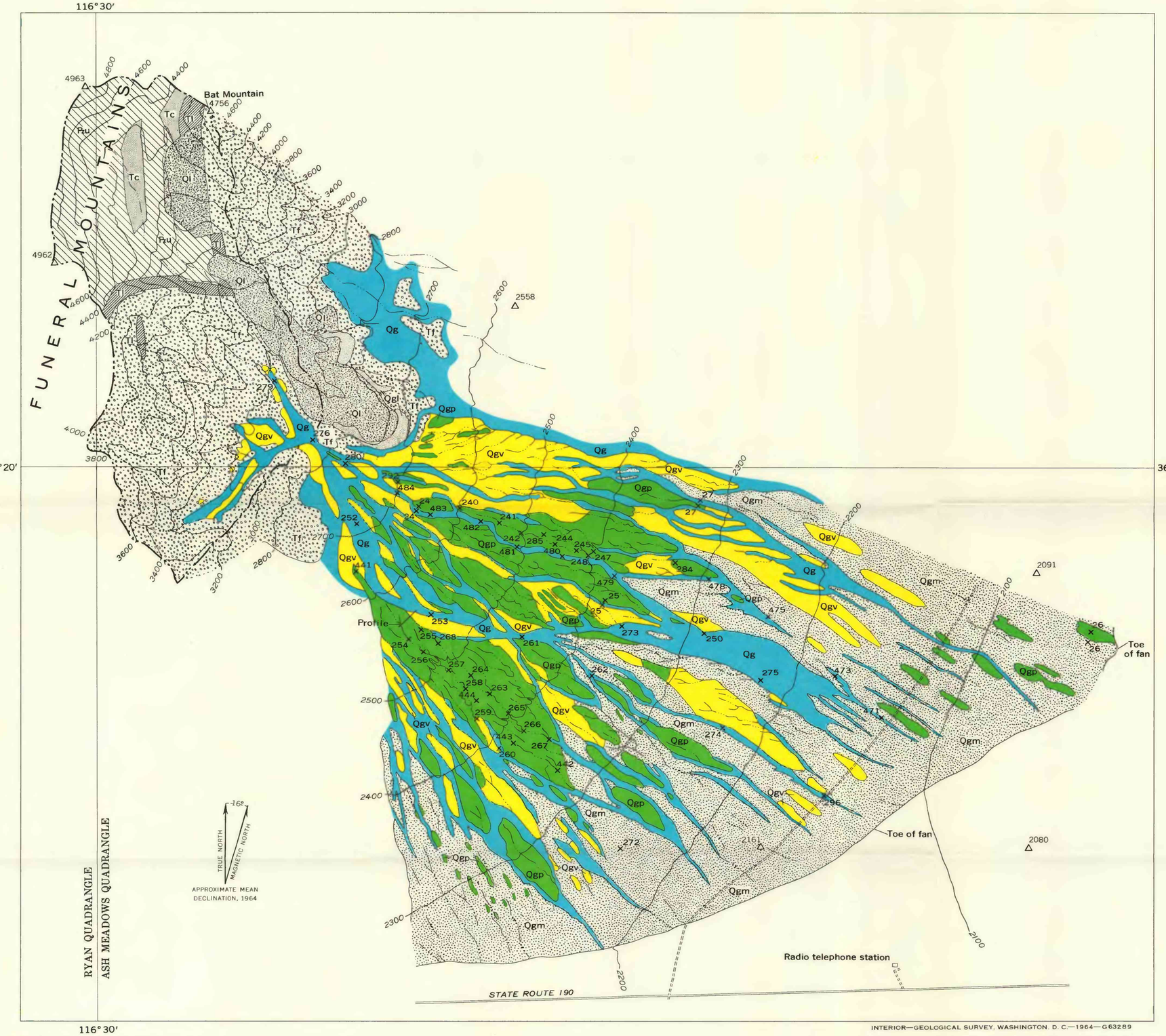

116°30′

Base map from Topographic Division U. S. Geological Survey multiplex compilation sheet. Outlines of channels, pavements, and washes drawn with Kelsh plotter from aerial photographs

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1964—G63289

Quaternary geology mapped by C. S. Denny, assisted by H.F. Barnett and J. P. D'Agostino, 1956–58; pre-Quaternary rocks mapped by Drewes and Denny, 1958

MAP OF BAT MOUNTAIN FAN, ASH MEADOWS QUADRANGLE IN CALIFORNIA

1000 0 5000 10,000 FEET

1000 0 1000 2000 METERS

EXPLANATION

Qg — Unweathered gravel
Bouldery to pebbly gravel and sand. Fragments both slab-shaped and blocky with angular to slightly rounded edges

Surface form of deposit
Braided channels and ridges—the modern washes— with a microrelief ranging from 1 to 3 feet

Qgv Qgp — Bouldery to pebbly gravel and sand
Fragments dominantly limestone, dolomite, sandstone, and quartzite; commonly cemented by caliche

Surface form of deposit
Qgv, *abandoned washes floored with layer of varnished fragments. Surface consists of broad ridges and swales, with a microrelief of about 1 foot, that are the somewhat subdued remnants of braided channels and of bars*

Qgp, *desert pavement. Armor of fragments forming a nearly plain surface. Fragments range from pebbles to boulders and touch each other; commonly angular and considerably weathered. Quartz-rich rocks varnished; carbonate rocks faceted or pitted; many are thin slabs*

Qgm — Gravel and sand, undifferentiated
Surface of deposit is a mosaic of modern and abandoned washes and desert pavement. Microrelief not more than 2 feet. Individual patches too small to map

Ql — Landslide
Tabular bodies of limestone and fanglomerate, highly brecciated. In large part mantled by rubble

Qgl — Gravel beneath landslide
Pebble, gravel, and sand

Recent / *Pleistocene and Recent* — QUATERNARY

MAJOR UNCONFORMITY

Tf — Fanglomerate
Reddish-brown cobble fanglomerate; includes some pebble conglomerate and sandstone

Tl — Limestone
Yellowish-gray thick-bedded limestone and reddish shale; subordinate sandstone and tuff

Tc — Conglomerate
Red pebble conglomerate, subordinate sandstone and siltstone

Pzu — Cherty limestone, limestone, and dolomite
Subordinate sandstone, siltstone, and quartzite

Miocene and older(?) — TERTIARY; DEVONIAN AND MISSISSIPPIAN

Contact
Generalized or approximate; includes fault contacts

Outline of drainage area
Shown only in mountains

3200
Generalized contours
100-foot interval on fan; 200-foot interval in mountains (above 2800 feet)

247
Sample locality