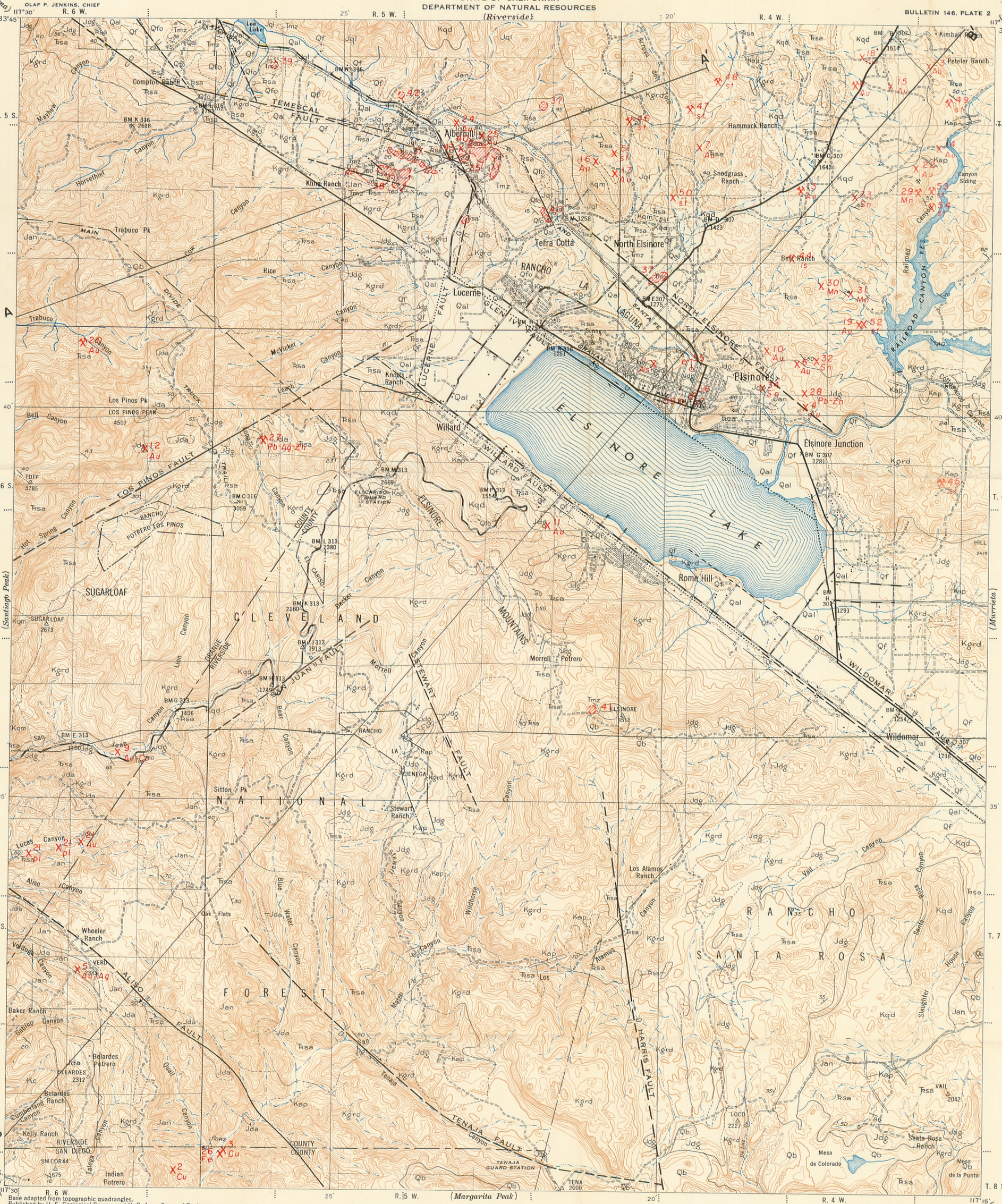

Base adapted from topographic quadrangles.
Published by U. S. Geological Survey, and U. S. Army Corps of Engineers.

Geology surveyed in 1947

ECONOMIC MAP OF THE LAKE ELSINORE QUADRANGLE

By René Engel

Scale $\frac{1}{62500}$

1 ½ 0 1 2 3 4 Miles

1 ½ 0 1 2 3 4 5 Kilometers

Contour interval 50 feet.

Datum is mean sea level.

LEGEND

SEDIMENTARY AND METAMORPHIC ROCKS

Recent

Qal — Alluvium

Pleistocene

Qf — Fanglomerate and terrace deposits

Lower Pleistocene or older

Qfo — Older fanglomerate
(sandstone, siltstone and tuff; possibly of Miocene age)

Eocene

Tmz — Martinez formation
(marine fossiliferous limestone and sandstone; continental clay shales, sandstones and lignitic coal)

Upper Cretaceous

Kc — Chico formation
(conglomerate and sandstone)

Upper (?) Triassic

Trsa — Santa Ana formation
(shales, slates and phyllites; sandstones and quartzites, conglomerate and limestone lenses; including some metamorphic rocks of undetermined age and origin)

IGNEOUS ROCKS

Pleistocene

Qb — Basalt

Cretaceous

Kap — Aplite and pegmatite
(including some basic dikes intruding the quartz diorite and the granodiorite)

Kqm — Quartz monzonite

Kgrd — Granodiorite

Kqd — Quartz diorite

Jurassic (?)

Jda — Dacite porphyry

Jan — Andesite

Jql — Quartz latite porphyry

Jdg — Diorite and gabbro

SYMBOLS

Contacts
- Known position
- Approximate position
- Alluvial

Faults
- Known position
- Approximate position
- Concealed by alluvium
- Showing dip
- Relative movement

Dip and strike of bed

Vertical bed

Overturned bed

Prospect

Mine

Clay deposit

Hot spring well

Abbreviations: As-arsenic, Ag-silver, Au-gold, C-coal, Cu-copper, Fe-iron, ls-limestone, Mn-manganese, Pb-lead, pl-gold placer, si-silica, Sn-tin, st-stone, Zn-zinc

Numbers refer to tabulated list in text.

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