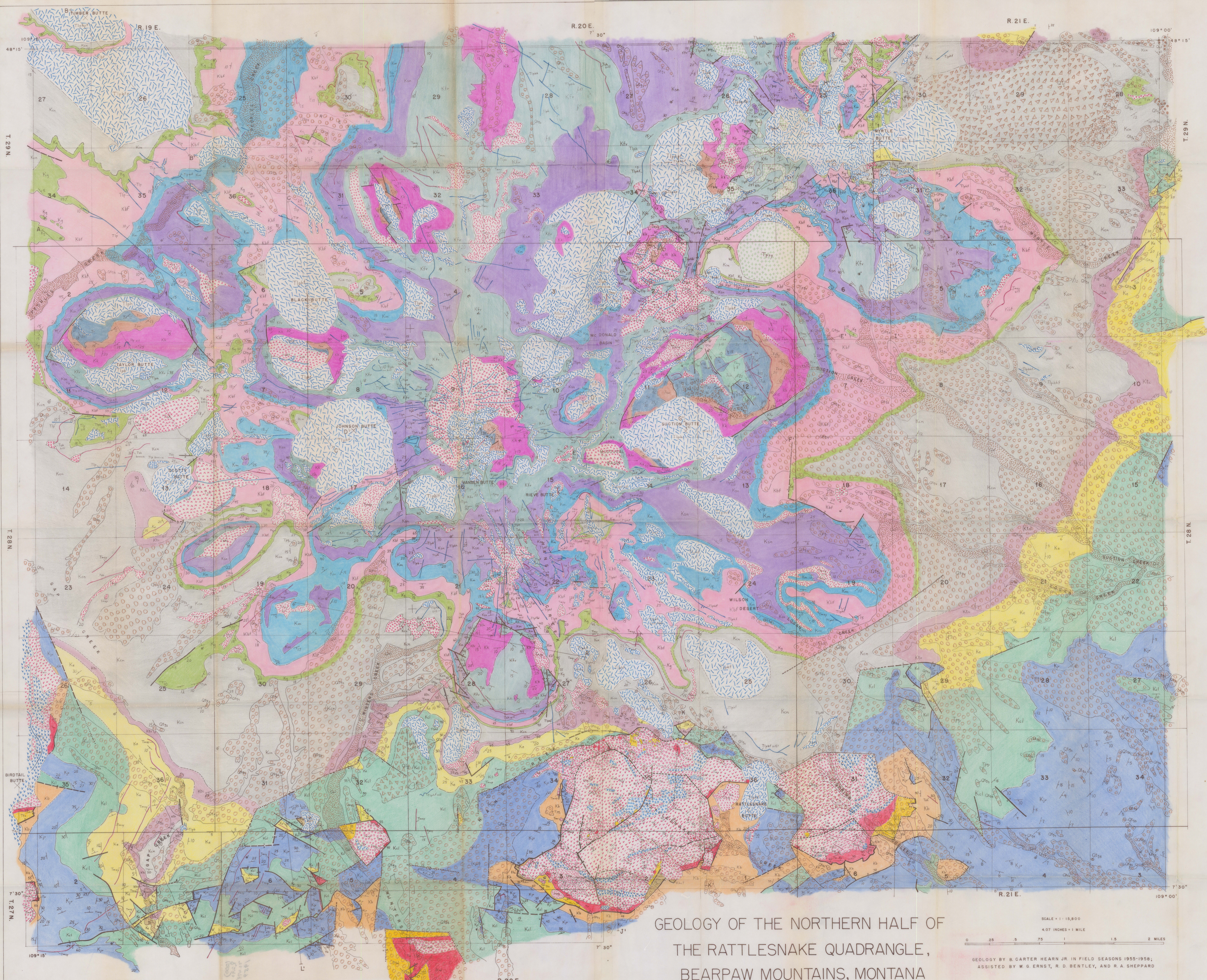




EXPLANATION

QUATERNARY

- ALLUVIUM (Kcn)
- YOUNGER LANDSLIDE DEPOSITS
- GLACIOFLUVIAL DEPOSITS
- TERRACE GRAVELS (CREATING NUMBERS 1 THRU 10 INDICATE SUCCESSIVELY LOWER LEVELS AND YOUNGER AGES)
- OLDER LANDSLIDE DEPOSITS
- SEDIMENT GRAVELS
- ANGULAR UNCONFORMITY
- FELSIC VOLCANIC FLOWS (MUSTY LATE, MAY INCLUDE SOME INTRUSIVES)
- FELSIC PYROCLASTIC ROCKS
- MAFIC VOLCANIC FLOWS (MOSTLY PHOENIX)
- MAFIC PYROCLASTIC ROCKS
- PORPHYRITIC SYENITE

PLIOGENE

- INTRUSIVE LATE PORPHYRY (PHOENIX, MINERAL, & BOWEN, & BUTTE, & FELDPAK, & PYROXENE) (1 INDICATES SMALL AMOUNTS)
- MAFIC SYENITE (LEADS TO SYENITIC, MAY INCLUDE SOME INTRUSIVES)
- SNOWKINITE (MAY INCLUDE SOME MAFIC SYENITE)
- ANGULAR UNCONFORMITY

PALEOGENE

- WASATCH FORMATION
- FORT UNION FORMATION
- HELL CREEK FORMATION
- FOX HILLS SANDSTONE
- BEARPAW SHALE
- JUDITH RIVER FORMATION
- GLASSETT SHALE
- EAGLE SANDSTONE
- TELEGRAPH CREEK FORMATION EQUIVALENT
- NIORARA AND CARLISLE SHALE EQUIVALENTS
- GREENHORN LIMESTONE EQUIVALENT
- BELLE FOURCHE SHALE EQUIVALENT
- MOWRY SHALE EQUIVALENT
- NEWCASTLE SANDSTONE AND SKULL CREEK SHALE EQUIVALENTS
- FALL RIVER SANDSTONE EQUIVALENT
- KOOTENAI FORMATION
- SWIFT FORMATION
- RIERDON FORMATION
- SAWTOOTH FORMATION
- UNCONFORMITY
- MADISON LIMESTONE

CRETACEOUS

LOWER CRETACEOUS

MIDDLE JURASSIC

UPPER JURASSIC

TRIASSIC

PERMIAN

GEOLGIC CONTACT

FAULT

STRIKE AND DIP OF BEDDING

STRIKE AND DIP OF VOLCANIC FLOWS

APPROXIMATE STRIKE AND DIP DIRECTION OF VOLCANIC FLOWS

FOLIATION OF IGNEOUS ROCKS

PROSPECT

SCALE

0 25 50 75 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000

0.75 INCHES = 1 MILE

0 0.25 0.5 0.75 1 1.25 1.5 1.75 2 MILES

GEOLOGY BY B. CARTER HEARN JR. IN FIELD SEASONS 1955-1959; ASSISTED BY W. G. ERNST, R. D. BENTLEY, AND R. A. SHEPPARD