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The Round Mt. District, Nevada.

H. G. Ferguson

USGS Bull 725-I 1922 383-406

385. Production 1908-1919 Lode

Au oz	Ag oz	
19,416	11,430	1 : 0.6

387 Main Tertiary rock: porph. rhy. close to qtz-latite.
Toms Round Mt. Qtz., orthoclase, oligoclase phenos.
Also biotite

388 t-g Tuffaceous ss intruded by rhy on summit of Rd Mt

390. Gold-Lodes. Confined to the rhyo on Rd Mt & neighboring hill to E. Hills S of Rd Mt. Consist of similar rock but appear barren.
Los Gazabo vein - crops out on S flank of Rd Mt W, 15N. Yielded ore for 900' down dip, or < 350' vert. below OC. Keane vein dips S - productive only in lower levels. Mariposa N of Keane - gentle dip S
Rich ore from small veins cropping out near Top of Rd Mt W side of hill - glory hole.

391 - Keane vein seems to have followed a pre-existing flt.
Veins seldom exceed few inches in width.
Primary minerals - Au, pyrite, rare realgar.
Gauge qtz with adularia, alunite, rare fluorite.
Au rests on ~~drusy cavities~~ projecting qtz crystals in drusy cavities - crystalline.
Au on adularia. Specks of Au enclosed in alunite.

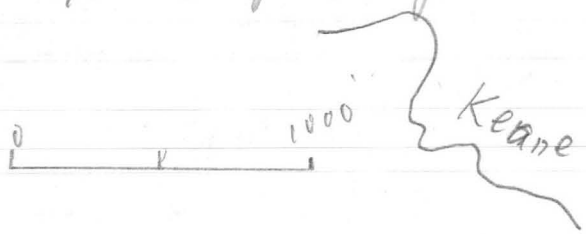
392 Realgar contemp. with qtz
Comb structure of qtz ≡

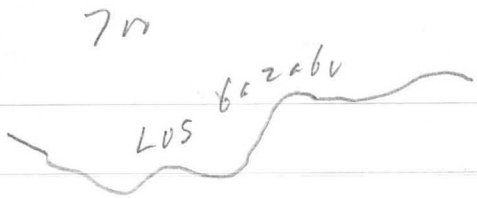
392
Adularia, associated with hi-grade ore - as small xx on projecting qtz xx of vugs.
393 Alunite primary, a little later than most vein qtz.

Alt. not widespread. Py - Seric Sil close to veins
Silic contemp. with vein filling & slightly later than Sericit.

397. Age of mineralizing probably upper Miocene or later

p. 399 Sunnyside mine - Los Gazabo ore limonite enclosing free Au - almost no qtz.
Keane - drusy qtz with crust Au as described
alunite, pyrite, realgar. Oxides —
Mariposa - Qtz +, later crushing dep. of 2nd dam (?) Au.
4w. Composite plan shows Los Gazabo & Keane veins





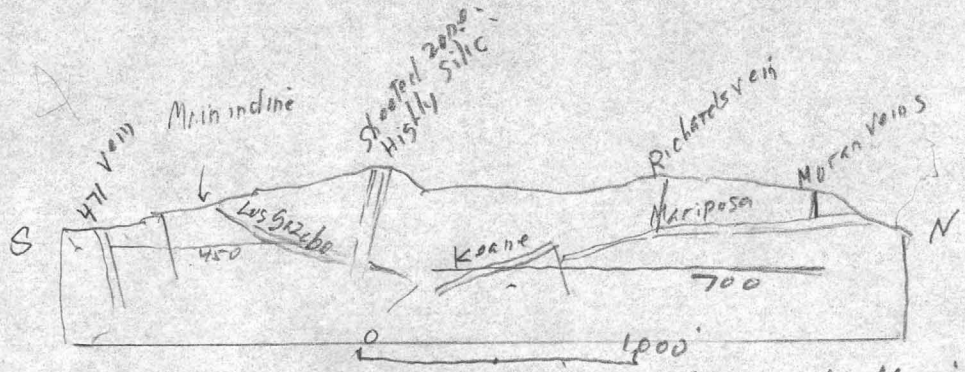
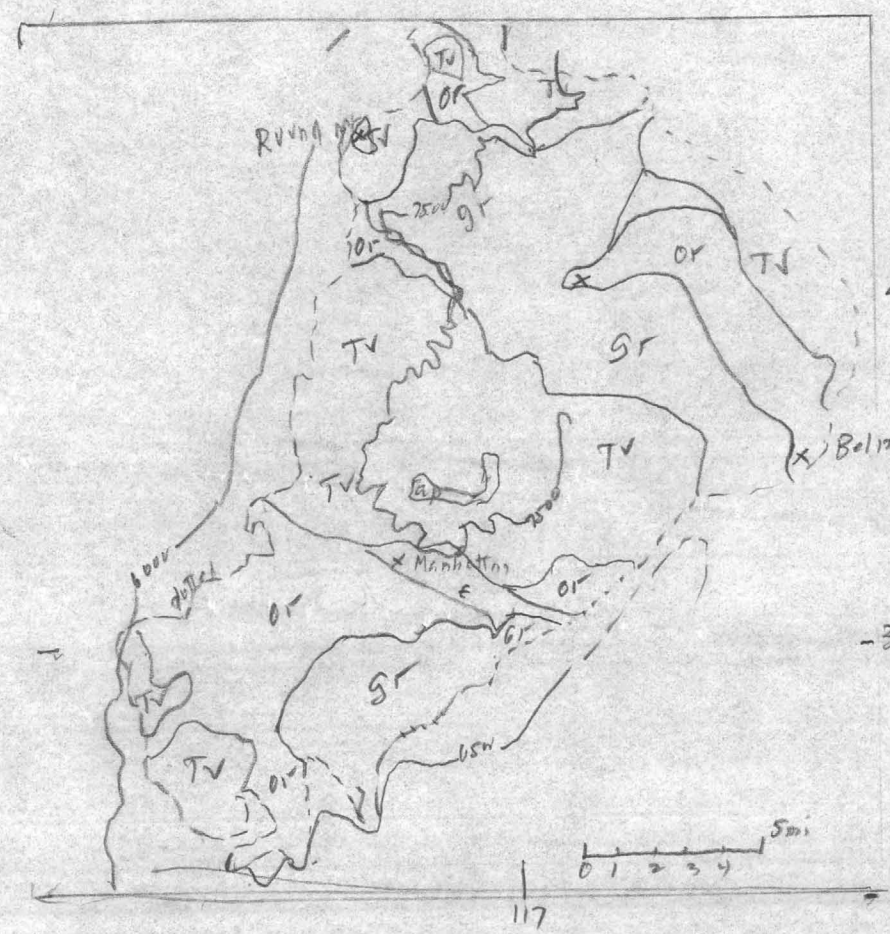


Fig. 62 p 399 Section thru Sunnyside Mine



ap = andesite porph. (Pliocene?)
Late Tert. volcs & Siebert form TV
gr etc (K?)
ordovician (ls., schist) or gr
ε? schist & ls. ε

-38-30

Fig. 59 Geologic Map of S part of Toquima Rge
p. 387
USGS Bull. 775 I