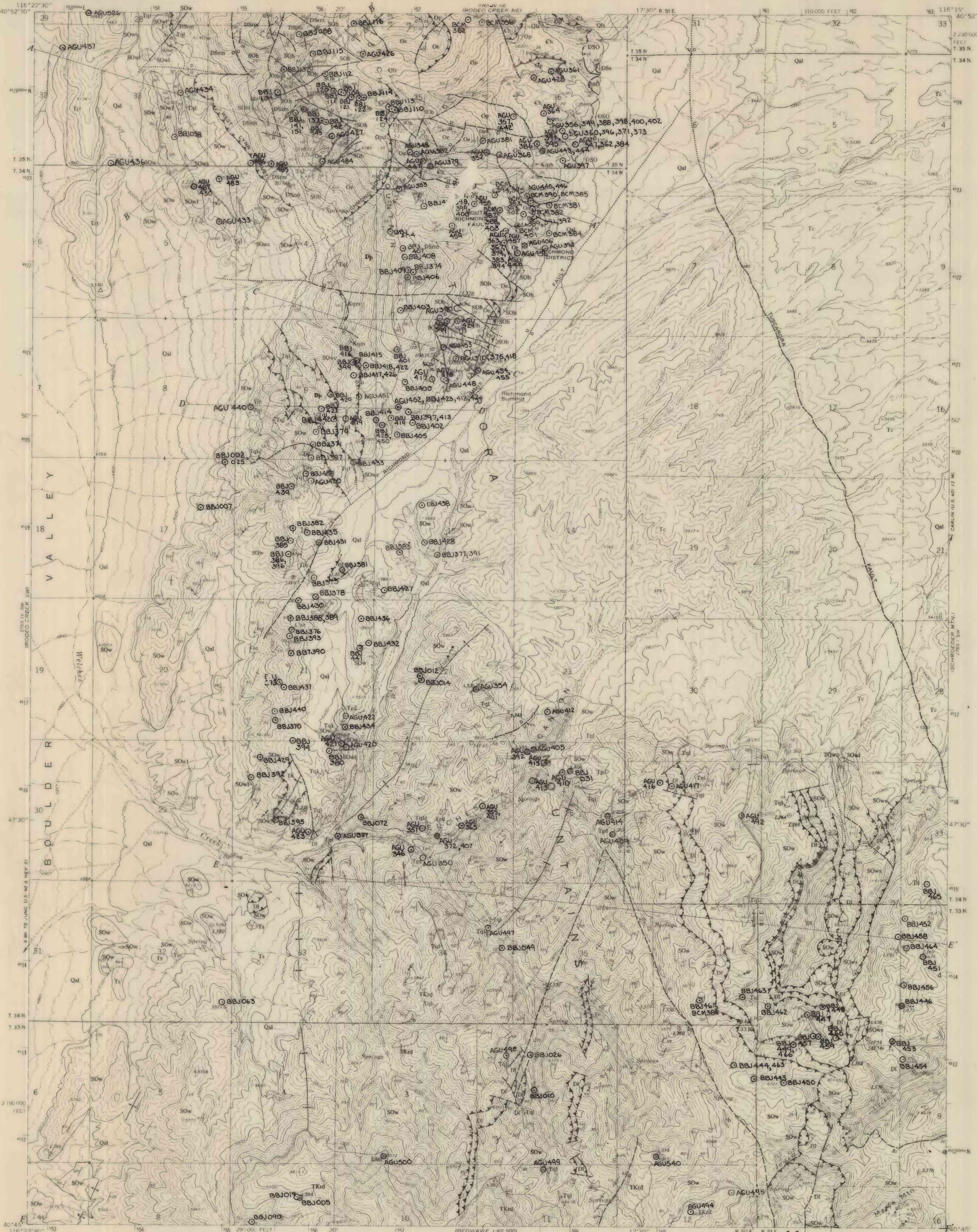
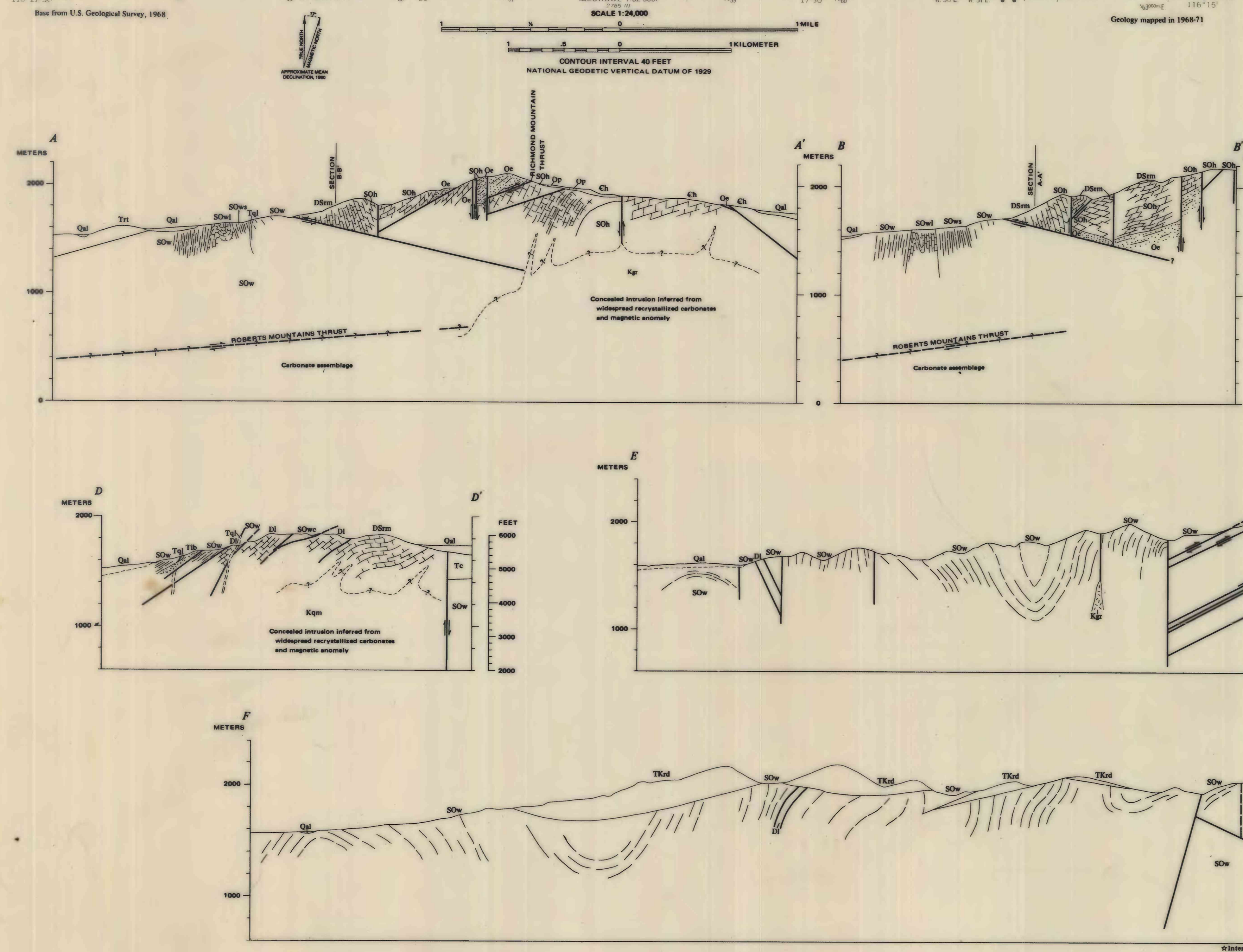


UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



EXPLANATION		
Qal	Alburtum	QUATERNARY
Qt	Landslide deposits	
Qf	Fanglomerate	
Ts	Siltstone	TERTIARY
Tc	Carlin Formation of Rogers (1960)	
Trt	Rhyolitic welded tuff	
Tib	Intrusive breccia	
Tql	Quartz latite	Lower Oligocene or Upper Eocene
Tpd	Granodiorite	
a q	Andesite and quartz veins	TERTIARY OR OLDER
TKrd	Rhyodacite	TERTIARY OR CRETACEOUS
Kqm	Quartz monzonite	CRETACEOUS
Kgr	Granite	MESOZOIC OR PALEOZOIC
b	Basalt	
SILICEOUS (WESTERN) ASSEMBLAGE		
DI	Unnamed limestone with chert cherts and thin chert and shale horizons	MESOZOIC OR PALEOZOIC
DSi	Undifferentiated limestone	
DSa	DSi, limestone ¹	DEVONIAN AND SILURIAN
DSm	DSa, hydrothermally altered, cherty silicified limestone	
TRANSITIONAL ASSEMBLAGE		
DSO	Dissected and altered carbonate rock	SILURIAN AND ORDOVICIAN
SOw	SOw, chert and shale, sandstone	
SOc	SOw, chert	ORDOVICIAN
SOs	SOw, shale	
CARBONATE (EASTERN) ASSEMBLAGE		
Dp	Popovich Formation	DEVONIAN
SOH	Hanson Creek Formation	SILURIAN AND ORDOVICIAN
SOH	SOH, dolomite	
Oe	Eureka Quartzite	ORDOVICIAN
Op	Op, limestone	
Opd	Op, dolomite	CAMBRIAN
Ch	Hamburg Dolomite	

- Contact
- Approximately located, Dotted where concealed
- Fault, showing dip
- Dashed where approximately located; dotted where concealed; queried where uncertain; Arrows show direction of relative movement; U, upthrown side; D, downthrown side
- Thrust fault
- Dashed where approximately located; dotted where concealed; queried where uncertain; Sawtooth on upper plate
- Trace of antiform crest, showing plunge
- Trace of synformal hinge zone
- Minor anticline, showing plunge
- Minor syncline, showing plunge
- Inclined Overturn, Vertical Horizontal Strike and dip of beds
- Inclined Horizontal Trend and plunge of minor folds
- May be combined with other symbols
- Fossil locality
- Fossil locality where bedding attitude was measured
- Location of analyzed sample
- Location of radiometrically dated sample
- Line of measured stratigraphic section
- Mine dump
- Geochemical sample locality



GEOLOGIC MAP OF THE WELCHES CANYON QUADRANGLE, NEVADA