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WRi
no. 77-120

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH STATE OF VERMONT
AGENCY OF ENVIRONMENTAL CONSERVATION
DEPARTMENT OF WATER RESOURCES

WATER-RESOURCES INVESTIGATIONS 77-120
PLATE I

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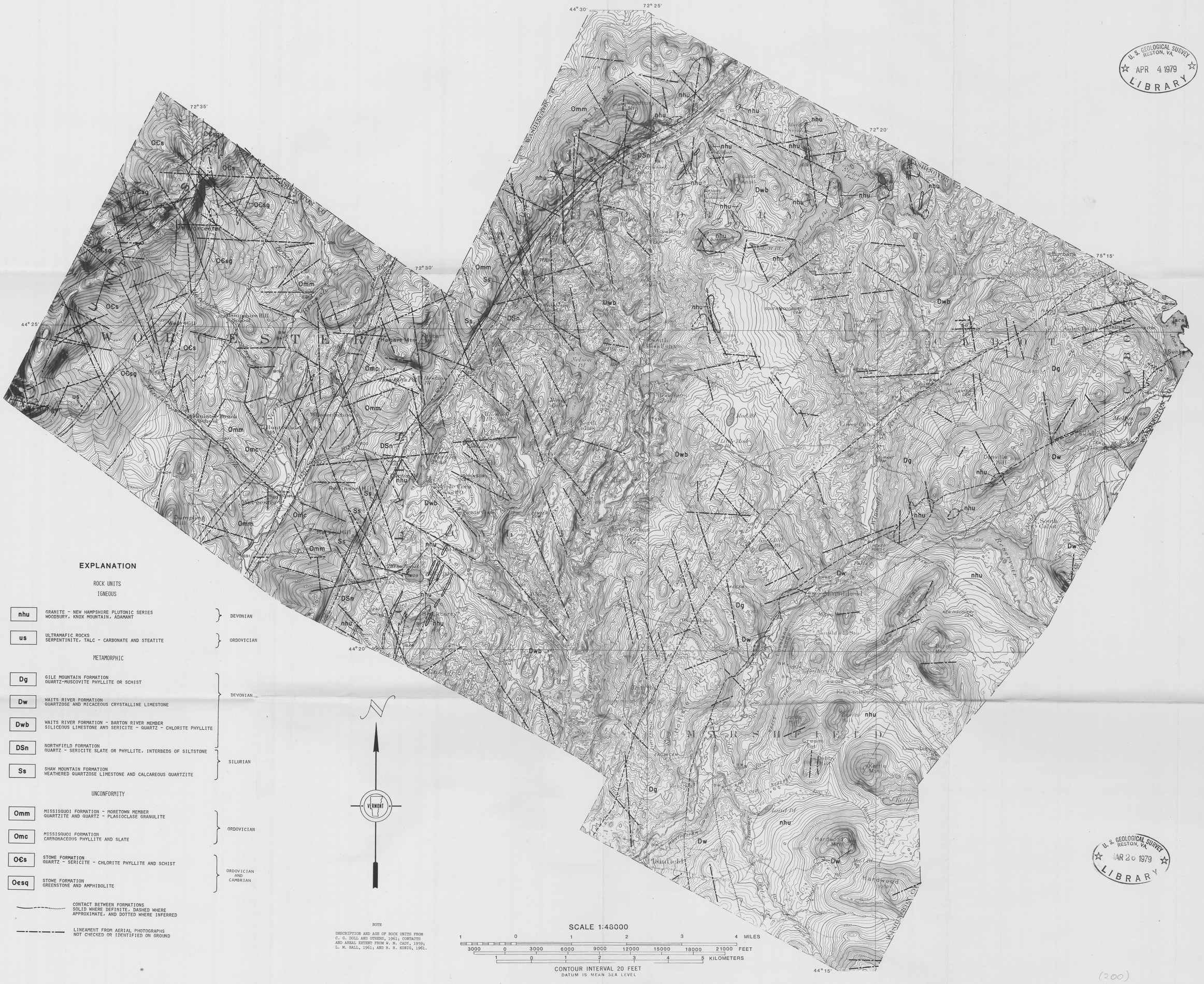

EXPLANATION

ROCK UNITS

IGNEOUS

nhu	GRANITE - NEW HAMPSHIRE PLUTONIC SERIES WOODBURY, KNOX MOUNTAIN, ADAMANT	DEVONIAN
us	ULTRAMAFIC ROCKS SERPENTINITE, TALC - CARBONATE AND STEATITE	ORDOVICIAN

METAMORPHIC

Dg	GILE MOUNTAIN FORMATION QUARTZ-MUSCOVITE PHYLLITE OR SCHIST	DEVONIAN
Dw	WAITS RIVER FORMATION QUARTZOSE AND MICACEOUS CRYSTALLINE LIMESTONE	DEVONIAN
Dwb	WAITS RIVER FORMATION - BARTON RIVER MEMBER SILICEOUS LIMESTONE AND SERICITE - QUARTZ - CHLORITE PHYLLITE	DEVONIAN
DSn	NORTHFIELD FORMATION QUARTZ - SERICITE SLATE OR PHYLLITE, INTERBEDS OF SILTSTONE	SILURIAN
Ss	SHAW MOUNTAIN FORMATION WEATHERED QUARTZOSE LIMESTONE AND CALCAREOUS QUARTZITE	SILURIAN

UNCONFORMITY

Omm	MISSISQUOI FORMATION - MORETOWN MEMBER QUARTZITE AND QUARTZ - PLAGIOCLASE GRANULITE	ORDOVICIAN
Omc	MISSISQUOI FORMATION CARBONACEOUS PHYLLITE AND SLATE	ORDOVICIAN
O€s	STOWE FORMATION QUARTZ - SERICITE - CHLORITE PHYLLITE AND SCHIST	ORDOVICIAN AND CAMBRIAN
O€sq	STOWE FORMATION GREENSTONE AND AMPHIBOLITE	ORDOVICIAN AND CAMBRIAN

CONTACT BETWEEN FORMATIONS
SOLID WHERE DEFINITE, DASHED WHERE APPROXIMATE, AND DOTTED WHERE INFERRED

LINEAMENT FROM AERIAL PHOTOGRAPHS
NOT CHECKED OR IDENTIFIED ON GROUND

N

VERMONT

NOTE

DESCRIPTION AND AGE OF ROCK UNITS FROM C. G. DOLL AND OTHERS, 1961; CONTACTS AND AREAL EXTENT FROM W. M. CADY, 1959; L. M. HALL, 1961; AND R. H. KONIG, 1961.

SCALE 1:48000

1 0 1 2 3 4 MILES

3000 0 3000 6000 9000 12000 15000 18000 21000 FEET

1 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

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BASE ADAPTED FROM U.S. GEOLOGICAL SURVEY
TOPOGRAPHIC QUADRANGLE MAPS

BEDROCK GEOLOGY, UPPER WINOOSKI RIVER BASIN, VERMONT

1977

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