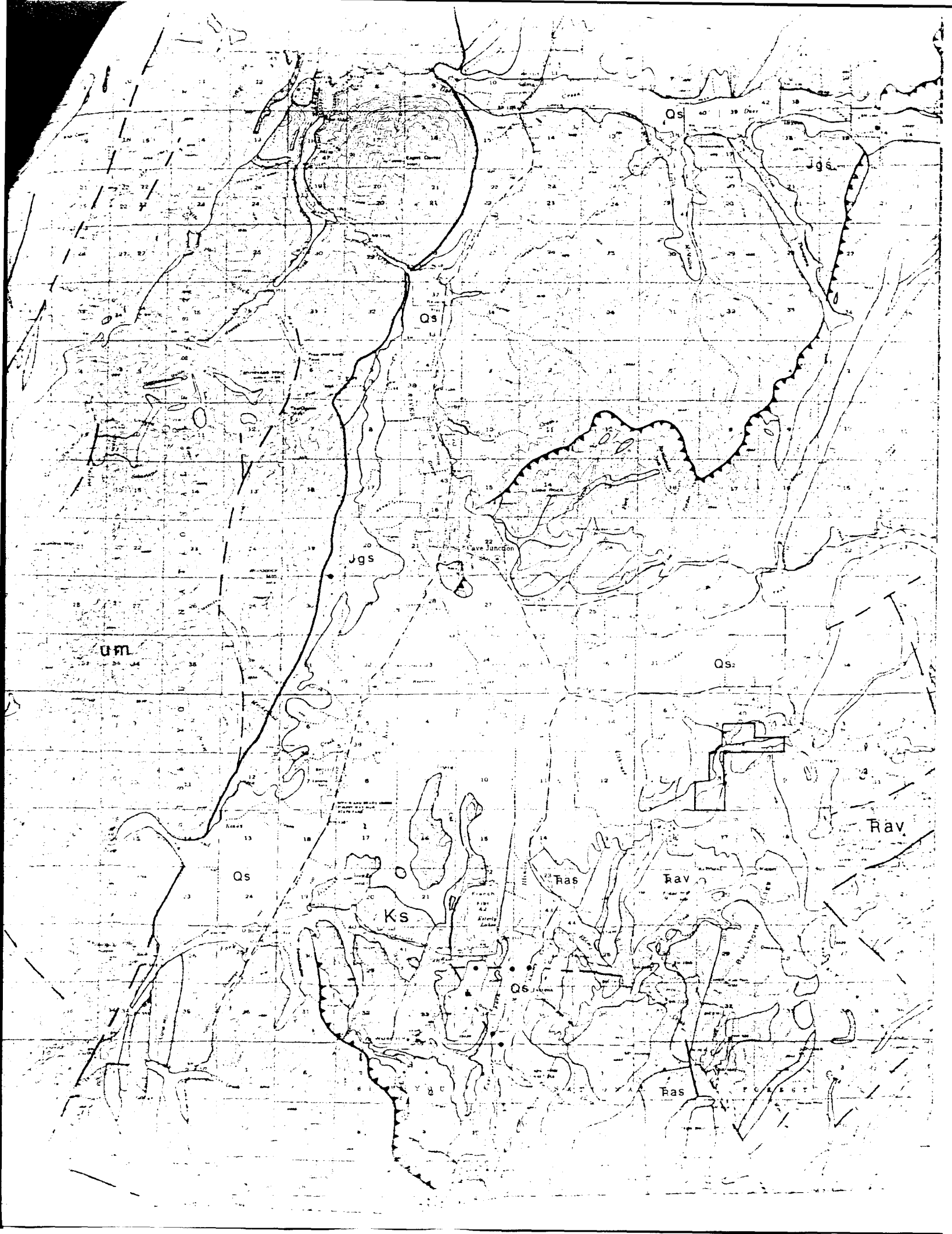
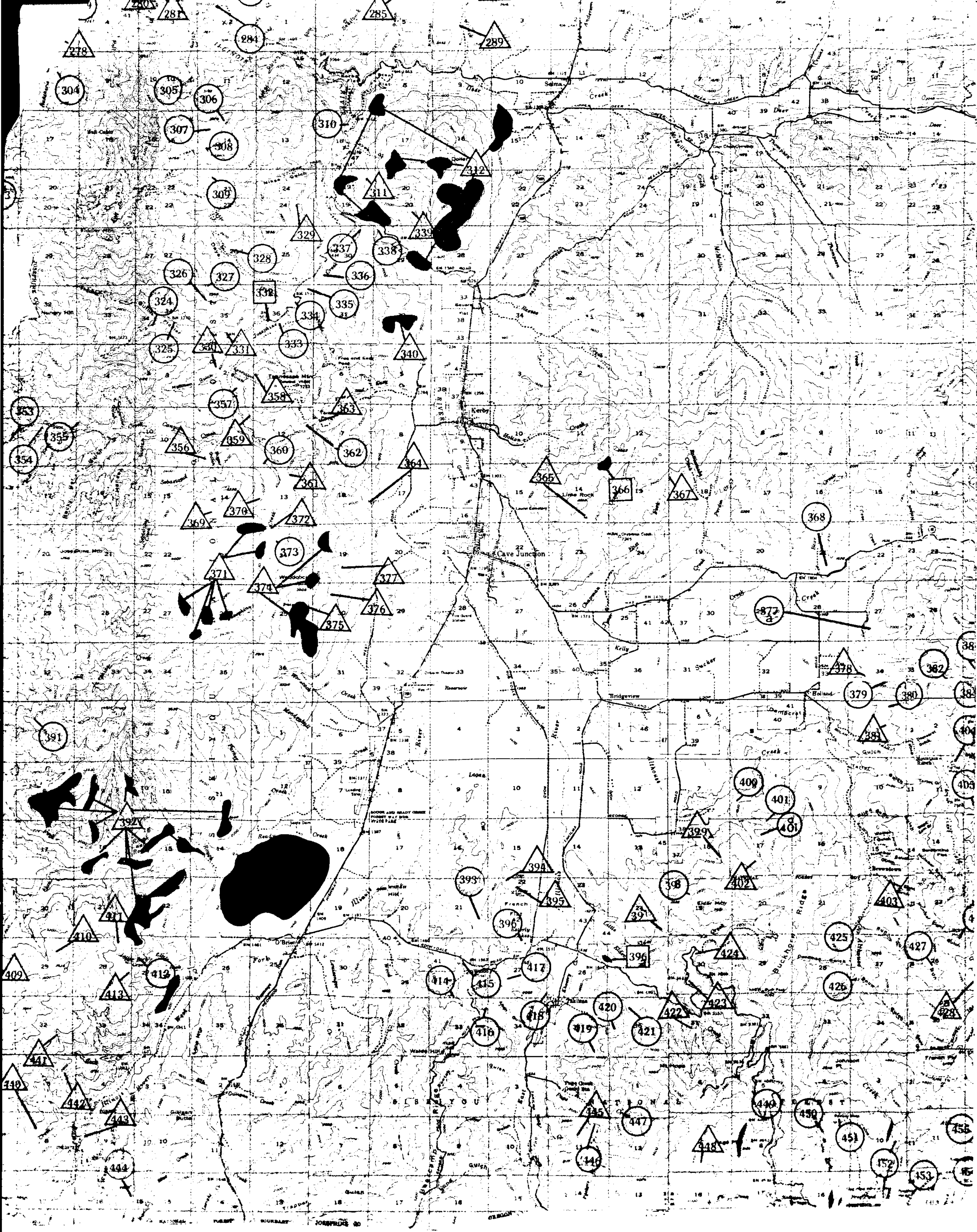
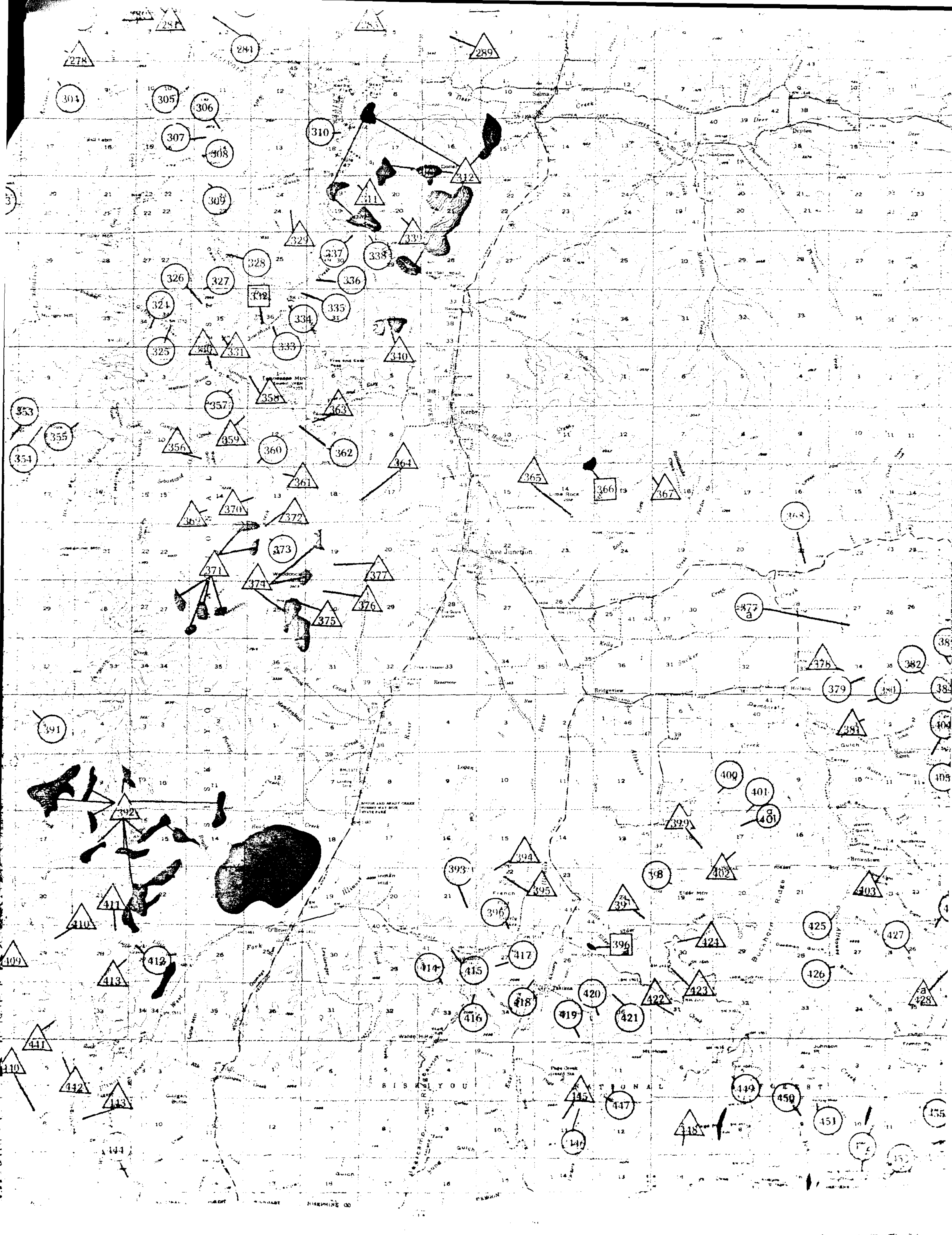
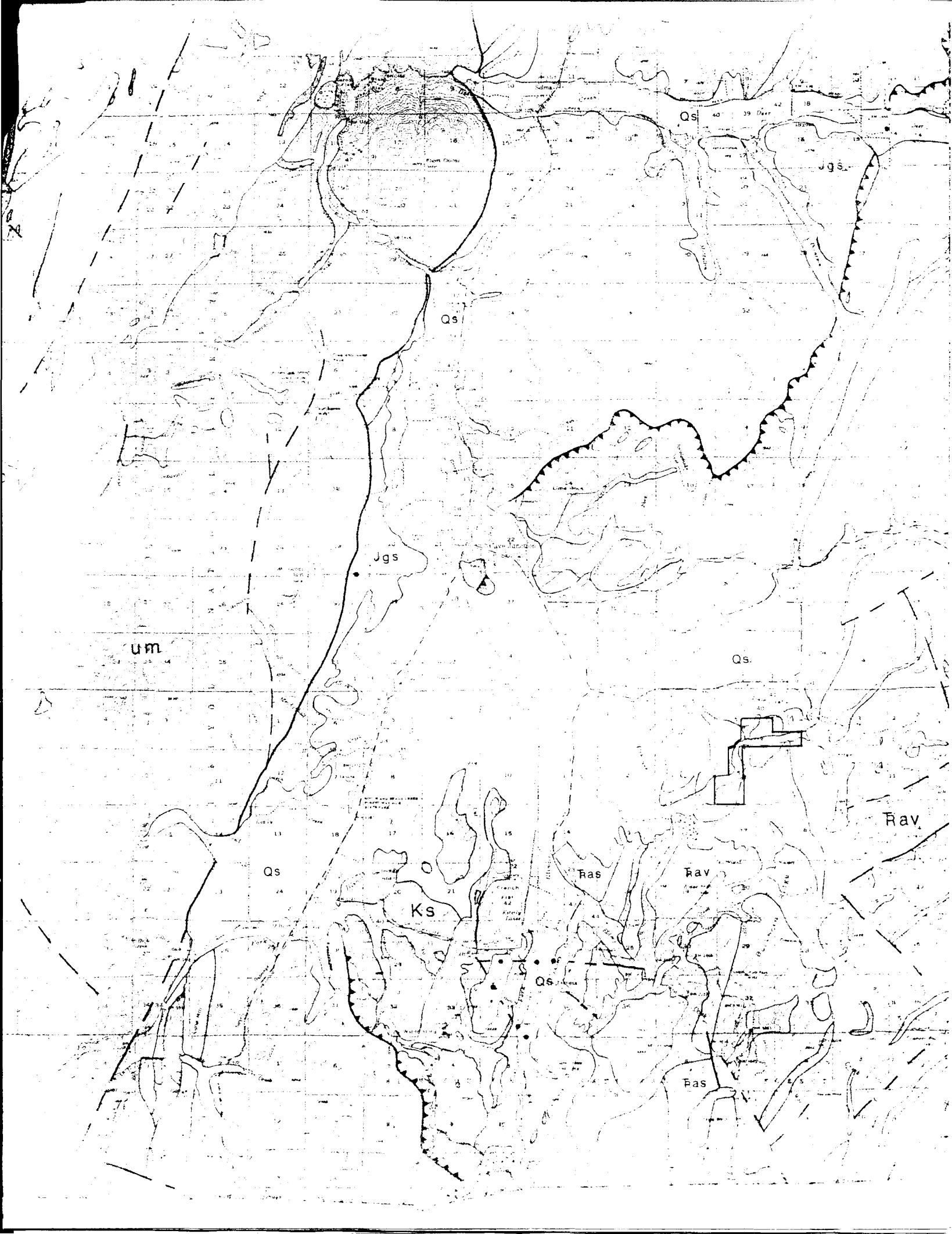

Qs
Jgs
Qs
Jgs
Cave Junction
um
Qs2
Rav
Qs
Ras
Rav
Ks
Qs
Ras



Selma
Deer
Creek
Dryden
Kerby
RIVER
Lime Rock
Cave Junction
Josephine Mtn
Nursery Hill
Bridgeview
Holland
Kelly
Sucker
Creek
Gulch
Buckhorn Ridge
O'Brien
Fork
Takilma
French Flat
Waldo Hill
Johnson
SISKIYOU
N A T I O N A L
F O R E S T
JOSEPHINE CO


Selma
Deer Creek
Dryden
Kerby
Cave Junction
Lime Rock
Bridgeview
Holland
Democrat
Buckhorn Ridge
Elder Mtn
Indian Hill
French
O'Brien
Takilma
Waldo Hill
Johnson
Hungry Hill
S I S K I Y O U   N A T I O N A L   F O R E S T
JOSEPHINE CO


Qs
Jgs
Qs
Jgs
um
Qs
Qs
Ks
Ras
Rav
Qs
Rav
Ras

talcose and pyrite-bearing gouge. Kays and Bruemmer (1964) determined from a gravity study that the major faults are deep seated and contain injections of serpentinized peridotite. They suggest that the amount of peridotite is directly related to the magnitude and extent of the faulting.

Some of the mapped faults may have very little structural importance, while others that are relatively important may have been overlooked. The thick vegetation and colluvium make detailed geologic mapping a frustrating endeavor. Filling in the gaps between good exposures of bed rock is largely a matter of geologic interpretation, and no two geologists are likely to develop identical pictures.

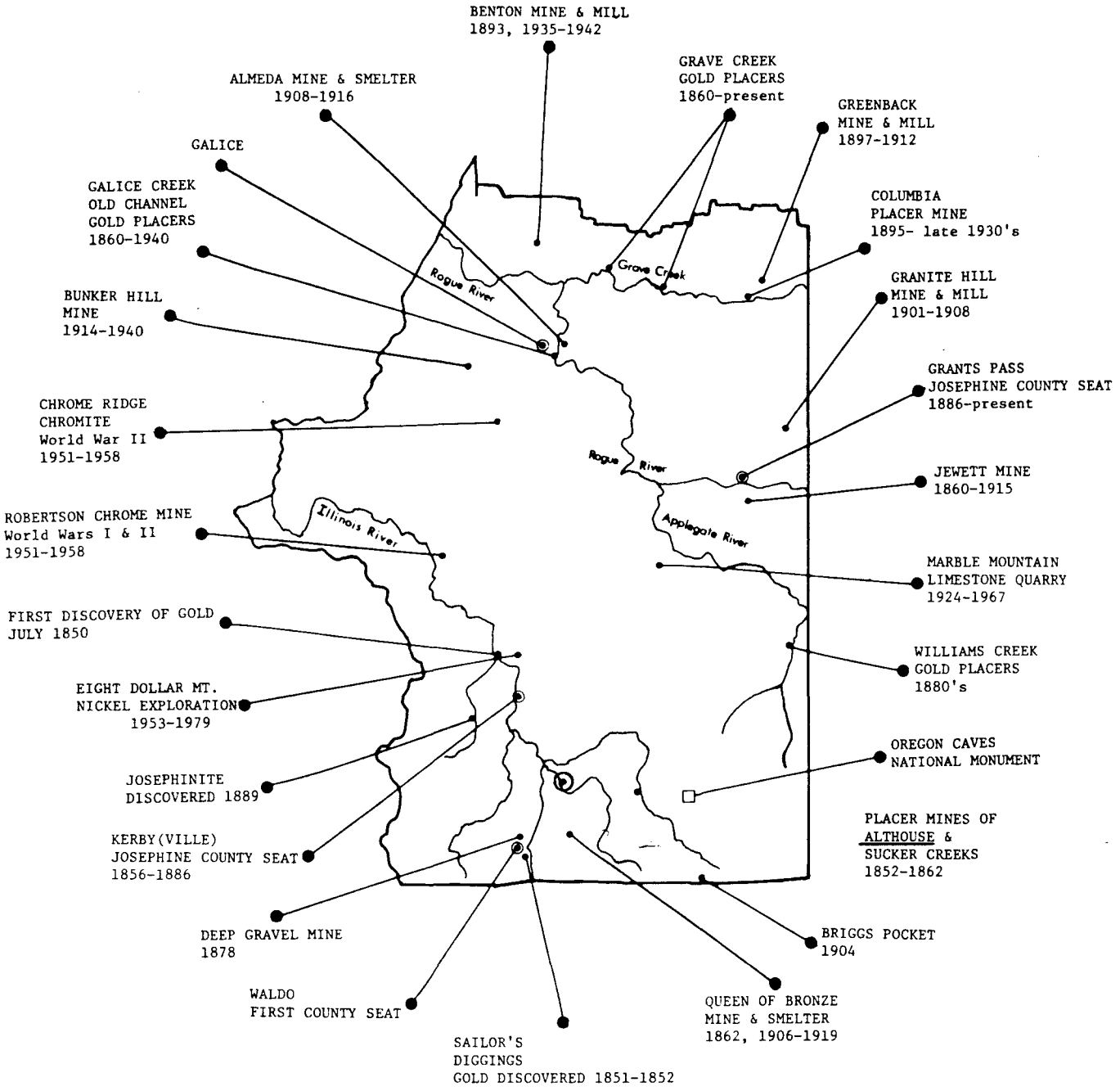
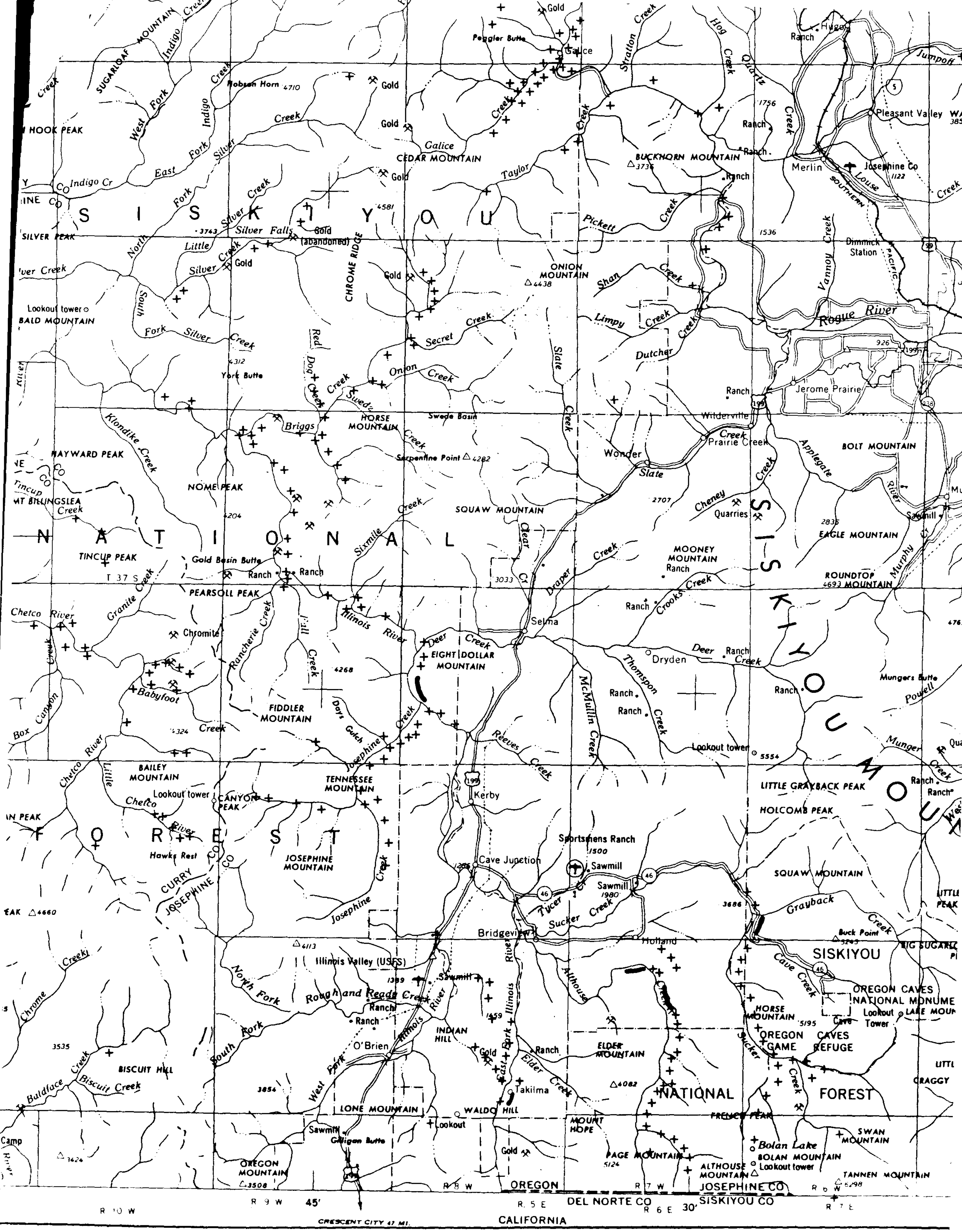
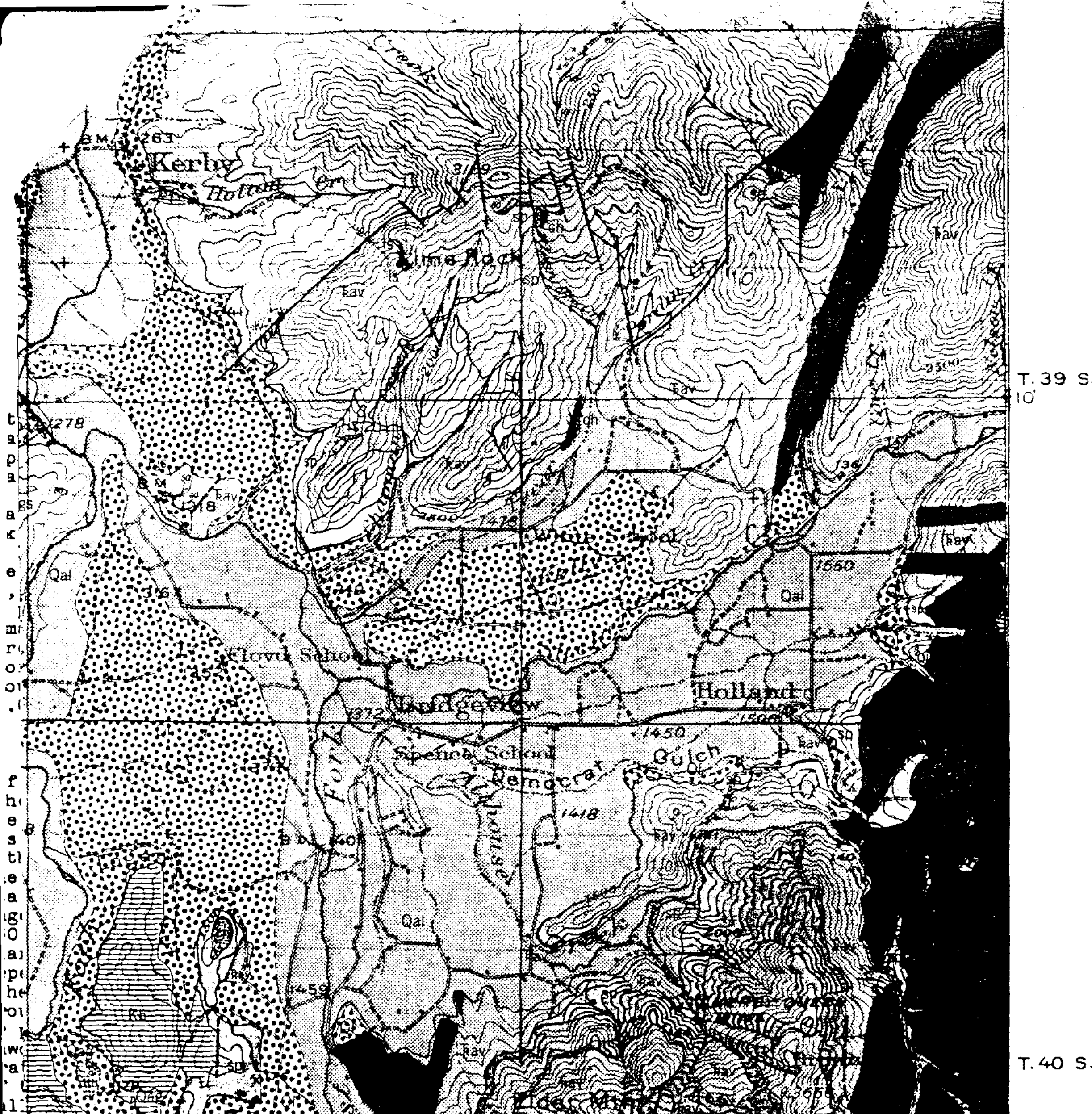


Figure 4. Some of the places and events important in Josephine County's mining history.


S I S K I Y O U
N A T I O N A L
F O R E S T
S I S K I Y O U M O U
Gold
Peggler Butte
Galice
Stratton Creek
Hog Creek
Quartz Creek
Hugo
Ranch
Jumpoff
Pleasant Valley
SUGARLOAF MOUNTAIN
Indigo Creek
West Fork
East Fork
Robson Horn 4710
HOOK PEAK
CEDAR MOUNTAIN
Taylor
BUCKHORN MOUNTAIN 3736
Merlin
Josephine Co
Louse Creek
SOUTHERN PACIFIC
Indigo Cr
CO
SILVER PEAK
Silver Falls
Gold (abandoned)
CHROME RIDGE
Little Silver Creek
North Fork Silver Creek
Pickett Creek
Dimmick Station
Vannoy Creek
ONION MOUNTAIN 4438
Shan Creek
Silver Creek
Lookout tower
BALD MOUNTAIN
South Fork Silver Creek
Red Dog Creek
Secret Creek
Onion Creek
Limpy Creek
Dutcher Creek
Slate Creek
Rogue River
York Butte
4312
Jerome Prairie
Wilderville
Swede Basin
HORSE MOUNTAIN
Briggs
Serpentine Point 4282
Klondike Creek
HAYWARD PEAK
Tincup Creek
MT BILLINGSLEA
NOME PEAK
Wonder
Prairie Creek
Slate
Applegate River
BOLT MOUNTAIN
SQUAW MOUNTAIN
Sixmile Creek
Cheney Creek
Quarries
EAGLE MOUNTAIN
TINCUP PEAK
Gold Basin Butte
T 37 S
PEARSOLL PEAK
Granite Creek
Clear Cr
Draper Creek
MOONEY MOUNTAIN
ROUNDTOP MOUNTAIN 4693
Murphy Creek
Chetco River
Chromite
Rancherie Creek
Illinois River
Selma
Crooks Creek
Deer Creek
Dryden
EIGHT DOLLAR MOUNTAIN
Thomspon Creek
McMullin Creek
Mungers Butte
Powell
Babyfoot
FIDDLER MOUNTAIN
Days Gulch
Josephine Creek
Reeves Creek
Lookout tower 5554
Munger Creek
Box Canyon
BAILEY MOUNTAIN
TENNESSEE MOUNTAIN
CANYON PEAK
Kerby
LITTLE GRAYBACK PEAK
HOLCOMB PEAK
Little Chetco River
Hawks Rest
CURRY CO
JOSEPHINE CO
JOSEPHINE MOUNTAIN
Sportsmens Ranch
Cave Junction
Sawmill
Tycer Cr
Sucker Creek
Grayback Creek
4660
Bridgeview
Holland
Buck Point
BIG SUGARLOAF
SISKIYOU
Illinois Valley (USFS)
North Fork
Rough and Ready Creek
Althouse Creek
Cave Creek
OREGON CAVES NATIONAL MONUMENT
Lookout Tower
LAKE MOUNTAIN
HORSE MOUNTAIN 5195
OREGON CAVES GAME REFUGE
Chrome Creek
INDIAN HILL
O'Brien
East Fork Illinois
Elder Creek
ELDER MOUNTAIN
BISCUIT HILL
South Fork
Biscuit Creek
Baldface Creek
West Fork
Takilma
NATIONAL
FOREST
CRAGGY
LONE MOUNTAIN
WALDO HILL
MOUNT HOPE
FRENCH PEAK
SWAN MOUNTAIN
Bolan Lake
BOLAN MOUNTAIN
Lookout tower
Gilligan Butte
Gold
PAGE MOUNTAIN
ALTHOUSE MOUNTAIN
TANNEN MOUNTAIN
OREGON MOUNTAIN 3508
OREGON
JOSEPHINE CO
SISKIYOU CO
DEL NORTE CO
R 10 W
R 9 W
45'
R 8 W
R 5 E
R 7 W
R 6 E
30'
R 6 W
R 7 E
CRESCENT CITY 47 MI.
CALIFORNIA



Geology by F. G. Wells,
G. L. Bell, F. W. Cater, Jr.,
P. E. Hotz, and H. L. James.
Surveyed 1940-1941 and 1945-1946
Geologic drafting by Ellen B. Bennett

Late Jurassic or early Cre

Intrusive rocks

...with diabase... forming dikes in or near per tite or serpentine)

mg

Metagabbroic compl

(Dark gray, medium-grained tered rock, forming small mo in peridotite or elongate intr sions adjacent to it)

og

Olivine gabbro

(Dark colored rock containing bluish feldspar, pyroxene, an olivine; coarse-grained facie cog, *and fine-grained facies, separately, mapped in north of area)*

sp

Serpentine

(Completely serpentinized peri ite broken by shearing into sm blocks or an aggregation of cu or bellied shiny translucent p from yellow through olive gree to black in color)

py

Pyroxenite

(Dark green rock made up lar of coarse crystals of orthorom pyroxene)

pd

Peridotite

(Green medium-grained rock c sisting of olivine with or with other mafic minerals; weather rock buff to rust-colored. In places largely altered to serpen tine but not crushed)

Upper Jurassic

Jdb Jdc Jds

Dothan formation

(Massive indurated sandstone a thin layers of black or dark gra shale with a few conglomerate l of small chert pebbles. Some le of chert Jdc; *also some interlay dense basalt,* Jdb, *in various sha of green or rusty red, in part w amygdaloidal or pillow structu or with flow breccia)*

Jgs Jgc Jgv Jgf

Galice formation

(Dark gray to black fine-graine to dense, thinly layered rocks g erally with slaty cleavage, a fe medium-grained sandstone be up to 3 feet in thickness and so thin-layers of grit, Jgs. *Also large thickness of andesitic flo mainly porphyritic with brecc and tuffs,* Jgv; *in places spec phases are separately mapped indicated by letter symbols: fe sitic and amygdaloidal phase,* Jgf; *agglomerate tuffs and thi flows,* Jgc*)*

UNCONFORMITY