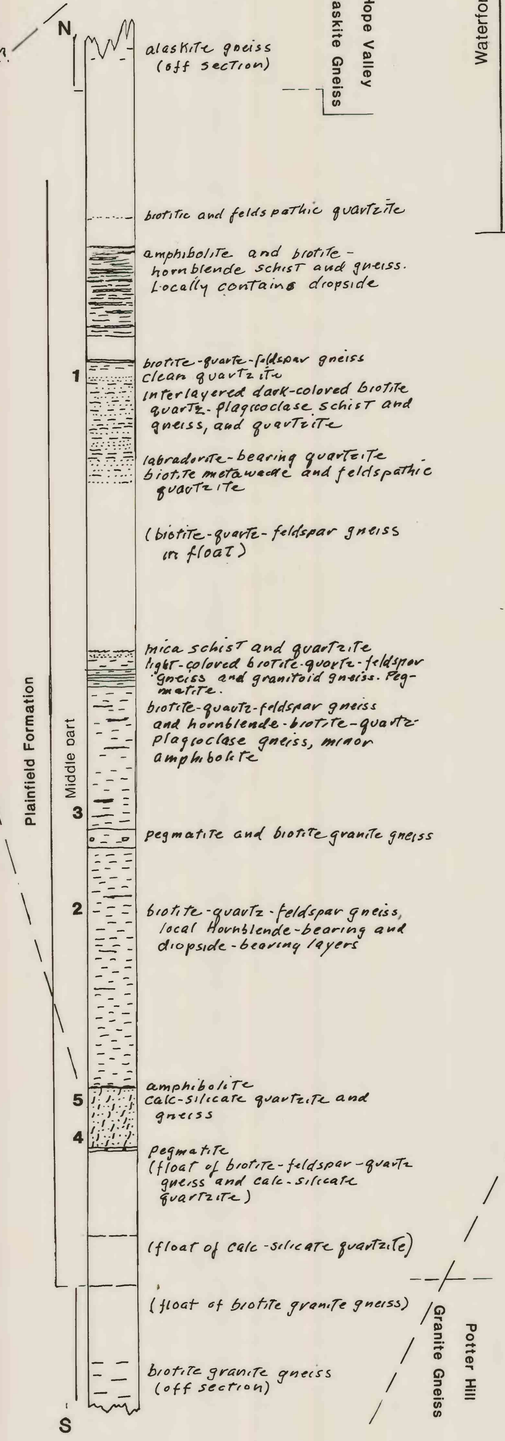


II

Connecticut Turnpike, Cochegan Rock

Uncasville quadrangle

1:2,400

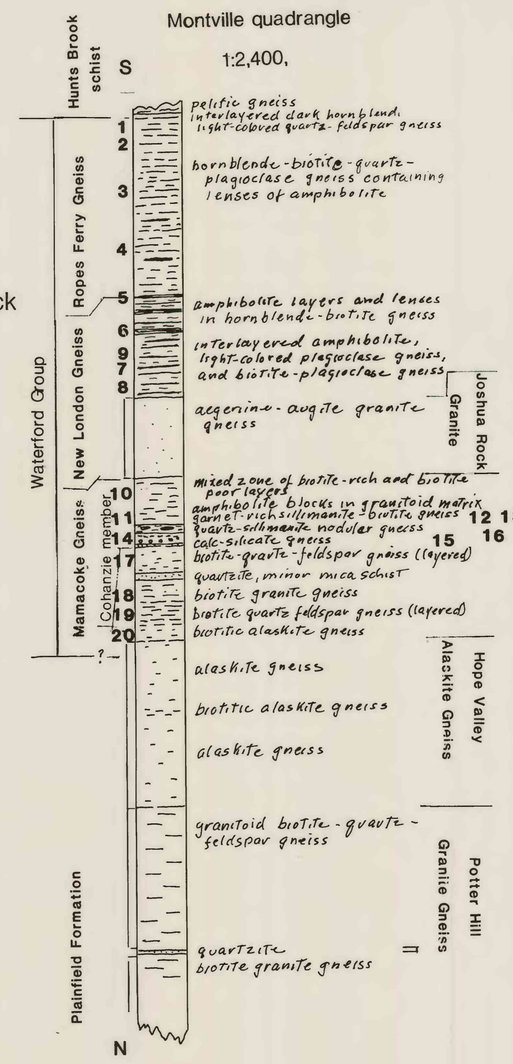


I

Bogue Brook Reservoir

Montville quadrangle

1:2,400,



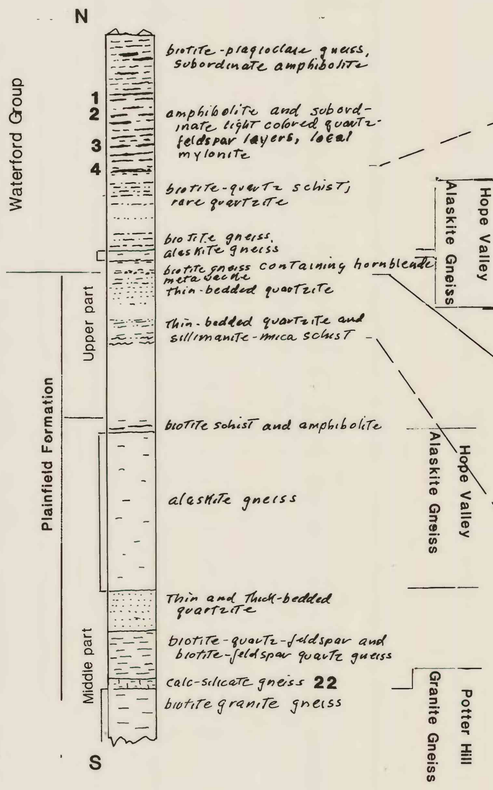
V

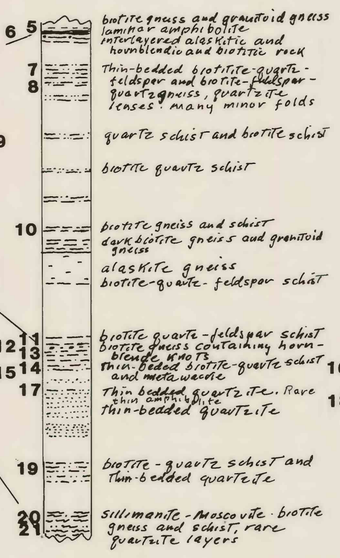
Wyassup Lake

Old Mystic quadrangle

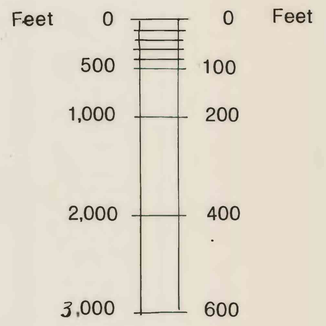
1,12,000

(Derived from geologic map)





SCALE

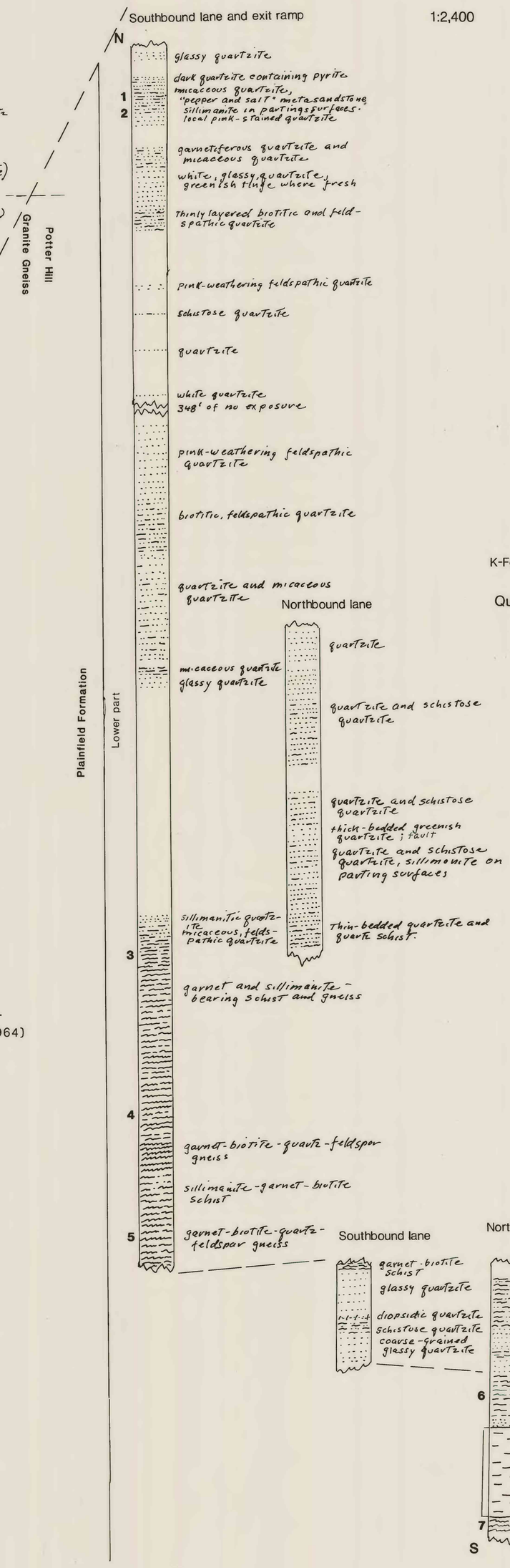


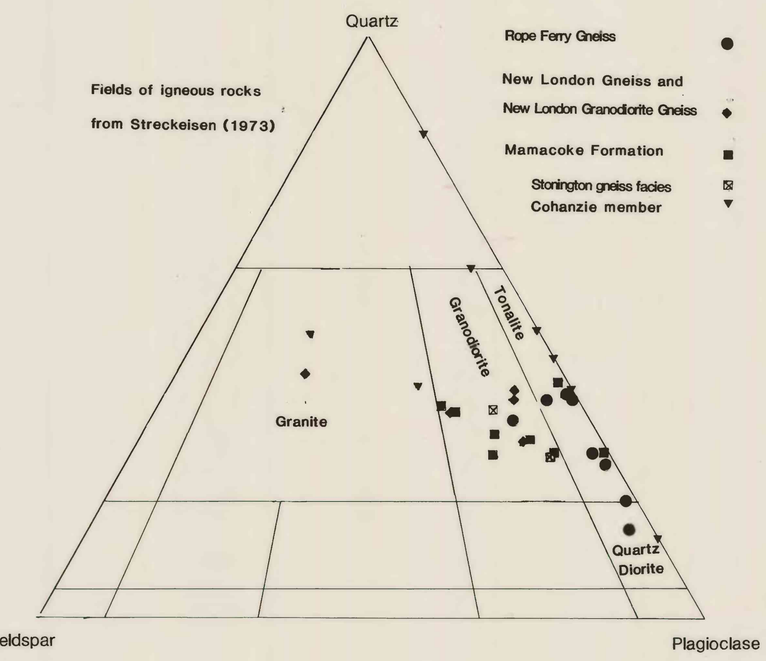
III

Connecticut turnpike, Uncasville

Uncasville quadrangle

1:2,400



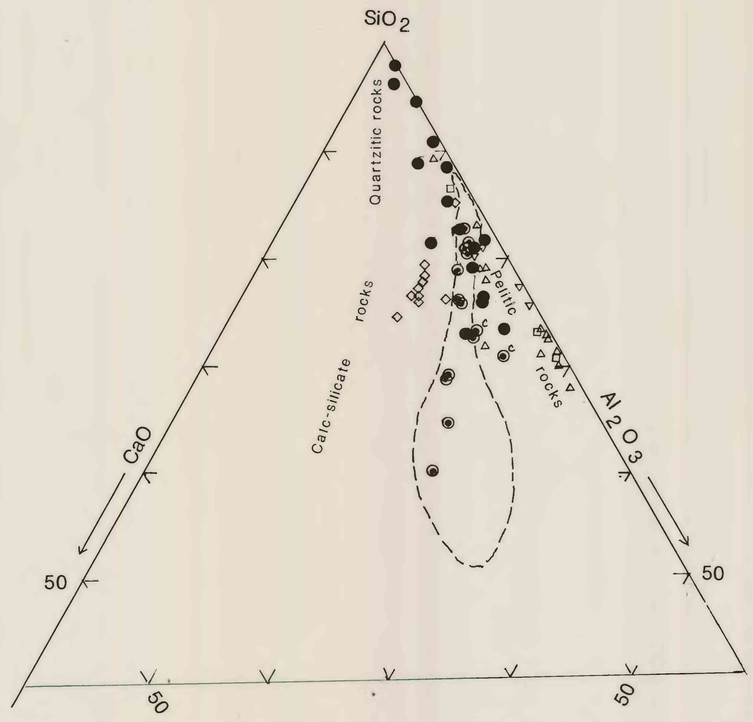


Quartz-Plagioclase-K-Feldspar diagram of modes of rocks of the Waterford Group, including granitoid phases, but excluding amphibolite

References

Snyder, G. L., 1964, Petrochemistry and bedrock geology of the Fitchville quadrangle, Connecticut: U.S. Geological Survey Bulletin 1161-I, 63 p.

Streckeisen, A. W., 1973, Plutonic rocks: Classification and nomenclature recommended by the IUGS Subcommission on the systematics of igneous rocks: Geotimes, v. 18, no. 10, p 26-30



SiO_2 - CaO - Al_2O_3 ternary plot of chemically analyzed rocks of the Plainfield Formation and Waterford Group compared with metasedimentary rocks elsewhere in eastern Connecticut. Derived from unpublished data of H. R. Dixon, Richard Goldsmith, G. L. Snyder, and Snyder (1964)

Plainfield Formation ●
Waterford Group ◉
Cohanzie member of the Mamacoke Formation ◉c
Tatnic Hill Formation △
Collins Hill Formation ▽
Hebron Formation ◇
Scotland Schist □

Field of igneous and meta-igneous rocks, eastern Connecticut

PLATE I

Sections derived by pace and compass traverse except where indicated.

Thickness corrected for dip of layers.

Numbers refer to sample numbers in accompanying tables

RICHARD GOLDSMITH 1986

Data gathered 1956-1957, 1973

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature