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W. P. HEWITT, DIRECTOR
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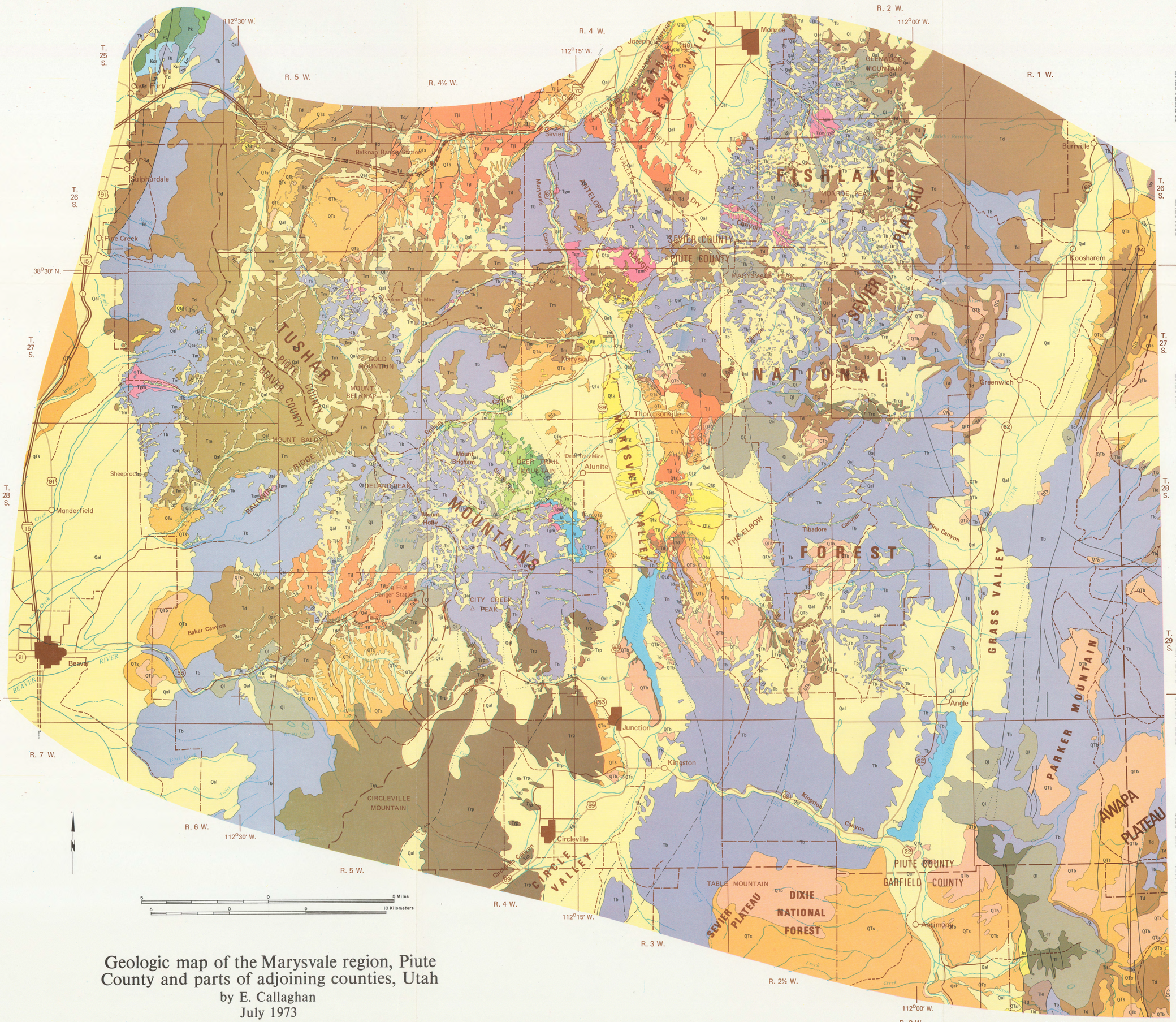

Geologic map of the Marysvale region, Piute County and parts of adjoining counties, Utah

by E. Callaghan

July 1973

(taken from Utah Geological and Mineralogical Survey Bulletin 102, plate 1).

EXPLANATION

PLEISTOCENE HOLOCENE

- Qal: *Talus, slope wash, fan and stream deposits*
- Qtg: *Gravel above present drainage*
- Ql: *Landslide debris*

PLIOCENE

- QTb — *Basalt flows interlayered with or above Sevier River Formation*
- QTs — Sevier River Formation — *Partly consolidated fanglomerate, sand and silt mainly of local origin.*

MIOCENE

- Tjl — Joe Lott tuff — *Light gray ashy tuff with rhyolite fragments.*
- Tm — Mt. Belknap rhyolite — *Reddish brown tuffaceous rhyolite and welded tuff and local occurrences of gray flow structure rhyolite.*
- Tlo — Osirus tuff of Awapa Plateau — *Welded crystal ashflow tuff.*
- Td — Dry Hollow Formation — *Reddish brown and gray porphyritic latite; reddish brown crystal ashflow tuff; gray basaltic andesite, locally vesicular. Thick in northeastern portion of map area.*
- Trp — Roger Park basaltic breccia — *Brownish black to olive black vesicular breccia of basaltic andesite composition.*

Unconformity

OLIGOCENE

- Tgm — *Quartz monzonite and associated intrusive rocks*
- Tb — Bullion Canyon volcanics — *Latite tuff, breccia and minor flows containing locally blocks of quartzite and conglomerate; hornfelsed near intrusives, extensively altered and contains precious–base metal veins and alunite deposits.*

Unconformity

PALEOCENE

- Tf — Flagstaff Formation — *Includes Tertiary conglomerate of Tushar Mtns. and conglomerate sandstone, shale and minor limestone of Antimony Canyon.*

Unconformity

CRETACEOUS

- Kpr — Price River Formation — *Conglomerate composed of Paleozoic quartzite and limestone boulders overlying thrust faults in SE Millard County.*

Unconformity

JURASSIC

- Ja — Arapien Formation — *Red sandstone, red and gray shale and gray limestone.*
- Jn — Navajo Sandstone — *Mostly light brownish gray quartzite*

TRIASSIC

- Ꞧ — Chinle and Moenkopi Formations — *Red shale, siltstone and sandstone. Some conglomerate sandstone*

PERMIAN

- Pk — Kaibab, Toroweap and Queantoweap (Talisman) formations — *Limestone, sandstone, shale, dolomite and quartzite.*

PENNSYLVANIAN

- Pc — Callville Limestone — *Limestone, shale and sandstone*