



EXPLANATION

QUATERNARY

- Unconsolidated deposits
Alluvium, colluvium, conglomerate, and lobes of Lake Bonneville group and pre-Lake Bonneville valley fill deposits

PLIOCENE

- Salt Lake(?) formation
Marly limestones and bentonitic tuffs. Certain by salt probably also of Pliocene age
- Diabase plugs, dikes, and sills
Age not precisely known, but probably Eocene
- Basalt flows
Age not precisely known, but probably Eocene

TERTIARY

- Sedimentary rocks and tuffs
Age not precisely known, but probably Eocene
- Monzonite of Silver City stock
- Biotite monzonite plugs and monzonite dikes
- Pebble dikes
- Hornblende monzonite dikes and plugs
- Laguna Springs latite
- Monzonite porphyry of Sunrise Peak stock
- Lamprophyre intrusive rocks
- Quartz monzonite of Swansea stock
- Packard quartz latite and Fernow quartz latite

PERMIAN

- Apex conglomerate
- Park City and Phosphoria formations and Diamond Creek(?) sandstone
- Oquirrh formation
- Manning Canyon shale, Great Blue formation, Humbug formation, and Desert limestone

MISSISSIPPIAN

- Gardison limestone and Fitchville formation
- Pinyon Peak limestone, Victoria formation, and Bluebell dolomite
- Fish Haven dolomite and Ophongona limestone (Separated by disconformity)

ORDOVICIAN

- Ajax dolomite and Opex formation
- Cole Canyon dolomite, Bluebird dolomite, Herkimer limestone, Dagmar dolomite, Teutonic limestone, and Ophir formation

CAMBRIAN

- Tintic quartzite
- Big Cottonwood formation

PRECAMBRIAN

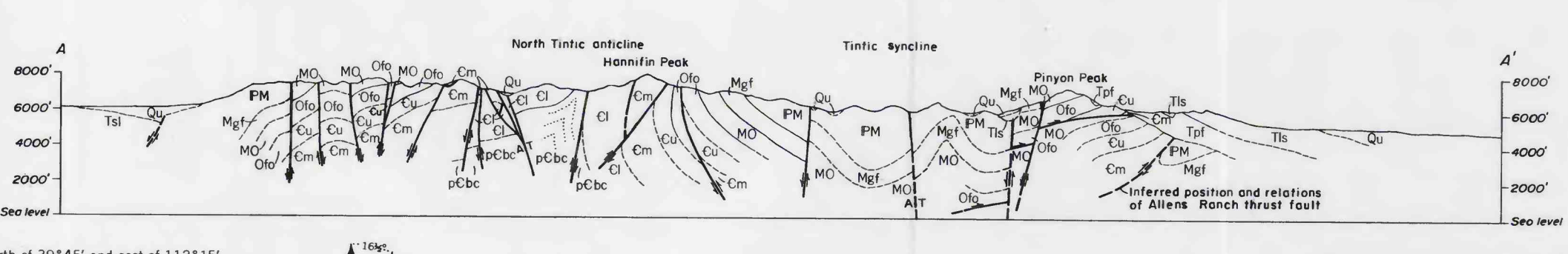
- Undifferentiated Tertiary volcanic rocks

STRUCTURAL FEATURES

- Folds
 - North Tintic anticline
 - Tintic syncline
 - East Tintic anticline
- Thrust faults
 - Tintic Humboldt
 - Pinyon Peak
 - Allens Ranch
 - Bradley
- High-angle faults
 - Toplift
 - South Essex
 - Strood
 - Gardison Ridge
 - Tintic Prince
 - Lehi Tintic
 - Paymaster No. 1
 - New Bullion
 - Miners Canyon
 - Fremont
 - Davis Canyon
 - Selma
 - Red Hill
 - Dead Horse
 - Homansville
 - Faxman
 - Gemini
 - Beck
 - Centennial
 - California
 - North Carolina
 - Grand Central
 - Mammoth
 - Sioux-Ajax
 - Yankee
 - Iron King
 - Eureka Lilly
 - Eureka Standard
 - Apex Standard
 - Hansen
 - County Canyon

Legend for Symbols:

- Contact (dashed line)
- Map Fault (line with U/D arrows)
- Section Fault (line with U/D arrows)
- Strike-slip fault (line with A/T arrows)
- Map Strike-slip fault (line with A/T arrows)
- Section Strike-slip fault (line with A/T arrows)
- Thrust fault (line with teeth)
- Map Thrust fault (line with teeth)
- Section Thrust fault (line with teeth)
- Concealed fault (line with arrows)
- Map Concealed fault (line with arrows)
- Section Concealed fault (line with arrows)
- Anticline (line with arrows)
- Map Anticline (line with arrows)
- Section Anticline (line with arrows)
- Syncline (line with arrows)
- Map Syncline (line with arrows)
- Section Syncline (line with arrows)
- Strike and dip of beds (line with angle)
- Strike and dip of overturned beds (line with angle)
- Strike of vertical beds (line with angle)



Base north of 39°45' and east of 112°15' from U. S. Geological Survey topographic maps. Base south of 39°45' and west of 112°00' from F. W. A. Utah Transportation Maps (1941) and aerial photographs.

Geology by H. T. Morris, A. E. Dillow, T. S. Lovering, P. D. Proctor, and published sources, 1943-57. Geology west of 112°00' and south of 39°45' known only from rapid reconnaissance.

GENERALIZED GEOLOGIC MAP AND SECTION OF THE EAST TINTIC MOUNTAINS, UTAH

