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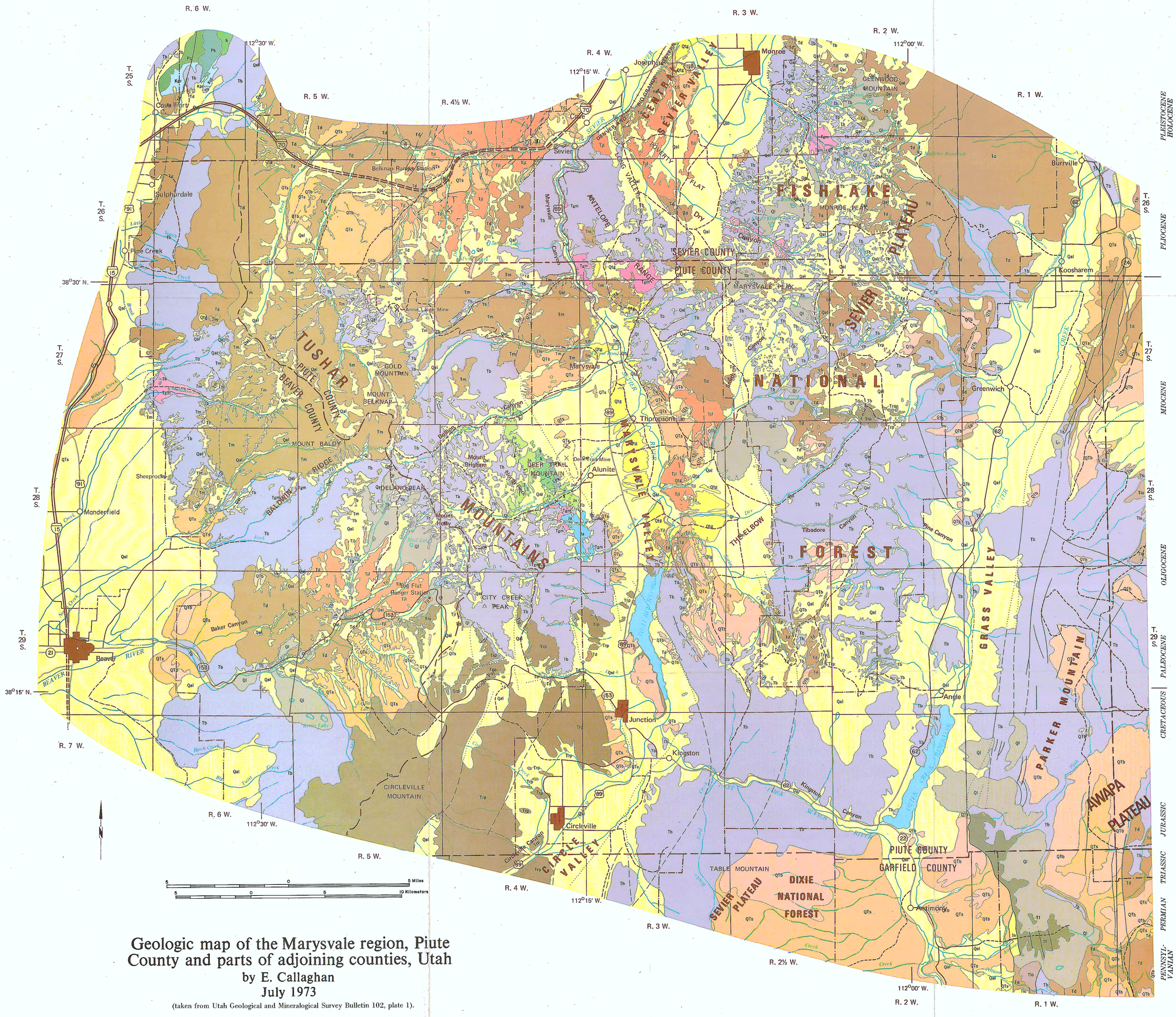
GEOLOGIC MAP OF THE MARYSVALE REGION, PIUTE COUNTY

Map 34



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

- ℞ — 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*

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).

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