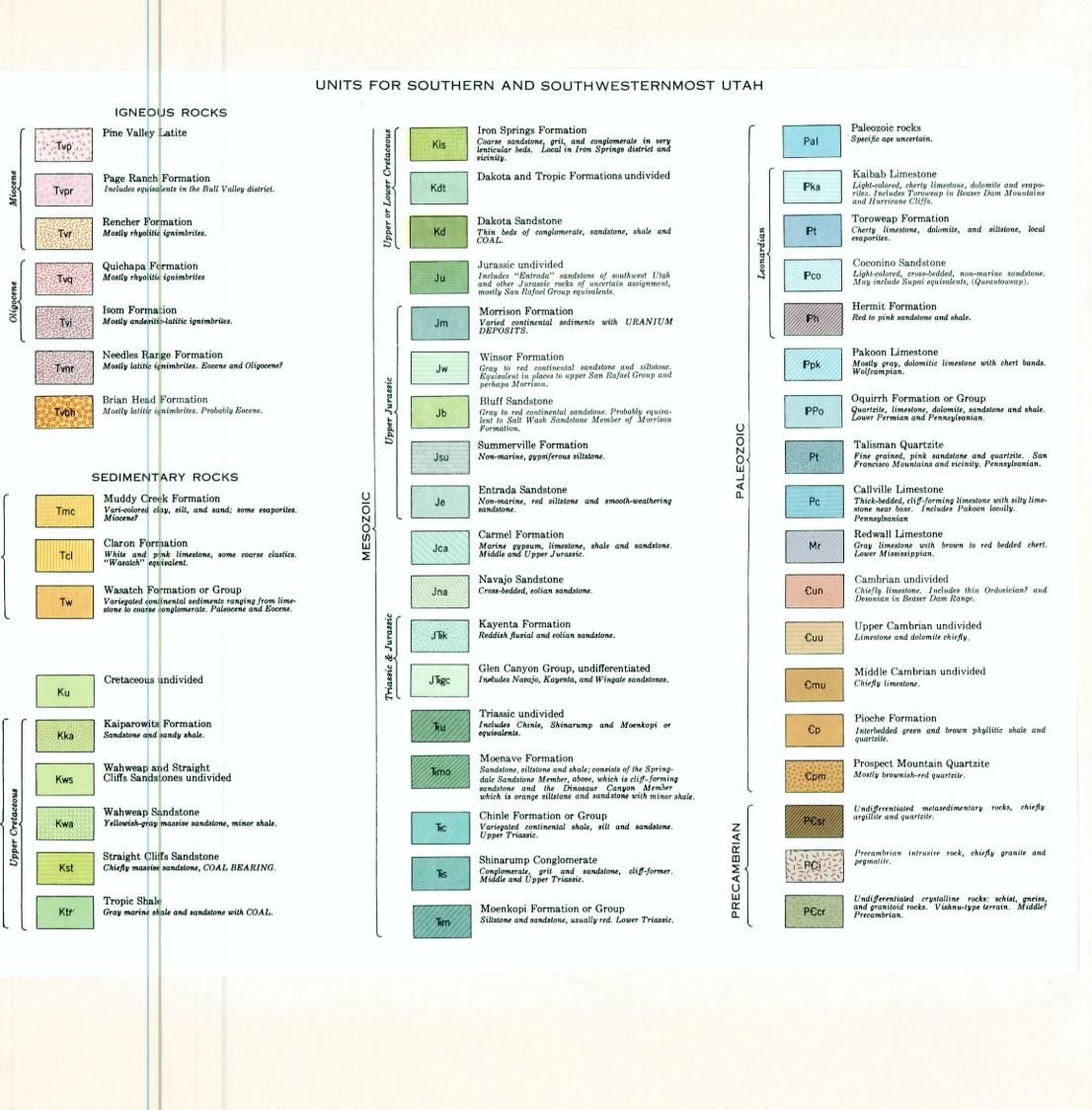


INDEX

SOURCES OF DATA

A00176_3



Late Tertiary andesite-trachyte-latite flows.

Late Tertiary rhyolite-dacite-quartz latite flows.

Late Tertiary rhyolite-dacite-quartz latite ignimbrites.

Early Tertiary basalt and basaltic andesite flows.

Early Tertiary andesite-trachyte-latite flows.

Early Tertiary andesite-trachyte-latite pyroclastics.

Early Tertiary andesite-trachyte-latite ignimbrites.

Early Tertiary rhyolite-dacite-quartz latite ignimbrites.

Early Tertiary rhyolite-dacite-quartz flows.

INTRUSIVE ROCKS

Tertiary porphyritic intrusive rocks.

ecambrian intrusive rocks, chiefly

granitic, some metamorphic rocks locally.

'ertiary granitoid rocks

T₂ap

Qa

Qag

Qgo

Qdg

Qm

TQu

olluvium and alluvium; mostly stony and unfit for

Landslides and other surficial masses displaced by

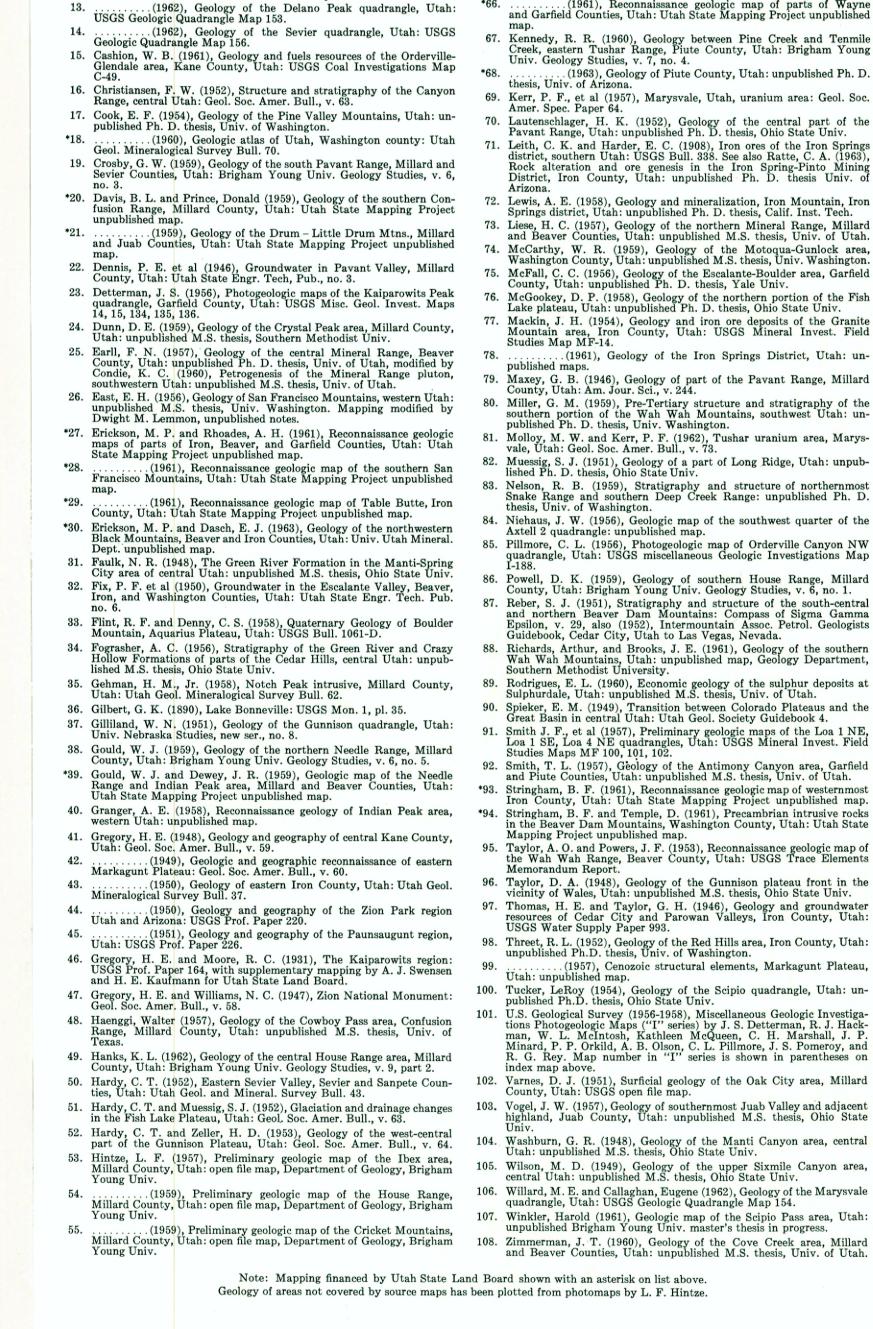
onstructional lake shore features (terraces, spits and

Tertiary and Quaternary deposits and surfaces of

Tertiary conglomerate, exact age uncertain.

ional lake shore features (terraces, spits and

unes: Qds, si iceous; Qdg, gypsiferous.



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UNITS FOR HIGH PLATEAUS OF CENTRAL UTAH IGNEOUS ROCKS - MARYSVALE AREA Conglomerate, sandstone and siltstone, chiefly Mt. Belknap Rhyolite Funk Valley Formation or Member Allen Valley Formation or Member Gray marine shale. Sanpete Formation or Member Sandstone and mudstone, fluvial and marine. Cliff-forming, light-colored deltaic sandstone. SEDIMENTARY ROCKS Conglomerate of pebbles to boulders, local in Sevier Valley. Arapien Formation or Group Variegated red to gray siltstone, sandstone and lime-stone, ROCK SALT and GYPSUM. Pebble, cobble, and boulder beds near Canyon Range. Pliocene? Twist Gulch Formation or Member Gray Gulch Formation Complex aggregation of pyroclastic rocks with colored sandstone, it nestone, and shale, Sevier Valley only. Oligocene? Twelvemile Canyon Formation or Member Light gray si Istone, local in Sevier Valley. Late Eo-Chiefly limestone. Upper Cambrian undivided Goldens Ranch Formation Chiefly limestone and dolomite. Chiefly volca tic conglomerate with minor flows and limestone with Eocene fossil plants. Middle Cambrian undivided Chiefly limestone. Fresh water I mestone with minor sandstone and con-glomerate. M iddle Eocene. Ophir Shale or Group Fluvial red beds with channel sandstone lenses. Pale-ocene?

Gray to blue- ray fossiliferous, fresh-water limestone.

Variegated continental beds; dinosaurs in lower part, Paleocene mommals above.

White, pink and yellow, relatively pure quartzite and sandstone, some conglomerate. Middle and Lower?

FAULT SYMBOLS Fault trace well exposed ----Fault inferred Fault concealed by alluvium _____ Thrust fault, barbs on side of thrust sheet

Volcanic cone

Compiled by Lehi F. Hintze Brigham Young University Map authorized and financed by Utah State Land Board 1963CONTOUR INTERVAL 200 FEET