

# VIRGINIA GEOLOGY EXPLANATION

WEST VIRGINIA: GREENBRIER AND POCAHONTAS CO. MAPS

DENNISON AND NUNAN FOR AMAX (1974)

VIRGINIA - BUTTS (1933)

PENNSYLVANIAN

- CK** KANAWHA GP (SS)
- CNR** NEW RIVER GP (SS)

MISSISSIPPIAN

- COL** BLUESTONE GP (SH)
- CPR** PRINCETON CONGLOMERATE (SS)
- CHN** HINTON GP (SH)
- CBF** BLUEFIELD GP (SH)
- CAR** GREENBRIER GP (LS)
- CICG** MACCRADY FM (SH)
- CPO** POCONO FM (SS)

DEVONIAN

- DCK** CATSKILL FM (SS)
- DCH** CHEMUNG FM (SS)
- DP** PORTAGE (DRALLIER FM - SILTSTONE & SH)
- DR** ROMNEY SH (MILLBORO FM - SH)
- DR** ROMNEY SH (MILLBORO FM)
- DO** ORISKANY SS
- DHL** HELDERBERG GP (LS & SS)

- DB** DRALLIER FM (SILTSTONE AND SH)
- DM** MILLBORO FM (SH)
- DN** NEEDMORE SH
- DO** ORISKANY SS

- DCK** CATSKILL FM (SS)
- DCH** CHEMUNG FM (SS)
- DB** DRALLIER FM (SILTSTONE & SH)
- DR** ROMNEY SH (MILLBORO FM)
- DCH** HELDERBERG GP (LS & SH)

SILURIAN

- SBD** BASSARDVILLE GP (TONOLOWAY FM - LS)
- SRD** ROUNDOUT GP (HILLS CREEK FM - SH)
- SNA** NIAGARA (McKENZIE FM - LS & SS)
- SCL** CLINTON FM (SS)
- SWH** WHITE MEDINA (TUSCARORA SS)
- SRM** RED MEDINA (JUNIATA FM - SS)

- SCH** HELDERBERG GP (LS & SS)
- ST** TONOLOWAY LS
- SWM** MCKENZIE FM (LS & SS)
- SCL** CLINTON FM (SS)
- Stc** TUSCARORA SS

- SCY** TONOLOWAY LS (ALSO INCLUDED, HILLS CREEK SS AND MCKENZIE FM)
- SCL** CLINTON FM (SS)
- Stc** TUSCARORA SS

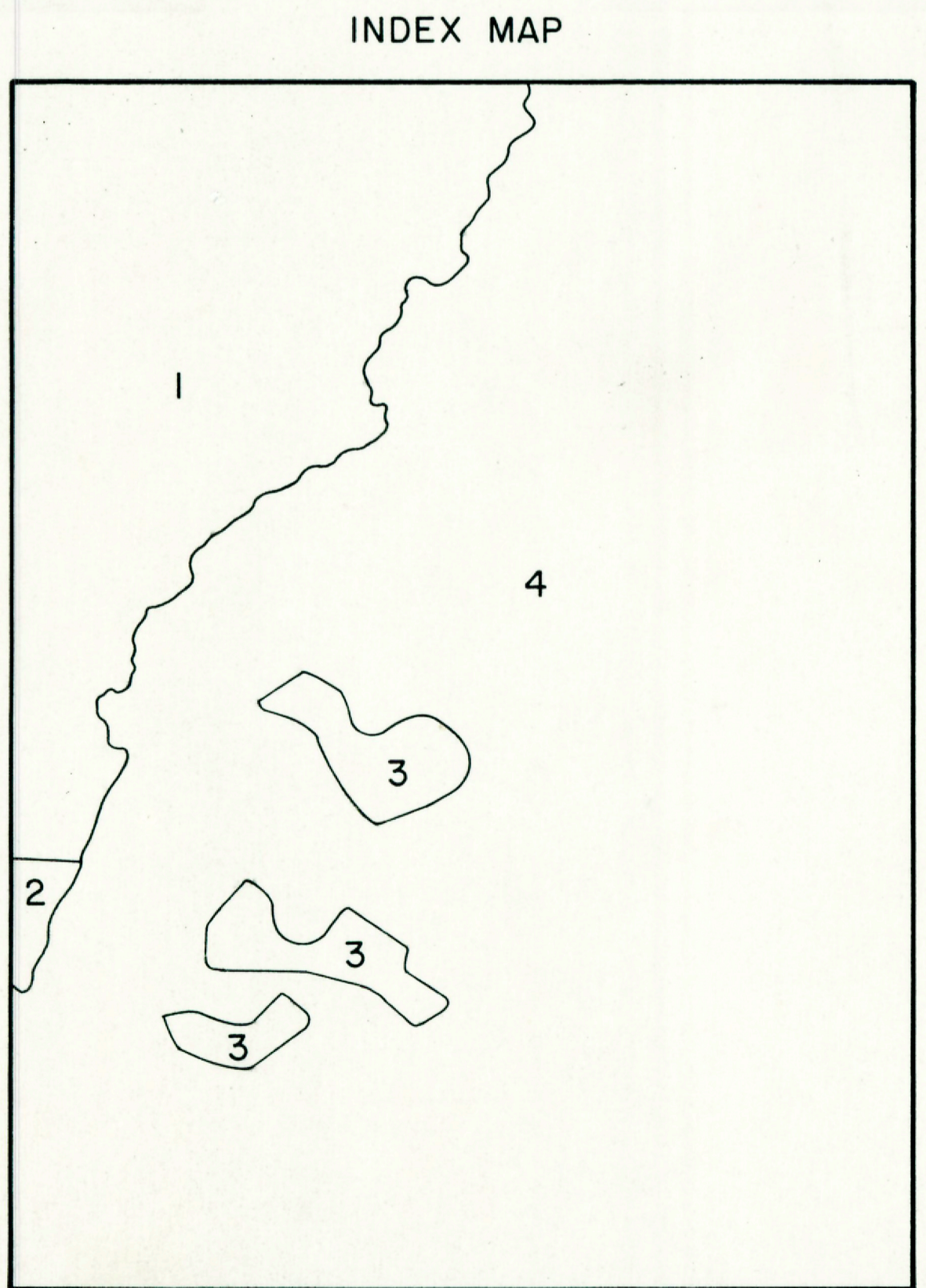
ORDOVICIAN

- OJ** JUNIATA FM (SS)
- OS** OSWEGO SS
- OHB** MARTINSBURG FM (SH)
- OE** EDINBURG FM (LS & SH)
- OLL** LINCOLNSHIRE LS & LURICH FM
- OB** KNOX DOLOMITE

- OHB** MARTINSBURG SH
- OL** CHAMBERSBURG LS
- OL** LOYVILLE LS
- OL** MCCASIN LS
- ED** EDINBURG FM
- OLM** LENOIR AND LOSHEIM LS
- OLSR** STONES RIVER LS
- LS** LINCOLNSHIRE LS AND LURICH FM
- CB** BEERMANTOWN DOLOMITE (KNOX DOLOMITE)

## GEOLOGIC MAP AND STRUCTURE SECTIONS OF THE WILLIAMSVILLE QUADRANGLE, VIRGINIA

Geology by K. F. Bick



1. Pocahontas County Map (1929)
2. Greenbrier County Map (1937)
3. Dennison & Nunan for Amax (1974)
4. Butts, Charles (1933)

**EXPLANATION**

**Upper Devonian**

- Ch** Chemung formation

**Middle Devonian**

- Db** Drallier shale
- Dm** Millboro shale (including Onondaga fm. to westward)
- Dr** Ridgeley sandstone (including Onondaga fm. to westward)
- Dhl** Helderberg group (Cayuga ls., New Scotland ls., Licking Creek ls.)

**Lower Devonian**

- Sk** Keyser limestone

**Upper Silurian**

- Scy** Cayuga group (McKenzie ls., Williams Creek fm., Tonoloway ls.)

**Middle Silurian**

- Scl** Clinton formation

**Lower Silurian**

- Stc** Clinch sandstone

**Upper Ordovician**

- Oj** Juniata formation
- Omb** Martinsburg formation
- Oe** Edinburg formation (Lantz Mill facies)

**Middle Ordovician**

- Omc** Moccasin formation
- Omc** McClure formation
- Ob** Big Valley formation
- OLL** Lincolnshire limestone
- OL** Lurich formation (Round dolomite; Fox Oaks mem.)

**Lower Ordovician**

- OB** Beermantown dolomite

**CONTACTS**

- exposed
- - - approximate
- covered

**FAULTS NORMAL AND REVERSE**

- U — exposed
- D — approximate
- U — upthrown side
- D — downthrown side

**THRUST**

- exposed
- - - approximate
- T — overthrust side

**ATTITUDE OF ROCKS**

- / = Strike and dip of beds
- X = Strike and dip of overturned beds
- ⊥ = Strike of vertical beds
- = Horizontal beds

