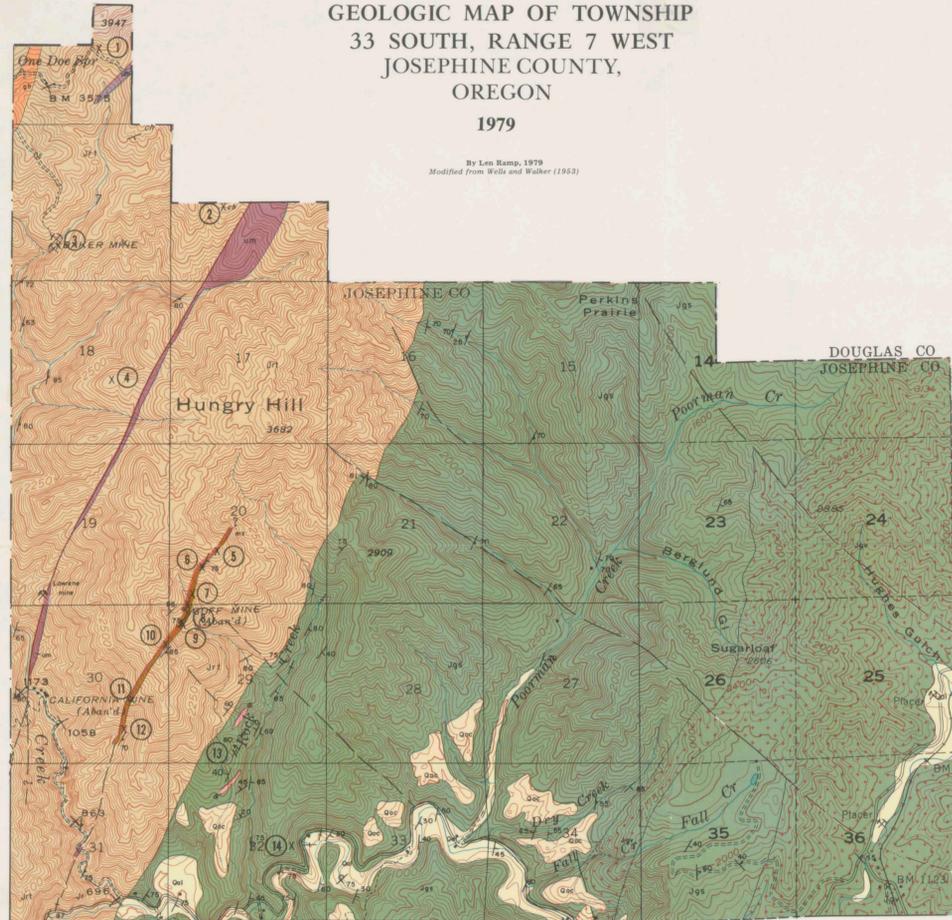


**GEOLOGIC MAP OF TOWNSHIP
33 SOUTH, RANGE 7 WEST
JOSEPHINE COUNTY,
OREGON**

1979

By Len Ramp, 1979
Modified from Wells and Walker (1953)



SCALE



CONTOUR INTERVAL 80 FEET



QUADRANGLE LOCATION



GEOLOGIC MAP OF TOWNSHIP
33 SOUTH, RANGE 7 WEST
IN JOSEPHINE COUNTY

EXPLANATION

SEDIMENTARY AND LAYERED VOLCANIC ROCKS

Alluvium: Gravel, sand, silt, and colluvium along creeks and low-level bench gravels along Grane and Wolf Creeks. Unit is generally gold bearing. Included in Qs on Geologic Map of Josephine County (Plate 1)

Old Channel gravel: Poorly sorted, locally decomposed gravel intermixed with layers of gray clay and buff to red sandy soil from 200 to 600 ft above present stream level. Unit is usually gold bearing. Included in Qs on Geologic Map of Josephine County

Galice Formation sedimentary rock: Dark-gray to black, thin-layered slaty siltstones with less abundant graywacke sandstones and minor layers of grit. Small lenticular quartz veins are common in some areas of slaty siltstone

Galice Formation metavolcanic rock: Andesitic lava flow rock, agglomerates, tuff breccias, and interbedded tuffaceous sedimentary rocks. Included in Jrg on Geologic Map of Josephine County (Plate 1)

Rogue Formation: Layered siliceous to basic metavolcanic rocks; largely tuffs and tuff breccias with mainly andesitic lava flow rock and some agglomerates with minor interbedded tuffaceous sedimentary rock and chert. Undifferentiated Rogue Formation (lr). Area of mostly tuff (jt). Small area of chert (cb). Included in Jrg on Geologic Map of Josephine County (Plate 1)

INTRUSIVE AND MINERALIZED ROCKS

Quartz diorite: Small, deeply weathered dikes, probably quartz diorite composition. Intrudes Galice Formation sedimentary rock

Gabbro: Stringers and lenses of dike-like gabbro and diabase intrusive rock in Rogue Formation occurring at One Doe Spring and mainly west of the map area

Serpentinized: Altered peridotite, highly sheared where intruded along fault zones as west of Hungry Hill. Equivalent to um on Geologic Map of Josephine County (Plate 1)

Mineralized zone: Altered, pyrite-impregnated, tuffaceous rocks with lenses of barite and massive pyrite at the Goff Mine, occurring parallel to layers and foliation in the Rogue Formation (jt)

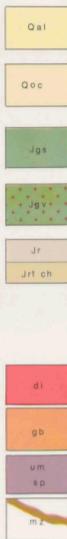
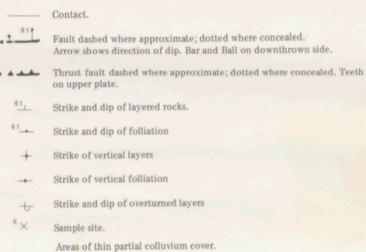


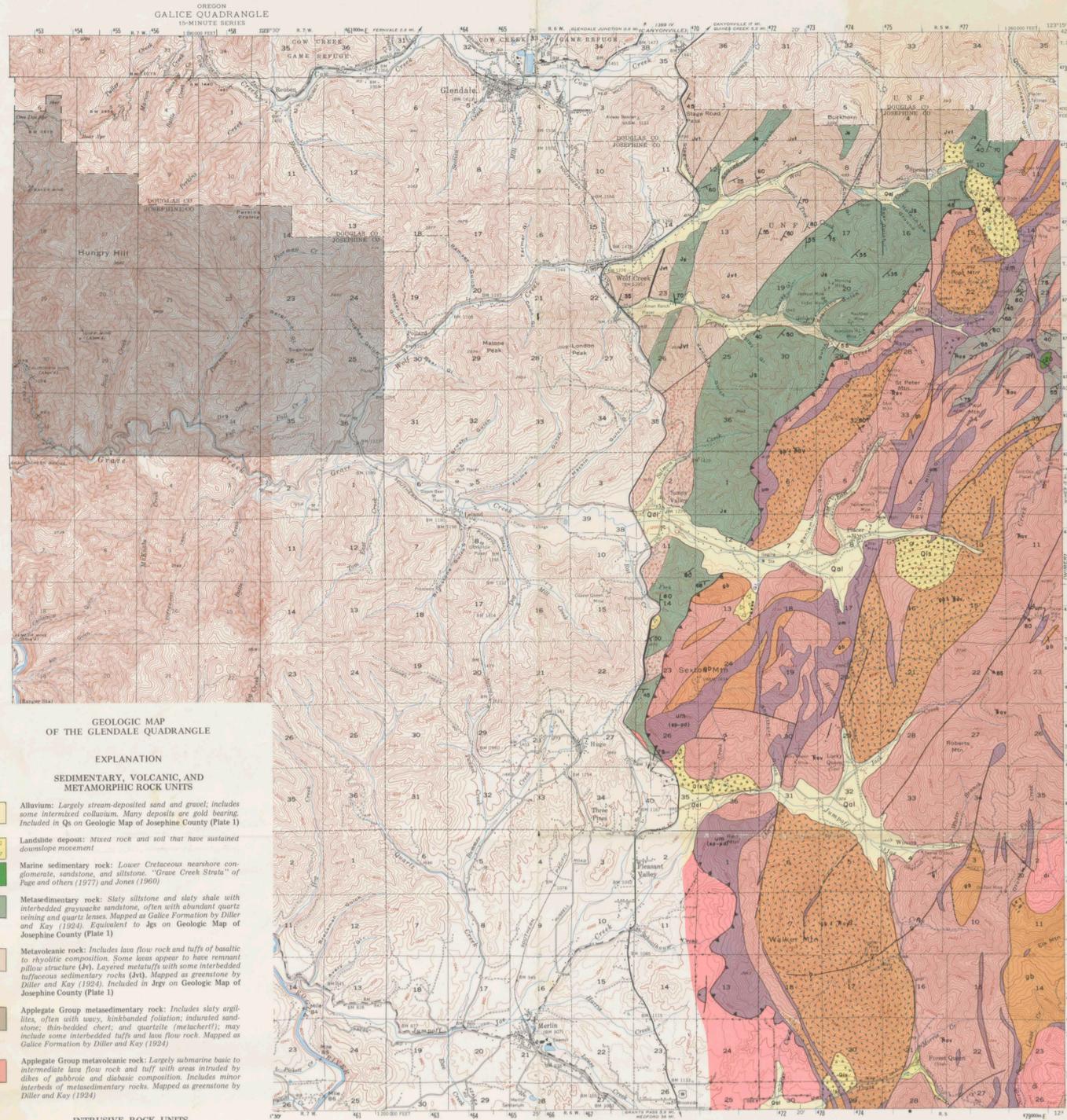
Table 5. Sample assay results T. 33 S., R. 7 W.

Map number	Sample number	Sample type	Min or prospect	Location	Lat. 1/4 Sec.	Long. 1/4 Sec.	Ag. 60/100	Ag. 60/100	Cu ppm	Zn ppm	Description
1	AMG-27	Qwb	None	NW 32 4	Trace	N61	165	42	Trace	Trace	Vein quartz in chert.
2	AMG-28	Qwb	None	NW 32 8	Trace	N61	130	26	Trace	Trace	Vein quartz in chert.
3	AMG-28	12-in. chip	Walker Mine	SW 7	0.01	0.1	190	20	Trace	Trace	Vein quartz in siliceous gneiss.
4	AMG-28	Qwb	None	SW 32 18	0.01	N61	100	30	Trace	Trace	Altered andesitic volcanic rock (Jrg).
5	AMG-29	Multiple gnb	Goff mine	N 39 20	0.008	0.2	495	44	Trace	Trace	Quartz. Labeled sample of layered metavolcanic rock with abundant titanite.
6	AMG-43	Multiple gnb	Goff mine	SW 20	Trace	N61	575	118	Trace	Trace	Quartz. Labeled sample of layered metavolcanic rock with abundant titanite.
7	AMG-41	Qwb	Goff mine	SW 39 20	0.005	N61	2,200	109	Trace	Trace	Limestone gneiss.
8	AMG-15	Qwb	Goff mine	NW 29	0.13	4.99	Trace	Trace	Trace	Trace	Massive basalt with minor disseminated white iron ore pits.
9	AMG-34	45-ft chip	Goff mine	NW 39 29	0.01	N61	883	4,200	Trace	Trace	Clipped sample of stratified zone in ash.
10	AMG-42	Multiple gnb	Goff mine	E 39 20	0.01	N61	510	70	Trace	Trace	Labeled sample of layered metavolcanic rock with abundant titanite gneiss.
11	AMG-43	Multiple gnb	Goff mine	N 32 30	Trace	Trace	400	200	Trace	Trace	Labeled sample of layered metavolcanic rock with abundant titanite gneiss.
12	AMG-44	16-ft chip	Goff mine	SE 30 01	N61	110	72	Trace	Trace	Trace	Siltstone tuff with streaks of pyrite from wall of 16-ft dike.
13	AMG-14	Qwb	None	SE 39 29	0.24	0.12	Trace	Trace	Trace	Trace	Labeled sample of iron and manganese carbonate-bearing zone.
14	AMG-23	Qwb	None	E3 32 02	N61	110	20	Trace	Trace	Trace	Vein quartz in slaty siltstone.

Geologic Symbols



**GEOLOGIC MAP
OF THE GLENDALE QUADRANGLE (in part)
JOSEPHINE COUNTY, OREGON
1979**



**GEOLOGIC MAP
OF THE GLENDALE QUADRANGLE**

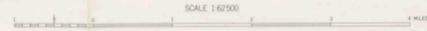
EXPLANATION

SEDIMENTARY, VOLCANIC, AND METAMORPHIC ROCK UNITS

- Qal** Alluvium: Largely stream-deposited sand and gravel; includes some intermixed colluvium. Many deposits are gold bearing. Included in Qs on Geologic Map of Josephine County (Plate 1)
- Qoc** Old Channel gravel: Poorly sorted, locally decomposed gravel intermixed with layers of gray clay and buff to red sandy soil from 200 to 600 ft above present stream level. Unit is usually gold bearing. Included in Qs on Geologic Map of Josephine County (Plate 1)
- Jgs** Marine sedimentary rock: Lower Cretaceous nearshore conglomerate, sandstone, and siltstone. "Grane Creek Strata" of Page and others (1977) and Jones (1960)
- Jgv** Metasedimentary rock: Slaty siltstone and slaty shale with interbedded graywacke sandstone, often with abundant quartz veining and quartz lenses. Mapped as Galice Formation by Diller and Kay (1924). Equivalent to Jgs on Geologic Map of Josephine County (Plate 1)
- Jm** Metavolcanic rock: Includes lava flow rock and tuffs of basaltic to rhyolitic composition. Some laas appear to have remnant pillow structure (jt). Layered meta-tuffs with some interbedded tuffaceous sedimentary rocks (Jrg). Mapped as greenstone by Diller and Kay (1924). Included in Jrg on Geologic Map of Josephine County (Plate 1)
- Jas** Applegate Group metasedimentary rock: Includes slaty argillites, often with wavy, kinbedded foliation; indurated sandstone, thin-bedded chert; and quartzite (metachert); may include some interbedded tuffs and lava flow rock. Mapped as Galice Formation by Diller and Kay (1924)
- Jav** Applegate Group metavolcanic rock: Largely submarine basalt to intermediate lava flow rock and tuff with areas intruded by dikes of gabbro and diabase composition. Includes minor interbeds of metasedimentary rocks. Mapped as greenstone by Diller and Kay (1924)

INTRUSIVE ROCK UNITS

- d1** Quartz diorite and related rock: Largely quartz-biotite-hornblende diorite with a few small areas of granodiorite and minor pegmatite and apatite dikes
- gb** Gabbro rock: Includes cumulate gabbro, metagabbro (hornblende gabbro and amphibolite), and areas with abundant gabbroic and diabase dikes in basaltic rocks
- um** Dike rock: Areas of abundant gabbro and diabase dike swarms intruding metabasalt of the Applegate Group
- um** Ultramafic rock: Largely serpentinite (sp) with some partly serpentinitized peridotite in larger bodies (sp-pd). Equivalent to um on Geologic Map of Josephine County
- sp-pd**



COMPILED BY Len Ramp 1979
Cartography by C. A. Schumacher 1979

Modified after Diller and Kay (1942); and Page and others (1978).

PLATE 3

Map prepared by
STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES