

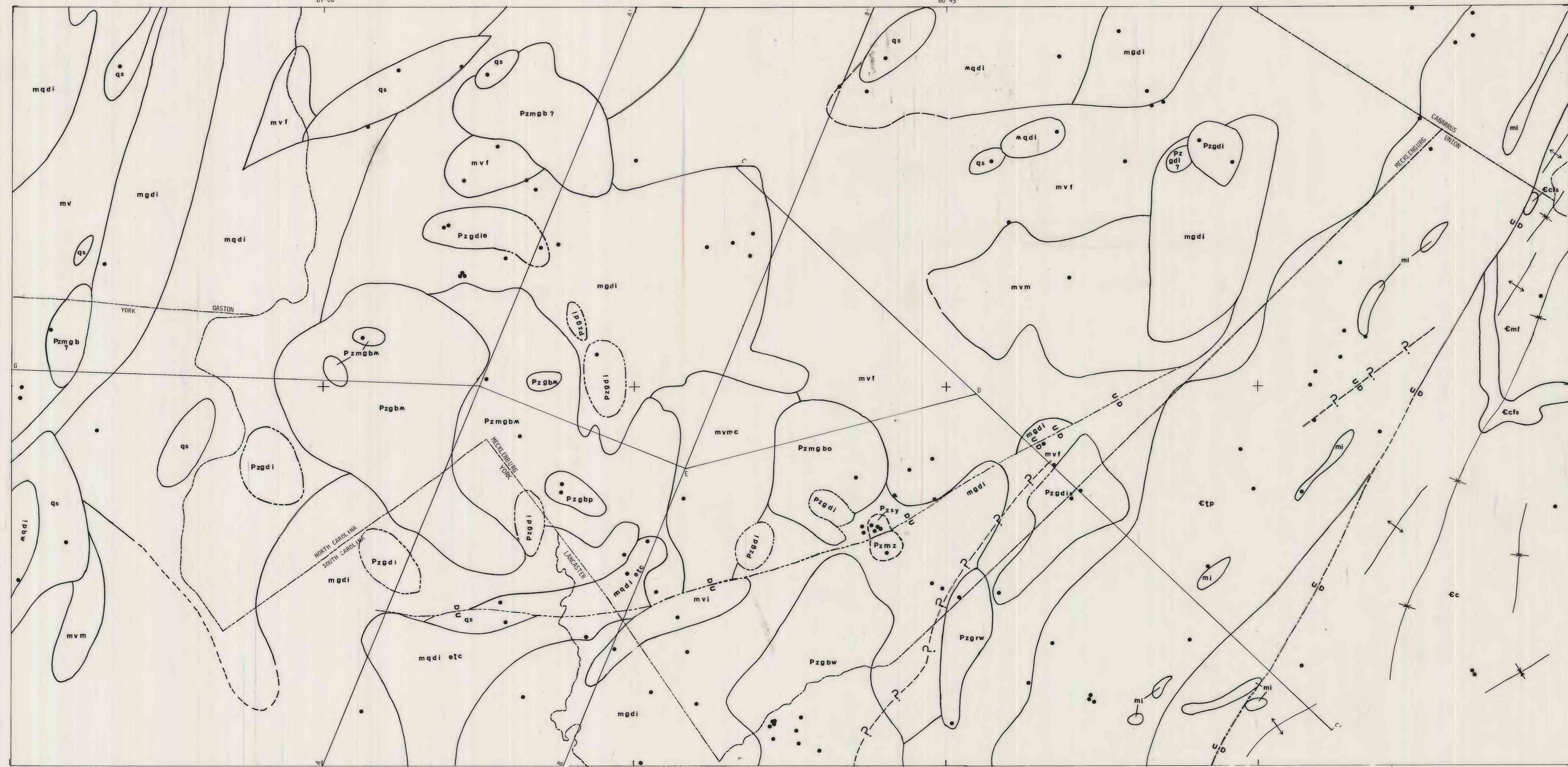
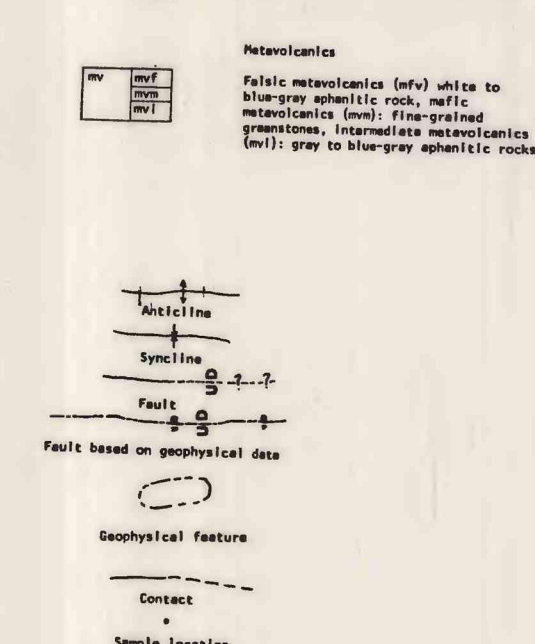
PLATE 1

MAP UNITS AND LEGEND FOR
THE GEOLOGIC MAP OF SOUTHERN MECKLENBURG COUNTY AND VICINITY

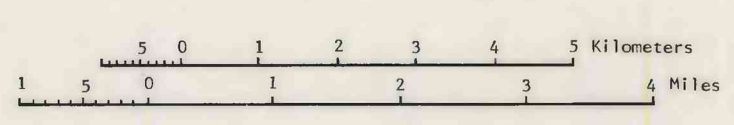
CHARLOTTE BELT

Supergroup	Units	Descriptions	Stratified	Units	Descriptions
LANCIS	Pzgm	Weddington granite: coarse-grained to porphyritic to porphyritic brown granite			
	Pzgd1	Eagle Lake and Stallings granodiorite: fine to medium-grained, at four localities in the Charlotte Belt, gray granodiorite, 70 to 75 m.y. old			
	Pzgv	Providence Church granite: medium-grained light brown granite			
	Pzgm	Providence Church monzonite: medium-grained pinkish-brown monzonite			
CONCORD-SALISBURY	Pzgb	Mecklenburg, Weddington, and Providence gabbro: gabbro, medium-grained, aphanitic, hypidiomorphic-crystalline to cumulate			
	Pzgd1	Mecklenburg, Old Providence hornblende gabbro: medium to coarse-grained gray to black quartz, HfTi Crk gabbro may be the same age			
	Pzgd1	Challis Lake mafic metavolcanics: mafic to ultramafic gray to black rock with abundant apatite			
	Pzgd1	Millington Formation: mafic to ultramafic gray to black rock with abundant apatite			

msf	Millington Formation
msf	Floyd Church Monzonite Member: mafic to ultramafic gray to black rock with abundant apatite
msf	Cid Formation
msf	Flo. Sand Member: mafic to ultramafic gray to black rock with abundant apatite
msf	Hudsonite Member: mafic to ultramafic gray to black rock with abundant apatite
msf	Tillery Formation
msf	Phyllite, phyllite, intermediate metavolcanics, and mafic intrusives

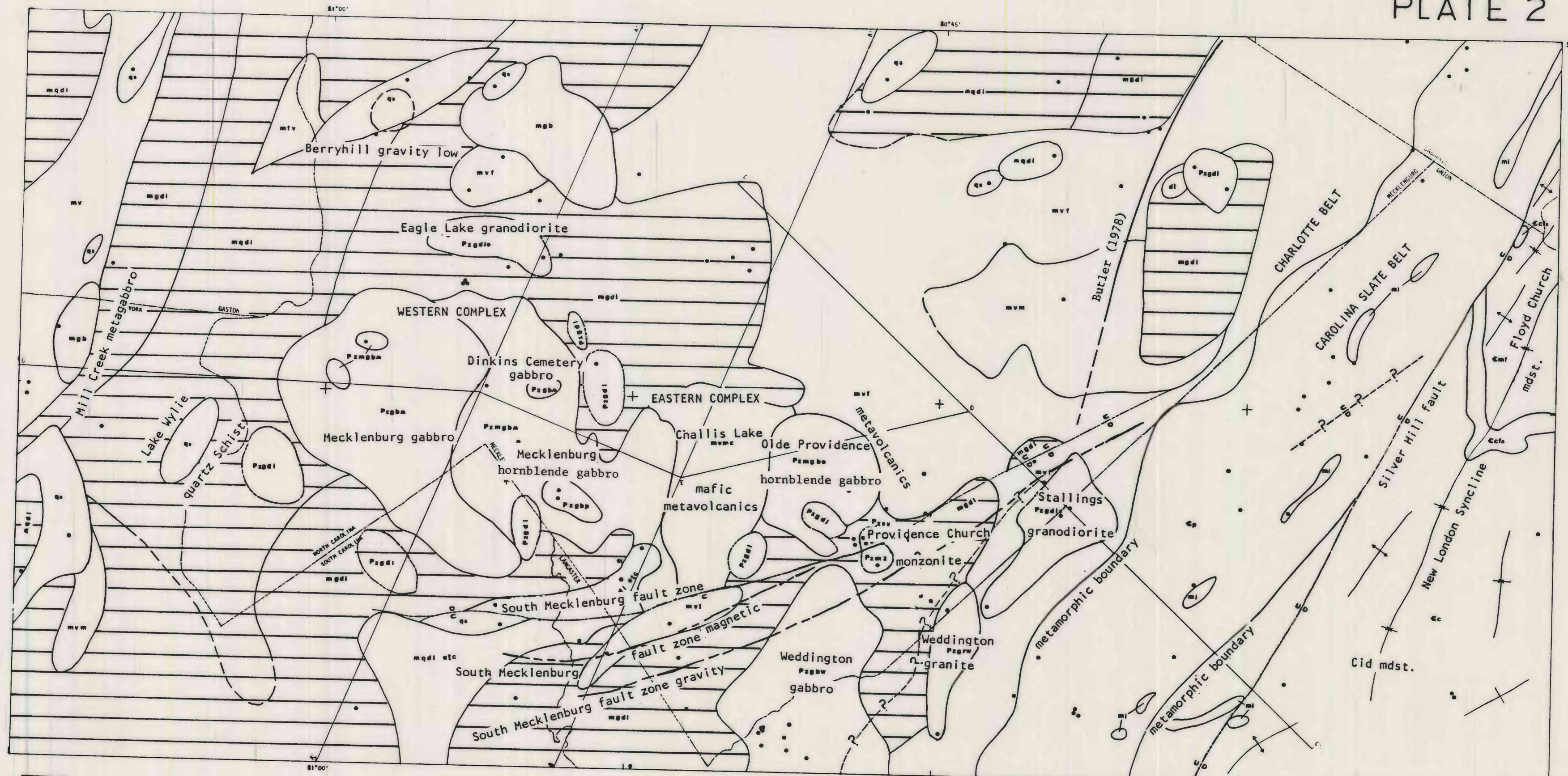


GEOLOGIC MAP OF SOUTHERN MECKLENBURG COUNTY AND VICINITY, N.C., S.C.



BY FREDERICK A. WILSON, 1980
(AFTER GOLDSMITH AND OTHERS, 1980)

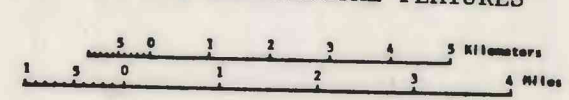
PLATE 2



Old Plutonic supergroup

Unit	Symbol
Old Plutonic supergroup	[Symbol]
Mecklenburg gabbro	[Symbol]
Weddington granite	[Symbol]
Providence Church granite	[Symbol]
Eagle Lake granodiorite	[Symbol]
Stallings granodiorite	[Symbol]
Providence Church monzonite	[Symbol]
Challis Lake mafic metavolcanics	[Symbol]
Millington Formation	[Symbol]
Floyd Church Monzonite Member	[Symbol]
Cid Formation	[Symbol]
Flo. Sand Member	[Symbol]
Hudsonite Member	[Symbol]
Tillery Formation	[Symbol]

GEOLOGIC MAP SHOWING THE LOCATION OF GEOLOGIC AND GEOPHYSICAL FEATURES



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NORTH CAROLINA AND SOUTH CAROLINA
BY
FREDERICK A. WILSON
1983

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.