PLATE I GEOLOGICAL MAP

EXPLANATION

UNITS

CRET.(?)

D — DIKE

ORDOVICIAN

9b — PAWLET SLATE & WACKE
9a — FOX RD WACKE & SLATE MBR
STODDARD RD SLATE MBR

8 — MT MERINO CHERT & SLATE

7 — INDIAN RIVER SLATE (w/ chert)

6b — POULTNEY SLATE
CROSSROAD SLATE MBR (w/ ribbon quartzite, conglomerate, chert)
6a — DUNBAR SLATE & LIMESTONE MBR

CAMBRIAN

5b — HATCH HILL QUARTZITE & SLATE
5a — WEST CASTLETON SLATE & LIMESTONE

4 — METTAWEE SLATE (w/ conglomerate)

3 — BROWNS POND SLATE (w/ limestone, quartzite, wacke, conglomerate)

CAMBRIAN(?)

2 — TRUTHVILLE SLATE

1 — BOMOSEEN WACKE & SLATE (w/ quartzite)

SYMBOLS

- OBSERVED OUTCROP
- SCATTERED OUTCROP OR SIGNIFICANT FLOAT
- QUARRY
- OBSERVED CONTACT
- APPROXIMATE CONTACT
- INFERRED CONTACT
- OBSERVED FAULT
- APPROXIMATE FAULT
- INFERRED THRUST FAULT
- BEDDING: INCLINED, VERTICAL, HORIZONTAL
- FIRST CLEAVAGE: INCLINED, VERTICAL, HORIZONTAL
- BEDDING PARALLEL TO CLEAVAGE: INCLINED, VERTICAL, HORIZONTAL
- SECOND CLEAVAGE: INCLINED, VERTICAL, HORIZONTAL
- f_1 FIRST FOLD
- f_2 SECOND FOLD
- l_1 FIRST LINEATION
- l_2 SECOND LINEATION

- q — THICK QUARTZITE
- c — CHERT BANDS
- w — WACKE
- l — LIMESTONE
- cb — CONGLOMERATE OR BRECCIA

- A —— A' LOCATION OF CROSS SECTION (PLATE II)
- ① LOCATION OF COLUMN (PLATE III)
- SWAMP

SCALE: APPROXIMATELY 1/12000

0 1/4 1/2 3/4 1 MILE

0 1/4 1/2 3/4 1 KILOMETER

THIS MAP WAS COMPILED FROM N.Y.S. AIR PHOTOS 022, 023, 024, 073, 075, 090, 091, & 092. EDGES WERE ADJUSTED TO FIT, AND THE SCALE IS VARIABLE.

73°17'20"

43°30'

N

EAST WHITEHALL

County Rte 18

HAMPTON

DUNBAR POND

HILLS POND

CRYSTAL LAKE

MELVIN POND

BROWNS POND

RYAN POND

Crossroad

Holcombville Rd

Truthville Rd

Quiver Hill Rd

RACEVILLE

NORTH BEND

METTAWEE RIVER

NORTH GRANVILLE

TRUTHVILLE

GILLESPIE POND

MIDDLE GRANVILLE

Stoddard Rd

Fox Rd

N.Y.S. Rte 22A

N.Y.S. Rte 22

E — E'

D — D'

C — C'

B — B'

A — A'

ALLOCHTHON BOUNDARY AFTER THEOKRITOFF (1964)