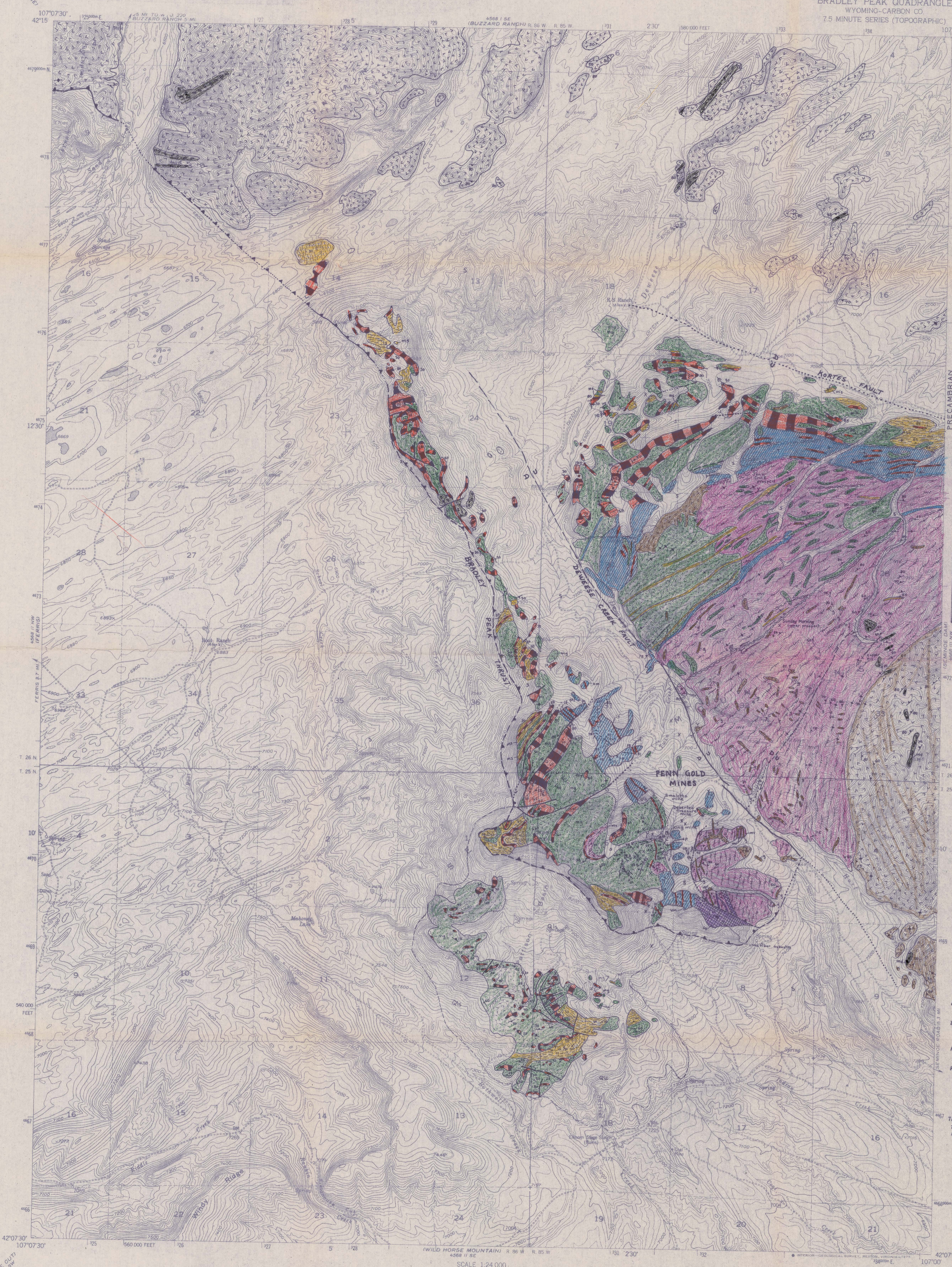




EXPLANATION

- PHANEROZOIC**
- Qls**
Landslide
- S**
Sedimentary rocks & unconsolidated alluvium and colluvium
- INTRUSIVE IGNEOUS AND METAGNEOUS ROCKS**
- Porphyritic & diabasic metadiorite
- Granitic rocks
g, apite, granitic, and pegmatitic dikes.
gd, buff to brown medium grained granodiorite.
- Metagabbro
Gray, green, to black, fine to medium grained porphyritic to equigranular mafic intrusive rocks and minor metabasalt.
- UNCONFORMITY**
- METASEDIMENTARY AND METAVOLCANIC ROCK**
- Metasedimentary rocks
Fine grained metagreywacke, quartzite, quartz-muscovite-andalusite schist. Includes felsic metavolcanic rocks in sec. 21, 724N, R85W.
- Iron Formation
Brown to black, fine grained banded quartz-magnetite-amphibole iron formation. Locally includes grunerite schist.
- Metavolcanic rocks
Gray to black, thin-bedded, hornblende schist and hornblende-quartz-plagioclase hornfels. Strongly foliated metabasalts and mafic tuffs.
- Ultramafic rocks
um, spinifex textured metagabbro, tremolite/actinolite schists, and equigranular serpentinitized ultramafics. Chemically, similar to komatiite. sp, massive to schistose serpentinite. Metaperidotite and metadunite.

MAP SYMBOLS

- Contact or limit of outcrop area
Dashed where approximately located
- High angle fault
Dashed where approximately located; dotted where inferred. Arrows and letters indicate relative movement.
- Thrust fault
Dashed where approximately located; dotted where inferred. Sawtooth on upper plate.
- Shear zone
- Rock slide
- Isoclinal fold, showing plunge and dip of axial plane
- Open fold, showing dip and plunge of axial plane
- Chevron and crenulation fold, showing plunge
- Inclined
- Strike and dip of beds
- Vertical
- Inclined
- Vertical
- Vertical, showing plunge of lineation
- Strike and dip of foliation
- Exploration shaft
- Adit
- Trench
- Test pit
- Quartz vein, showing dip. Dashed where inferred

REFERENCES

- Bayley, R.W., 1960, Geologic map of the Bradley Peak Quadrangle, Carbon County, Wyoming: U.S. Geological Survey 60-773, scale 1:24,000.
- Blackstone, D.L., 1965, Gravity thrusting in the Bradley Peak-Seminole Dam Quadrangles, Carbon County, Wyoming and the relationship to the Seminoe iron deposits: Geological Survey of Wyoming Preliminary Report 6, 18p.
- Hausel, W.D., 1988, Reconnaissance geological mapping in the Penn gold mines area for the Geological Survey of Wyoming: unpublished 1:24,000 scale maps.
- Klein, L.L., 1981, The geology and geochemistry of the sulfide deposits of the Seminoe district, Carbon County, Wyoming: Colorado School of Mines, PhD thesis, 232p.

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PRECAMBRIAN GEOLOGY OF THE SEMINOE GOLD DISTRICT, CARBON COUNTY, WYOMING

Compiled* by
W.D. Hausel
1988

THIS REPORT HAS NOT BEEN EDITED FOR CONFORMITY
WITH THE STANDARDS OF THE GEOLOGICAL SURVEY
OF WYOMING

BRADLEY PEAK
QUADRANGLE,
WYOMING

BRADLEY PEAK, WYO.

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION
Heavy-duty 4 LANE 6 LANE Light-duty
Medium-duty 4 LANE 6 LANE Unimproved dirt
U.S. Route State Route

SCALE 1:24,000
1 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 2 3 4 5 KILOMETRE

UTM 12QD AND 1953 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET
1:23 276 MILS
1:23 25 MILS