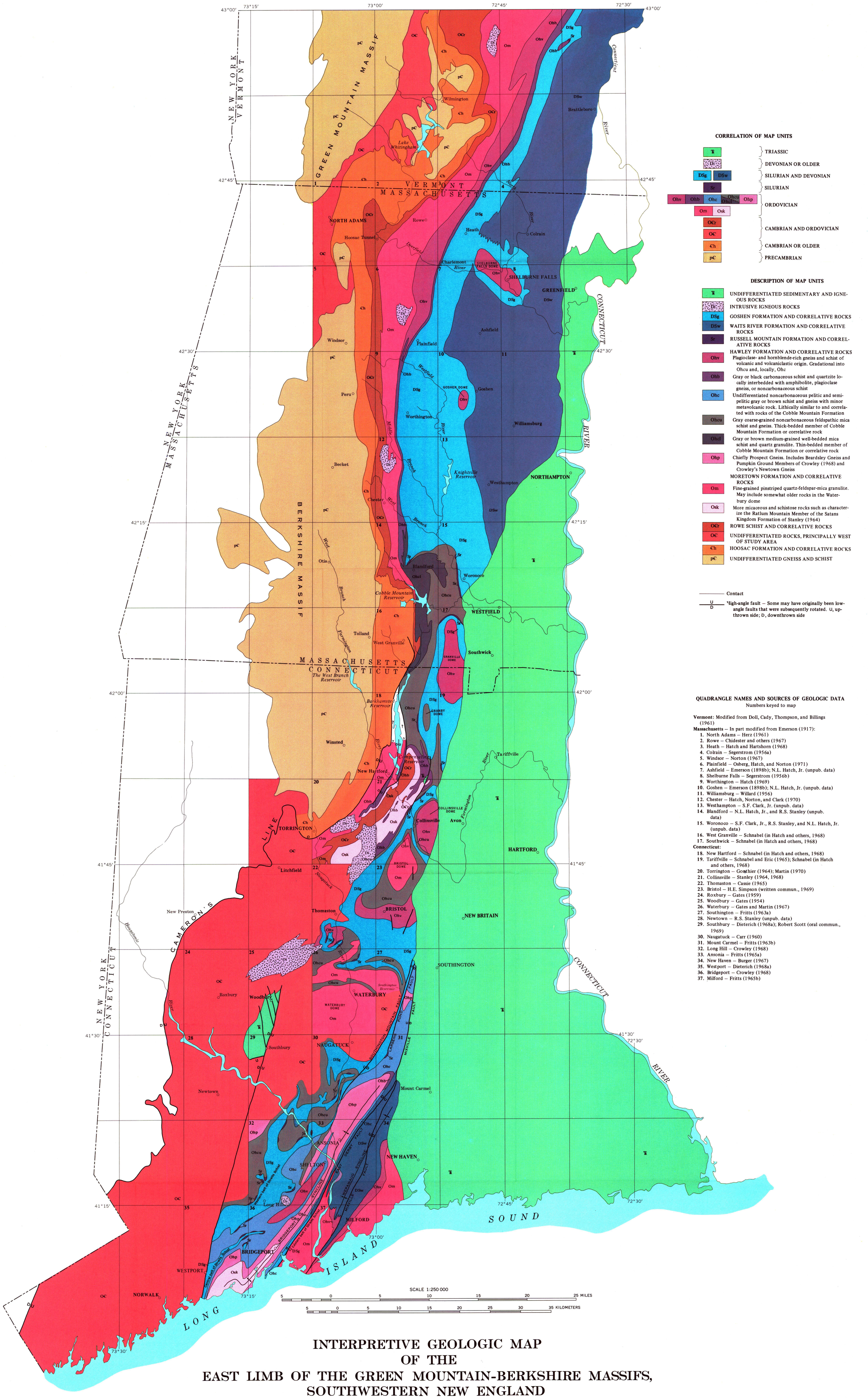

CORRELATION OF MAP UNITS

T	TRIASSIC
Di	DEVONIAN OR OLDER
DSg, DSw	SILURIAN AND DEVONIAN
Sr	SILURIAN
Ohv, Ohb, Ohc, Ohcu, Ohcl, Ohp	ORDOVICIAN
Om, Osk	
OCr	CAMBRIAN AND ORDOVICIAN
OC	
Ch	CAMBRIAN OR OLDER
pC	PRECAMBRIAN

DESCRIPTION OF MAP UNITS

T — UNDIFFERENTIATED SEDIMENTARY AND IGNEOUS ROCKS

Di — INTRUSIVE IGNEOUS ROCKS

DSg — GOSHEN FORMATION AND CORRELATIVE ROCKS

DSw — WAITS RIVER FORMATION AND CORRELATIVE ROCKS

Sr — RUSSELL MOUNTAIN FORMATION AND CORRELATIVE ROCKS

Ohv — HAWLEY FORMATION AND CORRELATIVE ROCKS
Plagioclase- and hornblende-rich gneiss and schist of volcanic and volcaniclastic origin. Gradational into Ohcu and, locally, Ohc

Ohb — Gray or black carbonaceous schist and quartzite locally interbedded with amphibolite, plagioclase gneiss, or noncarbonaceous schist

Ohc — Undifferentiated noncarbonaceous pelitic and semipelitic gray or brown schist and gneiss with minor metavolcanic rock. Lithically similar to and correlated with rocks of the Cobble Mountain Formation

Ohcu — Gray coarse-grained noncarbonaceous feldspathic mica schist and gneiss. Thick-bedded member of Cobble Mountain Formation or correlative rock

Ohcl — Gray or brown medium-grained well-bedded mica schist and quartz granulite. Thin-bedded member of Cobble Mountain Formation or correlative rock

Ohp — Chiefly Prospect Gneiss. Includes Beardsley Gneiss and Pumpkin Ground Members of Crowley (1968) and Crowley's Newtown Gneiss

MORETOWN FORMATION AND CORRELATIVE ROCKS

Om — Fine-grained pinstriped quartz-feldspar-mica granulite. May include somewhat older rocks in the Waterbury dome

Osk — More micaceous and schistose rocks such as characterize the Ratlum Mountain Member of the Satans Kingdom Formation of Stanley (1964)

OCr — ROWE SCHIST AND CORRELATIVE ROCKS

OC — UNDIFFERENTIATED ROCKS, PRINCIPALLY WEST OF STUDY AREA

Ch — HOOSAC FORMATION AND CORRELATIVE ROCKS

pC — UNDIFFERENTIATED GNEISS AND SCHIST

Contact

U / D — High-angle fault — Some may have originally been low-angle faults that were subsequently rotated. U, upthrown side; D, downthrown side

QUADRANGLE NAMES AND SOURCES OF GEOLOGIC DATA

Numbers keyed to map

Vermont: Modified from Doll, Cady, Thompson, and Billings (1961)

Massachusetts — In part modified from Emerson (1917):

1. North Adams — Herz (1961)
2. Rowe — Chidester and others (1967)
3. Heath — Hatch and Hartshorn (1968)
4. Colrain — Segerstrom (1956a)
5. Windsor — Norton (1967)
6. Plainfield — Osberg, Hatch, and Norton (1971)
7. Ashfield — Emerson (1898b); N.L. Hatch, Jr. (unpub. data)
8. Shelburne Falls — Segerstrom (1956b)
9. Worthington — Hatch (1969)
10. Goshen — Emerson (1898b); N.L. Hatch, Jr. (unpub. data)
11. Williamsburg — Willard (1956)
12. Chester — Hatch, Norton, and Clark (1970)
13. Westhampton — S.F. Clark, Jr. (unpub. data)
14. Blandford — N.L. Hatch, Jr., and R.S. Stanley (unpub. data)
15. Woronoco — S.F. Clark, Jr., R.S. Stanley, and N.L. Hatch, Jr. (unpub. data)
16. West Granville — Schnabel (in Hatch and others, 1968)
17. Southwick — Schnabel (in Hatch and others, 1968)

Connecticut:

18. New Hartford — Schnabel (in Hatch and others, 1968)
19. Tariffville — Schnabel and Eric (1965); Schnabel (in Hatch and others, 1968)
20. Torrington — Gonthier (1964); Martin (1970)
21. Collinsville — Stanley (1964, 1968)
22. Thomaston — Cassie (1965)
23. Bristol — H.E. Simpson (written commun., 1969)
24. Roxbury — Gates (1959)
25. Woodbury — Gates (1954)
26. Waterbury — Gates and Martin (1967)
27. Southington — Fritts (1963a)
28. Newtown — R.S. Stanley (unpub. data)
29. Southbury — Dieterich (1968a); Robert Scott (oral commun., 1969)
30. Naugatuck — Carr (1960)
31. Mount Carmel — Fritts (1963b)
32. Long Hill — Crowley (1968)
33. Ansonia — Fritts (1965a)
34. New Haven — Burger (1967)
35. Westport — Dieterich (1968a)
36. Bridgeport — Crowley (1968)
37. Milford — Fritts (1965b)

INTERPRETIVE GEOLOGIC MAP OF THE EAST LIMB OF THE GREEN MOUNTAIN-BERKSHIRE MASSIFS, SOUTHWESTERN NEW ENGLAND

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