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(133)
Item 4

are very sparse or lacking. The rock mapped as a late Tertiary intrusion is a light gray, vesicular porphyry that looks more like a flow rock. It is remarkably uniform and unaltered even close to the contact zone. This area appears to be of no further interest.

No. 7. Hinkey Summit area. Although there is no Garvey land in the immediate area of Hinkey Summit (see map), the rocks along the road were checked as a matter of course. The chief rocks are gray quartz-mica schist of Mesozoic age, overlain by volcanic rocks of Tertiary age, including gray to black platy andesite or basalt and hard volcanic agglomerate. Aside from the usual effects of weathering, there is little or no alteration and no evidence of mineralization at or near Hinkey Summit.

(133) No. 8. Granite Peak area. Granite Peak, one of the high peaks in the Santa Rosa Range, is formed by a relatively small intrusive stock in the southwest part of T. 44 N., R. 39 E. There is Garvey land along the north edge of the stock. This area is reached by a narrow and rough road that extends up Lye Creek from the Martin Creek ranger station and eventually reaches the crest of the range in a broad saddle north of Granite Peak.

The northeast part of the contact zone and surrounding areas were scouted on foot. This is a rough but relatively flat broad bench between Granite Peak on the south and higher volcanic ridges on the north. Much of the area is covered by overburden. The exposed rocks are mainly light gray to pink, medium-grained granodiorite (?) seamed with tightly frozen quartz veinlets. In places there is much

float of fine-grained gray schist, but most of this rock and the exact contact zone are covered. No evidence of mineralization was found, nor were any old workings of any kind seen.

(133) No. 9. Canyon Creek area. The Canyon Creek road runs from the Winnemucca-McDermitt highway (U.S. 95) across the Santa Rosa Range south of Buckskin peak and connects southward to the Hinkey Summit road. A geologic examination was made of the rocks along the road, particularly in the vicinity of the south contact of the Tertiary intrusion in the center of T. 45 N., R. 39 E. A large block of Garvey land lies just to the west and south.

The complex contact zone occurs between fine-grained gray schist and light gray to buff rhyolite or quartz porphyry. In detail the contact is very irregular, and it is complicated by large bodies of dense, fine-grained black basalt or andesite, which are believed to be dikes.

Much of the rock in the contact zone has undergone strong hydrothermal alteration. The rhyolite is leached and softened and in part heavily iron-stained; the basalt is bleached, some of it nearly white or yellow and brown, and is heavily impregnated with dark brown iron oxide. The area looks interesting, although assays of two samples from the lower contact zone and one sample from a rhyolite dike higher in the range are negative.

<u>Sample No.</u>	<u>Gold oz./ton</u>	<u>Silver oz./ton</u>	<u>Value per ton</u>
G-CC-1	Trace	0.01	\$0.02
G-CC-2	Trace	0.04	0.06
G-CC-3	Trace	0.04	0.06
Gold @ \$43.00/oz.		Silver @ \$1.56/oz.	

Sample G-CC-1, highly altered basalt, in part bleached white, with very dark brown iron oxide. Chips from old road cut.

Sample G-CC-2, altered and iron-stained light gray rhyolite or quartz porphyry. Chips from float on hillside.

Sample G-CC-3, light gray rhyolite with much limonite. Chips from 75-foot wide dike cutting basalt high on west slope of Santa Rosa Range.

Despite the present negative results, in view of the strong hydrothermal alteration and the several near-by occurrences of quick-silver mineralization, this area probably warrants a reasonable amount of additional scouting and sampling if further work is undertaken.

No. 10. Hardscrabble Road. This is the Hardscrabble Road, which now is being completely realigned and reconstructed by the B.L.M. Eventually it will continue around the north end of the Santa Rosa Range to McDermitt. This road will give access to various parcels of Garvey land on the volcanic plateau. I mapped it quickly by compass and speedometer as far as the North Fork of the Little Humboldt River, where construction was in progress, and used it to check the volcanic rocks in the area for signs of zones of alteration. No near-by zones were noted.

(137) No. 11. Little Humboldt unit. This is the Little Humboldt unit of the Garvey holdings, part of which is in Elko County. A good gravel road runs along the river from the Eden Valley road junction at the Garvey Bullhead unit in the southeast corner of T. 41 N., R. 41 E. to the Little Humboldt unit. All of the rocks along this road are Tertiary in age. They include various volcanic flow rocks ranging from rhyolite to basalt, and also broad areas of the sedimentary