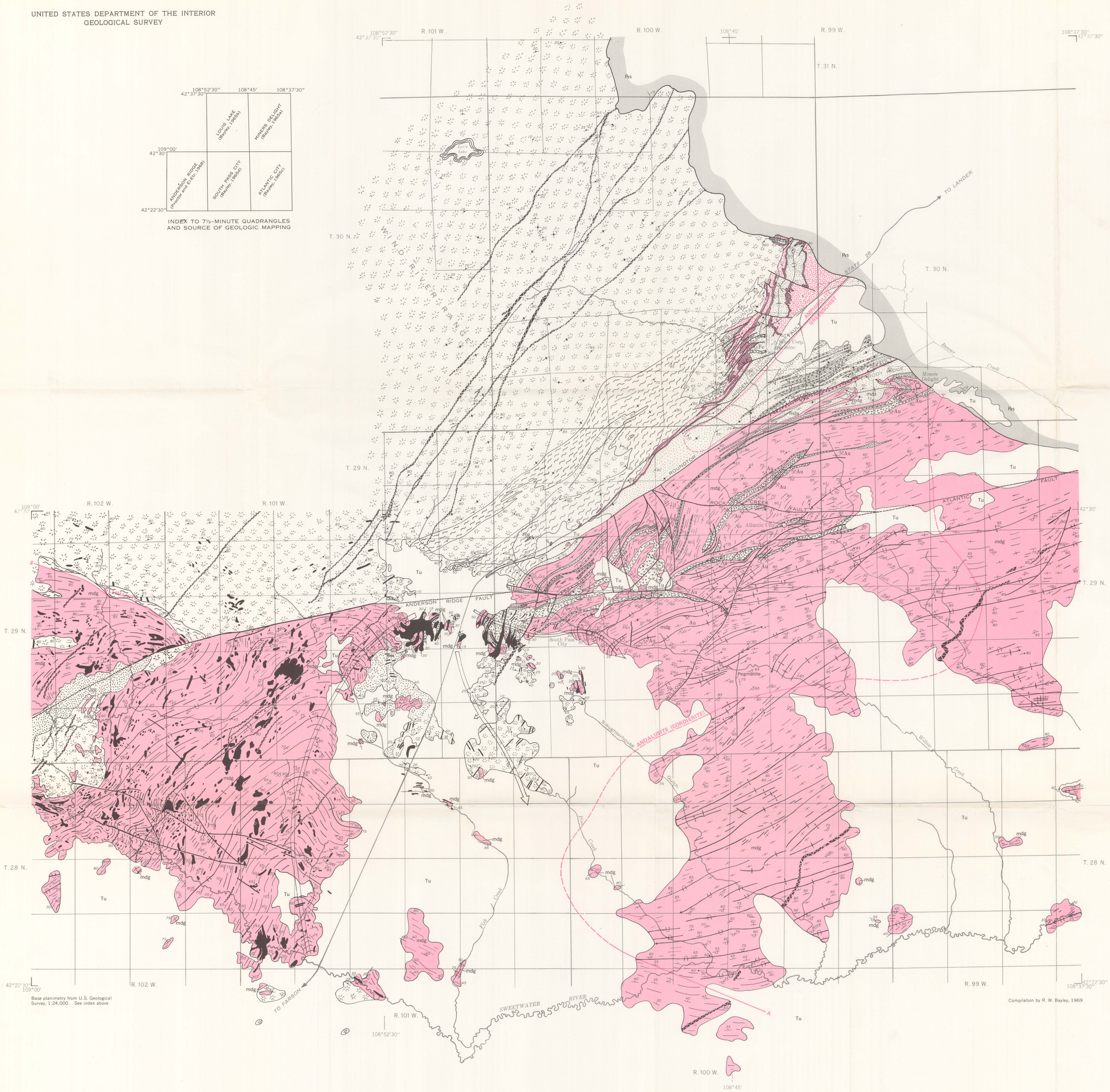


## EXPLANATION

| | | |
|---|---|---|
| Pleistocene | Qgg — Glacial gravel | QUATERNARY |
| Oligocene(?) and Miocene | Tu — Conglomerate, volcanic ash, tuffaceous sandstone, and sandstone, undivided | TERTIARY |
| | *UNCONFORMITY* | |
| | Pzs — Sedimentary rocks, undivided | PALEOZOIC |

### INTRUSIVE IGNEOUS AND METAIGNEOUS ROCKS

| | | |
|---|---|---|
| Precambrian X | Diabasic gabbro dike ~2.0 b.y. | PRECAMBRIAN (2.0 Billion years) |
| | Pegmatite | |
| Precambrian W | Granodiorite and granite *Pegmatitic granite with dot pattern, ~2.7 b.y.* | (2.7 b.y.) |
| | Granodiorite-amphibolite gneiss (east) and granodiorite-graywacke gneiss (west) | |
| | Leucodacite porphyry dikes and tonalite plugs | (>2.7 b.y.) |
| | mg — Metagabbro and metadiorite dikes | |
| | mp — Metadacite porphyry flows(?) and dikes | |
| | sp — Serpentinite and metaperidotite | |

### METASEDIMENTARY AND METAVOLCANIC ROCKS

mdg, mda — Miners Delight Formation
*Graywacke, schist, conglomerate, graphitic schist.*
mda, *meta-andesite*

Roundtop Mountain Greenstone
*Pillow lavas*

s, uif, lif, q — Goldman Meadows Formation
s, *schist*
uif, *upper iron-formation*
lif, *lower iron-formation*
q, *quartzite*

Formational contact

Fault
*Short dashed where inferred beneath Tertiary deposits or approximately located. Arrows indicate relative horizontal movement*

Anticline — Overturned anticline — Antiform
*Arrows indicate dip of limbs*
Syncline — Overturned syncline — Synform

Minor folds — Plunge of minor folds and lineation

### FOLDS

Inclined — Vertical — Inclined beds showing plunge of lineation
Overturned beds — Generalized trend of bedding or foliation — General strike of crenulated beds and plunge of crenulations
Strike and dip of beds

Inclined — Horizontal — Vertical
Inclined foliation showing plunge of lineation — Vertical foliation showing plunge of lineation
Strike and dip of foliation

Ellipsoidal lava
*Showing direction of tops of beds*

Breccia in fault zones

Au — Mine location
Au, *gold (inactive)*
Fe, *iron*

### ISOGRADS

A — ANDALUSITE (CORDIERITE) — A
S — SILLIMANITE — S
AMPHIBOLITE FACIES
GREENSCHIST FACIES

# GEOLOGIC MAP OF THE SOUTH PASS AREA, FREMONT COUNTY, WYOMING

* U.S. GOVERNMENT PRINTING OFFICE: 1973—543-575/1