GEOLOGIC MAP
SOUTHEAST PORTION
of the
AVERILL QUADRANGLE
NEW HAMPSHIRE - VERMONT

71° 45' 44° 55'

71° 30' 44° 55'

LEGEND

LATE TRIASSIC

a — Alluvium

IGNEOUS ROCKS

Dikes, undifferentiated

cg — Conway Granite

Pink, coarse-grained granite composed of microperthite, quartz, plagioclase and biotite

cgp — granite porphyry

cgg — granodiorite

qs — Quartz syenite

Flesh-colored, medium-grained quartz syenite composed of microperthite, plagioclase, hastingsite, quartz and biotite

sy — Syenite

Gray, honey-brown, to blue-green, medium- to coarse-grained syenite composed of microperthite, plagioclase, biotite, amphibole and pyroxene

syp — sub-porphyritic phase

di — Diorite

Gray to orangish, fine- to coarse-grained diorite extensively altered and cut by granite. Uncontaminated diorite is composed of plagioclase, biotite, amphibole, minor quartz and pyroxene

LOWER DEVONIAN (?)

METAMORPHIC ROCKS

Dg — Gile Mountain Formation

Gray, fine-grained schists, schistose quartzites and phyllites, with ptygmatic quartz veins, mostly composed of quartz, plagioclase, k-feldspar, micas, and epidote

Dga — Amphibolite

Dark medium-grained hornblende schist composed of hornblende, quartz, plagioclase, biotite, epidote and calcite

CONTACTS

Observed contact

Inferred contact

STRUCTURAL SYMBOLS

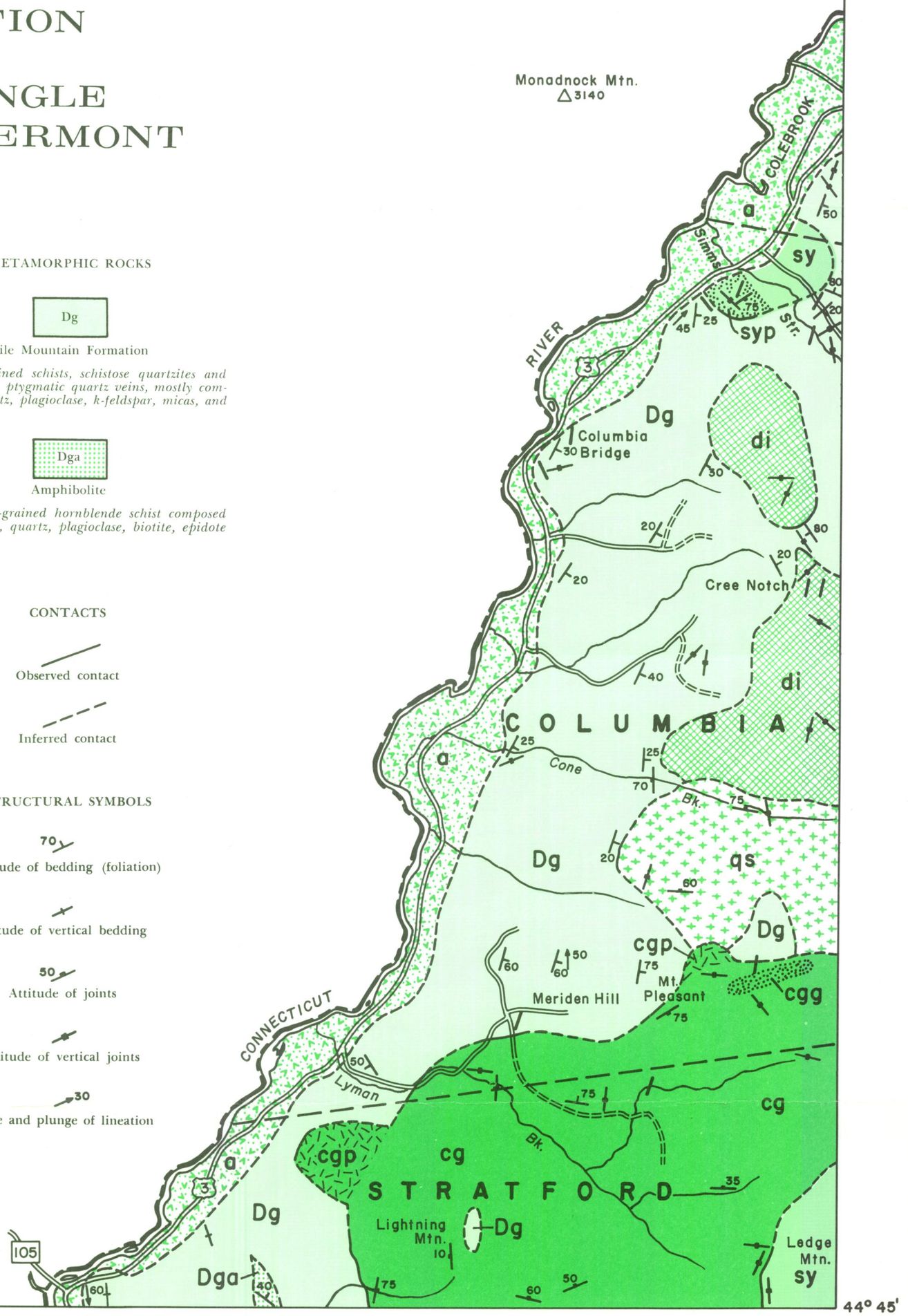
70 — Attitude of bedding (foliation)

Attitude of vertical bedding

50 — Attitude of joints

Attitude of vertical joints

30 — Strike and plunge of lineation



Design and drafting of map by Graphic Arts Section, Department of Resources and Economic Development

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17° MAGNETIC NORTH — TRUE NORTH
APPROXIMATE MEAN DECLINATION, 1926

SCALE 1:62500

1 ½ 0 1 2 3 4 MILES

3000 0 3000 6000 9000 12000 15000 18000 21000 FEET

1 .5 0 1 2 3 4 5 KILOMETERS

Geology by Charles Moore Swift, Jr.

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