

NO PROPERTY
1 Locality 4112
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Clark		Storey	Hg		Epithermal
QUAD SHEET					
Derby Dam					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 35, T20N, R22E		4380940	286950	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
A single small prospect pit					
SAMPLE SITE(S)					
4112					
REMARKS					
REFERENCES					
Quade and others, 1990a, 1990b					
FIELD EXAMINER(S)					
L.J. Garside, 6/1/1989					
OCCURRENCE					
Metallic					

NO PROPERTY
1 Locality 4112
OTHER NAME(S)

GEOLOGY

Silicified and iron-stained andesite is present on the dump of a small pit. The surrounding rocks are fresh hornblende andesite, and altered rocks are not exposed in the pit wall. Either the altered rocks underlie fresh andesite, or the area of alteration is small. Alteration is similar to that at the nearby Taylor-Branch prospect (sample site 3428). An unidentified white, soft, crystalline mineral (barite(?)) was observed. Sample 4112 is silicified andesite from the dump.

NO PROPERTY
2 Taylor-Branch prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Storey	Hg	Epithermal
QUAD SHEET			
Derby Dam			
OWNERSHIP			
Santa Fe Railroad Co.			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 35, T20N, R22E	4380910	286320	11
PRODUCTION			
Very small.			
HISTORY			
Located by Clyde Taylor and Fred Branch in 1931. Installed 2-pipe retort in 1940-41 (Bailey and Phoenix, 1944).			
DEVELOPMENT			
Prospect pit (shown on map as shaft) and an adit below road (covered(?)). Bailey and Phoenix (1944) reported workings consisting of a 16.5 m inclined shaft with 60 m of NE-trending drifts at the 9.7 m level.			
SAMPLE SITE(S)			
3428			
REMARKS			
REFERENCES			
Bailey and Phoenix, 1944; Bonham and Papke, 1969; Mason and others, 1996, Rec. M055256; Quade and others, 1990a, 1990b; Rose, 1969; Tingley, 1990; U.S. Bureau of Mines, 1995, Seq. 0320290017; Bailey, undated			
FIELD EXAMINER(S)			
L.J. Garside, 11/18/1988			
OCCURRENCE			
Metallic			

NO PROPERTY
2 **Taylor-Branch prospect**
OTHER NAME(S)

GEOLOGY

Silicified and iron-stained Tertiary tuffaceous(?) sedimentary rocks are exposed in a pit adjacent to the main road. Hydrothermal breccia zones are present in the exposures, and Asmera Minerals (U.S.) geologists report highly anomalous Hg with slightly(?) anomalous Sb. Au is reportedly not anomalous. Sample 3428 is a grab sample of the silicified, brecciated, and iron-stained sedimentary rock. Cinnabar is found as scattered crystals in the tuff and fills incipient fractures in the silicified rock (Bailey and Phoenix, 1944). U.S. Bureau of Mines samples contained 1-15 lbs per ton (0.05-0.15 %) Hg. Pyrite occurs as veinlets in scattered chaledony nodules in the breccia, and gypsum and jarosite are fairly abundant in the surface workings (Bailey, undated).

NO PROPERTY
3 Unnamed prospects
OTHER NAME(S)
Diatomite prospects

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Storey	Diatomite	Sedimentary

QUAD SHEET
Derby Dam

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 4, T19N, R23E	4379080	293620	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Several bulldozer cuts, one nearly 100 m long.

SAMPLE SITE(S)

REMARKS
UTMs from center of cluster of three prospects on topographic map.

REFERENCES
Quade and others, 1990a

FIELD EXAMINER(S)
L.J. Garside, 6/1/1989

OCCURRENCE
Nonmetallic

NO PROPERTY
3 **Unnamed prospects**

OTHER NAME(S)
Diatomite prospects

GEOLOGY

Several prospects in Sec. 4 are for diatomite. In the pits white, finely laminated diatomite and diatomaceous shale are locally interbedded with gray, tuffaceous sandstone. Underlying and overlying(?) rocks are Kate Peak Formation andesite flows.

NO PROPERTY
4 Unnamed prospects
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Storey	Building stone(?)	Igneous
QUAD SHEET			
Derby Dam			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 35, T20N, R22E	4381180	287210	11
PRODUCTION			
Small(?)			
HISTORY			
DEVELOPMENT			
One small pit.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Quade and others, 1990a			
FIELD EXAMINER(S)			
L.J. Garside, 6/1/1989			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
4 **Unnamed prospects**
OTHER NAME(S)

GEOLOGY

A small pit in relatively fresh Tertiary Kate Peak Formation andesite apparently was used to mine a small amount of blocky rock for building stone(?). The flows of the Kate Peak here are horizontally and vertically jointed; the rock breaks into blocks about 50 x 30 x 15 cm.

NO PROPERTY
5 Copper Ridge No. 1 claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Cu	
QUAD SHEET			
Bedell Flat			
OWNERSHIP			
E. and L. Smith (1984)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 19, T22N, R20E	4404394	261484	11
PRODUCTION			
None			
HISTORY			
Located in or before 1972 by L. Smith as one of six claims.			
DEVELOPMENT			
Two small pits, a shallow (<5m) shaft (caved), and a short (<20 m) adit.			
SAMPLE SITE(S)			
4155			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims Platt, 1992			
FIELD EXAMINER(S)			
L.J. Garside, 8/30/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
5 Copper Ridge No. 1 claim
OTHER NAME(S)

GEOLOGY

A light gray, saccharoidal quartz vein, N50°W, 90°, cuts hornblende-biotite granodiorite. The vein varies from 0.3 to 3 m wide and contains sparse oxide copper minerals (copper pitch, chrysocolla, malachite) and limonite. South of the property, the granodiorite is veined with epidote and quartz. Sample 4155 is a select sample of copper-bearing vein quartz from dump of shaft.

NO PROPERTY
6 Copper Gulch No. 1 claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Cu	Polymetallic vein

QUAD SHEET			
Bedell Flat			

OWNERSHIP			
Irwin Baker and Alton Jack (1968)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 15, T22N, R19E	4406910	256910	11

PRODUCTION
None(?)

HISTORY

DEVELOPMENT
Several pits, short adits and shallow shafts spread over several hectares. There are at least 5 Copper Gulch claims.

SAMPLE SITE(S)
3417

REMARKS

REFERENCES
Quade and others, 1990a, 1990b; Tingley and others, 1999

FIELD EXAMINER(S)
L.J. Garside, 12/3/1986

OCCURRENCE
Metallic

NO PROPERTY
6 Copper Gulch No. 1 claim
OTHER NAME(S)

GEOLOGY

Malachite and limonite occur as fracture coatings in a N45°W, 90° fault zone in Mesozoic gray biotite schist. The zone is about 1 m wide and is explored by a short inclined adit. The light colored altered(?) zone along the fault consists of sparse vein(?) quartz with sericite and biotite. Possibly the sericite is formed by alteration of biotite. No sulfide minerals seen; possibly they were pyrite and chalcopyrite. The metamorphic rocks probably have an intermediate-composition volcanic protolith. This prospect resembles many others on the north end of Freds Mountain to the west of this locality. Sample 3417 is select dump material of copper- and iron-stained rock.

NO PROPERTY
11 Unnamed adit

OTHER NAME(S)

Section 29 adit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Cu	
QUAD SHEET			
Bedell Flat			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 29, T22N, R19E	4403615	263102	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Small dump of caved adit.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Quade and others, 1990a; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 12/4/1986			
OCCURRENCE			
Metallic			

NO PROPERTY
11 Unnamed adit

OTHER NAME(S)

Section 29 adit

GEOLOGY

The reason for development at this prospect is obscure. The wall rock and all rock on dump is fresh Mesozoic quartz diorite. A prospect shown on the topographic map 250 m to the southwest appears to have some fresh rock on dump, but was not visited. A borrow pit for road metal is located in the canyon 400 m southwest; it is used sporadically.

NO PROPERTY
12 Snow Cloud claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Cu	Vein
QUAD SHEET			
Bedell Flat			
OWNERSHIP			
Jack Alton and Yuri W. Baker (1968)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 9, T22N, R19E	4409410	258920	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Several shallow pits and bulldozer cuts.			
SAMPLE SITE(S)			
3411			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 12/1/1986			
OCCURRENCE			
Metallic			

NO PROPERTY
12 **Snow Cloud claim**

OTHER NAME(S)

GEOLOGY

Limonite and hematite gossan and boxworks occur with malachite and very sparse vein quartz along and within a N40°W, 55°NE fault zone in Mesozoic meta-andesite. The fault is 10-20 cm wide; iron- and copper-staining occur over a width of about 1 m. The mineralized zone is parallel to regional(?) metamorphic foliation. Sample 3411 is select samples of gossan and iron-stained rock collected from dumps and outcrop.

NO PROPERTY
13 Tasha-Me prospect

OTHER NAME(S)
Tasha Mine; Tasha claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	?	Polymetallic vein

QUAD SHEET
Bedell Flat

OWNERSHIP
Michael Robbins and Edward Kusal (1986)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 22, T22N, R19E	4403830	258980	11

PRODUCTION
None(?)

HISTORY
Relocation of earlier claim and workings as Tasha Mine 20 Jul 1955 by Carlton Brown and Armand Girola and kept current to 1957. Re-located as Tasha Me 8 Jun 1984 by Edward Kusal and Michael Robbins and kept current til 1986.

DEVELOPMENT
Short adit and possibly other minor workings up canyon to west. Adit trends southwest.

SAMPLE SITE(S)
3415, 3416

REMARKS

REFERENCES
Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims Records, 1955, 1957, 1984, 1986

FIELD EXAMINER(S)
L.J. Garside, 12/2-3/86

OCCURRENCE
Metallic

NO PROPERTY
13 Tasha-Me prospect

OTHER NAME(S)

Tasha Mine; Tasha claim

GEOLOGY

A short adit (with locked door) is cut in Mesozoic quartz diorite. The rock at the portal is fresh. A small amount of quartz vein material (with sericite) and iron-stained wall rock was apparently encountered at the back of the adit, as it is seen only on the end of the dump. No metallic minerals were noted on the dump. The adit apparently was oriented so as to intersect a N40°W, 90° fault zone exposed on the hillside above. It is not certain if the adit intersected the fault. Possibly the adit with the door is a powder house. The fault can be traced for about 125 m, is about 1 m wide at one exposure, and consists of spotty brecciated quartz, gouge, and sericitized wall rock (quartz diorite). Outside the 1 m mineralized zone the wall rock is fresh except for a few narrow alkali-feldspar(?) alteration envelopes along fractures. The mineralized fault contains quartz, jarosite, limonite, malachite, and copper pitch (rare). Sample 3415 is a select sample of vein quartz and iron-stained Mesozoic quartz diorite from adit in canyon with mostly fresh rock on dump and locked door. Sample 3416 is a select sample of quartz material with limonite, malachite, jarosite, and sparse copper pitch.

NO PROPERTY
14 Till Then No. 1 claim

OTHER NAME(S)
Till Then claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Ag	Polymetallic vein
QUAD SHEET			
Bedell Flat			
OWNERSHIP			
Renolda Miller, Mary Brown, Luther Hopkins (May 1984)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 1, T22N, R19E	4408300	257260	11
PRODUCTION			
None			
HISTORY			
Located 21 Nov 1954 by Michael Brown and Renolda Court. Relocated 2 Apr 1956 by Mr. and Mrs. Clyde C. Miller, Jess B. Hess, and Paul I. Parish. Kept current until 1971 by Clyde C. Miller and Associates.			
DEVELOPMENT			
Short bulldozer cut and small prospect pit.			
SAMPLE SITE(S)			
3410			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims Records, 1956, 1971			
FIELD EXAMINER(S)			
L.J. Garside, 11/18/1986			
OCCURRENCE			
Metallic			

NO PROPERTY
14 Till Then No. 1 claim

OTHER NAME(S)
Till Then claim

GEOLOGY

Prospect explores a N10°E, 40°SE fault zone in Mesozoic quartz monzonite. The fault has a 15 cm gouge zone and local patches of iron-stained, brecciated vein quartz up to 60 cm. The vein quartz is quite spotty, and only one patch was observed in outcrop. The white to clear quartz contains limonite concentrations which may represent boxworks after copper or from sulfide minerals in part. Very minor green copper stain was noted. The vein and wall rock are overlain just uphill (east) by the Oligocene tuff of Whisky Spring. Vein quartz similar to this was observed as blocks in this tuff 4.3 km to the west. Sample 3410 is a grab sample of iron-stained, brecciated vein quartz material with rare copper stain from outcrop and dump.

NO PROPERTY
15 Mammoth Lode Claim
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Fred's Mountain		Washoe	?		Quartz vein

QUAD SHEET					
Bedell Flat					

OWNERSHIP					
C. Nash, 1972					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE ¼ Sec. 10, T22N, R19E		4403850	254260	11	

PRODUCTION					
None					

HISTORY					
Located in or before 1972 as 1 of 24 claims by C. Nash.					

DEVELOPMENT					
One small pit with old car body (VW) in it.					

SAMPLE SITE(S)					
3408					

REMARKS					

REFERENCES					
Quade and others, 1990a, 1990b; Tingley and others, 1999					

FIELD EXAMINER(S)					
L.J. Garside, 11/20/1986					

OCCURRENCE					
Metallic					

NO PROPERTY
15 Mammoth Lode Claim
OTHER NAME(S)

GEOLOGY

A strongly sheared and brecciated white, massive, iron-stained quartz vein is exposed for a strike length of about 60 m. The vein is up to 25 m wide, and has a 3-4 m parallel vein on each side. The wall rock is not well exposed, but is probably Mesozoic metavolcanic rocks cut by granodiorite? prophyry dikes. The vein strikes N35°W; shears within the vein have this same bearing and dip generally 75°NE. Limonite and sparse hematite(?) occur as masses, coatings, and boxworks. Sample 3408 is a grab sample of white vein quartz and limonite collected from outcrop.

NO PROPERTY
16 Locality 3424
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE	
Freds Mountain		Washoe	Cu		Quartz vein	
QUAD SHEET						
Bedell Flat						
OWNERSHIP						
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE		
SE ¼ Sec. 24, T22N, R19E		4408340	256030	11		
PRODUCTION						
None						
HISTORY						
DEVELOPMENT						
A bulldozer cut and several small prospect pits.						
SAMPLE SITE(S)						
3424						
REMARKS						
REFERENCES						
Bonham and Papke, 1969; Quade and others, 1990a, 1990b; Tingley and others, 1999						
FIELD EXAMINER(S)						
L.J. Garside, 5/13/1987						
OCCURRENCE						
Metallic						

NO PROPERTY
16 Locality 3424
OTHER NAME(S)

GEOLOGY

Several minor prospects are located along a northwest(?) -trending zone in granodiorite. Ocherous limonite occurs at some pits, and spotty vein quartz with some open-space textures was noted on two small pit dumps. Sample 3424 is a select sample of vein quartz from a shallow pit.

NO PROPERTY
17 Copper Ridge No. 6 claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Cu	Vein

QUAD SHEET			
Bedell Flat			

OWNERSHIP			
L. Smith (1974)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 19, T22N, R20E	4404070	256460	11

PRODUCTION			
None			

HISTORY			
Located in or before 1972 by L. Smith as one of six claims.			

DEVELOPMENT			
A bulldozer cut and several small prospect pits.			

SAMPLE SITE(S)			
4154			

REMARKS			

REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims Platt, 1977			

FIELD EXAMINER(S)			
L.J. Garside, 7/30/1989			

OCCURRENCE			
Metallic			

NO PROPERTY
17 Copper Ridge No. 6 claim
OTHER NAME(S)

GEOLOGY

A small prospect pit explores an epidote-quartz-diopside(?) vein or mineralized zone. Limonite (after pyrite?) and chrysocolla (on fractures) occur in the zone. The mineralized zone is very short, and appears to trend in a northerly direction. Sample 4154 is a select sample of copper-stained, epidote-vein quartz material.

NO PROPERTY
18 Apex Lode Claim
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Fred's Mountain		Washoe	Cu		Mineralized fault zone
QUAD SHEET					
Bedell Flat					
OWNERSHIP					
C. Nash (1972)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE 1/4 Sec. 9, T22N, R19E		4409680	260150	11	
PRODUCTION					
None					
HISTORY					
Located in or before 1972 as 1 of 24 claims by C. Nash.					
DEVELOPMENT					
A bulldozer cut, very small pit, and shallow drill hole.					
SAMPLE SITE(S)					
3412					
REMARKS					
REFERENCES					
Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims Platt, 1974					
FIELD EXAMINER(S)					
L.J. Garside, 12/1/1986					
OCCURRENCE					
Metallic					

NO PROPERTY
18 **Apex Lode Claim**
OTHER NAME(S)

GEOLOGY

Sparse copper stain (malachite) occurs in an area of phyllic alteration or metamorphism (sericite) in light gray meta-andesite (Mesozoic). The sericitized zone is about 20 m wide and is in the footwall of a N80°W, 40°NE fault. Sample 3412 is a select sample of malachite-stained, sericitized meta-andesite.

NO PROPERTY
19 Turquoise No. 1 Lode Claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Cu	Vein
QUAD SHEET			
Bedell Flat			
OWNERSHIP			
C. Nash (1972)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 10, T22N, R19E	4408720	257460	11
PRODUCTION			
None			
HISTORY			
Located in or before 1972 as 1 of 24 claims by C. Nash.			
DEVELOPMENT			
Several bulldozer cuts.			
SAMPLE SITE(S)			
3413			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 12/1/1986			
OCCURRENCE			
Metallic			

NO PROPERTY
19 Turquoise No. 1 Lode Claim
OTHER NAME(S)

GEOLOGY

Spotty vein quartz with limonite and sparse malachite occurs in medium-gray meta-andesite. The vein is not well exposed; fragments in a pit suggest a northerly trend and width of 0-8 cm. More extensive cuts about 75 m east contain malachite as fracture coatings on meta-andesite. Sample 3413 is a select sample of vein with malachite and limonite.

NO PROPERTY
20 Hill-Johnson prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Ag(?), Au(?), Mo, or Ti(?)	Greisen(?)
QUAD SHEET			
Reno NE			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 27, T22N, R19E	4403840	260660	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
A 6 m shaft.			
SAMPLE SITE(S)			
3422			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Quade and others, 1990a, 1990b; Schilling, 1962; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320320147			
FIELD EXAMINER(S)			
L.J. Garside, 5/12/1987			
OCCURRENCE			
Metallic			

NO PROPERTY
20 **Hill-Johnson prospect**
OTHER NAME(S)

GEOLOGY

A shallow shaft was sunk on a small area (about 100 m in diameter) of altered granite(?), which appears to intrude Mesozoic foliated granodiorite. The rock on the dump consists of a somewhat porous mass of mainly crystalline quartz, with muscovite in up to 3 mm books and sparse to rare black tourmaline. The mineralization is similar to greisen-like Ti-bearing mineralization in prospects to the east on Hungry Mountain (nos. 9, 7, and 158). Brown and yellow iron-oxide minerals coat fractures and are found as probable pseudomorphs after pyrite. Locally, it is possible to see less altered rock, which appears to be granite containing sparse biotite? Sample 3422 is a select dump sample of silicified and sericitized granite with some limonite. Schilling (1962) reported that dark to pale-blue molybdenite stains (illsemanite?) are found in this area, on quartz stringers forming a 30-60 cm wide zone in schist; the zone was reported to strike north, dip gently west, and could be traced for 100 m or more. No illsemanite or molybdenite was observed in the vicinity in 1987.

NO PROPERTY
21 Babe No. 1 claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Quartz vein
QUAD SHEET			
Olinghouse			
OWNERSHIP			
Al Cabanne, ORACO (1983)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 29, T21N, R23E	4404680	261280	11
PRODUCTION			
Minor			
HISTORY			
1980: Operated by Jack Wilcox. 1983: Operated by William Cocanour and Jim DeSilva			
DEVELOPMENT			
Short adit and crosscuts, totaling less than 100 m. Mill and gravity concentrator listed in 1983.			
SAMPLE SITE(S)			
4129, 4130			
REMARKS			
REFERENCES			
Geesan, 1980; Nevada State Mine Inspector, 1981, 1982, 1983; Quade and others, 1990a, 1990b; Tingley and others, 1999, U.S. Bureau of Mines, 1995, Seq. 0320310269			
FIELD EXAMINER(S)			
L.J. Garside, 6/28/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
21 **Babe No. 1 claim**

OTHER NAME(S)

GEOLOGY

Free visible crystalline gold occurs with drusy quartz along very thin (1-3 mm) quartz veins which cut a dike and adjacent wall rock basalt flows and andesite lahar(?). The gold-bearing veinlets appear to be concentrated in the dike, which is a light gray, porphyritic dacite with slightly darker, local cognate inclusions. The Tertiary basalt which is cut by the dike is nearly black and locally vesicular (and amygdaloidal). Epidote is a common associate of the veined rock, and calcite occurs locally in veinlets. Gold is usually associated with quartz but can be on calcite. Chrysocolla also occurs on vein surfaces with limonite after pyrite. The dacite dike is about 11 m wide and continues for a considerable distance on the surface. In the vicinity of the Renegade claim to the south gold reportedly occurs mainly in wall rock veins, not in the dike. Free gold can be found on outcrop at Babe No. 1 in the dike. Sample 4129 is a select sample of dacite dike rock with gold-bearing quartz veinlets collected from surface exposures. Sample 4130 is a sample of clay-rich gold ore from a narrow shear worked underground.

NO PROPERTY
22 Bosici Mines
OTHER NAME(S)
Gold Eagle claims (1986?)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Ag(?), Au		Low-sulfidation epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 21, T21N, R23E		4407930	256190	11	
PRODUCTION					
Unknown					
HISTORY					
DEVELOPMENT					
A number of adits; several probably 50-100 m. Drill holes up to 175 m, probably by Homestake in 1986(?).					
SAMPLE SITE(S)					
4152, 4153					
REMARKS					
REFERENCES					
Geesan, 1980; Quade and others, 1990a, 1990b; Tingley and others, 1999; Garside and others, 2000; Garside and Bonham, 2003					
FIELD EXAMINER(S)					
L.J. Garside; H. F. Bonham, Jr., 8/10/1989					
OCCURRENCE					
Metallic					

NO PROPERTY
22 **Bosici Mines**
OTHER NAME(S)
Gold Eagle claims (1986?)

GEOLOGY

Workings in the vicinity of these samples explore silicified zones and veins with drusy quartz and sparse manganese oxide staining. Cerargyrite(?) may be present. The veins and silicified zones are within or closely associated with altered to fresh felsic dikes which cut amygdaloidal basalt flows of Miocene age (Pyramid sequence; Garside and Bonham, 2003). The dikes trend N15°E and are mainly near vertical. Some contain biotite and feldspar phenocrysts and at least one phase is bleached and contains disseminated limonite and pseudomorphs after pyrite. Sample 4153 is from a vein and silicified zone in this dike rock. At sample site 4152 vesicles in basalt are filled with, from outside inward, a thin rim of celadonite and/or serpentine, crystalline epidote overlain with and intergrown with radially crystallized quartz (possibly pseudomorphic after a zeolite mineral), and calcite with oxide copper minerals. Some chalcocite and bornite(?) were also observed in the central part of filled vesicles. The age of mineralization in the Olinghouse District is about 10.5 Ma (Garside and others, 2000). Sample 4153 is select basalt with mineralized vesicles. Sample 4153 is select silicified felsic dike and quartz vein material.

NO PROPERTY
23 Buster Mines

OTHER NAME(S)
TJ claims (1988?)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Ag, Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 21, T21N, R23E	4408350	256700	11
PRODUCTION			
Small(?). Initial production \$100+ per ton.			
HISTORY			
High-grade float discovered in spring, 1905, by A. J. Ingalls. Tunnel driven with brief production period. Surface deposit worked out and claim sold to Ohio-Nevada Mining Co. in Feb 1906.			
DEVELOPMENT			
Shaft(?) with moderate-sized dump. New bulldozer roads and at least 3 rotary drill holes done in 1988 by Billiton Minerals USA, Inc. Reportedly none were deeper than 175 m.			
SAMPLE SITE(S)			
4128			
REMARKS			
REFERENCES			
Geesan, 1980; Mason and others, 1996, Rec. M231125; Townley, 1985; Quade and others, 1990a, 1990b; Tingley and others, 1999; Bonham and Papke, 1969; U.S. Bureau of Mines, 1995, Seq. 0320310092			
FIELD EXAMINER(S)			
L.J. Garside, 6/28/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
23 **Buster Mines**

OTHER NAME(S)
TJ claims (1988?)

GEOLOGY

Several prospects in this area are in the vicinity of a northerly-trending zone of alteration and light-colored dacite dikes which cut dark greenish gray andesite or basalt. Limonite pseudomorphs after pyrite occur in the dike rock which is also altered and appears to be silicified and cut by vein quartz in samples from the dump (location 4128). The trend of minearization in the working sampled could not be determined. Sample 4128 is a select sample of silicified dacite and vein quartz from a dump. Telluride minerals (petzite and coloradoite) were reported in ore from the Buster Mine (Bonham and Papke, 1969).

NO PROPERTY
24 Derby Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	W	Skarn
QUAD SHEET			
Fernley West			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 13, T20N, R23E	4403110	256970	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
An adit and 2 small pits (three prospect symbols on topographic map) and more extensive adit which is completely covered by the I-80 highway fill.			
SAMPLE SITE(S)			
4116			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; John and others, 1993; Stager and Tingley, 1988; Rose, 1969; Quade and others, 1990a, 1990b; U.S. Bureau of Mines, 1995, Seq. 0320310012			
FIELD EXAMINER(S)			
L.J. Garside, 6/1/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
24 Derby Mine
OTHER NAME(S)

GEOLOGY

Scheelite is reported to occur in garnet-bearing skarn adjacent to Mesozoic granitic rock (see Stager and Tingley, 1988, for a detailed description). Garnet and quartz are common in the skarn and epidote is less common. The small area of Mesozoic rock outcrop here is geologically relatively complex. Several compositional variants of granitic rock (diorite, granite, diorite(?) pegmatite) are present. No scheelite was observed on dumps or with black light in the collected sample (no. 4116). Select dump sample 4116 is iron-stained quartz-garnet skarn with local white quartz veinlets.

NO PROPERTY
25 Golden Hawk No. 8

OTHER NAME(S)
Golden Hawk Claims

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Ag(?), Au(?)	Low-sulfidation epithermal
QUAD SHEET			
Wadsworth			
OWNERSHIP			
M. Sauvola (1984)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 14, T21N, R23E	4392870	291920	11
PRODUCTION			
Minor(?)			
HISTORY			
Located in 1984 by M. Sauvola as 1 of 28 claims.			
DEVELOPMENT			
Three relatively short adits or inclined shafts. Workings pre-date these claims.			
SAMPLE SITE(S)			
4146, 4147, 4148			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims Platt, 1984			
FIELD EXAMINER(S)			
L.J. Garside; H. F. Bonham, Jr., 8/1/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
25 Golden Hawk No. 8

OTHER NAME(S)
Golden Hawk Claims

GEOLOGY

The workings at the main area are along a fault zone which contains crushed, pyritic quartz vein material. the fault is N60°E, 70°NW and about 30 cm wide. Wall rock is silicified Oligocene tuffs of Whiskey Springs. A nearby biotite and plagioclase-bearing, intermediate-composition dike or sill is also altered and contains epidote. In another adit a N55°E, 65°SE fault has slickensides which rake 18°SW in the fault plane. Unprospected areas of silicified and quartz-veined tuff were sampled nearby (samples 4147, 4148). At locality 4148 numerous quartz veins have an attitude of N30°E, 80°SE to 90°. Wall rock at these prospects is also tuffs of Whiskey Spring. Sample 4146 is a select sample of vein quartz from dumps. Sample 4147 is a sample of silicified tuff and quartz stockwork from an unprospected area across the canyon to the southwest. Sample 4148 is a grab sample of quartz vein material from veined welded tuff.

NO PROPERTY
26 Green Hill Mine
OTHER NAME(S)
Olinghouse Mine; Olinghouse Placer

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Eluvial placer

QUAD SHEET
Olinghouse

OWNERSHIP
Cliff Resources, Green Hill Mining Venture (1987)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 29, T20N, R23E	4393800	294150	11

PRODUCTION
Estimated at 20,000 ounces

HISTORY
1964: Greenhill Development Co. operated dredge. 1985-1987: operated as joint venture between Peter Kiewit Mining Group and Nevada Pacific Mining Co. 1987-1988: Cliff Resources operated it at an increased production rate.

DEVELOPMENT
Open pit mine.

SAMPLE SITE(S)

REMARKS
Operated by Wytana, Inc., in 1986(?)

REFERENCES
Gallagher, 1964; Mason and others, 1996, Rec. M231128; Nevada State Inspector of Mines, 1986, 1989; Quade and others, 1990a; Tingley and others, 1999; U.S.Bureau of Mines, 1995, Seq. 0320310088, 0320310089; Wilson and others, 1999

FIELD EXAMINER(S)
L.J. Garside, 6/27/1989

OCCURRENCE
Metallic

NO PROPERTY
26 Green Hill Mine
OTHER NAME(S)
Olinghouse Mine; Olinghouse Placer

GEOLOGY

Free gold occurs in eluvial placers in the canyon on the southeast flank of Green Hill. Quartz vein deposits occur in andesite and basalt flows of Tertiary age on Green Hill. Gold was recovered by gravity means; fine tailings were piped to the east in Dodge Flat. Fine gold was apparently not recovered during the pre-Cliff Resources efforts. Cliff installed spiral riffle bowls to recover +400 mesh gold. Scheelite and cinnabar were noted in the heavy mineral fractions during gravity concentration (Mitch Fanning, oral commun., 1989).

NO PROPERTY
27 Keystone Mine
OTHER NAME(S)
Ora claims; Nevada-Keystone Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal

QUAD SHEET			
Olinghouse			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 30, T21N, R23E	4393726	294267	11

PRODUCTION
\$20 per ton in 1900. 856 tons of ore valued at \$10,682 in 1910. Ore averaged \$15-40 per ton.

HISTORY
Located about 1897 as Ora placer claim. Main shaft and workings started in 1900. Operated by the Keystone Mining Co. in 1910.

DEVELOPMENT
Adit with large dump. Numerous other workings in the vicinity. Adit trends N30E. Main shaft 60 m deep. 365 m of workings.

SAMPLE SITE(S)
4126

REMARKS

REFERENCES
Bonham and Papke, 1969; Couch and Carpenter, 1943; Mason and others, 1996, Rec. M231129; Townley, 1985; Quade and others, 1990a, 1990b; Tingley and others, 1999; U.S. Bureau of Mines, 1996, Seq. 0320310090

FIELD EXAMINER(S)
L.J. Garside, 6/27/1989

OCCURRENCE
Metallic

NO PROPERTY
27 **Keystone Mine**

OTHER NAME(S)

Ora claims; Nevada-Keystone Mine

GEOLOGY

Free gold is reported to occur in quartz veins and veinlets. The wall rock is Tertiary andesite. Quartz veins up to 6 m? wide are reported from the Keystone. Quartz vein material is very rare on the dump (shown as tailings on the topographic map). The sample from the dump is mostly propylitized rock. Some carbonate vein material was also observed on dump. The shafts and adits are located on NW-striking fault zones which occur in and adjacent to a dacite porphyry dike. The ore bodies consist of pyritized, silicified breccia and lenticular veins of calcite and quartz located within the fault zones. Free gold and pyrite occur in the vein material. Sample 4126 is a select sample of iron-stained andesite with sparse pyrite and rare thin quartz veinlets collected from the dump.

NO PROPERTY
28 Lady Bug No. 11 claim
OTHER NAME(S)
Lady Bug XI

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Mineralized fault zone

QUAD SHEET			
Fernley West			

OWNERSHIP			
Lady Bug Mines, Inc. (sign); claim notice Ed. and W. L. Rockefeller, Sun River Mining Co. (claim notice) (1986)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 11, T20N, R23E	4385750	298310	11

PRODUCTION
None(?)

HISTORY
SP shows two shafts in 1960. Located 1980 by E. Rockefeller as one of 11 lode claims and a mill site. Last assessment year 1986. Case closed 1989.

DEVELOPMENT
Numerous pits, and two shafts; one with a dump 40 m long, 5 m wide and 2-5 m high.

SAMPLE SITE(S)
4123

REMARKS

REFERENCES
Beers, 1960a; Quade and others, 1990a, 1990b; Washoe County Mining Claims Platt, 1983; U.S.Bureau of Land Mamangement, 1997b; U.S. Bureau of Mines, 1995

FIELD EXAMINER(S)
L.J. Garside, 6/26/1989

OCCURRENCE
Metallic

NO PROPERTY
28 Lady Bug No. 11 claim

OTHER NAME(S)
Lady Bug XI

GEOLOGY

Prospect pits and underground workings explore altered and quartz-veined zones in Tertiary andesite flows(?). The wall rock is a distinctive, platy plagioclase phenocryst andesite, dark gray in color. The phenocrysts of plagioclase are up to 1 cm in diameter and 1-2 mm thick. The unit resembles flows in basal Alta Formation in the Reno area. Light gray altered andesite with equant plagioclase and originally, biotite(?) and hornblende(?) was observed on a dump. Two mineralized fault zones were noted: a 7-10 m wide fault breccia zone with an attitude of N65°E, 90°, and 1 m wide fault zone with N35°E, 75° attitude. In the iron-stained and argillized fault breccia zones, quartz veins and stockworks occur with iron-oxide minerals. No sulfide minerals were noted. The quartz vein material is milky to clear; chalcedony is also noted. Late calcite occurs rarely in the center of veins. Iron-stained, argillized and silicified wall rock occurs for a few meters outside of the fault crush zone; outward from that is propylitized rock. The area of sample 4123 is the main mined or prospected area. Prospects and other workings shown on the topographic map in the hills of SE 1/4 Sec. 11 are mainly minor pits and workings on similar argillization and silicification in Tertiary andesite. Prospects shown in the valley areas are usually for assessment or location and do not hit bedrock. Sample 4123 is select samples of quartz and argillized, iron-stained and silicified andesite from dumps of pits and shafts.

NO PROPERTY
29 Mountain Goat claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	U(?)	Volcanogenic uranium
QUAD SHEET			
Fernley West			
OWNERSHIP			
Milton Jacobs and Al Risley (1951)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 14, T20N, R23E	4396140	297430	11
PRODUCTION			
None			
HISTORY			
A sign and writing on adit door gives name and ownership and reports "this claim staked out for uranium, Aug. 8, 1951."			
DEVELOPMENT			
Several pits, a 10-12 m vertical shaft, a 6 m inclined shaft, a 4 m adit, and a 25 m adit.			
SAMPLE SITE(S)			
4124			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b			
FIELD EXAMINER(S)			
L.J. Garside, 6/27/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
29 **Mountain Goat claim**

OTHER NAME(S)

GEOLOGY

Numerous pits and shallow workings explore bleached and slightly iron-stained fault zones in a quartz-latite welded tuff. The tuff is purple with conspicuous white pumice lapilli up to several cm in diameter. It contains biotite (5%), plagioclase (25%), and a few percent sanidine and slightly vermicular quartz. The unit is probably the tuff of Painted Hills (see Garside and others, 2003). The relatively minor hydrothermal alteration is found along two N90°E, 70°S faults in the main area of the workings. A high-angle NE-striking fault was also prospected. Readings with a scintillator are as follows: background (welded tuff) = 80-100 cps on surface and 150-175 underground. No readings over 1.5 times background were noted. Any uranium mineralization at this site must be relatively obscure, as none was observed during this visit. Sample 4124 is select samples of iron-stained, bleached tuff from several dumps.

NO PROPERTY
30 Norris Spring No. 7 claim
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Ag(?), Au(?)		Low-sulfidation epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 15, T21N, R23E		4392790	292800	11	
PRODUCTION					
Minor(?)					
HISTORY					
DEVELOPMENT					
Shaft and adit.					
SAMPLE SITE(S)					
4150					
REMARKS					
REFERENCES					
Quade and others, 1990a, 1990b; Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside and H. F. Bonham, 8/2/1989					
OCCURRENCE					
Metallic					

NO PROPERTY
30 **Norris Spring No. 7 claim**
OTHER NAME(S)

GEOLOGY

A N40°W, 45°SE fault zone in the tuff of Chimney Spring has been prospected along a 150 m length. At the main workings, drusy and chalcedonic quartz occur in the fault zone with associated jarosite and manganese oxide minerals. Pyrite occurs mainly as fracture coatings and wall rock disseminations. Water stands in one shallow shaft. The vein may be that explored by the Stud Mine adit 200 m to the south. Sample 4150 is a select sample of quartz vein material from dump.

NO PROPERTY
31 Norris Spring No. 10 claim
OTHER NAME(S)
Lake View Claim; MS 4193; Norris Spring No. 11

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Ag(?), Au(?)	Low-sulfidation epithermal
QUAD SHEET			
Wadsworth			
OWNERSHIP			
T. Norris (1990)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NW¼ Sec. 14, T21N, R23E	4393160	291090	11
PRODUCTION			
Minor(?)			
HISTORY			
Old claim post inscribed WECORD(?) Lake View, Cop 54193; Located as Norris Spring No. 10 by T. Norris in 1990. Lake View patented claim probably located about 1900(?).			
DEVELOPMENT			
Several shallow shafts, most less than 50 m. Some adits on lower slopes.			
SAMPLE SITE(S)			
4149			
REMARKS			
Older literature refers to this as Norris Spring No. 11			
REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims Platt, 1972, 1990; Assessors Map, 1996			
FIELD EXAMINER(S)			
L.J. Garside and H. F. Bonham, 8/2/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
31 **Norris Spring No. 10 claim**

OTHER NAME(S)

Lake View Claim; MS 4193; Norris Spring No. 11

GEOLOGY

Drusy quartz veins occur in a fault zone about 10 m wide which strikes N20°E, 45°SE. The veins and stockworks are individually, only a few cm wide; silicification of wall rock is common. The wall rock is the tuff of Chimney Spring and overlying tuff of Painted Hills. Jarosite, limonite, pyrite, and sparse barite are noted in quartz veins. Sample 4149 is a select sample of quartz vein material from dumps.

NO PROPERTY
32 Paiute No. 35 claim

OTHER NAME(S)
Big Mouth Canyon Area

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Ag, Au	Low-sulfidation epithermal

QUAD SHEET

Pah Rah Mtn.

OWNERSHIP

Denison Mines (U. S.), Inc.(1981-1990); Bristlecone Mining Co. (1987-1990); City Gold Corp.

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 17, T22N, R23E	4387320	297380	11

PRODUCTION

None or minor

HISTORY

Workings are in the claim Paiute No. 35 located in 1981, but likely predate it.

DEVELOPMENT

An adit about 50 m long with a 10 m crosscut.

SAMPLE SITE(S)

4136

REMARKS

REFERENCES

Bonham and Papke, 1969; Quade and others, 1990a, 1990b

FIELD EXAMINER(S)

L.J. Garside, 6/30/1989

OCCURRENCE

Metallic

NO PROPERTY
32 Paiute No. 35 claim

OTHER NAME(S)
Big Mouth Canyon Area

GEOLOGY

The portal of the adit at this property is in relatively unaltered (propylitized?) crystal vitric welded tuff, possibly the tuff of Coyote Spring (tuff of Dogskin Mountain of Garside and others, 2003), although lithics are quite common in this unit. In the adit, bleached and silicified tuffs occur along a N40°W, 90° fault. Presumably calcite and quartz vein material on the dump came from this zone. The calcite is coarsely crystalline and white to pink; rarely, pyrite is disseminated in it and in wall rock fragments. The quartz vein material is drusy quartz veinlets forming a stockwork around bleached and silicified tuff. Iron oxide minerals stain quartz locally. No adularia was observed macroscopically, although its presence is reported by Bonham and Papke (1969, p. 75). A prospect 400 m downstream from the above locality (sample site 4136) is a small caved adit and dump. Only silicified and bleached wall rock are on the dump; no vein material was observed. Sample 4136 is a select sample of quartz and calcite vein material (about equal proportions) from dumps.

NO PROPERTY
33 Rainbow No. 7 Lode Claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Mineralized fault zone

QUAD SHEET			
Fernley West			

OWNERSHIP			
Tom Andrews (1985)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 11, T20N, R23E	4386610	297380	11

PRODUCTION
None

HISTORY
Located in 1985 as one of 10 claims. Some exploration and drilling was reportedly done by Billaton Exploration in the last several years.

DEVELOPMENT
Several prospect pits over approximately 1 square km.

SAMPLE SITE(S)
4125

REMARKS
UTMs from sample site 4125, which is in Rainbow No. 7.

REFERENCES
Rose, 1969; Mason and others, 1996, Rec. M231131; Quade and others, 1990a, 1990b; U.S. Bureau of Mines, 1995, Seq. 0320310093; Washoe County Mining Claims Platt, 1986

FIELD EXAMINER(S)
L.J. Garside, 6/27/1989

OCCURRENCE
Metallic

NO PROPERTY
33 **Rainbow No. 7 Lode Claim**
OTHER NAME(S)

GEOLOGY

Minor iron-oxide staining and silicification occurs along a N70°E, 65° NW fault at one prospect. A 2 m adit explores the fault zone. The fault separates purplish, platy-plagioclase phenocryst andesite flow from a light greenish gray, intermediate-composition, lithic pumice tuff. The tuff appears to be slightly to moderately welded; phenocrystic quartz was not observed. This tuff unit is probably the inter-andesite pyroclastic rock mapped by Rose (1969) as Old Gregory Formation. The unit appears to be less than 50? m thick and interbedded with Alta(?) Andesite. Sample 4125 is a grab sample of silicified, iron-stained tuff collected from the N70°W, 65°NW fault zone.

NO PROPERTY
34 Stud Mine
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au(?)		Low-sulfidation epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 10, T21N, R23E		4396480	296080	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
An adit with moderate-sized dump. Probably several hundred meters of workings. Locked door on adit. Adit trend at portal is N25°W.					
SAMPLE SITE(S)					
4134					
REMARKS					
REFERENCES					
Quade and others, 1990a, 1990b; Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 6/29/1989					
OCCURRENCE					
Metallic					

NO PROPERTY

34 Stud Mine

OTHER NAME(S)

GEOLOGY

Based on examination of dump samples, mineralization at the Stud Mine is narrow quartz stringers with pyrite. No other sulfides were observed. Pyrite is also disseminated in the wall rock, a distinctive welded tuff with 2-3 mm red, slightly vermicular quartz (tuff of Chimney Spring). Some of the vein quartz is amethystine; calcite vein material was noted rarely on the dump. Pyrite also occurs on fractures without vein quartz. Alteration of the tuff is silicification and argillization. The attitude(s) of any veins could not be determined. A K-Ar age determination on sericite (after biotite) yielded an age of 12.0 ± 0.4 Ma. Sample 4134 is a select sample of vein material and pyritized and pyrite-coated fractures of wall rock from dump.

NO PROPERTY
35 Sundown Mine

OTHER NAME(S)
Wadsworth Uranium group; RB No. 24 claim (1989)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	U		Volcanogenic uranium
QUAD SHEET					
Fernley West					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 14, T20N, R23E		4396370	296380	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Several prospect pits and very short adits in NW/4 Sec. 14, all for uranium.					
SAMPLE SITE(S)					
4117					
REMARKS					
REFERENCES					
Garside, 1973; Hurley and others, 1982; Mason and others, 1996, Rec. M231133; Quade and others, 1990a, 1990b; U.S. Bureau of Mines, 1995, Seq. 0320310021; Garside and others, 2003					
FIELD EXAMINER(S)					
L.J. Garside, 6/7/1989					
OCCURRENCE					
Metallic					

NO PROPERTY
35 **Sundown Mine**

OTHER NAME(S)

Wadsworth Uranium group; RB No. 24 claim (1989)

GEOLOGY

Radioactivity is found in Oligocene rhyolitic ash-flow tuff (Garside, 1973, p. 107). The most anomalous radioactivity was noted in a 6 m adit in white, unwelded basal Nine Hill Tuff just below the basal densely welded zone. The Nine Hill here lies above a quartz- and biotite-bearing tuff (tuff of Campbell Creek; Garside and others, 2003). Radioactivity in the short adit (sample site 4117) is about 1000 cps (counts per second); background is about 100 cps, locally 80 cps. The highest radioactivity was observed on carbonized wood in the tuff. Fragments of carbonized and silicified wood and plant material 1-100 cm in length occur in the tuff parallel to compaction foliation in the overlying welded zone. The attitude of the tuff is estimated as N50°E, 30°NW. Uranophane(?) occurs as rare coatings on fractures in the tuff. A diabase dike occurs in one pit 250 m west of site 4117. There, radioactivity is about 200 cps. Sample 4117 is a select sample of uranophane-coated tuff and radioactive carbonized wood from the adit face. Hurley and others (1982) reported 439 ppm U3O8 from a tuff with carbonized wood.

NO PROPERTY
36 Sunriver Mining Co., Inc.

OTHER NAME(S)

SMC Nos. 1-6 Lode Claims; SMC Nos. 7-28 Placer Claims

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	?	
QUAD SHEET			
Fernley West			
OWNERSHIP			
Sunriver Mining Co., Inc reportedly owns fee land around house and other buildings (1988)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 12, T20N, R23E	4405200	292780	11
PRODUCTION			
HISTORY			
Six lode and 22 placer claims located in 1988 by Sunriver Mining Co.			
DEVELOPMENT			
Buildings appear less than 10 years old and are just below south end of SMC Placer Claim No. 22.			
SAMPLE SITE(S)			
REMARKS			
UTMs from buildings. Claim block takes up most of section 12.			
REFERENCES			
Quade and others, 1990a; Washoe County Mining Claims Platt, 1994			
FIELD EXAMINER(S)			
L.J. Garside, 6/26/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
36 Sunriver Mining Co., Inc.

OTHER NAME(S)

SMC Nos. 1-6 Lode Claims; SMC Nos. 7-28 Placer Claims

GEOLOGY

A company representative reported that they concentrates black sands from stream(?) wash and extract platinoids from them. Sands in the vicinity of the buildings could be Lahontan beach deposits (Quaternary). Horizontal Lahontan silts and clays are exposed south of the buildings along the old highway. Presence of Pt is considered unlikely.

NO PROPERTY
37 Woody Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Vein

QUAD SHEET			
Olinghouse			

OWNERSHIP			
Willard Hunter (1979)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 10, T21N, R23E	4386810	296820	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Several small prospect pits.

SAMPLE SITE(S)
4151

REMARKS

REFERENCES
Quade and others, 1990a, 1990b; Tingley and others, 1999

FIELD EXAMINER(S)
L.J. Garside; H. F. Bonham, 8/3/1989

OCCURRENCE
Metallic

NO PROPERTY
37 **Woody Mine**
OTHER NAME(S)

GEOLOGY

A 10 m wide mineralized fault zone with an attitude of N60°W, 60°-79°(?) NE cuts hornblende andesite flows(?). The andesite in the area ranges from fine-grained greenish-gray locally vesicular rock with acicular hornblende and rare quartz to a more porphyritic phase with plagioclase and biotite. The Tertiary andesite appears to lie with angular unconformity on Oligocene ash-flow tuffs. The fault zone is silicified, and limonite after pyrite, sericite, and barite(?) were observed. Sample 4151 is a select sample of silicified andesite.

NO PROPERTY
38 Locality 4127
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Quartz vein
QUAD SHEET			
Derby Dam			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 22, T20N, R23E	4396680	296060	11
PRODUCTION			
None?			
HISTORY			
DEVELOPMENT			
Small dump; working location is not obvious.			
SAMPLE SITE(S)			
4127			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b			
FIELD EXAMINER(S)			
L.J. Garside, 6/27/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
38 Locality 4127
OTHER NAME(S)

GEOLOGY

Quartz stringers, 0.5-3 cm wide, occur in a 75 cm wide argillized fault zone. The fault has an attitude of N15E, 70SE. The wall rock is dark gray Tertiary andesite with platy plagioclase phenocrysts (Alta? Andesite). Sample 4127 is a select sample of quartz vein material from fault zone.

NO PROPERTY
39 Locality 4118
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Quartz vein
QUAD SHEET			
Fernley West			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 14, T20N, R23E	4386100	297260	11
PRODUCTION			
None(?)			
HISTORY			
Old claim posts noted; none recent.			
DEVELOPMENT			
Several dozen prospect pits and short adits.			
SAMPLE SITE(S)			
4118, 4119, 4120			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b			
FIELD EXAMINER(S)			
L.J. Garside, 6/7/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
39 Locality 4118

OTHER NAME(S)

GEOLOGY

Spotty vein quartz with sparse pyrite (usually oxidized to limonite) occurs along veins and argillized fault zones of several trends. One of the better mineralized and developed quartz veins occurs in the vicinity of two adits at sample site 4118. These two adits with moderate-sized dumps explore argillized zones with spotty vein quartz. The zones are up to 1.5 m wide and contain pods and veins of white, dense to clear drusy quartz. Sparse pyrite was noted. No quartz vein is over 20 cm wide. The mineralized zones trend N15°E and N80°W and are near-vertical. Mineralized zones about 500 m to the northwest are similar but trend N10°-50°E, and dip 30°-65°NW; widths there are up to 2 m. Malachite and iron-oxide minerals were noted and sampled (no. 4119) at a small pit in propylitized andesite. Oxide copper minerals were not noted elsewhere. All mineralization is in Tertiary Alta Andesite flows or intrusives. The flows have characteristic platy plagioclase; the intrusive is hornblende-bearing. At site 4120 a shaft is located on a narrow (less than 1 m?) N65°E, 70°NE altered zone with spotty vein quartz. Malachite was noted on a dump about 300 m north of 4120. Sample 4118 is a select sample of vein material from dump of upper adit and outcrop. Sample 4119 is a select sample of malachite-coated andesite from a small dump. Sample 4120 is a select quartz vein material from an ore(?) pile on dump of shaft.

NO PROPERTY
40 Locality 4131
OTHER NAME(S)
CLM claims (No. 11(?)), 1988(?)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Quartz stockwork

QUAD SHEET
Olinghouse

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 15, T20N, R23E	4386670	298680	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Prospect pits.

SAMPLE SITE(S)
4131

REMARKS

REFERENCES
Quade and others, 1990a, 1990b; Tingley and others, 1999

FIELD EXAMINER(S)
L.J. Garside, 6/28/1989

OCCURRENCE
Metallic

NO PROPERTY
40 Locality 4131
OTHER NAME(S)
CLM claims (No. 11(?)), 1988(?)

GEOLOGY

Drusy quartz veinlets and stockworks cut a rhyolite welded tuff(?) along a 1-2 m wide zone which strikes N25°E and dips 65°SE to 90°. A nearby coarsely crystalline calcite vein up to 1 m wide has a similar trend and is near vertical. The wall rock unit contains quartz, feldspar, and biotite, as well as sparse lithic fragments. Biotite and feldspar are altered. The calcite vein was not sampled, and is not prospected. Sample 4131 is a select sample of vein and stockwork quartz from outcrop.

NO PROPERTY
41 Golden Hawk No. 2
OTHER NAME(S)
Golden Hawk Claims; Locality 4133

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Vein(?)
QUAD SHEET			
Wadsworth			
OWNERSHIP			
M. Sauvola (1984)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 14, T21N, R23E	4398090	295210	11
PRODUCTION			
Minor(?)			
HISTORY			
Located in 1984 by M. Sauvola as 1 of 28 claims.			
DEVELOPMENT			
Adits, mostly caved at portal. Workings may pre-date these claims.			
SAMPLE SITE(S)			
4133			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims Platt, 1984			
FIELD EXAMINER(S)			
L.J. Garside			
OCCURRENCE			
Metallic			

NO PROPERTY
41 **Golden Hawk No. 2**

OTHER NAME(S)
Golden Hawk Claims; Locality 4133

GEOLOGY

Mineralization observed in dump samples at the property consists of pyrite-bearing veinlets and fracture coatings with sparse brown calcite vein material. Rare quartz vein material was also observed on the dump, usually without calcite or pyrite. The attitude of any mineralized zone is unknown. The wall rock is Tertiary plagioclase-bearing welded tuff. Sample 4133 is a select sample of pyritized fracture coatings and calcite and quartz vein material from dumps.

NO PROPERTY
42 Locality 4145
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Ag(?), Au(?)	Vein
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 22, T21N, R23E	4384910	295690	11
PRODUCTION			
None			
HISTORY			
Name written on wall of adit: Joseph Max(?), January 10, 1917. Also another date: 1923.			
DEVELOPMENT			
A 6 m long adit. Other adits and prospect pits in the vicinity.			
SAMPLE SITE(S)			
4145			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside; H. F. Bonham, 7/31/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
42 Locality 4145
OTHER NAME(S)

GEOLOGY

Quartz veining and stockworks occur in silicified welded tuff (tuff of Dogskin Mountain?). Drusy quartz veins and stockworks have open-space textures and limonite after pyrite. Biotite in wall rock is sericitized, and wall rock is strongly silicified adjacent to veins. The adit is along a N35°E, 80°NW fault with slickensides and mullions having a 90° rake in the fault plane. Sparse barite is present in vein material. Sample 4145 is a select sample of quartz vein and stockwork material.

NO PROPERTY
43 Butcher Boy Mine

OTHER NAME(S)
Lower Olinghouse Mine; Frank Free Canyon Placers

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Placer

QUAD SHEET
Olinghouse

OWNERSHIP
American Resource Corp.

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 26, E½ Sec. 27, T21N, R23	4385180	296710	11

PRODUCTION
Original placer production probably about 1900. 10,000 oz annually reported in 1993.

HISTORY
1989-1991: Operated by New Gold, Inc. Later open pit and mill by New Gold, Inc. New Gold reorganized into American Resource in 1992. Mine inactive in 1996. 1992-1993: Operated by American Resources Corp.

DEVELOPMENT
30 m shaft (Beers, 1960); old shallow placer shaft; new pit dug by bulldozer (10 m deep, 10 m wide, and 30 m long - approx.)

SAMPLE SITE(S)

REMARKS
Old shaft in sec. 27, and new pit in sec. 26. UTM's taken half way between shaft and pit. 0320310097 refers to "Frank Free Canyon Placers", which likely cover this mine and adjacent prospects and workings.

REFERENCES
Beers, 1960b; Hess, 1991; Hess and Castor, 1992; Nevada State Inspector of Mines, 1990, 1991, 1992, 1993, 1994; Quade and others, 1990a; Robyn, 1994; U.S. Bureau of Mines, 1995, Seq. 0320310097, 0320310319, 0320310323, 0320310379

FIELD EXAMINER(S)
L.J. Garside, 6/27/1989

OCCURRENCE
Metallic

NO PROPERTY
43 **Butcher Boy Mine**

OTHER NAME(S)

Lower Olinghouse Mine; Frank Free Canyon Placers

GEOLOGY

The unit containing the placer gold varies from 4.5-23 m thick and consists of several members of clast-supported conglomerate, gravel, and sand in a matrix of brownish-red clay. The clasts consist of about 80% hard, unaltered andesite, basalt, and dacite, about 20% clay-altered volcanic rocks, and 1-2% propylitically altered volcanic rocks. These were deposited in a braided stream environment of an alluvial fan. The gold grade was 0.01-0.025 oz per cubic yard with the higher grades near the bedrock. The overburden consists of 3.5-9 m of soil, gravel, and caliche. The bedrock consists of clay-altered rock, generally too altered to identify. Locally some unaltered dacitic to rhyolitic ash-flow tuffs are observed, possibly the tuffs of Whiskey Spring, Nine Hill Tuff or tuff of Chimney Spring, which were mapped about 1.5 km to the north.

NO PROPERTY
44 Locality 4132
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Vein
QUAD SHEET			
Wadsworth			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 23 T21N, R23E	4395020	295200	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Numerous small prospect pits over an area of about 0.25 square km.			
SAMPLE SITE(S)			
4132			
REMARKS			
Photo 14 illustrates the welded tuff section in this area. The sampled prospect is in the middle distance.			
REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 6/29/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
44 Locality 4132
OTHER NAME(S)

GEOLOGY

Narrow, irregular quartz veinlets which cut Tertiary welded tuff have been prospected in several small pits. At the sampled locality, iron-oxide minerals and drusy to dense, clear quartz occur as veinlets and veins up to a few cm wide in a probable fault zone which strikes N25E and appears to dip approximately 75SE. The welded tuff may be the Nine Hill Tuff. Sample 4132 is a select sample of vein quartz from dump and outcrop.

NO PROPERTY
45 Big Mouth Canyon prospects
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Vein
QUAD SHEET			
Pah Rah Mtn.			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 17 T22N, R23E	4395920	296930	11
PRODUCTION			
Minor(?)			
HISTORY			
Located in 1860.			
DEVELOPMENT			
Numerous small prospect pits over an area of about 0.25 square km.			
SAMPLE SITE(S)			
4135, 6135			
REMARKS			
Photo 17 is of the large, reddish, altered areas of gray tuff on canyon wall. UTM's located on adit of Big Mouth mine according to Quade and others (1990a, 1990b). In part covered by Paiute Group of claims, see Ref No. 463.			
REFERENCES			
Bonham and Papke, 1969; Mason and others, 1996, Rec. M231126; Quade and others, 1990a, 1990b; U.S. Bureau of Mines, 1995, Seq. 0320310094			
FIELD EXAMINER(S)			
L.J. Garside; J.V. Tingley, 4/14/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
45 Big Mouth Canyon prospects
OTHER NAME(S)

GEOLOGY

Several very minor workings along a steep-walled canyon explore iron-stained and hydrthermally altered zones in Tertiary welded tuff. At one adit (20 m long) apparently established on a 25(?) cm wide crush zone along a N60°W, 60°SW fault, quartz veinlets, iron oxides and silicified tuff are the only mineralization noted. The tuff may be the tuff of Dogskin Mountain. Mineralized zones in Sec. 17 consist of a stockwork of quartz veinlets in thoroughly propylitized, brecciated welded tuff. The zones have widths from 3- m and contain adularia and pyrite (Bopnham and Papke, 1969). The pyrite is largely oxidized to mixtures of hematite and jarosite. Other mineralized zones are N80E, 90 and N80W. Crystalline barite is found in cavities in quartz veins (Tingley and Garside ,1999). A grab sample of vein material from a dump assayed: gold: 0.18 oz. per ton, and silver: 0.70 oz. per ton. Sample 4135 is a select sample of vein quartz and silicified and argillized from dump of short adit. Sample 6135 is select quartz vein material (with barite) in propylitized tuff.

NO PROPERTY
46 Paymaster Claim

OTHER NAME(S)

Paymaster Mine; Paymaster Lode; Consolidated Poe Min. Co. Claim; Mineral Survey No. 39A

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	High-sulfidation epithermal
QUAD SHEET			
Verdi			
OWNERSHIP			
Fravel-Paymaster Mining Company (1921)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 13, T20N, R18E	4393700	295960	11
PRODUCTION			
Combined production with Poe and Golden Fleece was 29,579 tons of ore valued at \$148,464, 1872-1876.			
HISTORY			
Lode located by John Poe in 1872. Con Poe Claim (MS No. 39A), Mill Site (MS No. 39B) and Hopkins Claim (MS No. 41) surveyed 1876 and patented 1893(?). Part of Fravel-Paymaster Mining Co. Claims by 1921 (see 112). 1952: Operated by Citation Mining Co.			
DEVELOPMENT			
Several shafts and an adit; the main shaft is reported to be 122 m deep and have 610 m of lateral workings. Two patented claims specifically on lode. Adjacent mill site contained Con Poe Mill.			
SAMPLE SITE(S)			
REMARKS			
Part of Fravel-Paymaster group of patented claims (See 112, 449, 465-479)			
REFERENCES			
BLM Claim Survey Map, 1876, 1895; Gallagher, 1952; Mining and Scientific Press, 1921; Bonham and Papke, 1969; Earl, 1991; Editors Press, 1876; Hill, 1915; Mason and others, 1996, Rec. M231166; Quade and others, 1990a, 1990b; U.S. Bureau of Mines, 1995, Se			
FIELD EXAMINER(S)			
L.J. Garside, 1986			
OCCURRENCE			
Metallic			

NO PROPERTY
46 Paymaster Claim

OTHER NAME(S)

Paymaster Mine; Paymaster Lode; Consolidated Poe Min. Co. Claim; Mineral Survey No. 39A

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
47 Fulton's quarry
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Building stone		Igneous
QUAD SHEET					
Reno					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ SW¼ NW¼ Sec. 35, T20N, R19		4392490	296060	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Small quarry.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Bonham and Bingler, 1973; Hill, 1915; Reid, 1904; Townley, 1983					
FIELD EXAMINER(S)					
1986					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
47 **Fulton's quarry**
OTHER NAME(S)

GEOLOGY

Greenish gray dacite of the Miocene Kate Peak Formation (Bonham and Bingler, 1973) has been quarried for building stone used for buildings in Reno in the early 1900s. On the University of Nevada, Reno campus, Lincoln Hall contains some of the stone. Townley (1983, p. 82-84) reported that stone from the quarry was used in the 1870's in preliminary work on a later aborted state prison construction project near the site of the Nevada Mental Health Institute. He also reported that most of Reno's pre-World War I foundations came from the quarry.

NO PROPERTY
48 Golden Fleece Mine

OTHER NAME(S)

Golden Fleece Lode; Mineral Survey No. 42

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu, Pb, Zn	High sulfidation epithermal precious met
QUAD SHEET			
Verdi			
OWNERSHIP			
Golden Fleece Gold and Silver Mining Co. (1882)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ NE¼ SE¼ Sec. 24, T20N, R18E	4394750	296900	11
PRODUCTION			
Combined production with Poe and Paymaster was 29,579 tons of ore valued at \$148,464, 1872-1876.			
HISTORY			
First located by William McDonald in summer 1873. Golden Fleece Gold and Silver Mining Co. tunneled 150 m by 1874 and mined gold and silver until July 1877 when operations ceased. Sulfide ores difficult to work in early years. Surveyed 1882.			
DEVELOPMENT			
Several adits, the main one reported to be 277 m but could not be traversed beyond 105 m in 1904. Also, ore house, air shaft, and shop in 1882.			
SAMPLE SITE(S)			
483, 484, 3316, 3317			
REMARKS			
REFERENCES			
BLM Claim Survey Map, 1882; Bonham and Papke, 1969; Earl, 1991; Editors Press, 1876; Mason and others, 1996, Rec. M231138; Quade and others, 1990a, 1990b; Schrader, 1934; U.S. Bureau of Mines, 1995, Seq. 0320310281			
FIELD EXAMINER(S)			
L.J. Garside, 1983			
OCCURRENCE			
Metallic			

NO PROPERTY
48 Golden Fleece Mine

OTHER NAME(S)

Golden Fleece Lode; Mineral Survey No. 42

GEOLOGY

The mine is located in an area of argillic and advanced argillic alteration and silicification in Jurassic(?) metavolcanic (Peavine sequence) rocks and Tertiary microdiorite intrusives. The main adit, which is still accessible, is in dark, greenish-gary, porphyritic meta-andesite. The adit follows a structure observed in the portal, which is a N10°E, 30°NW silicified zone or "ledge". The silicified zone is 15-30 cm wide and consists of very spotty vein quartz, strongly silicified rock, and iron-oxide gossan (sample 3317). Presumably, unoxidized material (like sample 3316) occurs at depth. The silicified ledge is surrounded by an argillized envelope at least several meters wide. Sericite was identified from one sample of this material (by x-ray diffraction), although clay minerals are also certainly present. Paragonite (a sodium mica) was identified (L. C. Hsu, oral commun., 1986) from altered rock collected along the road about 300 m north of the mine. Pyrite and tetrahedrite were identified (by x-ray diffraction) from dump samples, and unpublished report in the Nevada Bureau of Mines and Geology files report the presence of stephanite(?), secondary chalcocite, other sulfosalts, and small quantities of galena. Stibnite is also reported from nearby(?) properties, Schrader (1934) reported the main vein to strike either east-west and dip north, or strike northwest and dip northeast. Apparently some of the high grade sulfide contained 50-100 oz of silver, 0.25-0.5 oz gold per ton, and 14% copper. Ore from the Golden Fleece Extension was reported to contain 0.5-1.5 oz gold and 125-188 oz silver per ton, with 2% lead, 12% antimony, and 8-12% copper. This vein was reported to be 1 m wide with a 8-15 cm streak of sulfide ore. The trend of this vein was S10°W, 45°-60°W. Minor prospects of probably related mineralization are found 1.5-2.5 km west along the canyon that leads to Lookout Peak south of Peavine Peak. These prospects generally have short adits and only pyrite and sparse vein quartz are observed on dumps. Sample 483 is a select sample of quartz vein material with pyrite and enargite. Samples 484 and 3317 are select samples of gossan and vein quartz. Sample 3316 is a select sample of vein material with pyrite and tetrahedrite from dump.

NO PROPERTY
49 MTOLY(?) No. 1
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au	Vein
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SW¼ SW¼ Sec. 26, T20N, R18	4405680	292430	11
PRODUCTION			
Small(?)			
HISTORY			
DEVELOPMENT			
One caved adit, one shaft(?), moderate to small dumps.			
SAMPLE SITE(S)			
3327, 3418			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b			
FIELD EXAMINER(S)			
L.J. Garside, 7/31/1985			
OCCURRENCE			
Metallic			

NO PROPERTY
49 MTOLY(?) No. 1
OTHER NAME(S)

GEOLOGY

A small (20 x 90 m) area of argillic alteration in Mesozoic granodiorite contains vein mineralization consisting of pyrite, tetrahedrite (L. C. Hsu, oral commun., 1985) and vein quartz. The altered zone strikes northeast. One piece of chalcopyrite(?) was observed. Pyritized dike(?) rock (probably Tertiary microdiorite or andesite) is associated with the mineralized area. Sample 3327 is a select sample of sulfide dump material. Sample 3418 is a sample of fresh Tertiary microdiorite from nearby in Sec. 34.

NO PROPERTY
50 Locality 3321
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Ag, Au		Vein
QUAD SHEET					
Verdi					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
Center N½ NW¼ Sec. 32, T20N, R18		4386370	250380	11	
PRODUCTION					
Minor(?)					
HISTORY					
DEVELOPMENT					
Several shallow shafts and caved adits.					
SAMPLE SITE(S)					
3321					
REMARKS					
UTMs taken from center of cluster of shafts and adits.					
REFERENCES					
Bonham and Papke, 1969; Hudson, 1977; Quade and others, 1990a, 1990b					
FIELD EXAMINER(S)					
L.J. Garside, 1985					
OCCURRENCE					
Metallic					

NO PROPERTY
50 Locality 3321
OTHER NAME(S)

GEOLOGY

Highly pyritiferous zones in argillically altered Jurassic(?) meta-andesite of the Peavine sequence contain anomalous silver and gold. The trend of the mineralized zone could not be determined, but may be N50-60°W, the trend of the workings. Vein quartz from dump samples contains pyrite intergrown with black tourmaline. Bonham and Papke (1969, p. 80) reported disseminated pyrite and quartz veinlets containing pyrite, enargite, galena, sphalerite, gold and silver values from workings in secs. 29, 31, and 32 (Peavine Creek area). Their description could refer to this property or several others described in this report, including those in Sec. 28. Sample 3321 is a select sample of pyrite and tourmaline in white vein quartz from dump of short adit.

NO PROPERTY
51 Unnamed quarry
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Building stone		Igneous
QUAD SHEET					
Verdi					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ NE ¼ Sec. 10, T19N, R18E		4382470	257550	11	
PRODUCTION					
Very minor(?)					
HISTORY					
DEVELOPMENT					
Small quarry.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Bell and Garside, 1987					
FIELD EXAMINER(S)					
L.J. Garside, 1983					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
51 **Unnamed quarry**
OTHER NAME(S)

GEOLOGY

Minor amounts of a light gray granodiorite with dark gray mafic cognate inclusions up to several cm in diameter has been quarried, probably for building stone. The rock is similar to that at nearby Laughton's Station quarry.

NO PROPERTY
52 Unnamed mercury property
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Hg	Unknown

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Peavine district, no further informatio	4385530	250740	11

PRODUCTION
None reported

HISTORY
In 1941, a cinnabar deposit northwest of Reno was discovered and worked by three Reno youths.

DEVELOPMENT

SAMPLE SITE(S)

REMARKS
The exact location of this property is not known; later work has not confirmed the presence of cinnabar on Peavine Peak, and the site described could refer to the Wheeler Ranch prospect 11 km south of Reno.

REFERENCES
Bailey and Phoenix, 1944

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
52 **Unnamed mercury property**
OTHER NAME(S)

GEOLOGY

Possibly in Tertiary andesitic flows, lahars, and intrusive.

NO PROPERTY
53 Nevada Central Mine
OTHER NAME(S)
Gold Blossom claim; Mineral Survey 3624

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET
Verdi

OWNERSHIP
Nevada Central Gold Mining Company (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 31, T20N, R19E	4383440	248010	11

PRODUCTION
A test run in 1909.

HISTORY
Claim located 12 Jan 1908 and surveyed in Nov 1908.

DEVELOPMENT
Patented claim, shaft, several crosscuts and drifts, and shop in 1908. Caved shaft today.

SAMPLE SITE(S)
3322

REMARKS
0320310111 refers to "Peavine Creek area" but is one range off. It also may refer to the other mines nearby as well as the Nevada Central such as 241, 242, and 50. ADD TO REF: U.S Bureau of Mines, 1995, Seq. 0320310101, 0320310111

REFERENCES
Bell and Garside, 1987; Bonham and Papke, 1969; Hill, 1915; Mason and others, 1996, M231156, M231164; Overton, 1947; Quade and others, 1990a, 1990b; Stewart and others, 1994; U.S Bureau of Mines, 1995; BLM MS Platt, 1909; Washoe Co Assessor Map, 1999

FIELD EXAMINER(S)
L.J. Garside, 4/23/1985

OCCURRENCE
Metallic

NO PROPERTY
53 Nevada Central Mine

OTHER NAME(S)

Gold Blossom claim; Mineral Survey 3624

GEOLOGY

Pyrite-bearing quartz veins and veinlets containing gold mineralization cut hydrothermally altered Cretaceous granodiorite in a large sericitic and advanced argillic alteration zone on the southeast flank of Peavine Peak. Alteration K-Ar ages of 14.6 and 11.8 Ma (on sericite and alunite, respectively) are reported from nearby (Stewart and others, 1994). The older determination is believed to be more likely, based on other dating in the district and stratigraphic evidence. A little chalcopyrite is disseminated in the wall rock with pyrite, and this is reported to be cut by pyrite stringers with a little quartz (Hill, 1915, p. 193). Hill's (1915) map showed the mine over 2 km to the SW, in an area of post-mineralization sedimentary rocks. Low pH water drains from caved adit. Sample 3322 is a select sample of quartz vein material with pyrite and silicified Tertiary andesite from the dump of an adit about 400 m to the south (site 543).

NO PROPERTY
54 Nevada Industrial Placer

OTHER NAME(S)
Lingle Placer

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	Placer

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 17(?), T20N, R19E	4382840	252920	11

PRODUCTION
Presumably not more than a few thousand dollars (Bonham, 1969, p. 78).

HISTORY
Gold was discovered in placer gravels in 1865, but not worked until 1866. Solomon Lingle began large scale placer operation in October, 1868. The main activity was 1871-1881 and in the 1890's.

DEVELOPMENT
Placer dumps reported by Hill (1915); none visisble today.

SAMPLE SITE(S)

REMARKS
Townley (1983, p. 103) prefers a location in E1/2, sec. 17 for the Lingle Placers; replotting Hill's (1915) location on Reno 7.5' quadrangle places it in SE¼ Sec. 17. UTM's taken from center of 1/4 section.

REFERENCES
Bonham and Papke, 1969; Bonham and Bingler, 1973; Hatch, 1867; Hill, 1915; Johnson, 1973; Mason and others, 1996, Rec. 231165; Overton, 1947; Townley, 1983; U.S. Bureau of Mines, 1995U.S Bureau of Mines, 1995, Seq. 0320310102; Vanderburg, 1936

FIELD EXAMINER(S)
L.J. Garside, 1985

OCCURRENCE
Metallic

NO PROPERTY
54 Nevada Industrial Placer

OTHER NAME(S)

Lingle Placer

GEOLOGY

Placer gold reportedly occurs in alluvial gravels of the northeast-trending ravine which Hill (1915, p. 193) reported to have been worked for a 2-3 ft. width (depth?) for 1500 ft. Overton (1947, p. 78) reported the gravels were 2-4 ft. deep. Hill (1915, p. 192-193) suggests that the gold was derived from possibly auriferous pyrite stringers in altered granodiorite that the ravine passes through. Because the exact location of this property is in doubt, it is difficult to evaluate this thesis. Although gold values can be obtained from minor prospects in Mesozoic granodiorite in the NW¼ Sec. 18, T20N, R19E, it seems more plausible that the placer gold was derived from other, richer Mesozoic or Tertiary gold-bearing veins on Peavine Peak. In fact, placer gold can be recovered from many of the canyons in secs. 16, 17, and 18, T20N, R19E on the northeast flank of Peavine Peak (Townley, 1983, p. 102-104) including Horse Canyon, the unnamed canyon on the Verdi topographic map that passes by the Paymaster and Fravel mines (leading from Horse Ravine as shown on Hatch (1867). Overton (1947, p. 78) reported the Nevada Industrial Placer to be in SW¼ Sec. 16, possibly based on Hatch's (1867) map showing the Kirman claim (later taken over by Lingel; see Townley, 1983, p. 104) in that area. Hatch's (1867) map appears to show the Kirman placers in the main drainage that heads at the Golden Fleece mine, a possible source of the gold. Likewise, the placer gold in "Horse Canyon" mentioned above, could have come from the Paymaster and Fravel lodes or other mineralized zones at the head of the canyon in Sec. 23. It is likely that the gravels in the "alluvial fan deposits of Peavine Mountain" of Bonham and Bingler (1973), contain placer gold in several places between Peavine Peak and Lemmon and Golden Valleys. Alluvium in recent stream bottoms may contain concentrations of gold from this older Quaternary unit. Thus, "Golden Fleece Canyon" or any of the several smaller canyons to the northeast between it and "Horse Canyon" could be the site of placers originally described by Hill (1915).

NO PROPERTY
55 Peavine Peak gold Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	Unknown

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 22, T20N, R18E	4379630	247310	11

PRODUCTION

HISTORY

DEVELOPMENT
Shallow shaft.

SAMPLE SITE(S)

REMARKS
This property appears to be located at or near the Peavine Peak gold mine as shown by Bonham (1969, plate 1). No further information is available. UTM location taken as shaft symbol on Verdi quadrangle.

REFERENCES
Bonham and Papke, 1969

FIELD EXAMINER(S)
L.J. Garside, 1983

OCCURRENCE
Metallic

NO PROPERTY
55 **Peavine Peak gold Mine**
OTHER NAME(S)

GEOLOGY

Minor workings explore sericitized and argillized Jurassic(?) meta-andesite of the Peavine sequence. No obvious quartz veining or other mineralization was noted on the dumps.

NO PROPERTY
56 Peavine Peak Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au, W	Skarn(?)
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 22, T20N, R18E	4383000	252500	11
PRODUCTION			
10 units WO2 mined in 1954.			
HISTORY			
DEVELOPMENT			
A shallow shaft and several open pits.			
SAMPLE SITE(S)			
REMARKS			
The property could not be located during this study. UTMs taken from center of section.			
REFERENCES			
Mason and others, 1996, Rec. M231167; Schrader and others, 1917; Stager and Tingley, 1988; U.S. Bureau of Mines, 1995, Seq. 0320310010			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
56 **Peavine Peak Mine**
OTHER NAME(S)

GEOLOGY

Scheelite is reported from an old gold prospect near the top of Peavine Mountain.

NO PROPERTY
57 Recall Mine
OTHER NAME(S)
Recall prospect; Relief Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET			
Reno			

OWNERSHIP			
E. T. Hurtubise (1916)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SW ¼ NW ¼ Sec. 28, T20N, R19	4382060	251960	11

PRODUCTION
None

HISTORY
Located 6 Aug 1909 and location amended 6 Apr 1912 both by Warren G. Rice. Relocated 1 Jan 1914 by E. T. Hurtubise. Claims kept current until 1919. Used in later years as seismic station by UNR until abandoned because of repeated vandalism.

DEVELOPMENT
Relatively minor workings were observed in 1989, including a 15 m adit and a 3 m deep shaft. Hill (195, p. 194) reports a 40 ft. shaft.

SAMPLE SITE(S)
4101, 4103

REMARKS
A map in Hill (1915) shows the Recall about 1 km south of the mine as shown on the Reno 7.5-minute topographic map (possibly in the vicinity of the Mazy Mine), although Hill's map has errors.

REFERENCES
Bonham and Papke, 1969; Hill, 1915; D. M. Hudson, oral communication, 1999; Mason and others, 1996, Rec. M231168; Quade and others, 1990a, 1990b; U.S. Bureau of Mines, 1995, Seq. 0320310103; Washoe County Mining Locations, 1909, 1912, 1919;

FIELD EXAMINER(S)
L.J. Garside, 5/30/1989

OCCURRENCE
Metallic

NO PROPERTY

57 Recall Mine

OTHER NAME(S)

Recall prospect; Relief Mine

GEOLOGY

Workings at the "mine" itself explore northerly-trending, east-dipping faults in argillized Tertiary andesite (Alta Formation). The Recall mine workings are in a fault zone which is hydrothermally altered. Limonite and hematite staining and coatings, and gossan occur along the faults. Workings are apparently too shallow to have encountered sulfides, although Hill (1915, p. 194) reported disseminated pyrite in the zone. The main fault in the 3 m "shaft" is N30°W, 50°NE; in the adit a major iron-stained fault has an attitude of due N0°E, 50°E. Similar alteration is prospected by shallow workings at an area 600 m to the southeast (on the Sec. 27-28 line) where the altered zone is 60 by 100 m and strikes N30°E (sample site 3450). Sample 4101 is a grab sample of silicified, argillized, and iron-stained andesite from the dump of a short, caved adit. Sample 4103 is a grab sample of argillized and iron-oxide encrusted Tertiary andesite from a dump.

NO PROPERTY
58 Red Metal Mine

OTHER NAME(S)

North View No. 3; Mineral Survey No. 4832

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Polymetallic vein
QUAD SHEET			
Verdi			
OWNERSHIP			
Julius Redelius (1956)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 10, T20N, R18E	4386680	252970	11
PRODUCTION			
None(?)			
HISTORY			
Located by Julius Redelius, surveyed in 1956, and patented in 1958.			
DEVELOPMENT			
One patented claim of a group of six containing a cut about 80 m long.			
SAMPLE SITE(S)			
4122			
REMARKS			
UTMs from site of 4122. A map by Hill (1915) shows the mine about 0.5 km too far north.			
REFERENCES			
BLM Claim Survey Maps, 1880, 1907, 1956; Bonham and Papke, 1969; Couch and Carpenter, 1943; Hill, 1916; Hudson, 1977; Mason and others, 1996, Rec. M231170; Overton, 1947; Quade and others, 1990a, 1990b; U.S. Bureau of Mines, 1995, Seq. 0320310106			
FIELD EXAMINER(S)			
L.J. Garside, 1985 and 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
58 Red Metal Mine

OTHER NAME(S)

North View No. 3; Mineral Survey No. 4832

GEOLOGY

Milky quartz veins and veinlets contain sparse remnants of the hypogene minerals bornite, pyrite, magnetite, and chalcopyrite. Oxide copper minerals (tenorite, malachite, chalcantite, and cornetite(?)) are common and iron oxides occur as boxworks and fracture coatings. Some chalcocite is also reported. The wall rock is predominantly light to dark gray, silicic welded tuff of the Jurassic(?) Peavine sequence. Epidote is common in these rocks in the vicinity of the mine, and a small exposure of interbedded basalt (locally vesicular) is strongly epidotized and contains sparse brown garnet(?). The veins are reportedly gold-bearing (Hudson, 1977). Vein attitudes are not obvious although Bonham and Papke (1969) reported that they parallel foliation in the tuff, and Hudson (1977) reported both parallel and cross-cutting attitudes. Black tourmaline occurs as breccia fillings, veinlets, and replacements associated with the mineralization. Veins are probably late-stage skarn-related mineralization. The contact metasomatic mineralization is probably related to Cretaceous granodiorite magmatism, similar to other copper prospects elsewhere on Peavine Peak. Sample 4122 is select quartz vein material from dumps of pits and old adits.

NO PROPERTY
59 Redelius copper prospects
OTHER NAME(S)
Big Ledge; Dottie property; Bevelheymer

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center N½ N¼ NE¼ Sec. 2, T20N, R	4385180	247690	11
PRODUCTION			
A few tons of copper ore in 1966 (see Bonham, 1969).			
HISTORY			
DEVELOPMENT			
Two shallow inclined shafts, one caved. One large bulldozer cut.			
SAMPLE SITE(S)			
3315, 4121			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Hatch, 1867; Mason and others, 1996, Rec. M231169; Quade and others, 1990a, 1990b; Segall, 1915; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310107			
FIELD EXAMINER(S)			
L.J. Garside, 1986, 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
59 Redelius copper prospects

OTHER NAME(S)

Big Ledge; Dottie property; Bevelheymer

GEOLOGY

Oxide copper minerals occur in association with a quartz-tourmaline vein which cuts altered and sheared garnodiorite or granodiorite porphyry (Mesozoic). The vein trend is northerly and high(?) -angle. Bonham and Papke (1969) reported an attitude of the vein as N20°W, 30-40°SW. Malachite, sparse chalcocite, milky quartz, and black tourmaline are found in outcrop and on the dumps. Bornite was observed in a few samples, and sparse carbonate (calcite?) was observed in vein samples. Chlorite is common in the wall rock. Mineralization is probably similar and related to that at the Red Metals mine and adjacent prospects on Peavine Peak. Sample 3315 is a select sample of milky quartz, tourmaline, and oxide copper minerals from dump. Sample 4121 is a select sample of quartz vein material with malachite, bornite(?), and tourmaline.

NO PROPERTY
60 Almira Claim

OTHER NAME(S)
Charlton property; Reno-Mizpah Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	Epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
Saga Exploration (1988)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SE¼ Sec. 27, T20N, R19E	4385600	247020	11
PRODUCTION			
Some production in 1906.			
HISTORY			
Located by Greenhorn Mining Company 15 Dec 1905. Charlton Consolidated Mining Co. owned it by 1913 and kept it current through 1918.			
DEVELOPMENT			
One of eight original unpatented claims. Shallow pits less than 5 m deep.			
SAMPLE SITE(S)			
3442			
REMARKS			
The topographic map erroneously suggests this to be part of the Reno-Mizpah Mine. A map in Hill (1915) shows the mine over 1 km S, although the map is generalized.			
REFERENCES			
BLM Claim Survey Map, 1914; Bonham and Papke, 1969; Hill, 1915; Mason and others, 1996, Rec. M231173; Quade and others, 1990a, 1990b; U.S. Bureau of Mines, 1995, Seq. 0320310104; Washoe County Mining Claim Location Records, 1906, 1913, 1918			
FIELD EXAMINER(S)			
L.J. Garside and D. A. Davis, 5/22/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
60 **Almira Claim**

OTHER NAME(S)
Charlton property; Reno-Mizpah Mine

GEOLOGY

The site of the Reno Mizpah mine as erroneously shown on the Reno 7.5-minute topographic map consists only of several shallow pits less than 2 m deep. It seems more likely that the workings described in the literature refer to two adits (573 and 628) located about 500 m southeast of the location shown on the map (Center W½ SE¼ Sec. 27). See the description of the Kathleen No. 1 Claim (no.628) for a complete description. Sample 3442, which is from the location called the Reno Mizpah on the topographic map, is a grab sample of iron oxide and silica replacement in a fault zone.

NO PROPERTY
61 Rokada diatomaceous earth deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Diatomite	Sedimentary

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW ¼ Sec. 9, T19N, R18E	4383910	255230	11

PRODUCTION
Small

HISTORY

DEVELOPMENT
A few trenches.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Bonham and Paple, 1969; Overton, 1947

FIELD EXAMINER(S)
L.J. Garside, 1985

OCCURRENCE
Nonmetallic

NO PROPERTY
61 Rokada diatomaceous earth deposit
OTHER NAME(S)

GEOLOGY

Diatomaceous and tuffaceous shales of the sandstone of Hunter Creek (Bell and Garside, 1987) are locally colored a buff to pinkish red in the vicinity of narrow dikes and irregular intrusions of a ropy basalt lava. In 1926, The Rock Products Co. produced magnesite flooring and interior finishing products, using this buff diatomite as a filler. The resulting product had a pleasing color, but failed due to pitting caused by wearing away of the diatomite (Overton, 1947, p. 79).

NO PROPERTY
62 Unnamed feldspar pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Feldspar	Pegmatite
QUAD SHEET			
Granite Peak			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ NW¼ Sec. 13, T22N, R18E	4388500	247000	11
PRODUCTION			
"Number of carloads" of "very pure potash feldspar" in 1931 (Fulton and Smith, 1932).			
HISTORY			
A small cut was excavated and several carloads of feldspar were sent to San Francisco in 1931. Prospect was enlarged to 23 x 53 m by bulldozer and trenching between 1945-1947 (Olsen and Hinrichs, 1960).			
DEVELOPMENT			
An open cut about 6 m long was reported by Bonham (1969).			
SAMPLE SITE(S)			
6080			
REMARKS			
Location is reported by Bonham (1969) and does not show on a topographic map. UTM's are from center of Bonham (1969) location.			
REFERENCES			
Bonham and Papke, 1969; Fulton and Smith, 1932; Garside, 1987; Olsen and Hinrichs, 1960; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310040			
FIELD EXAMINER(S)			
J. V. Tingley, 9/29/1998			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
62 Unnamed feldspar pit
OTHER NAME(S)

GEOLOGY

The area contains aplite and pegmatite dikes trending about N20°E that cut Cretaceous(?), medium to coarse grained, light gray to nearly white, biotite quartz monzonite of Granite Peak (Garside, 1987). These dikes are commonly 30 cm to 1 m thick, but may be up to 3 m thick and may be either pure aplite or aplite and pegmatite mixed in varying proportions (Olsen and Hinrichs, 1960). Bonham and Papke (1969) reported the small cut contained a pegmatite dike varying from 0.3-2.4 m thick with a footwall attitude of N15°W, 70 °E, and composition of 60-70% quartz with the remainder being pink perthitic feldspar and minor muscovite and other minerals. Olsen and Hinrichs (1960) reported the 1945-1947 cut exposed a pegmatite body 1 m thick trending N50°-60°W, 60°-70°NW, with a composition of about 25% quartz, almost 40% blocky pink perthite, about 35% clevelandite in up to 10 cm long platy crystals. Minor minerals include less than 2.5 cm blades of biotite, accessory minerals, and rare allanite. No beryl was present. Sample 6080 contains feldspar-quartz pegmatite; smoky quartz, pink orthoclase feldspar, hairline quartz stringers cut feldspar; trace black mineral with quartz. Sample 6081 was collected from a similar occurrence about 1100 m to the southwest along the same sharp ridge at a cut exposing quartz-feldspar pegmatite.

NO PROPERTY
63 Seventh Street pit
OTHER NAME(S)
Graystone property

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Decomposed granite	Igneous
QUAD SHEET			
Verdi			
OWNERSHIP			
U.S. Bureau of Land Management			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SW¼ SW¼ Sec. 32, T20N, R1	4391080	249180	11
PRODUCTION			
HISTORY			
1976-1991: In operation.			
DEVELOPMENT			
Extensive shallow pit.			
SAMPLE SITE(S)			
REMARKS			
Pit is abandoned, and has been mined down to the hard rock below the layer of decomposed material.			
REFERENCES			
Nevada State Inspector of Mines, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992; U.S. Bureau of Mines, 1995, Seq. 0320310243			
FIELD EXAMINER(S)			
L.J. Garside, 1985			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
63 Seventh Street pit

OTHER NAME(S)
Graystone property

GEOLOGY

Decomposed "granite" is developed over a considerable area in Cretaceous granodiorite. The unit is exposed in a window of Tertiary sedimentary rock; deep weathering and decomposition may have developed in the middle or late Miocene before the sediments were laid down.

NO PROPERTY
64 Unnamed adit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Mo	Unknown
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SE¼ Sec. 36, T20N, R18E	4383630	256420	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
SAMPLE SITE(S)			
REMARKS			
The reported location is nearly 0.5 km from the nearest granitic or metamorphic rocks, and could not be located during geologic mapping of the area (Bell and Garside, 1987). UTM's taken from center of ¼ ¼ section.			
REFERENCES			
Bell and Garside, 1987; Schilling, 1979			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
64 Unnamed adit

OTHER NAME(S)

GEOLOGY

Flakes of molybdenite are reported to occur in vuggy quartz on a dump of a caved adit located on the south flank of Peavine Mountain. The adit is in altered and iron-stained metamorphic rocks near a granitic intrusive body.

NO PROPERTY
65 Gold Medal No. 4 Claim

OTHER NAME(S)

Reno-Mizpah Mine; Monitor No. 4 Claim; Updike Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
Reno-Mizpah Mining Co. (1917)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 34, T20N, R19E	4379450	245070	11
PRODUCTION			
None(?)			
HISTORY			
Located by W. E. Lampson, F. C. Savage, and J. E. Humphrey in 1906 and sold to the Reno-Mizpah Mining Co. in 1906, who changed the name to Monitor No. 4 by 1912. One of five claims owned by Reno-Mizpah and kept current through 1917.			
DEVELOPMENT			
The topo map shows 2 shafts (likely caved adits) and a moderate-sized dump (likely from a caved adit with a trend of N70°W). A shorter adit is located 250 m NNW.			
SAMPLE SITE(S)			
3445, 3446			
REMARKS			
UTMs taken from sample site at center set of shafts. Hill (1915) and topographic map erroneously refer to this as the Updike Mine.			
REFERENCES			
Hill, 1915; Mason and others, 1996, M231163; Quade and others, 1990a, 1990b; U.S. Bureau of Mines, 1995, Seq. 0320310105; Washoe County Mining Claims and Deeds Records, 1906, 1912, 1917			
FIELD EXAMINER(S)			
L.J. Garside, 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
65 Gold Medal No. 4 Claim

OTHER NAME(S)

Reno-Mizpah Mine; Monitor No. 4 Claim; Updike Mine

GEOLOGY

The mineralization in the vicinity of the workings is localized in alunitized, argillized, and iron-stained Tertiary Alta Formation andesite. Some workings are entirely in the oxidized zone, in silicified ledges with strong limonite and hematite concentrations. Others encounter sulfides in pyritized zones. This description is for the area shown on the Reno topographic map as the Updike Mine. Hill (1915, p. 195) reported veinlets containing pyrite, galena, and sphalerite from underground, and reported that the sulfide ore is said to carry \$1.80 in gold (about 0.09 oz per ton) and 6 oz per ton in silver; however, this may actually refer to the workings on this claim and not the actual Updike Mine (record 632). Hill also reported that the mineralization is in a zone of pyritized andesite which strikes N5°-10°W and dips 50°-65° E. Alunite was noted locally and is probably hypogene; supergene gypsum was noted by Hill (1915, p. 195) and was also observed during this examination, possibly at the same site (sample site 3445). A hydrothermal breccia zone at one prospect pit has an attitude of N30°W, 90°. Sample 3445 is a sample of argillized Tertiary andesite from the dump of an adit. Sample 3446 is a select sample of pyritized and alunitized(?) andesite from a small dump.

NO PROPERTY
66 Verdi basalt quarry
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Stone	Igneous
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ NW¼ Sec. 15, T19N, R1	4406885	250000	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
Single large pit.			
SAMPLE SITE(S)			
REMARKS			
Borrow pit on topographic map.			
REFERENCES			
Bell and Garside, 1987			
FIELD EXAMINER(S)			
L.J. Garside, 1986			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
66 Verdi basalt quarry
OTHER NAME(S)

GEOLOGY

Tertiary olivine basalt has been mined for borrow material.

NO PROPERTY
67 Verdi coal property

OTHER NAME(S)
Crystal Peak property; Croxdale Coal Co., Inc.(?)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Coal	Sedimentary

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NW¼ NE¼ Sec. 9, T19N, R18	4381540	252510	11

PRODUCTION
Minor(?)

HISTORY
Coal was discovered in about 1855. Exploration of these poor quality lignite beds was fostered by demand for coal by railroad and mining interests.

DEVELOPMENT
Shallow shaft.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Bonham and Papke, 1969; Garside, 1973; Garside and others, 1980; Orsen, 1977; U.S. Bureau of Mines, 1995, Seq. 0320310181

FIELD EXAMINER(S)
L.J. Garside, 1975

OCCURRENCE
Nonmetallic

NO PROPERTY
67 Verdi coal property

OTHER NAME(S)

Crystal Peak property; Croxdale Coal Co., Inc.(?)

GEOLOGY

Impure, poor-quality coal was found interbedded with diatomaceous shale and feldspathic sandstone of the sandstone of Hunter Creek (Bell and Garside, 1987). Beds are up to 1 m thick, but contain many partings of sandstone. Ash contents of what may be the best samples are over 20% for samples which have not been dried (see Bonham and Papke, 1969, p. 115); ash contents of 30-45% are reported by Garside and others (1980). Very slightly anomalous amounts of radioactivity are reported from one locality, but adjacent lignitic beds are not radioactive and uranium contents are low.

NO PROPERTY
68 Locality 4108
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET
Reno

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ SE¼ Sec. 17, T20N, R19	4381710	250290	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Several very shallow pits and short adits.

SAMPLE SITE(S)
4108

REMARKS

REFERENCES
Quade and others, 1990a, 1990b

FIELD EXAMINER(S)
L.J. Garside, 1989

OCCURRENCE
Metallic

NO PROPERTY
68 Locality 4108
OTHER NAME(S)

GEOLOGY

A small grove of Jeffrey Pine grows on an argillized area of Mesozic Peavine sequence meta-andesite. Unoxidized rocks from dumps are pyritized and silicified. Soils are too acid for other plants; Jeffrey Pine have an advantage here but are otherwise ecologically out of place. Hydrothermal breccias with 1-8 cm fragments of rounded (milled) andesite are locally common. Pyrite is the only sulfide noted; a very few 2 mm quartz veinlets were observed. No mineralized trend or structure was noted. Sample 4108 is select sample of pyritized and silicified Mesozoic meta-andesite with rare quartz veinlets from a dump.

NO PROPERTY
69 Unnamed shaft
OTHER NAME(S)
San Antonio Lode(?); Section 11 shaft

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Cu, Au	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 11, T21N, R18E	4382350	256030	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
A shaft with small dump. Shaft is probably less than 8 m deep, and has been filled with junk after caving.			
SAMPLE SITE(S)			
REMARKS			
See 382. This shaft may be part of the San Antonio Lode of Hatch (1867)			
REFERENCES			
Hatch, 1867; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
69 **Unnamed shaft**

OTHER NAME(S)
San Antonio Lode(?); Section 11 shaft

GEOLOGY

A single shaft is in Cretaceous? leucocratic granodiorite), which is porphyritic and slightly foliated. No obvious reason for the shaft was observed. A very few pieces of quartz-tourmaline veining in granodiorite were noted on the dump, but they contain no iron oxides or sulfide minerals.

NO PROPERTY
70 Locality 4140
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?)	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 5, T20N, R18E	4377800	246540	11
PRODUCTION			
None(?)			
HISTORY			
Hatch (1867) shows gold diggings (placer workings(?)) at the nose of a ridge in E1/2, sec. 5 (near sample site 4140(?)). Townley (1983, p. 105) reports sporadic activity on them in late 1800's. No obvious workings were noted in 1989.			
DEVELOPMENT			
Four short adits (3 at site 4140, one possibly 45 m) all caved at portal, numerous prospect pits. One adit is at site 4142. Bulldozer cuts at site 4141. Only the bulldozer cuts are shown on the topographic map.			
SAMPLE SITE(S)			
4140, 4141, 4142			
REMARKS			
UTMs taken from sample site 4140.			
REFERENCES			
Hatch, 1867; Townley, 1983; Quade and others, 1990a, 1990b			
FIELD EXAMINER(S)			
L.J. Garside, 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
70 Locality 4140
OTHER NAME(S)

GEOLOGY

At sample site 4140 a quartz-tourmaline vein with sparse copper mineralization is explored. Although no vein attitude can be determined because of poor outcrops, the workings trend toward sample site 4142 (a N35°E trend) where similar vein mineralization is observed. Vein material observed on dumps is white, coarsely crystalline quartz with up to 50% black tourmaline. Vein material is crustform and also occurs as breccia-fillings. Rare clots of epidote occur, and coarse sericite (muscovite) veinlets up to 3 mm wide are apparently associated with mineralization. Oxide copper minerals (malachite, chrysocolla) are present. No magnetite was observed. Wall rock is greenish-gray, lithic-rich welded tuff (rhyodacite) of the Jurassic(?) Peavine sequence. Vein material up to 20 cm wide noted on dump. Site 4141 is similar to 4140; chrysocolla occurs as fracture-coatings and fillings in a fault zone in welded tuff like that at 4140. The oxide copper minerals occur locally in sparse quartz-tourmaline vein material noted on dumps. No attitude of vein or fault can be determined. Site 4142 is a possible continuation of the vein at 4140 and is similar, except only limonite is noted (no copper). A portion of one vein strikes N15°E, 90°(?); another strikes due N, 45°E. Sample 4140 is a select sample of quartz-tourmaline vein material from dumps. Sample 4141 is a select sample of chrysocolla and quartz tourmaline vein material from dump. Sample 4142 is a grab sample of quartz-tourmaline vein material from dump.

NO PROPERTY
71 Twin Peaks Iron Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag(?), Au(?), Cu, Fe	Magnetite replacement
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 22, T20N, R18E	4379900	245500	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Bulldozer cuts, possibly done in 1957 (Godwin, 1958).			
SAMPLE SITE(S)			
485, 3318			
REMARKS			
This property is probably one of those mentioned in Shaw and others (1962, p. 124).			
REFERENCES			
Godwin, 1958; Hudson, 1977; Quade and others, 1990a, 1990b; U.S. Bureau of Mines, 1995, Seq. 0320310016; Shaw and others, 1962			
FIELD EXAMINER(S)			
L.J. Garside, 8/4/1983			
OCCURRENCE			
Metallic			

NO PROPERTY
71 **Twin Peaks Iron Mine**
OTHER NAME(S)

GEOLOGY

Magnetite, black tourmaline, and limonite gossan boxworks (after pyrite?) occur along a N30°E, 90° zone in epidotized metarhyolite (Jurassic Peavine sequence). The zone is up to 1-3 m in width and is exposed in the lower of two bulldozer trenches. The tourmalized zone is locally cut by white alteration, possibly albite. Local bleaching of the rocks could be due to supergene acid leaching. Sparse malachite is present at this locality; copper sulfides are probably present in unoxidized ore. Anomalous silver and gold are reported from select samples. Hudson (1977, p. 43) reported that the veins of this type on Peavine Peak are dominantly magnetite with hematite, and locally some pyrite and chalcopyrite; the wall rock is described as being altered to scapolite (marialite), chlorite, quartz, actinolite, epidote, and albite. Sample 485 is a select sample of limonite, schorlite, magnetite, and oxide copper minerals from pit and dump. Sample 3318 is select limonite, schorlite, magnetite, and copper oxide minerals from dump and pit.

NO PROPERTY
72 Reno May Mine

OTHER NAME(S)

Locality 3450; Laura, Serena, Humphreys, Kate, Elinor, and Ridge Claims

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	Unknown

QUAD SHEET			
Reno			

OWNERSHIP			
Reno May Co. (1912)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 27, T20N, R19E	4386580	253500	11

PRODUCTION
None

HISTORY
Laura, Serena, Humphreys, Kate, Elinor, and Ridge claims were located by George F. Cook and sold to Reno May Co. on 15 Jan 1912. Washe Co. has no location information.

DEVELOPMENT
Several shafts and pits, 1-4 m deep.

SAMPLE SITE(S)
3450

REMARKS
The location of the Reno May is uncertain. Hill (1951) placed it between his (erroneous) locations of the Updike and Reno-Mizpah and noted it had shallow workings. Quade and others (1990a) placed it at 202. This is a best guess spot for it.

REFERENCES
Hill, 1915; Quade and others, 1990a, 1990b; Washoe County Mining Deeds, 1912

FIELD EXAMINER(S)
L.J. Garside, 5/30/1989

OCCURRENCE
Metallic

NO PROPERTY
72 **Reno May Mine**

OTHER NAME(S)

Locality 3450; Laura, Serena, Humphreys, Kate, Elinor, and Ridge Claims

GEOLOGY

A bleached and silicified zone in Tertiary andesite has been prospected by numerous shallow (1-4m) shafts and pits. The zone strikes N30°E, is about 100 m long and 20 m wide. One fault(?) exposed in a shaft is near vertical. The rocks are locally strongly stained with limonite. Silicification usually has destroyed all textures, but in one area remnant flow banding(?) was observed. Drusey quartz occurs with limonite in irregular veins which are either flat or high-angle and cannot be traced far. Sample 3450 is select samples of drusy quartz vein material and silicified andesite from dump and outcrop.

NO PROPERTY
73 Locality 3331
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?)	Unknown

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 17, T20N, R19E	4398490	248790	11

PRODUCTION			
Very small			

HISTORY			
Within 10(?) years preceeding 1985, a small attempt was made to vat leach mineralized rock from the open cuts, presumably with cyanide.			

DEVELOPMENT			
Open cuts.			

SAMPLE SITE(S)			
3331			

REMARKS			

REFERENCES			
Quade and others, 1990a, 1990b			

FIELD EXAMINER(S)			
L.J. Garside, 1985			

OCCURRENCE			
Metallic			

NO PROPERTY
73 Locality 3331
OTHER NAME(S)

GEOLOGY

Iron oxide minerals and very sparse green oxide copper minerals occur as fracture coatings on slightly argillized to fresh Mesozoic granodiorite. Naerby, argillic alteration occurs in Tertiary rocks but may be unrelated. Sample 3331 is grab and select samples of slightly argillized to fresh granodiorite with iron and copper oxide minerals from open cuts.

NO PROPERTY
74 Birch Copper propsect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SE ¼ NW ¼ Sec. 8, T21N, R18E	4390380	244390	11
PRODUCTION			
None or minor			
HISTORY			
DEVELOPMENT			
Shaft (10-20(?) m deep), adit (20 m(?)).			
SAMPLE SITE(S)			
4506			
REMARKS			
REFERENCES			
Doebrich and others, 1996; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310193			
FIELD EXAMINER(S)			
L.J. Garside, 7/19/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
74 Birch Copper propsect
OTHER NAME(S)

GEOLOGY

Workings at this property explore a N40°W, 85°SW quartz-tourmaline vein which cuts metavolcanic rocks. The vein is commonly 10 cm wide and consists of white quartz with iron and copper oxide minerals (limonite, chrysocolla, copper pitch) and a few sparse sulfide remnants (pyrite, chalcocopyrite(?)). Black tourmaline (schorlrite?) occurs as thin seams in the vein; as small masses, and as black needles in white quartz adjacent to seams and veinlets. Tourmaline seams in quartz are locally slickensided. Sericitic alteration of the wall rock occurs locally immediately adjacent to vein material. Epidote and quartz-epidote occurs locally in the wall rock separate from the vein. Magnetite was also identified in vein material. The wall rock is a greenish gray, relatively crystal poor rock which probably has a protolith of vitric-lithic welded tuff. Small (1 cm) rock fragments and probable sparse fiamme(?) suggest the pyroclastic origin. The vein is very close to a contact with probable intrusive rock. This rock is either a subvolcanic granodiorite porphyry or intrusive(?) porphyritic dacite. The rock is quite phenocryst rich; if it has a phaneritic groundmass it is not obvious in hand sample. Cleavage in the tuff (which may parallel original compaction foliation) is N30°E, 35°SE. Sample 4506 is a select sample of quartz vein material from dump.

NO PROPERTY
75 Locality 4143
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu	Metasomatic replacement
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SE¼ SE¼ Sec. 9, T20N, R18E	4385760	247360	11
PRODUCTION			
None(?)			
HISTORY			
DEVELOPMENT			
Several prospect pits up to 3 m deep.			
SAMPLE SITE(S)			
4143			
REMARKS			
REFERENCES			
Gianella, 1936; Godwin, 1958; Quade and others, 1990a, 1990b			
FIELD EXAMINER(S)			
L.J. Garside, 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
75 **Locality 4143**
OTHER NAME(S)

GEOLOGY

Iron oxide minerals (magnetite and limonite gossan) occur along an east-west trending high-angle(?) zone in light-gray weathering lithic rhyolite welded tuff of the Jurassic(?) Peavine sequence. The mineralized zone is about 1 m wide where observed in one pit. Quartz and black tourmaline (schorlite) occur in the zone, and locally coarsely crystalline epidote is associated with magnetite and quartz. Sparse oxide copper minerals (chrysocolla, copper pitch) occur in the limonite gossan. No sulfide minerals were observed. Muscovite occurs in the walls of the vein, apparently as an alteration mineral. Piemontite-rich areas in welded tuff occur about 100 m to the west of the locality (also see Gianella, 1936; Godwin, 1958). Sample 4143 is a grab sample of gossan and vein material from dumps.

NO PROPERTY
76 Locality 4104
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 28, T20N, R19E (and adj.)	4383510	255690	11
PRODUCTION			
None			
HISTORY			
Saga Exploration Co., Reno, NV, staked lode claims in the major part of the Peavine District in 1988, and reportedly gerologic mapping, sampling, and drilling.			
DEVELOPMENT			
Three small dumps from caved adits; a 15 m shaft at sample site 4106.			
SAMPLE SITE(S)			
4104, 4105, 4106			
REMARKS			
Descriptions and sampled sites apply to numerous minor workings in the area northwest of the Recall mine.			
REFERENCES			
Quade and others, 1990a, 1990b			
FIELD EXAMINER(S)			
L.J. Garside, 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
76 Locality 4104
OTHER NAME(S)

GEOLOGY

At sample site 4104 shallow workings encountered sulfides at shallow depths in silicified andesite of the Alta Formation. This prospect is at the east end of a long hill of prospected and altered rock which strikes approximately east-west. The prospects are located near a zone of lag boulders and outcrop of very limonite-rich, (hydrothermally?) brecciated, silicified andesite. Enargite is rare on the dump; well-crystallized pyrite is extremely common. Presumably the silicification preserved sulfides at shallow depths from supergene oxidation. Pyrite is also common at sample site 4105, 760 m to the north. Sample site 4106, 795 m west of site 4104, is along the east-west trending ridge and altered zone. There, a N15°W high-angle cross structure has a very small amount of "stopping" or exploration along it in silicified and limonite-impregnated andesite. About 610 m west of site 4106, similar alteration is noted. Sample 4104 is a grab dump sample of silicified and pyritized Tertiary andesite with sparse enargite. Sample 4105 is a grab sample of a argillized, pyritized, and silicified andesite from dump of a shallow caved shaft. Sample 4106 is a select sample of limonite-entrusted andesite from a N15°W trending high-angle fault zone.

NO PROPERTY
77 Polly Lode Claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	U, Au(?)	Volcanogenic uranium

QUAD SHEET			
Griffith Canyon			

OWNERSHIP			
Volcanic Gold, Inc. and Jenex Gold Corp. (1976)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center NE ¼ NW ¼ Sec. 16, T21N, R2	4387380	252820	11

PRODUCTION			
None			

HISTORY			
Located as one of 16 claims in 1976 by Volcanic Gold, Inc. and Jenex Gold Corp.			

DEVELOPMENT			
A prospect pit about 3 m deep at the site of anomalous radioactivity. Bulldozer roads and several other prospect pits over an area of about 0.75 square km.			

SAMPLE SITE(S)			
GC24			

REMARKS			
Location is site of anomalous radioactivity; anomalous radioactivity was not noted at other prospects in the area.			

REFERENCES			
Tingley and others, 1999; Washoe County Mining Claims Map, 1976			

FIELD EXAMINER(S)			
L.J. Garside, 6/10/1996			

OCCURRENCE			
Metallic			

NO PROPERTY
77 Polly Lode Claim
OTHER NAME(S)

GEOLOGY

Anomalous radioactivity, up to 750 cps (counts per second), is associated with fault breccia along a N50°W, 80°SW fault which cuts a silicic ash-flow tuff of the tuffs of Whiskey Spring. Background radioactivity in this tuff is 90 cps, and is about 50 cps in the underlying granodiorite.

NO PROPERTY
78 Locality 4532
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Fe	Volcanic-hosted magnetite
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ NW¼ Sec. 31, T20N, R19E	4398760	243780	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
A small prospect pit, a 6 m deep shaft, and a bulldozer cut(?)			
SAMPLE SITE(S)			
4532			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Doebrich and others, 1996			
FIELD EXAMINER(S)			
L.J. Garside, 8/16/1990			
OCCURRENCE			
Metallic			

NO PROPERTY
78 Locality 4532
OTHER NAME(S)

GEOLOGY

Black tourmaline, magnetite, limonite gossan, and sparse white vein quartz occur in a zone about 100 m long and a few to 20 m wide in meta-andesite of the Jurassic (?) Peavine sequence. The rocks are intruded just to the east by andesite of the Tertiary Kate Peak Formation, which is strongly hydrothermally altered. In places, the skarn or metasomatic replacement zone is massive, black fine-grained tourmaline with scattered areas of concentrated magnetite. Relatively sparse white quartz occurs with tourmaline as somewhat later veins cutting tourmalinized rock and as breccia fragments in tourmaline-matrix breccias. In these breccias, open space textures are observed in quartz vein material, and needles of black tourmaline occur in the quartz; otherwise tourmaline is very fine grained. Locally, the mineralized zone is strongly silicified, with only tourmaline, silica, and limonite remaining; this silicification is probably a Tertiary overprint on Cretaceous mineralization. The mineralized zone strikes about N45°W, as do some white quartz veins within the zone. Compass needle deflections due to magnetite are common. Sample 4532 is a grab and a select sample of magnetite, tourmalinized rock, and quartz vein material from outcrop and dump.

NO PROPERTY
79 Laughton's Station quarry
OTHER NAME(S)
Lawton

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Building stone	Igneous

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Secs. 13, T19N, R18E	4388440	245970	11

PRODUCTION
Minor

HISTORY
Some stone was quarried near Lawton (Laughton's) in the early 1900s; possibly some may have been used for the steps of the Mackay School of Mines building on the UNR campus, although the amount of stone produced at the sites visited was quite minor.

DEVELOPMENT
Stone has been worked in at least two locations; mainly slabs were split off of surface outcrops (corestones). Partially worked slabs remain at the sites.

SAMPLE SITE(S)

REMARKS
Location measured directly with GPS.

REFERENCES
Fulton and Smith, 1932; Reid, 1904

FIELD EXAMINER(S)
L.J. Garside, 3/25/1996

OCCURRENCE
Nonmetallic

NO PROPERTY
79 Laughton's Station quarry

OTHER NAME(S)
Lawton

GEOLOGY

Light gray granodiorite containing local dark gray cognate inclusions (a few cm in diameter) that are more rich in mafic minerals has been quarried for monumental and structural uses.

NO PROPERTY
80 Jones-Kincaid Mine

OTHER NAME(S)

Long Ear Claim; Jones and Kincaid Mine; Mineral Survey 39A

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au, Cu	High-sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 22, T23N, R21E	4384210	254700	11
PRODUCTION			
\$260,000 in early years. King Solomon Stope estimated to have 500,000 oz eq. Ag. Dump has Ag:Au of 50:1.			
HISTORY			
Long Ear located, 29 Mar 1876 by D. Robinett. Acquired by J. E. Jones and J. A. Kincaid. Tunnel located in 1877 by J. E. Jones. Claim surveyed 1880 and patented ????. Jones and Kincaid Mining Company bankrupt and sold in 1883.			
DEVELOPMENT			
Shaft is 170 m deep and tunnel leading back to shaft is 365 m long. Bonham (1969) reports other workings associated with mine. Patented claim. Long Ear Mill Site located and survey in 1880 is located in NE/4 Sec. 22 and NW/4 Sec. 23 and patented ????.			
SAMPLE SITE(S)			
3351, 4137, 6121, 6183, 6177			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; BLM Survey Map T23N, R21E, 1888; Mason and others, 1996, Rec. M231096; Quade and others, 1990a, 1990b; Tullar, 1992; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310112; Wallace, 1975; Washoe Co. Assessor, 1975			
FIELD EXAMINER(S)			
L.J. Garside, 6/30/1989; S.B. Castor, 9/30/1998; J. V. Tingley and S.B. Castor, 10/13/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
80 Jones-Kincaid Mine

OTHER NAME(S)

Long Ear Claim; Jones and Kincaid Mine; Mineral Survey 39A

GEOLOGY

A deep shaft explores a N60°W, high angle zone of silicification and hydrothermal breccia in welded ash-flow tuff. Pyrite is common in dump samples of vein quartz or silicified wall rock, and also occurs as massive clots. Clots of enargite can also be found on the dump. Kaolinite(?) was noted in some samples, and is later than at least some pyrite. Presumably, enargite was removed as ore. Sample 4137 is a select sample of pyrite-rich material from the dump. The lower adit, in Perry Canyon, has massive pyrite along with enargite and rare, small clots of native copper on the dump. The native copper may have formed by reaction of copper-bearing, highly acidic mine waters with steel equipment (G. Ferdock, personal commun., 1998). Samples 4137, 6121, and 6183 were taken from the dump of the shaft. Samples 3351 and 6177 were taken from the dump of the adit in Perry Canyon.

NO PROPERTY
81 Burrus Mine

OTHER NAME(S)

Burrus-Campbell Mine; Burris Mine; Perry Mine(?)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au, Cu	High-sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
University of Nevada, Reno			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SW¼ Sec. 15, T23N, R21E	4396950	264630	11
PRODUCTION			
Estimated (Burrus-Campbell combined): 1,819 short tons (1,616 tons from Burrus, 203 tons from Campbell) of ore of which 1,354 tons was copper ore producing 37,912 lbs.			
HISTORY			
Secs. 15 and 22 purchased by Thomas and Mabel Burrus from Washoe Treasurer in 1949. Mined property in 1950's. UNR acquired property in 1990's.			
DEVELOPMENT			
240 m Burris shaft with at least three levels, 30 m shaft, 35 m Campbell adit, building, ore bin, and 40 acres patented land.			
SAMPLE SITE(S)			
3351, 6115-6120			
REMARKS			
See Campbell adit, 709.			
REFERENCES			
Bonham and Papke, 1969; Garside and others, 2003; Ivosevic, 1970; Mason and others, 1996, Rec. M231079; Quade and others, 1990a, 1990b; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310113; Wallace, 1975; Garside and others, 2003			
FIELD EXAMINER(S)			
L.J. Garside, 5/22/1986			
OCCURRENCE			
Metallic			

NO PROPERTY
81 Burrus Mine

OTHER NAME(S)

Burrus-Campbell Mine; Burris Mine; Perry Mine(?)

GEOLOGY

Host rock is altered tuff of Perry Canyon, dacite ash-flow tuff. The Burrus Mine contains veins that strike N30° to 40°W and dip 60°-80 °SW. A sample of massive sulfide ore (enargite-pyrite) was collected from the dump of the Perry adit. The mineralization and zoning are described in Wallace (1975) and Bonham and Papke (1969). Sample 3351 is a select sample of quartz-sulfide, pyrite, enargite, and sparse tetrahedrite from dump. Sample from 53 m level assayed 6.7% copper, 0.05% lead, 0.02% zinc, 0.06 opt gold, and 8.42 opt silver. Sample at 68 m level assayed 0.85% copper, 0.02% zinc, 0.04 opt gold, and 0.98 opt silver. Samples 6115-6118 are chip samples from a 0.5 to 1.0 m thick vein averaging 272 ppm silver and 0.7 ppm gold. Quartz, pyrite, barite, and enargite are the most common vein minerals. Pyrophyllite ss abundant locally (G. Ferdock, personal commun., 1998). Enargite is associated with acanthite, silver, and lead sulfosalt minerals, and an unknown silver-copper selenium sulfide. Partially oxidized ore contains limonite and copper sulfate minerals, including olinenite (G. Ferdock, personal commun., 1998). Sericitized biotite from the tuff is dated at 22.60 ± 0.11 Ma, a probable age of mineralization (Garside and others, 2003).

NO PROPERTY

82 Ruth Mine

OTHER NAME(S)

Lena Claim; Mineral Survey 3465A

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au	High-sulfidation epithermal
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 21, T23N, R21E	4382940	251570	11
PRODUCTION			
None(?)			
HISTORY			
Lena Claim and Mill Site located 1907. Acquired by Pyramid Consolidated Mines Co. and surveyed 1908, and patented 1909.			
DEVELOPMENT			
Two shafts with moderate-sized dumps. Miller and Threlkeld (1957(?)) show an adit just NW of the shafts that connects with them with about 158 m of underground workings. Far end of the tunnel is caved. Patented claim. Lena Mill Site at NE/4, sec. 17.			
SAMPLE SITE(S)			
4139, 6156			
REMARKS			
topographicmap places Ruth Mine in Lena Claim, not Ruth Claim.			
REFERENCES			
BLM Claim Survey Map, 1908; Miller and Threlkeld, 1957(?)a, 1957(?)b; Mason and others, 1996, Rec. M231105; Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Assessors Map, 1975			
FIELD EXAMINER(S)			
L.J. Garside, 6/30/1989; S.B. Castor, 1998			
OCCURRENCE			
Metallic			

NO PROPERTY

82 Ruth Mine

OTHER NAME(S)

Lena Claim; Mineral Survey 3465A

GEOLOGY

Silicification and pyritization are found in silicic welded tuffs of Tertiary age. The trend of any mineralized structure is not obvious on the surface, but two shafts and an area of prospect pits are aligned in a N45°W zone. Sample 4139 is a select sample of pyritized, silicified tuff and quartz vein material from dump.

NO PROPERTY
83 Thunderbird claims (Nos. 1-15)

OTHER NAME(S)

Flagg Section; Flagg Station; Thunderbird Group; Locality FM155

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	U	Volcanic-hosted uranium
QUAD SHEET			
Moses Rock			
OWNERSHIP			
Harold Shampine, John P. Dietrich, and Mona Dietrich (1955)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 35, T23N, R21E	4378200	249500	11
PRODUCTION			
16 tons at 0.34% U3O8, 109 lbs. (Cupp and others, 1977)			
HISTORY			
Thunderbird Nos. 1-3 located 21 Feb 1955 and 4-15 located 5 Mar 1955 by Harold Shampine, John P. Dietrich, and Mona Dietrich. No proofs of labor recorded afterwards.			
DEVELOPMENT			
Several shallow cuts and a caved adit.			
SAMPLE SITE(S)			
3320, 6012			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Cupp and others, 1977; Hurley and others, 1982; Mason and others, 1996, Rec. M231111; Quade and others, 1990a, 1990b, U.S. Bureau of Mines, 1995, Seq. 0320310121			
FIELD EXAMINER(S)			
L.J. Garside; H. F. Bonham, Jr., 5/8/1980, 7/30/1986, 9/16/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
83 Thunderbird claims (Nos. 1-15)

OTHER NAME(S)

Flagg Section; Flagg Station; Thunderbird Group; Locality FM155

GEOLOGY

Yellow uranium minerals (uranophane?) are found along a tectonic(?) breccia zone which occurs in the basal portion of the Nine Hill Tuff. The breccia zone appears to have an attitude of N70°E, 80°SE, and is 5-6 m wide. The most radioactive area is in the footwall(?) (north side) of the breccia zone. The background radioactivity is 200 cps; the highest recorded was 10,000 cps. Oxidized pyrite(?) was noted in some samples. The Nine Hill Tuff is an Oligocene vitric welded tuff with dark, elongate compacted pumice. Fluorine is reported to be high in samples from the prospect (Steve Hendricks, oral communication, 8 May 80). Autunite, and gummite(?) have also been reported. The adit was driven on a gouge and breccia zone which trends N55°E and is vertical. Background = 0.05 mR/hr.; High = 5.0 mR/hr. Chip samples contained only 0.01-0.02% eU3O8. Sample 3320 is a select sample of ash-flow tuff with yellow uranium minerals from a dump near the jeep trail. Sample 6012 is select sample of ash-flow tuff with fracture coatings of a fluorescent, yellow uranium mineral. Hurley and others (1982) report a sample with visible uranium minerals contained 1.12% U3O8.

NO PROPERTY
84 Locality 4138
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Ag, Au, Cu		High-sulfidation epithermal
QUAD SHEET					
Moses Rock					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 10, T23N, R21E		4414170	277320	11	
PRODUCTION					
Minor					
HISTORY					
DEVELOPMENT					
A shallow shaft and stope to surface along a 40 m zone of exposure.					
SAMPLE SITE(S)					
4138, 6164					
REMARKS					
REFERENCES					
Quade and others, 1990a, 1990b; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310182; Wallace, 1975					
FIELD EXAMINER(S)					
L.J. Garside, 6/30/1989; S.B. Castor, 9/11/1998					
OCCURRENCE					
Metallic					

NO PROPERTY
84 Locality 4138
OTHER NAME(S)

GEOLOGY

A 1 m wide silicified zone in quartz-bearing dacitic welded tuff contains a considerable amount of pyrite, and sparse or rare enargite(?) and barite, based on ore(?) samples at a loading dock. The mineralized zone strikes N45°W, 55°-75°SW. The stope is over 1 m wide at the surface. Pyrite is partly oxidized to limonite. The mineralized zone can be followed for about 50 m. Sample 4138 is a grab sample from ore pile. Sample 6164 of sulfide-bearing, silicified breccia, loose pieces from N10°W-striking vein system of en echelon segments of N30°W, 60°W fractures with dip-slip mullions (?). No copper minerals were observed on the dump.

NO PROPERTY
85 Antelope Mine

OTHER NAME(S)

Mars-Homestake Mine; Mars Lode; Mineral Survey No. 44; Home Stake Lode; Mineral Survey No. 45

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Au, Ag, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
George A. Skinner (1887)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 31, NW¼ Sec. 32, T22N, R	4415122	276500	11
PRODUCTION			
Minor(?)			
HISTORY			
George A. Skinner located Mars in 1879 and Home Stake in 1880. Two claims surveyed in 1887 and patented in 1891. Mine worked in 1880's and on a small scale between 1939-1941. 1958: Maintained by Lucky-9 Uranium. Inc., lessee.			
DEVELOPMENT			
Three adits and two shafts; probably hundreds of meters of workings. Most of mine workings on Home Stake Claim, which in 1887 reports a 46 m double compartment shaft with 150 m of drifts and a shaft house.			
SAMPLE SITE(S)			
4507, 4508, 4509 (age date sample)			
REMARKS			
UTMs taken from shaft for sample sites 4508 and 4509.			
REFERENCES			
BLM MS Map, 1887; Bonham and Papke, 1969; Doebrich and others, 1996; Garside and others, 1992; Gallagher, 1958; Mason and others, 1996, Rec. M231121; Overton, 1947; Quade and others, 1990a, 1990b; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq.			
FIELD EXAMINER(S)			
L.J. Garside, 7/19/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
85 Antelope Mine

OTHER NAME(S)

Mars-Homestake Mine; Mars Lode; Mineral Survey No. 44; Home Stake Lode; Mineral Survey No. 45

GEOLOGY

Limonite and oxide copper minerals (principally chrysocolla and copper pitch) occur with quartz, black tourmaline, and epidote in a northwest trending vein which Bonham and Papke (1969, p. 89) reported to extend for about 1200 m and be up to 1.5 m wide. The workings appear to follow a N40°W trend, and a probable strand of the vein in an upper adit had an attitude of N30VW, 70°SW. Tourmaline (black) is the most common gangue mineral, being more common than quartz. Fragments of vein and mineralized wall rock exhibit tourmaline veins, veinlets, stockworks, breccia fillings, and banded veins. The banded veins consist of bands of tourmaline in 1-2 cm veins with locally coarse epidote and limonite after pyrite(?) in the central part. Epidote occurs alone as veinlets up to 1 cm wide and as veinlets which cross-cut veinlets and veins of black tourmaline. In other samples, tourmaline, quartz, epidote, and sulfides (now limonite) appear to be intergrown. At least some epidote is apparently later than tourmaline. Some tourmaline veins in dump samples consist of massive tourmaline up to 4 cm wide. The wall rock for the mineralization is part of a large intrusive mass of dacite in the Jurassic(?) Peavine sequence. The unit extends for over 5 km along the range crest, mainly to the south of this area. It is intruded by Cretaceous granodiorite 0.4-0.8 km to the north. This dacite locally resembles and may be related to rocks called garnodiorite porphyry near Granite Peak south west of Silver Lake (Lemmon Valley). The vein crops out near the lower shafts where it is 4.5-6 m wide and over 90% tourmaline with minor quartz and limonite and sparse oxide copper minerals. Coarse to fine sericite occurs in the wall rock adjacent to the vein. This sericite yielded a K-Ar age of 88.1 Ma (Garside and others, 1992). Bonham and Papke (1969, p. 89) reported that selected samples of vein material assayed from 2% to 10% copper and contained small amounts of gold and silver. Sample 4507 is a select sample of quartz-tourmaline-copper oxide minerals from veim material on dumps. Sample 4508 is a grab sample of massive black tourmaline from vein. Sample 4509 is a sample of sericitized wallrock adjacent to quartz-tourmaline vein; taken for K-Ar mineralization age and not analyzed for trace elements.

NO PROPERTY
86 Red Rock Estates gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Gravel	Igneous

QUAD SHEET
Reno NE

OWNERSHIP
Red Rock Property Owners Association

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW ¼ NE ¼ Sec. 29, T22N, R19	4414710	274420	11

PRODUCTION
Minor

HISTORY
Started between 1982 and 1989.

DEVELOPMENT
Bulldozer cuts and trenches.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bryan and others, 1994; Nevada Bureau of Mines and Geology, 1982, (aerial photograph 1-14); Nevada State Inspector of Mines, 1998, 2000, 2001, 2002, 2003; Tingley and others, 1999; U.S. Geological Survey, 1993 (aerial photograph 6202-8)

FIELD EXAMINER(S)
L.J. Garside, 5/17/1989

OCCURRENCE
Nonmetallic

NO PROPERTY
86 Red Rock Estates gravel pit
OTHER NAME(S)

GEOLOGY

Stream colluvium and fractured bedrock fragments of Mesozoic quartz diorite have been mined for local use for road gravel and sub-base material.

NO PROPERTY
87 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Cu	Vein(?)
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 22, T21N, R18E	4410420	277720	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Several prospect pits.			
SAMPLE SITE(S)			
3419			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310109			
FIELD EXAMINER(S)			
L.J. Garside, 1987			
OCCURRENCE			
Metallic			

NO PROPERTY
87 Unnamed prospect
OTHER NAME(S)

GEOLOGY

Green oxide copper minerals occur as fracture coatings in Mesozoic granodiorite. Sparse milky quartz veining was observed. No sulfide minerals were noted, and there is no obvious wall rock alteration. Sample 3419 is select oxidized vein material, glassy vein quartz, gossan, and wall rock of argillized Mesozoic metavolcanic rocks from dumps of small adits.

NO PROPERTY
88 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Talapoosa		Lyon	?		Vein
QUAD SHEET					
Fernley West					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 27, T20N, R24E		4416690	277280	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Several small prospect pits.					
SAMPLE SITE(S)					
4115					
REMARKS					
REFERENCES					
Quade and others, 1990a, 1990b					
FIELD EXAMINER(S)					
L.J. Garside, 6/1/1989					
OCCURRENCE					
Metallic					

NO PROPERTY
88 **Unnamed prospect**

OTHER NAME(S)

GEOLOGY

A calcite vein with a trend of N70°W, 90°(?) cuts black, Tertiary vesicular basalt flows. The calcite occurs as coarse to fine crystals, and is banded and colored yellow, brown, red, purple, and white. Oxidized material is stained with limonite. The above is at sample locality 4115. 200 m to the southwest, a similar vein of calcite (with a N60°E, 90° attitude) cuts basalt. Rocks are not obviously hydrothermal altered. Sample 4115 is a select sample of vein calcite from dump and pit walls.

NO PROPERTY
89 Unnamed Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Talapoosa	Lyon	?	Mineralized fault
QUAD SHEET			
Fernley West			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 27, T20N, R24E	4402440	243090	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Moderate-sized prospect pit and short, inclined shaft.			
SAMPLE SITE(S)			
4114			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b			
FIELD EXAMINER(S)			
L.J. Garside, 6/1/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
89 **Unnamed Mine**

OTHER NAME(S)

GEOLOGY

Iron and manganese oxide minerals occur as fracture coatings in a N30°E, 40°NW fault zone having a footwall crush zone of several meters. Mullions(?) in the fault surface appear to rake about 90°. Welded tuff may be the tuff of Chimney Spring. Mineralization may be due to cold ground water; no hydrothermal alteration was noted. Prospects shown on topographic map to southeast are either very obscure or nonexistent. Sample 4114 is a select sample of rock fragments with iron and manganese oxides from dump and outcrop.

NO PROPERTY
90 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	?	Vein

QUAD SHEET			
Fernley West			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 22, T20N, R24E	4403620	254030	11

PRODUCTION			

HISTORY			

DEVELOPMENT			
Several shallow bulldozer cuts.			

SAMPLE SITE(S)			
4113			

REMARKS			

REFERENCES			
Quade and others, 1990a, 1990b			

FIELD EXAMINER(S)			
L.J. Garside, 6/1/1989			

OCCURRENCE			
Metallic			

NO PROPERTY
90 Unnamed prospect
OTHER NAME(S)

GEOLOGY

A narrow (~25 cm) calcite vein cuts fresh black basalt at a small outcrop in a trench. The vein appears to strike north and may be high angle. The vein material is white, brown, and thin black bands of coarsely crystalline calcite. No obvious metallization or hydrothermal alteration is noted, and the vein may have been formed by cold, descending groundwater. Prospect symbols on topographic map shown to the north of sample locality 4113 are mostly obscure or nonexistent, and their purpose is unknown. At the north end of this line of prospects, in SW¼ NW¼ Sec. 22 a pit in white, pebbly tuff interbedded in basalt has no obvious alteration or veining. Some workings may also be for agate, which occurs as amygdules in basalt and as round "thunder eggs" up to 31 cm. The prospect symbols shown mainly in the center and SE¼ of Sec. 16 to the north are mainly to entirely not pits or prospects there; possibly small areas of white tuff were interpreted as pits. A prospect symbol in NE¼ NE¼ Sec. 21 is a small borrow pit for gravel, and one in SW¼ SW¼ Sec. 15 is not a prospect but a patch of Quaternary sediments. Sample 4113 is a select sample of coarsely crystalline, banded vein calcite.

NO PROPERTY
91 Section 17 Mine
OTHER NAME(S)
Unnamed diatomite quarry

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Truckee (Fireball)		Churchill	Diatomite		Sedimentary
QUAD SHEET					
Telephone Well					
OWNERSHIP					
Cypress Mines Corp.					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 17, T24N, R26E		4396030	247240	11	
PRODUCTION					
Minor					
HISTORY					
1980: Operated by Cyprus Mines, Inc.					
DEVELOPMENT					
Small pit covering about 2 ha. in 1986.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Nevada State Inspector of Mines, 1980; U.S. Bureau of Mines, 1995, Seq. 0320310206					
FIELD EXAMINER(S)					
L.J. Garside, 8/15/88					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
91 Section 17 Mine

OTHER NAME(S)
Unnamed diatomite quarry

GEOLOGY

White diatomite is exposed in a small pit in Tertiary Truckee Formation. The bedded diatomite dips to the south at a low angle and is overlain by basalt at the north side of the pit. The diatomite is contaminated by light gray clastic dikes of sandstone, mudstone, and ash(?). The dikes are 3 cm to 2 m wide, high to low angle, and often anastomosing. The material in the clastic dikes was probably a contaminant during mining of the otherwise relatively pure white diatomite.

NO PROPERTY
92 Section 20 Mine

OTHER NAME(S)
Aquafil diatomite quarry

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Truckee (Fireball)		Churchill	Diatomite		Sedimentary
QUAD SHEET					
Telephone Well					
OWNERSHIP					
Cypress Mines Corp.					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NW¼ Sec. 20, T24N, R26E		4381810	305170	11	
PRODUCTION					
Moderate(?)					
HISTORY					
1957-1964: Mined by Aquafil Co., which had a plant in Lyon County. 1965-1966: Mined by Searra Talc and Chemical Co. 1968-1979: Mined by United Sierra Division, Cypress Mines Corp.					
DEVELOPMENT					
Small pit covering about 10 ha. in 1986.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Gallagher, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1968, 1969, 1970; Nevada State Inspector of Mines, 1976, 1977, 1978, 1979, 1980; Springer, 1971; U.S. Bureau of Mines, 1995, Seq. 0320010191; Papke and Castor, 2003; Southern Pacific Co., 19					
FIELD EXAMINER(S)					
L.J. Garside, 1988					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
92 Section 20 Mine

OTHER NAME(S)
Aquafil diatomite quarry

GEOLOGY

Massive, white diatomite is exposed in a highwall of a pit in Tertiary Truckee Formation. At least 20 m of pure white diatomite is exposed; a few light gray volcanic ash beds and cream-colored mudstone occur in the pit floor below the massive diatomite. Olivine basalt unconformably overlies the diatomite in the highwall to the south; both dip at a low angle to the south. The increasing amount of basalt that needed to be stripped to continue mining to the south may have been the cause of abandonment of the pit.

NO PROPERTY
93 Wedekind Mine

OTHER NAME(S)

Anna Bell Lode Claim; Mineral Survey 4040

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Ag, Au, Pb, Zn	High-sulfidation epithermal
QUAD SHEET			
Vista			
OWNERSHIP			
Nevada United Mines Co. (1911)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 28, T20N, R20E	4382550	304680	11
PRODUCTION			
994 tons of ore valued at \$36,354 between 1901-1903.			
HISTORY			
Started in 1896 by G. H. Wedekind who sold it to John Sparks after "substantial" production. Shaft encountered hot water at 65 m in 1903. Unsuccessful attempts made in 1920's. Churn holes drilled in 1930 by Southwest Mines Investment Co.			
DEVELOPMENT			
At least three shafts with moderate sized dumps. In 1911, claim also contained a hoist works, blacksmith shop, cabin, boarding house, barn, and dwelling house. Orr ditch crosses southeast and northeast corners.			
SAMPLE SITE(S)			
3437, 3421, 6122			
REMARKS			
UTMs taken from sample site. Anna Bell Claim was located 5 May 1900 and surveyed Nov 1911. It contains both Wedekind and Arkell Mines(?), see 249. Mineral Survey was cancelled 7 Jul 1993.			
REFERENCES			
Bonham and Papke, 1969; Couch and Carpenter, 1943; Gallagher, 1959; Garside and Schilling, 1979; Mason and others, 1996, Rec. M231139; Quade and others, 1990a, 1990b; BLM Mineral Survey Map, 1911; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq.			
FIELD EXAMINER(S)			
L.J. Garside, 5/22/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
93 **Wedekind Mine**

OTHER NAME(S)

Anna Bell Lode Claim; Mineral Survey 4040

GEOLOGY

Several shafts explore a mineralized zone or zones in silicified and argillized Tertiary Alta Andesite. No mineralized structure is obvious at the surface but the shafts lie along a northeast trend. The shafts penetrated to sulfide material below the oxidized zone; pyrite, galena, and sphalerite were noted on the dump. Much of the dump material is yellowish argillized andesite, with a minor component of sulfide-bearing silicified rock. Selenite occurs in the dump material; presumably it is a secondary mineral, and it seems more common in sulfide-bearing areas of the dump. Nearby silicified ledges exhibit common hydrothermal breccia textures. Smelter shipments (1901-1903) reported \$11.60 to \$77 per ton. Hot acid water charged with hydrogen sulfide was encountered at 65 m. The Wedekind Mine is apparently in a geothermal zone, though little detail is known about it. Sample 3437 is a select sample of silicified, argillized andesite with pyrite and minor sphalerite and galena from the dump.

NO PROPERTY
94 Locality 3429
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Ag, Cu	Vein
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ SE¼ Sec. 5, T20N, R20E	4383700	304220	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Two small to medium-sized prospect pits. From arrangement of dumps, one may be a caved or filled-in shaft.			
SAMPLE SITE(S)			
3429			
REMARKS			
REFERENCES			
Quade and others, 1990a, 1990b; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310136			
FIELD EXAMINER(S)			
L.J. Garside, 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
94 Locality 3429
OTHER NAME(S)

GEOLOGY

Oxide copper minerals (malachite and chrysocolla) coat fractures in Mesozoic granodiorite. Iron-oxide minerals also occur, and very sparse remnant pyrite was noted. Rare quartz veinlets, less than 1 cm wide, were observed in dump samples. There is no obvious mineralized structure, although an approximately north-striking, 45° W fault zone with some argillic alteration has some fracture-related copper mineralization near it. Sample 3429 is a select sample of copper- and iron-stained granodiorite fragments from dump.

NO PROPERTY
95 AKM No. 95 Lode Claim

OTHER NAME(S)

Faith No. 2 Lode Claim; Lorinda No. 3 Lode Claim; Locality 3430

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Ag, Cu	Cu-Au quartz-tourmaline(?) vein
QUAD SHEET			
Reno NE			
OWNERSHIP			
T. M. McCord and R. Ketcham (1983)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE ¼ SW ¼ Sec. 32, T21N, R20	4423130	322220	11
PRODUCTION			
None			
HISTORY			
Faith No. 2 located by H. and C. Cavelli in 1972 as 1 of 8 claims. Lorinda No. 3 located by R. and L. Halla in 1976 as 1 of 10 claims. AKM No. 95 located by T. McCord and R. Ketcham in 1983 as 1 of 24 claims.			
DEVELOPMENT			
Three long, deep bulldozer trenches cut in granodiorite and moderate-size dumps from the trenching.			
SAMPLE SITE(S)			
3430			
REMARKS			
Workings may predate these claims.			
REFERENCES			
Bonham and Papke, 1969; Quade and others, 1990a, 1990b; Tingley and others, 1999; ; U.S. Bureau of Mines, 1995, Seq. 0320310137; Washoe County Mining Claims Platt, 1972, 1976, 1983			
FIELD EXAMINER(S)			
L.J. Garside, 3/12/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
95 AKM No. 95 Lode Claim

OTHER NAME(S)

Faith No. 2 Lode Claim; Lorinda No. 3 Lode Claim; Locality 3430

GEOLOGY

Two small areas of chrysocolla on fracture surfaces are exposed in a bulldozer cut wall near the road. The mineralized spots are about 15 x 50 cm. If any discovery mineralization was present at the surface it has probably been destroyed by the bulldozer work. The oxide copper minerals are not abundant even in the mineralized spots. The wall rock is gray Mesozoic granodiorite. Very rare veinlet quartz was noted, and epidote occurs along the healed fractures but is not spatially associated with copper. The anomalous boron in sample 3430 suggests the presence of tourmaline, although it was not recognized in outcrop or hand samples. Bonham and Papke (1969, p. 93) describe a quite similar occurrence, reportedly to the south in Sec. 5, T20N, R20E. At that locality one small pod in a N35°E, 80°NW fault contains chrysocolla as coatings on fractures. The wall rock granodiorite is tourmalized and epidotized along the fault. The exact location of Bonham's locality is not known; it could be in the vicinity of this prospect (3430) or near an unnamed locality in Sec. 5 (sample site 3429). Sample 3430 is select fragments of granodiorite with copper oxide minerals on fracture surfaces from a bulldozer cut.

NO PROPERTY
96 Gold Bond Mine, lower adit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au	High-sulfidation epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE ¼ SW ¼ SE ¼ Sec. 24, T20N, R19	4422880	321070	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Moderate-size dump of adit (caved at portal). Adit probably is less than 50 m.			
SAMPLE SITE(S)			
4109, 6112			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Bonham and Bingler, 1973; Doebrich and others, 1996; Erwin, 1975; Quade and others, 1990a, 1990b; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 1989; J. V. Tingley, 10/12/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
96 Gold Bond Mine, lower adit

OTHER NAME(S)

GEOLOGY

An adit encountered silicified Tertiary intermediate-composition intrusive rock (see Bonham and Bingler, 1973). Pyrite is common in dump samples; no other sulfides were identified. Fine (1-2 mm) quartz stockworks were noted in a very few dump samples. The hill above the adit is a silicified and iron-stained breccia. This breccia contains some fragments which are themselves breccia, and alteration is variable among fragments; both factors suggest a hydrothermal explosion origin. Erwin (1975) reported that geophysical data suggest the presence of near-surface zones of concentrated pyritic material in an area located about 1500 ft southwest of this site. The geophysical anomalies there are elongated in an east-west direction, as is the hydrothermally altered zone connecting the Peavine and Wedekind districts (Bonham and Papke, 1969, p. 79). Samples 4109 and 6112 are select samples of pyritized and silicified Tertiary intrusive rock.

NO PROPERTY
97 Black Panther Mine

OTHER NAME(S)
Black Panther property; Copper Queen Claim; Locality 3432

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ti	High sulfidation epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
Black Panther Mining Co. (1927)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ NW¼ Sec. 25, T20N, R20E	4382750	263920	11
PRODUCTION			
Unknown, probably minor or none			
HISTORY			
Copper Queen located 10 Jun 1913 by Mrs. A. Godfrey and W. Williams. Bought and re-located by Black Panther Mining Co. in 1922 and became part of a block of 7 unpatented claims. Kept current until 1927.			
DEVELOPMENT			
Dump of moderate size for a shaft now concealed by Dandini Boulevard.			
SAMPLE SITE(S)			
3432			
REMARKS			
REFERENCES			
Bonham and Bingler, 1973; Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims and Deeds Records, 1913, 1922, 1927; Beal, 1963			
FIELD EXAMINER(S)			
L.J. Garside, 5/18/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
97 **Black Panther Mine**

OTHER NAME(S)

Black Panther property; Copper Queen Claim; Locality 3432

GEOLOGY

A shaft, now concealed by a street, explored pyritized, argillized, and silicified Tertiary microdiorite. Tertiary andesite (Alta Formation) may also have been encountered. If a mineralized structure is present in the workings or at the shaft collar, it is now covered by the street. The sulfide minerals encountered in the shaft are mainly sparse pyrite. Enargite (identified by x-ray diffraction, L. C. Hsu, written commun., 1989) was observed at the end of the dump. The alteration assemblage is advanced argillic. Selenite (from the oxidized zone) is common on the dump as well as pyrite. Sample 3432 is a sample of pyritized microdiorite, pyrite, and enargite(?) from dump. Beal (1963, p. 25) wrote that small rutile-bearing veins cutting altered volcanics were reported from just north of the Black Panther Mine.

NO PROPERTY
98 Reno Ruhl Mine

OTHER NAME(S)
Reno Rule Mine; Sparks City Claim; Locality 3435

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au	High sulfidation epithermal

QUAD SHEET
Reno

OWNERSHIP
Reno Ruhl Mining Co. (1910)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center W½ Sec. 25, T20N, R19E	4389360	263160	11

PRODUCTION
None(?)

HISTORY
One of 5 claims that also includes the City of Reno, Marfram, D and M, and Lucky Cuss No. 1 located by W. J. and E. M. Gill, J. F. May, F. A. Isberg, and D. L. Gassaway in May 1909 and sold to Reno Ruhl Mining Co. in 1909 and 1910. Current until 1916.

DEVELOPMENT
Shallow shaft with small dump. Hill (1915) reported shat was 120 m deep.

SAMPLE SITE(S)
3435

REMARKS
Location of Reno Ruhl's main shaft is uncertain and UTM's were taken from shaft noted on topographicmap, which was on their property.

REFERENCES
Bonham and Binger, 1973; Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims and Deeds Records, 1909, 1916

FIELD EXAMINER(S)
L.J. Garside, 5/19/1989

OCCURRENCE
Metallic

NO PROPERTY
98 Reno Ruhl Mine

OTHER NAME(S)

Reno Rule Mine; Sparks City Claim; Locality 3435

GEOLOGY

The shaft at this property lies at the southwest end of a quartz-alunite ledge in altered rocks of a Tertiary, fine-grained, phaneritic-textured stock (Bonham and Bingler, 1973). The ledge appears to have a trend of N40°E, although it is irregular in shape. The ledge exhibits well exposed hydrothermal breccia textures, and limonitic staining (including Liesengange banding). No sulfides other than pyrite were found on the dump. Most of the dump is oxidized material; pyritized rock and quartz were apparently encountered only near the bottom of the shaft. Alunite was noted in one dump sample and is probably common. The sampled shaft (3435) is one of several prospects and shafts along an east-west spotty trend of silicified rock. Sample 3435 is a select sample of pyrite-bearing quartz and silicified rock from the dump.

NO PROPERTY
99 Locality GC34g
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Ag	Quartz vein
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 9, T21N, R20E	4391180	263260	11
PRODUCTION			
Probably none			
HISTORY			
DEVELOPMENT			
Two short, caved adits and several small prospect pits.			
SAMPLE SITE(S)			
4189			
REMARKS			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 6/13/1996			
OCCURRENCE			
Metallic			

NO PROPERTY
99 Locality GC34g

OTHER NAME(S)

GEOLOGY

The workings explore two quartz veins which cut Mesozoic biotite granite. One vein has an attitude of N10°E, 45° W; the other has an attitude of N30°E, 45°SE. The veins are 1-1.5 m wide, several tens of meters long, and consist of milky to clear, massive to locally drusy bull quartz with sparse iron staining. Biotite occurs along selvages in the veins, and they commonly have a ribbon or sheeted appearance. Internal slickensides are common. The veins are typical of those observed elsewhere in granite in the vicinity, although considerably wider; they are probably closely related to the granite intrusive event. Tertiary ash-flow tuff overlies the granite and may conceal additional similar veins. Sample 4189 is select vein material. An analysis by NBMG found 2.71 oz per ton Ag and no detectable Au.

NO PROPERTY
100 Locality 4111
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind		Washoe	Ag	Epithermal
QUAD SHEET				
Vista				
OWNERSHIP				
Summit Christian Church (2005)				
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE	
S½ Sec. 16, T20N, R20E	4384720	259780	11	
PRODUCTION				
HISTORY				
2002: Church built on property.				
DEVELOPMENT				
Dump from short, caved adit(?).				
SAMPLE SITE(S)				
4111				
REMARKS				
REFERENCES				
Nevada Bureau of Mines and Geology, 1979, (aerial photograph 1-5); Quade and others, 1990a, 1990b; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310227; Washoe County Assessor, 2005, APN 8373008				
FIELD EXAMINER(S)				
L.J. Garside, 5/31/1989				
OCCURRENCE				
Metallic				

NO PROPERTY
100 Locality 4111
OTHER NAME(S)

GEOLOGY

Tertiary andesite is argillized and silicified at a small prospect. Several other nearby prospects in Sec. 16 and the north part of Sec. 21 are believed to be similar. Sample 4111 is a grab sample of argillized and silicified andesite from dump.

NO PROPERTY
101 Lost Skulls Claim

OTHER NAME(S)

Locality 4144

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Cedar	Washoe	Cu	Vein(?)
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
Miller and Normanly (1992)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 34, T22N, R20E	4384070	258930	11
PRODUCTION			
None			
HISTORY			
Located by Miller and Normanly in 1992.			
DEVELOPMENT			
Bulldozer road and cut.			
SAMPLE SITE(S)			
4144			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims Platt, 1998			
FIELD EXAMINER(S)			
L.J. Garside, 7/10/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
101 Lost Skulls Claim

OTHER NAME(S)

Locality 4144

GEOLOGY

Malachite occurs with limonite as spotty fracture coatings in Mesozoic granodiorite porphyry. A few pieces of quartz vein material were noted on the dumps, but no sulfide minerals were observed in them or along the mineralized fractures. The granodiorite porphyry has a dark gray matrix with white plagioclase phenocrysts. It is mapped as part of the main body of granitic plutonic rocks in the range here by Bonham and Papke (1969), but may be either a border or hybrid phase or, possibly, some Jurassic(?) porphyry related to Peavine sequence volcanism. The rock is locally rich in secondary(?) biotite. Sample 4144 is a select dump sample of granodiorite porphyry with malachite and limonite on fractures.

NO PROPERTY
102 Locality 4110
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Washoe	?		Breccia zone
QUAD SHEET					
Vista					
OWNERSHIP					
Granite Construction Co. (2005)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
E½ Sec. 17, T19N, R21E		4383630	259500	11	
PRODUCTION					
None					
HISTORY					
Adit driven before 1940.					
DEVELOPMENT					
A short (less than 25 m) adit and small prospect pit.					
SAMPLE SITE(S)					
4110					
REMARKS					
REFERENCES					
Fairchild Aerial Surveys, 1940, (aerial photograph 213); Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Assessor, 2005, APN 8406015					
FIELD EXAMINER(S)					
L.J. Garside, 5/31/1989					
OCCURRENCE					
Metallic					

NO PROPERTY
102 Locality 4110
OTHER NAME(S)

GEOLOGY

An adit was put in on a breccia zone in Tertiary andesite. The zone appears to be a flow breccia which is slightly deuterically(?) altered. Rock fragment surfaces are coated with smectite clay and sparse iron oxides. Sample 4110 is a grab dump sample of slightly argillized and iron-stained Tertiary andesite.

NO PROPERTY
103 Reno Press Brick Co. clay pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Clay	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SE¼ NE¼ Sec. 10, T19N, R19	4397660	265360	11

PRODUCTION

HISTORY
The pit was reportedly used from the beginning of production in 1900 until at least the early 1940s. 1959: Company buildings present at site. 1966: Keystone mall at site.

DEVELOPMENT
The site of the pit is reported to be in the Keystone Shopping Mall.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Papke, 1969, H.F. Bonham, Jr., oral communication, 1990; Nevada Department of Transportation, 1959a (aerial photograph 37-1); Townley, 1985; U.S. Bureau of Mines, 1995, Seq. 0320310204; U.S. Geological Survey, 1966 (aerial photograph 1-160)

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
103 Reno Press Brick Co. clay pit
OTHER NAME(S)

GEOLOGY

An impure fluvial clay was mined and used to produce red brick at an adjacent plant, which was at the present site of Washoe/Keystone Fuel. Townley (1985, p. 73-74) reported that clay from near the Hoole brick kiln located "below the Mountain View Cemetery" near the intersection of West Second and Fourth Streets was used for brick for Washoe County's first courthouse in 1872, as well as in other construction projects. This site is near the Reno Press Brick site and could be a predecessor, using clay from the same horizon.

NO PROPERTY
104 Emma Mine
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Ag, Au		High-sulfidation epithermal

QUAD SHEET					
Reno					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 22, T20N, R19E		4386220	264660	11	

PRODUCTION					
300 tons of \$80 milling ore deposited on dumps by 1879.					

HISTORY					
Operation established by John Poe and sold to Charles Bever in 1876. Production ceased in February 1879. Owned by United Metals Co. in 1925.					

DEVELOPMENT					
A shaft is reported to be 90 m deep. Water filled workings at 60 m level of main shaft.					

SAMPLE SITE(S)					

REMARKS					
Workings in the NE¼, Sec. 22 are quite minor, and do not appear to be extensive enough to match the Emma Mine workings as described, although the location matches Hill's (1915) map. The exact location of the mine remains uncertain.					

REFERENCES					
Beal, 1963; Bonham and Papke, 1969; Earl, 1991; Hill, 1915; Hudson, 1977; Mason and others, 1996, Rec. M231161; U.S. Bureau of Mines, 1995, Seq. 0320310099; Weed, 1925					

FIELD EXAMINER(S)					
L.J. Garside, 1994					

OCCURRENCE					
Metallic					

NO PROPERTY
104 Emma Mine
OTHER NAME(S)

GEOLOGY

According to Bonham and Papke (1969, p. 78) the shaft is sunk on a silicified zone along the contact between Mesozoic metamorphic rocks and Tertiary granodiorite porphyry. The mineralized zone strikes approximately N80°W; pyrite and iron oxide minerals occur as fine disseminations in a siliceous gangue. The ore is reported to carry some gold and silver. Hudson (1977, p. 38) suggests that the Emma is the same as the Black Panther Mine (see no. 97) described by Weed (1925, p. 1405); this mine is reported to have chalcocite ore at the 165-ft. (50.3 m) level carrying 12% Cu, fair Ag value, and some Pb and Au.

NO PROPERTY
105 Unnamed deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu	Cu-Au quartz-tourmaline vein

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 14, T20N, R19E	4401190	266840	11

PRODUCTION
None

HISTORY

DEVELOPMENT

SAMPLE SITE(S)

REMARKS
UTMs from center of 1/4 section.

REFERENCES
Hudson, 1977

FIELD EXAMINER(S)
Not examined during this study

OCCURRENCE
Metallic

NO PROPERTY
105 Unnamed deposit
OTHER NAME(S)

GEOLOGY

Hudson (1977, p. 38) reported veins that cut Mesozoic granodiorite here are apparently of the quartz-tourmaline-bornite type. No other information is available.

NO PROPERTY
106 Unnamed Mine

OTHER NAME(S)

Buena Vista (Hatch, 1867); Section 34 Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu	High-sulfidation epithermal
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 34, T21N, R18E	4376930	272340	11
PRODUCTION			
None reported			
HISTORY			
The property may be the area referred to by Overton (1947, p. 79) as being under control of the Washoe Copper Co, in 1917.			
DEVELOPMENT			
A lower shaft(?) with a large dump, several adits (caved at the portals), and several pits and trenches. The adits have moderate-size dumps and must have hundreds of meters of workings.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Hatch, 1867; Mason and others, 1996, Rec. M231160; Overton, 1947; Soeller and Nielsen, 1980; U.S. Bureau of Mines, 1995, Seq. 0320310108			
FIELD EXAMINER(S)			
L.J. Garside, 3/24/1996			
OCCURRENCE			
Metallic			

NO PROPERTY
106 Unnamed Mine

OTHER NAME(S)

Buena Vista (Hatch, 1867); Section 34 Mine

GEOLOGY

Quartz vein material noted on mine dumps contains black tourmaline, minor enargite, and oxide copper minerals (Bonham and Papke, 1969, p. 80). The veins that were explored by the workings are not well exposed; one vein has a northerly trend and steep dip. The workings probably follow north- or northeast-striking veins similar to those which cut Mesozoic granodiorite just south of the workings and in the Center NW¼ Sec. 34. Milky bull quartz is intergrown or interlayered with black tourmaline, and tourmaline also occurs as breccia fillings. Samples of vein material up to 30 cm wide are seen in the vicinity. The wall rock is Mesozoic porphyritic granodiorite. Soeller and Nielsen (1980) mapped several N80°E quartz-tourmaline veins in this area. Iron oxides and malachite occur as coatings on fracture surfaces. Sulfide minerals are reported to constitute 1% or less of the vein material (Bonham and Papke, 1969, p. 80).

NO PROPERTY
107 Silver Lake No. 1 patented claim
OTHER NAME(S)
Mineral Survey No. 4394

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW¼ Sec. 35, T21N, R18E	4378960	256840	11
PRODUCTION			
None(?).			
HISTORY			
Located in 31 Jul 1917 by R. G. Gillespie. Surveyed Nov 1919 by S. E. Montgomery. Patented 17 Jan 1923.			
DEVELOPMENT			
Discovery shaft.			
SAMPLE SITE(S)			
REMARKS			
UTMs from discovery shaft.			
REFERENCES			
BLM Mineral Survey 4394 Platt, 1920; Hoke and Beach, 1949; Soeller and Nielsen, 1980; Tingley and others, 1999; Washoe County Assessor's Map, 1972			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
107 Silver Lake No. 1 patented claim

OTHER NAME(S)
Mineral Survey No. 4394

GEOLOGY

Quartz-tourmaline veins, probably with copper and gold, cut Mesozoic granodiorite. Some of the workings are along a northwest-trending vein in the NE¼ NW¼ Sec. 35. Similar veins up to 1.2 m wide, with quartz, tourmaline, and locally oxide copper minerals and epidote were noted northeast of Dry Lake Summit (probably in SW¼ Sec. 35).

NO PROPERTY
108 Silver Knolls pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Aggregate	Igneous
QUAD SHEET			
Reno NW			
OWNERSHIP			
Washoe County			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SW¼ SW¼ Sec. 14, T21N, R1	4386010	256680	11
PRODUCTION			
Less than 100,000 tons in 1991. Active in 1991.			
HISTORY			
DEVELOPMENT			
Pit			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bryan and others, 1994; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 1986 and 1989			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
108 Silver Knolls pit
OTHER NAME(S)

GEOLOGY

Gray, fractured, porphyritic granodiorite of the Jurassic(?) Peavine sequence has been mined with ripper and loader for local use as road gravel.

NO PROPERTY
109 Unnamed Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ NE¼ SE¼ Sec. 15, T20N, R19E	4386610	257750	11
PRODUCTION			
None			
HISTORY			
Workings are probably pre-1900 as purple glass is found on the site.			
DEVELOPMENT			
Five or six prospect pits and shallow caved shafts(?)			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 3/24/1996			
OCCURRENCE			
Metallic			

NO PROPERTY
109 Unnamed Mine

OTHER NAME(S)

GEOLOGY

Prospects explore sporadic white bull quartz veins with seams and clots of black tourmaline. Malachite and limonite occur as fracture coatings. No sulfide minerals were observed. The wall rock is the granodiorite of Golden Valley.

NO PROPERTY
110 Unnamed Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SW¼ Sec. 14, T20N, R19E	4392670	246570	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Shallow shaft (caved) and several small prospect pits.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Hudson, 1977; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 3/24/1996			
OCCURRENCE			
Metallic			

NO PROPERTY
110 **Unnamed Mine**

OTHER NAME(S)

GEOLOGY

Hudson (1977, p. 38) reported veins that cut Mesozoic granodiorite (the granodiorite of Golden Valley) contain quartz and tourmaline. A vein at the workings is not well exposed but appears to have an attitude of N55°E, 80°SE and extend through several pits. Milky bull quartz with black tourmaline and epidote is found in the vein, and pink potassium(?) feldspar appears to replace plagioclase in the adjacent wall rock. Sparse malachite and iron oxides occur on fracture surfaces.

NO PROPERTY
112 Fravel Mine
OTHER NAME(S)
Fravel Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	High-sulfidation epithermal

QUAD SHEET
Verdi

OWNERSHIP
Fravel-Paymaster Mining Company (1921)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 13, T20N, R18E	4392200	248550	11

PRODUCTION
Small(?)

HISTORY
Located 18 Feb 1909 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.

DEVELOPMENT
1921: Shaft, shop, hoisting works, 400 m of workings. Claim also contains separate set of workings in SE part. Survey map for Fravel group of claims (1921) lists 17 shafts, 30 cuts, and tunnels, drifts, and crosscuts. Mill was also in operation.

SAMPLE SITE(S)

REMARKS
UTMs from shaft on topographic map. Part of Fravel-Paymaster group of patented claims (See 46, 449, 465-479). Hill's (1915) description apparently applied to several properties in the vicinity of the Paymaster and Golden Fleece Mines.

REFERENCES
BLM Claim Survey Map, 1921; Bonham and Papke, 1969; Earl, 1991; Hill, 1916; Mason and others, 1996, Rec. M231162; U.S. Bureau of Mines, 1996, Seq. 0320310100; Washoe County Assessor's Map, 1977

FIELD EXAMINER(S)
L.J. Garside, 1986

OCCURRENCE
Metallic

NO PROPERTY
112 Fravel Mine

OTHER NAME(S)
Fravel Claim

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in samples of quartz vein material with barite and pyrite from the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined from the oxidized zone and small bunches of rich silver-copper ore have been mined from the sulfide zone.

NO PROPERTY
113 Angelia prospect
OTHER NAME(S)
Molib(?) prospect

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Nightingale		Washoe	Ag, Au, Sb, W		Polymetallic vein
QUAD SHEET					
Black Warrior Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 35, T24N, R24E		4396280	247980	11	
PRODUCTION					
2 units of WO3					
HISTORY					
DEVELOPMENT					
Several shafts, short adits, and numerous cuts and open pits.					
SAMPLE SITE(S)					
2884					
REMARKS					
REFERENCES					
Bonham, 1961; Lawrence, 1963; Southern Pacific Co., 1964; Mason and others, 1996, Rec. 231146; Quade and others, 1990a, 1990b; Stager and Tingley, 1988; U.S. Bureau of Mines, 1995, Seq. 0320310085, 0320310228, 0320310229					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
113 Angelia prospect

OTHER NAME(S)
Molib(?) prospect

GEOLOGY

The gold and silver deposit is in a vertical quartz vein that strikes N20°E and follows a contact between granodiorite and phyllite (Lawrence, 1963). The vein also contains antimony in the form of stibnite and antimony oxides. Only a small amount of tungsten has been produced and whether this ore occurred in the quartz vein or in the silicified phyllite wall rock has not been reported (Stager and Tingley, 1988). Southern Pacific Co. (1964) reported the scheelite to be disseminated in metamorphic rocks near their contact with granodiorite. Bonham (1961) noted malachite and silver. Select sample 2884 is quartz vein material with galena, copper, and tetrahedrite from dump and adit in granodiorite.

NO PROPERTY
114 Jaybird Mine

OTHER NAME(S)

Garfield Force; Highgrade; Blue Jay; Redbird

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Nightingale	Washoe	Cu, Mo, W	Skarn
QUAD SHEET			
Black Warrior Peak			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 31, T25N, R25E	4386950	257200	11
PRODUCTION			
2000 tons of ore mined in 1938, 148 units of WO3 in 1942, and 1953-1955			
HISTORY			
DEVELOPMENT			
Two adits (one 12 m), a stope 15 m long and 3-7.5 m wide, three shallow shafts, and several open cuts.			
SAMPLE SITE(S)			
2894, 2895			
REMARKS			
UTMs are taken from center of cluster of prospects.			
REFERENCES			
Bonham and Papke, 1969; Bonham and others, 1958; Mason and others, 1996, Rec. M231151; Quade and others, 1990a, 1990b; Schilling, 1962, 1979; Smith and Guild, 1942; Stager and Tingley, 1988; U.S. Bureau of Mines, 1995, Seq. 0320310293, 0320310563			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
114 Jaybird Mine

OTHER NAME(S)

Garfield Force; Highgrade; Blue Jay; Redbird

GEOLOGY

Scheelite occurs in skarn along a generally concordant contact between limestone of Mesozoic age and granodiorite of Cretaceous age. The contact is nearly vertical and strikes N25°W. Pyroxene-rich skarn with some molybdenite and scheelite occurs locally but most of the skarn is composed of garnet and quartz. Scheelite content is generally less than 0.5% WO₃, with thin layers of about 1.0% WO₃ present locally. The deposit is poorly exposed and has not been adequately explored (Schilling, 1979; Stager and Tingley, 1988). Bonham and Papke (1969) reported the skarn is a tactite body replacing the limestone that can be traced for at least 300 m along strike at the surface. Schilling reported specks of molybdenite and scheelite at a shallow shaft 300 m northwest of the main adit. Sample 2894 is a sample of skarn and silicified metasediments, minor pyrite, and scheelite. Sample 2895 from an open cut is gossan-like intrusive rock with pyrite and minor sulfides.

NO PROPERTY
115 Crosby Mine

OTHER NAME(S)

Stoddard-Crosby; White Blowout; Cal Alta

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Nightingale	Washoe	Ag(?), Au(?), W	Skarn
QUAD SHEET			
Russell Peak			
OWNERSHIP			
Cal-Alta Oil and Mining Co. (1955)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 21, T24N, R24E	4386440	257460	11
PRODUCTION			
613 units of WO3 in 1943-1957			
HISTORY			
Sampled by Gold Hill Dredging Co. in 1942. Turner and Associates shipped 35 tons of 0.6% WO3 in 1943 to January 1944. Idle later in 1944. 1954-1955: Operated for tungsten by Cal-Alta Oil and Mining Co.			
DEVELOPMENT			
Two adits, a north one with 76 m and a south one with 137 m of drifts, raises, and winzes, and numerous shallow prospect pits and open cuts. One adit is reported to be 35 m long and one shaft is reported to be 35.7 m deep.			
SAMPLE SITE(S)			
REMARKS			
UTMs are taken from center of cluster of shafts and prospects.			
REFERENCES			
Bateman, 1944; Bonham, 1961; Bonham and Papke, 1969; Gallagher, 1954, 1955; Gourley, 1962; Klepper, 1942; Mason and others, 1996, Rec. D001218, M231150; Stager and Tingley, 1988; U.S. Bureau of Mines, 1995, Seq. 0320310001			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
115 Crosby Mine

OTHER NAME(S)

Stoddard-Crosby; White Blowout; Cal Alta

GEOLOGY

Scheelite-bearing skarn in a body about 230 m long and 27 to 60 m wide occurs along a contact between metasedimentary rocks of Mesozoic age and a biotite quartz monzonite of Cretaceous age. The skarn body strikes N50°W and dips 85°SW. It is cut off on the north and east by a large, nearly circular, barren white quartz plug about 232 m in diameter. Most of the ore mined averaged about 0.5% WO₃ (Stager and Tingley, 1988). Bonham (1961) noted pyrite, scheelite, and pyrrhotite. Bateman (1944) reported assays ranging from 0.1 to 1.22%. A second smaller skarn body exists several hundred feet southeast of the main mine area (Bonham and Papke, 1969). Bonham and Papke (1969) reported the silicate minerals in the skarn bodies are quartz, epidote, diopside, garnet, calcite, and tremolite. Scheelite, pyrite, and pyrrhotite are irregularly distributed through the skarn as disseminated grains largely contrasted in zones 0.6-1 m wide that are parallel to the original sedimentary bedding. The pyrite and pyrrhotite with minor chalcopyrite also occur as disseminated grains, stringers, and lenses erratically distributed throughout the skarn body. The lead-bismuth sulfosalt cosalite occurs in late-stage quartz veins which cut the skarn. Minor scheelite also occurs in the altered quartz monzonite adjacent to the main skarn body and in the large quartz-rich pegmatite that crops out immediately to the east of the main skarn body. Abundant, largely oxidized pyrite occurs in the hornfels between the two skarn bodies, and abundant disseminated pyrite also occurs in a large felsite dike that borders the Crosby mine to the east. The dike has had minor exploration for gold and silver.

NO PROPERTY
116 Midnight Tungsten prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Nightingale		Washoe	Mo(?), W		Skarn
QUAD SHEET					
Russell Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 20, T24N, R24E		4386650	250840	11	
PRODUCTION					
None(?).					
HISTORY					
DEVELOPMENT					
Undeveloped prospect.					
SAMPLE SITE(S)					
REMARKS					
Location taken from Stager and Tingley (1988).					
REFERENCES					
Mason and others, 1996, Rec. M231152; Stager and Tingley, 1988					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
116 Midnight Tungsten prospect
OTHER NAME(S)

GEOLOGY

Scheelite, with powellite and molybdenite, occurs in thin skarn lenses along bedding planes of limestone near the contact with granodiorite. Samples from the mineralized lenses contained 0.1 to 0.8% WO₃ (Stager and Tingley, 1988).

NO PROPERTY
117 Texas No. 2 claim
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	W		Low-sulfidation epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
S½ Sec. 29, T21N, R23E		4419250	307690	11	
PRODUCTION					
38 units of WO3 in 1953					
HISTORY					
DEVELOPMENT					
SAMPLE SITE(S)					
REMARKS					
Near Babe/Texas No. 1 claim. Located on map by UTMs from Stager and Tingley (1988).					
REFERENCES					
Mason and others, 1996, Rec. D011079; Stager and Tingley, 1988; Tingley and others, 1999; Garside and others, 2000					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
117 Texas No. 2 claim

OTHER NAME(S)

GEOLOGY

About 75 tons of ore with an estimated grade of about 1% WO₃ was shipped by R. B. Clemmons from this property in 1953. Details of the geology and mineralogy of the ore are not known (Stager and Tingley, 1988). Although there are trace amounts of scheelite in the epithermal veins at Olinghouse (Garside and others, 2000), it is quite unlikely that any production came from a mine in the Olinghouse Canyon area. The source of the ore is unknown.

NO PROPERTY
118 Jackpot propsect

OTHER NAME(S)
Jack Pot prospect

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Dogskin Moutain		Washoe	W		Unknown
QUAD SHEET					
Bedell Flat					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ Sec. 20, T23N, R20E		4429620	310290	11	
PRODUCTION					
15 units of WO3 in 1953; 340 tons of 0.1% WO3 mined in 1953					
HISTORY					
DEVELOPMENT					
Several small pits and bulldozer cuts.					
SAMPLE SITE(S)					
REMARKS					
Site RBF99					
REFERENCES					
Bonham and Papke, 1969; Mason and others, 1996, Rec. D011081; Stager and Tingley, 1988; Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 8/31/89; D. A. Davis, 1992					
OCCURRENCE					
Metallic					

NO PROPERTY
118 Jackpot propsect

OTHER NAME(S)
Jack Pot prospect

GEOLOGY

Pits and cuts are developed in biotite-rich quartz monzonite. One pit explores a 1-meter-wide N25°E, vertical aplite dike, which cuts quartz monzonite. The purpose of the pits and cuts is unknown; one possibility is the search for radioactive minerals. No workings are present at the prospect symbol shown on the Bedell Flat Quadrangle 400 m to the southwest. The Jackpot prospect, as described by Stager and Tingley (1988), clearly refers to this site, but there are not enough workings here to allow any significant mineral production. The actual site of the Jackpot tungsten prospect remains unknown.

NO PROPERTY
119 Keller-Stuart prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	W	Skarn

QUAD SHEET

Spanish Springs Peak

OWNERSHIP

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PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 30, T22N, R22E	4423530	304790	11

PRODUCTION

20 tons of about 1% WO3 was stockpiled on property in 1943 but never shipped. No other production.

HISTORY

Located on or before 1943.

DEVELOPMENT

Numerous pits and trenches.

SAMPLE SITE(S)

RN-43

REMARKS

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REFERENCES

Mason and others, 1996, Rec. D001244; Stager and Tingley, 1988; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310006

FIELD EXAMINER(S)

D. A. Davis, 1994

OCCURRENCE

Metallic

NO PROPERTY
119 Keller-Stuart prospect

OTHER NAME(S)

GEOLOGY

The property is underlain by granitic intrusive rocks that enclose numerous small pods of metasedimentary rocks, including schist, hornfels, and skarn. Scheelite occurs in the skarn.

NO PROPERTY
121 Eagle Salt Works

OTHER NAME(S)
Eagle Marsh; Hot Springs Marsh; Leete Marsh

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Leete	Churchill	Salt, Borate, Geothermal water	Sedimentary

QUAD SHEET

Eagle Rock

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Secs. 26, 27, 34, 35, T22N, R26E	4422200	302900	11

PRODUCTION

32,000 tons 1871-1884 and est. 60-70,000 tons 1871-1913. Vats produced 10 tons per acre per day.

HISTORY

Salt-bearing springs discovered by B. F. Leete in 1870, who organized the Eagle Salt Works in 1871 and produced salt through 1913. Borate production was attempted by American Borax(?) in 1871 north of the salt works but failed.

DEVELOPMENT

Abandoned salt evaporators and wells.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of cluster of salt evaporators.

REFERENCES

Garside and Schilling, 1979; Papke, 1976; U.S. Bureau of Mines, 1995, Seq. 0320310064; Willden and Speed, 1974; Shevenell and Garside, 2003

FIELD EXAMINER(S)

L.J. Garside, 2005

OCCURRENCE

Nonmetallic

NO PROPERTY
121 Eagle Salt Works

OTHER NAME(S)

Eagle Marsh; Hot Springs Marsh; Leete Marsh

GEOLOGY

Eagle Marsh is an alkali flat underlain by a layer of impervious clay at a depth of 1.5 m. Halite was produced from the east edge of Eagle Marsh. Russell (1885) reported a 1.2115 specific gravity brine analysis consisting of sodium chloride: 25.38%, magnesium chloride: 0.38%, calcium chloride: 0.36%, calcium sulfate: 0.29%, silica: 0.0028%, potassium chloride: 0.0023%, iron and alumina: 0.0004%, and water: 73.59%. Borate was produced from the north side of Eagle Marsh, which was called Hot Springs Marsh. Although springs in the area have been reported to be warm, recent investigations indicate temperatures of 16°-19°C (Shevenell and Garside, 2003).

NO PROPERTY
122 NCC Limestone Mine
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed		Lyon	Limestone	Sedimentary
QUAD SHEET				
Fernley East				
OWNERSHIP				
Nevada Cement Co. (2005)				
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE	
Secs. 31, 32, T20N, R25E, Sec. 5, T1	4393000	292000	11	
PRODUCTION				
Plant used 605,629 tons of local limestone in 1988. Produced 400,000 tons of cement in 1994.				
HISTORY				
Nevada Cement Co. plant at Fernley opened in Nov. 1964, and quarrying for limestone and clay began.				
DEVELOPMENT				
Small quarry in sec. 31, T20N, R25E and large quarry in sec. 5, T19N, R25E, and sec. 32, T20N, R25E. Multiple bench, open pit.				
SAMPLE SITE(S)				
REMARKS				
UTMs taken from center of main quarry in SW1/4, sec. 32, T20N, R25E.				
REFERENCES				
Castor, 1994; Gallagher, 1965, 1966, 1967, 1968, 1969, 1970; Hardy and others, 2004; Moore, 1969; Nevada State Inspector of Mines, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1998				
FIELD EXAMINER(S)				
L.J. Garside, 4/19/2003				
OCCURRENCE				
Nonmetallic				

NO PROPERTY
122 NCC Limestone Mine

OTHER NAME(S)

GEOLOGY

Upper Miocene lacustrine limestone crops out in a WNW band about 5 km long along the flank of a group of hills about 7 km southeast of Fernley. Stephenson (1966) first described the rocks as: "light tan to brown, fresh-water limestone interbedded with marl and water-laid tuff. The individual beds or masses of limestone range from a few inches to many feet in thickness, and typically the thicker beds form prominent bluffs on the steep slopes. In places marl and tuff make up the greater part of the formation." The limestone and associated sedimentary rocks (sandstone, mudstone, and diatomite) are interbedded with basalt flows and gravels, and the rock units have been considerably faulted and folded. Much of the limestone consists of bioherms of lake tufa and associated calcium carbonate debris of probable algal origin (Hardy and others, 2004). The limestone unit was apparently deposited near the lake shore, and it thins rapidly toward deeper-water environments. The rock consists of 65-90% calcium carbonate, with silica making up 6-30% (Stephenson, 1966; Hardy and others, 2004).

NO PROPERTY
123 NCC Clay pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Clay	Sedimentary
QUAD SHEET			
Fernley East			
OWNERSHIP			
Nevada Cement Co. (1960's)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 8, T19N, R25E	4413490	263080	11
PRODUCTION			
Plant used 36,588 tons of regional clay in 1988. Present production unknown.			
HISTORY			
Nevada Cement Co. plant at Fernley opened in Nov. 1964, and quarrying for limestone and clay began.			
DEVELOPMENT			
Clay pit(?) 1977 air photo shows possible old pit or other disturbance in this area with old roads leading to it.			
SAMPLE SITE(S)			
REMARKS			
Location estimated from 1:250,000 scale map in Moore, 1969. 1999: No obvious access, and pit is likely long inactive.			
REFERENCES			
Moore, 1969; Stephenson, 1966; Nevada Department of Transportation, 1977 (aerial photograph 20-20) ; U.S. Bureau of Mines, 1995, Seq. 0320190040			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
123 NCC Clay pit
OTHER NAME(S)

GEOLOGY

Stephenson (1966) reported the deposit is probably Upper Miocene to Lower Pliocene in age and probably depositionally related to the limestone quarried 3 km to the north by the Nevada Cement Co. The clay averages 15-28% alumina and is low in alkali. One higher alumina sample contained silica: 52%, iron oxide: 7%, lime: 7%, and magnesia: 3%.

NO PROPERTY
124 Marble Bluff quarry
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed		Washoe	Limestone	Sedimentary

QUAD SHEET				
Nixon NW				

OWNERSHIP				
Pyramid Lake Indian Reservation				

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 9, W/2 Sec. 10, T23N, R23E	4402540	281780	11

PRODUCTION			
Small amount from sec. 9 quarry before 1966 by Nevada Cement Co.			

HISTORY			
Sec. 9 quarry operation pre-dates 1954, in USGS air photo VEU 2-163. Nevada Cement Co. held lease in 1960's but did no mining at the time.			

DEVELOPMENT			
Quarry and borrow pits along line between secs. 9 and 10 and small quarry in section 15.			

SAMPLE SITE(S)			
RN-10, RN-11, RN-12, RN-18			

REMARKS			
UTM taken at quarry in Sec 9.			

REFERENCES			
Bonham and Papke, 1969; Stephenson, 1966; U.S. Bureau of Mines, 1995, Seq. 0320310041			

FIELD EXAMINER(S)			
D. A. Davis, 9/12/1991			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
124 **Marble Bluff quarry**

OTHER NAME(S)

GEOLOGY

The main outcrop covers about 5 sq. km centered on section 10 and consists of a mountain of marine limestone and dolomite, probably in the Upper Triassic Nightingale sequence. The slopes below 4,300 ft. are generally covered by calcareous tufa formed in Pleistocene Lake Lahonton. The limestone is generally massive, finely crystalline, and gray to bluish gray. It weathers to smooth and satiny surfaces. The limestone in and adjacent to the pit is light gray to white and finely crystalline; the bleaching is probably due to metamorphic processes. The limestone generally contains greater than 95% calcium carbonate and is low in magnesia and alkali. Bonham and Papke (1969) reported that a sample from the section 9 quarry consisted of lime: 50.47%, magnesia: 2.82%, silica: 0.73%, alumina: 0.47%, and iron oxide: 0.03%. Reserves of the limestone are estimated to be more than 200,000,000 tons. The dolomite is generally massive but locally is thinly-bedded and dark gray to black. It weathers to a hard fluted or rough surface that may be either dark blue to gray-brown or black. Locally, chert nodules are present in both the limestone and dolomite. The limestone and dolomite tend to form large blocks with faulted contacts trending north to northeast. The internal bedding is variable but generally strikes northeast to east and dips moderately to steeply northwest or southeast. The bedding generally parallels the faults. Isoclinal and chevron folds are locally present with axial planes that trend generally parallel to the contacts.

NO PROPERTY
125 Crescent claims
OTHER NAME(S)
Seven Lakes prospect; Red Rock prospect

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	U	volcangenic uranium

QUAD SHEET			
Dogskin Mtn.			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 27, T24N, R18E	4400040	325360	11

PRODUCTION
None.

HISTORY

DEVELOPMENT
Several pits and trenches.

SAMPLE SITE(S)

REMARKS

REFERENCES
AECPRR 3772; Bonham and Papke, 1969; Cupp and others, 1977; Garside, 1973; Hurley and others, 1982; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310157

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
125 Crescent claims

OTHER NAME(S)

Seven Lakes prospect; Red Rock prospect

GEOLOGY

An unidentified yellow uranium mineral was reported from along a fault in Oligocene ash-flow tuff (Garside, 1973), probably the tuff of Dogskin Mountain (Henry and others, 2004). Anomalous radioactivity (3- and 14-times background) is limited to clay-altered and iron-stained fractures. Background = 0.01 mR/hr.; High = 0.4 mR/hr. A select sample ran 0.35% eU₃O₈ and a 13 cm horizontal chip contained 0.06% eU₃O₈. Additional samples contained up to 0.135 % U₃O₈.

NO PROPERTY
126 Independence group (Nos. 1-12)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Dogskin Mtn.			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SW¼ Sec. 16, T24N, R18E	4380020	310490	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
Several bulldozer cuts and two short adits.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Holmes, 1972; Garside, 1973; Cupp and others, 1977; Hurley and others, 1982, no.1; U.S. Bureau of Mines, 1995, Seq. 0320310219			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
126 Independence group (Nos. 1-12)
OTHER NAME(S)

GEOLOGY

Autunite(?) and an unidentified yellow uranium mineral (meta-ankoleite?) are found with carbonized fossil wood at the base of a cooling unit in Oligocene ash-flow tuffs. The carbonaceous material is discontinuous, and thickness varies from a few cm to about 2 m. Mineralization in the bed can be traced for about 0.4 km. The beds dip 30°-35°SW. Radioactivity = 0.03 mR/hr.; High = 4.0 mR/hr. Three 1.2 m chip samples contained 0.10 and 0.092% eU3O8 respectively. A select sample of carboneous material contained 0.32% eU3O8, and a select tuff sample contained 0.22%U3O8.

NO PROPERTY
127 Tick Canyon group (Nos. 1-16)

OTHER NAME(S)

Tick Tock claims

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Dogskin Mtn.			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 32, T24N, R19E	4377700	310720	11
PRODUCTION			
15 tons at 0.21% U3O8, 64 lbs. (Cupp and others, 1977).			
HISTORY			
DEVELOPMENT			
Several prospect pits, trenches, two inclined shafts and one vertical shaft.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Cupp and others, 1977; Garside, 1973; Hurley and others, 1982; Mason and others, 1996, Rec. M231112; Castor and Henry, 2000; Henry and others, 2004			
FIELD EXAMINER(S)			
L.J. Garside, 1968			
OCCURRENCE			
Metallic			

NO PROPERTY
127 Tick Canyon group (Nos. 1-16)

OTHER NAME(S)

Tick Tock claims

GEOLOGY

A yellow-green, fluorescent, uranium mineral (meta-autunite?) and iron-oxides are associated with charcoal and fossil wood in tuffaceous and conglomeratic sandstone at the base of the Nine Hill Tuff. Northwest-striking faults may also control mineralization. Radioactivity: background = 0.015 mR/hr.; carbonaceous beds = 0.03 mR/hr.; high = 0.5 mR/hr. U3O8 analyses up to 0.25% were reported. Castor and Henry (2000) reported chalcadonic and granular quartz veins that cut Nine Hill Tuff about 50 m NW of the canyon.

NO PROPERTY
128 Divide claims (Nos. 0-9)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Dogskin Mtn.			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 26, T24N, R19E	4416670	295060	11
PRODUCTION			
None.			
HISTORY			
DEVELOPMENT			
A large cut and numerous bulldozer trenches.			
SAMPLE SITE(S)			
REMARKS			
U.S. Bureau of Mines (1995) notes in R18E.			
REFERENCES			
Bonham and Papke, 1969; Cupp and others, 1977; Garside, 1973; Hurley and others, 1982; Mason and others, 1996, Rec. 231087; U.S. Bureau of Mines, 1995, Seq. 0320310155, 0320310180			
FIELD EXAMINER(S)			
L.J. Garside, 1969, 2003			
OCCURRENCE			
Metallic			

NO PROPERTY
128 Divide claims (Nos. 0-9)

OTHER NAME(S)

GEOLOGY

Autunite and torbernite(?) occur as specks and fine disseminations in charcoal and bentonitic ash at the base of the Oligocene Nine Hill Tuff. The area of uranium mineralization is about 215 m by 90 m, and is present along one edge of an erosional remnant of the tuffs, which here overlie weathered granodiorite. The mineralized zone is up to 6 m thick, as exposed in a large cut, and includes volcanic ash with charcoal stringers, and granodiorite boulders up to 4.5 m in diameter. Background = 0.017 mR/hr.; High = 0.43 mR/hr. Assays ran as high as 0.30% eU3O8 for the charcoal material (other samples 0.37% cU3O8).

NO PROPERTY
129 Lara No. 9 claim
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Stateline Peak		Washoe	U		Volcanogenic uranium
QUAD SHEET					
Dogskin Mtn.					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ Sec. 29, T24N, R19E		4422796	247202	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Prospect pit and bulldozer cuts.					
SAMPLE SITE(S)					
REMARKS					
Location taken from Quade and others, 1990a, 1990b.					
REFERENCES					
Bonham and Papke, 1969; Cupp and others, 1977; Garside, 1973; U.S. Bureau of Mines, 1995, Seq. 0320310156					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
129 Lara No. 9 claim

OTHER NAME(S)

GEOLOGY

A yellow, non-fluorescent uranium mineral occurs along N90°E, 20°N fractures in Oligocene ash-flow tuff. Background = 0.01 mR/hr.; High = 0.2 mR/hr. A 30 cm chip sample contained 0.06% eU3O8.

NO PROPERTY
130 Go-Getter and Pup claims
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Dogskin Mtn.			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 28, T24N, R19E	4425510	247300	11
PRODUCTION			
None.			
HISTORY			
DEVELOPMENT			
Prospect pit and several bulldozer cuts.			
SAMPLE SITE(S)			
REMARKS			
Location taken from Quade and others, 1990a, 1990b. Could not be located by Hurley and others (1982).			
REFERENCES			
Bonham and Papke, 1969; Cupp and others , 1977; Garside, 1973; Mason and others, 1996, Rec. 231091; U.S. Bureau of Mines, 1995, Seq. 0320311017			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
130 Go-Getter and Pup claims
OTHER NAME(S)

GEOLOGY

Uranium mineralization occurs at the base of Oligocene ash-flow tuffs for a distance of 23 m along the strike. Autunite(?) is reported. A zone of intercalated clays, tuffs, decomposed granodiorite, and carbonaceous material lies below the tuffs and above granodiorite. This zone may be up to 3 m thick, and contains most of the uranium mineralization. Background = 0.02 mR/hr.; High = 0.45 mR/hr. Chip samples along the mineralized bed contain 0.038% to 0.081% eU₃O₈.

NO PROPERTY
131 Nevada Cut Stone Property
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Castle Peak	Storey	Dimension stone	Igneous

QUAD SHEET			
Vista			

OWNERSHIP			
Perl Brothers (1994)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 16, T19N, R21E	4420890	254500	11

PRODUCTION
Small

HISTORY
Pit started between 1946 and 1952. 1952-1953: Operated by Tuffstone Products Corp. for making cinder blocks.

DEVELOPMENT
1960: Quarry covering less than 1 ha, building, and block plant.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Bonham, 1987; Bryan and others, 1994, 2004; Gallagher, 1952, 1953; Nevada Department of Transportation, 1960, (aerial photograph 1-1); U.S. Geological Survey, 1946, (aerial photograph 2-84); Stathis, 1960

FIELD EXAMINER(S)
Not visited during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
131 Nevada Cut Stone Property
OTHER NAME(S)

GEOLOGY

Quarry is in part of the Miocene Washington Hill Rhyolite consisting of rhyolite air-fall tuff, pyroclastic flows, waterlaid tuff and tuffaceous mudstone. The age is approximately 10 Ma. (Bell and Bonham, 1987). The tuff at the Tuffstone Quarry is pumiceous rhyolite tuff, over 90% rhyolite glass with sparse plagioclase phenocrysts (clear to completely altered) and a few biotite crystal fragments. The tuff was quarried for dimension stone for lightweight purposes (Stathis, 1960).

NO PROPERTY
132 Sunnyside claims (Nos. 1 and 2)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Dogskin Mtn.			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SW¼ Sec. 20, T24N, R19E	4421960	258680	11
PRODUCTION			
None.			
HISTORY			
DEVELOPMENT			
Caved shaft and several bulldozer cuts.			
SAMPLE SITE(S)			
REMARKS			
Location taken from Cupp and others, 1977 and S.B. Castor, oral commun.			
REFERENCES			
Cupp and others, 1977; Garside, 1973; Mason and others, 1996, Rec. 231108; U.S. Bureau of Mines, 1995, Seq. 0320310218; Castor and Henry, 1999			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
132 Sunnyside claims (Nos. 1 and 2)
OTHER NAME(S)

GEOLOGY

Radioactivity occurs along a clay-altered and hematized fault zone in Oligocene ash-flow tuffs. The fault is nearly horizontal. The most radioactive area (30 x background) is a 3 cm zone of clay gouge (Castor and Henry, 1999, p. 31). A 30 cm horizontal chip sample contained 0.03% eU308 and select samples contain up to 0.36% U.

NO PROPERTY
133 Laura(?) claim
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Stateline Peak		Washoe	U		Volcanogenic uranium
QUAD SHEET					
Dogskin Mtn.					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 29, T24N, R19E		4421920	254130	11	
PRODUCTION					
None.					
HISTORY					
DEVELOPMENT					
One prospect pit.					
SAMPLE SITE(S)					
REMARKS					
Location taken from Quade and others, 1990a, 1990b. Could not be located by Hurley and others (1982).					
REFERENCES					
Cupp and others, 1977; Garside, 1973; Mason and others, 1996, Rec. M231098					
FIELD EXAMINER(S)					
L.J. Garside, 1969					
OCCURRENCE					
Metallic					

NO PROPERTY
133 Laura(?) claim
OTHER NAME(S)

GEOLOGY

Slightly abnormal radioactivity occurs along a north-trending fault zone in Oligocene ash-flow tuffs. Background = 0.015 mR/hr.; High = 0.05 mR/hr.

NO PROPERTY
134 Golden Eagle, Red Eagle claims
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Stateline Peak		Washoe	U		Volcanogenic uranium
QUAD SHEET					
Dogskin Mtn.					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ SE¼ Sec. 22, T24N, R19E		4422030	255180	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
One bulldozer cut.					
SAMPLE SITE(S)					
REMARKS					
Location taken from Quade and others, 1990a, 1990b. Could not be located by Hurley and others (1982).					
REFERENCES					
Garside, 1973; Mason and others, 1996, Rec. M231092; U.S. Bureau of Mines, 1995, Seq. 0320310217					
FIELD EXAMINER(S)					
L.J. Garside, 1969					
OCCURRENCE					
Metallic					

NO PROPERTY
134 Golden Eagle, Red Eagle claims
OTHER NAME(S)

GEOLOGY

Very slightly anomalous radioactivity is concentrated in a small fault and fractures in Oligocene ash-flow tuff. The higher radioactivity is associated with heavy coatings of iron and manganese oxides along the fractures. Background = 0.033 mR/hr.; High = 0.06 mR/hr.

NO PROPERTY
135 Red Rock prospect

OTHER NAME(S)

O'Blarney claims, Deer Lodge claims, Kollman prospect

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Rare Earths, U	Aplite-pegmatite dike
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SW¼ Sec. 27, T22N, R18E	4376200	272760	11
PRODUCTION			
None.			
HISTORY			
DEVELOPMENT			
Two bulldozer trenches.			
SAMPLE SITE(S)			
REMARKS			
Location taken from prospect symbols on Reno NW Quadrangle. MASMILS 0320310183 is noted as being in Section 3.			
REFERENCES			
Cupp and others, 1977; Bonham and Papke, 1969; Garside, 1973; Hurley and others, 1982; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310149, 0320310183			
FIELD EXAMINER(S)			
L.J. Garside, 1969			
OCCURRENCE			
Metallic			

NO PROPERTY
135 Red Rock prospect

OTHER NAME(S)

O'Blarney claims, Deer Lodge claims, Kollman prospect

GEOLOGY

A large granitic aplite-pegmatite dike (45 m by 150 m) which cuts a Cretaceous quartz diorite intrusion contains several small segregations of allanite pegmatite. The dike strikes east-west and is nearly vertical. Eight allanite pegmatite bodies are reported in the dike. The allanite occurs as euhedral to subhedral crystals as much as 6 cm long and 1 cm wide in an aplitic matrix of quartz, albite, and microcline. Allanite content varies from 5-30%. The large aplite-pegmatite dike is probably related to a pluton of quartz monzonite which intrudes the quartz diorite about 1.5 km east of the prospect. Tscheffkinite (a rare earth titanate-silicate) has been reported from the Deer Lodge claims. Background = 0.012 mR/hr.; High = 0.13 mR/hr. Allanite is radioactive and contains some thorium. Large hand specimens run about 10 times background. Hurley and others (1982) report pegmatitic granite contains 37 ppm U3O8.

NO PROPERTY
136 Granite Mountain prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Th, U	Pegmatite dike
QUAD SHEET			
Granite Peak			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 27(?), T23N, R18E	4423206	253660	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from center of section. Exact location unknown.			
REFERENCES			
Bonham and Papke, 1969; Garside, 1973; Mason and others, 1996, Rec. M231114; U.S. Bureau of Mines, 1995, Seq. 0320310129			
FIELD EXAMINER(S)			
L.J. Garside, 1970			
OCCURRENCE			
Metallic			

NO PROPERTY
136 Granite Mountain prospect
OTHER NAME(S)

GEOLOGY

A uranium- and thorium-bearing pegmatite is reported from this area. The prospect could not be located in 1970.

NO PROPERTY
137 Hopeless prospect (7 claims)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Tule Peak			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 9, T24N, R20E	4422030	254840	11
PRODUCTION			
None recorded.			
HISTORY			
DEVELOPMENT			
Shallow pits and trenches.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Garside, 1973; Hurley and others, 1982; U.S. Bureau of Mines, 1995, Seq. 0320310124			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
137 Hopeless prospect (7 claims)
OTHER NAME(S)

GEOLOGY

Fluorescent uranium minerals occur along a fault zone in Oligocene ash-flow tuff. Anomalous radioactivity was detected for 30 m along the fault. Background = 0.03 nR/hr.; High = 0.45 mR/hr. Assays range from 0.01 to 0.03% eU3O8. Prospect could not be located by Hurley and others (1982).

NO PROPERTY
138 Unnamed quarry
OTHER NAME(S)
Sutcliff area calcium carbonate

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Calcium Carbonate	Sedimentary

QUAD SHEET			
Sutcliffe			

OWNERSHIP			
Pyramid Lake Indian Reservation			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 15, T24N, R21E	4423430	258320	11

PRODUCTION
Total production unknown.

HISTORY
Mined from before 1952 (as early as 1922(?)) through 1964.

DEVELOPMENT
Open cuts in quarry.

SAMPLE SITE(S)

REMARKS
Location taken from aerial photographs, NBMG Reno AMS Low Sun Angle (1980) 1-676; USGS VEU (1954) 4-73.

REFERENCES
Bonham and Papke, 1969; U.S. Bureau of Mines, 1995, Seq. 0320310177

FIELD EXAMINER(S)
Not examined during this study

OCCURRENCE
Nonmetallic

NO PROPERTY
138 Unnamed quarry

OTHER NAME(S)
Sutcliff area calcium carbonate

GEOLOGY

Deposits are remnants of a single, nearly flat ($<4^\circ$ dip), bed from less than 1 m to about 4 m thick of nearly pure, thinly-bedded, slightly consolidated calcium carbonate largely made up of stems and powdered material from the lacustrine algae "Chara". The calcium carbonate bed lies between two impure diatomite layers with gradational contacts of about 2 cm. Radiocarbon dates from the same layer near Astor Pass showed dates of 16,800 \pm 800 years and 17,500 \pm 600 years. The environment of the algae was likely shallow embayments along the open shore of Pleistocene Lake Lahonton. The calcium carbonate easily breaks into a fine powder and does not require crushing. An analysis from this quarry showed: CaO: 34.95%, MgO: 1.2%, SiO₂: 22.21%, Al₂O₃: 4.51%, SO₃: 3.54%, and H₂O: 2.6%.

NO PROPERTY
139 Unnamed uranium prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	U	Volcanogenic uranium (?)
QUAD SHEET			
Tule Peak			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 29, T24N, R21E	4403374	247423	11
PRODUCTION			
None(?).			
HISTORY			
DEVELOPMENT			
Prospect.			
SAMPLE SITE(S)			
REMARKS			
Location taken from Quade and others, 1990a, 1990b.			
REFERENCES			
Bonham and Papke, 1969; Mason and others, 1996, Rec. M231076; U.S. Bureau of Mines, 1995, Seq. 0320310179			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
139 Unnamed uranium prospect
OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but on the map of Bonham and Papke (1969), the prospect is located near or on a fault in Oligocene ash-flow tuffs.

NO PROPERTY
140 Lowary claims

OTHER NAME(S)

Maue-McCray Mine, Lowary Mine, Lowery group, Lowary 2 to 11

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Tule Peak			
OWNERSHIP			
Nellie Lowary, H. E. and Mae McCray, Howard Maue (1983)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SE ¼ Sec. 36, T24N, R20E	4412880	247580	11
PRODUCTION			
311 tons at 0.53% U3O8, 3306 lbs. (Cupp and others, 1977).			
HISTORY			
Lowary 2-11 located in 1955 by Nellie Lowary, H. E. and Mae McCray, and Howard Maue. All were kept current at least through 1976 and Lowary 7 and 8 were current through 1983.			
DEVELOPMENT			
An open cut 30 m long, 20 m wide, and 3-6 m deep, and several smaller pits and trenches.			
SAMPLE SITE(S)			
REMARKS			
Location taken from Quade and others (1990a, 1990b) and Hurley and others (1982). Garside (1973) also reports the claims extend into SW1/4, sec. 31, T24N, R21E. 0320310119 notes location as sec. 31, T24N, R21E.			
REFERENCES			
Bonham and Papke, 1969; Brooks, 1956; Cupp and others, 1977; Garside, 1973; Hurley and others, 1982; Mason and others, 1996, Rec. M231099; Quade and others, 1990; U.S. Bureau of Mines, 1995, Seq. 0320310119; Washoe Co Min Claims Rec; Washoe Co. Of Rec			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
140 Lowary claims

OTHER NAME(S)

Maue-McCray Mine, Lowary Mine, Lowery group, Lowary 2 to 11

GEOLOGY

Uranium mineralization occurs in and adjacent to a N10°E, 20°E fault zone in Oligocene ash-flow tuff. Anomalous radioactivity extends along the fault for about 60 m in a zone up to 3 m wide. U. S. Atomic Energy Commission geologists (AEC PRR-3775) who examined the property in 1955 reported uraninite, autunite, uranospinite, uraniferous opal, and barite. However, Bonham and Papke (1969) recognized only autunite and a yellow secondary uranium mineral (probably uranophane). Brooks (1956) also reported the presence of radioactive manganese oxide. Background = 0.025 mR/hr.; High = 1.4 mR/hr. Select samples contain over 9% eU3O8. The highest analyses in Hurley and others (1982) were 0.32% U3O8.

NO PROPERTY
141 Mullen Pass diatomite deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Diatomite	Sedimentary
QUAD SHEET			
Tule Peak, Sutcliffe			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Secs. 3, 4, T23N, R20E	4426520	265730	11
PRODUCTION			
None(?)			
HISTORY			
DEVELOPMENT			
Few shallow pits and trenches at three locations in secs. 3 and 4.			
SAMPLE SITE(S)			
REMARKS			
Location taken from center of secs. 3 and 4 on the Sutcliffe topographic map. Several small white patches that may be small pits are visible in aerial photographs in several areas in these sections.			
REFERENCES			
Bonham and Papke, 1969; U.S. Bureau of Mines, 1995, Seq. 0320310036			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
141 Mullen Pass diatomite deposit
OTHER NAME(S)

GEOLOGY

Deposits are in the Middle Miocene Pyramid Formation. The deposits are poorly exposed and the lower contact is not exposed, but the deposits are probably less than 6 m thick and have a low angle of dip. The diatomite is nearly massive and white with a pink to yellow cast. Two samples contained broken 0.02 mm long tests of "Melosira" and a considerable amount of non-opaline material.

NO PROPERTY
142 Lucky Day group
OTHER NAME(S)
Pegmatite claims (no. 419)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Nightingale	Washoe	U	Volcanogenic uranium

QUAD SHEET			
Russell Peak			

OWNERSHIP			
Arthur and Geraldine Wilson and John B. and Helen V. Craig (1987).			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 33 and SW ¼ Sec. 34, T25	4425880	276660	11

PRODUCTION

HISTORY
BLM (1997) lists claims as being located in 1979, however claims of the same name may pre-date these. Last assessment in 1987.

DEVELOPMENT
Numerous prospect pits and one adit. Lucky Day group consists of 24 claims in sections 33 and 34.

SAMPLE SITE(S)

REMARKS
Prospects mapped in SW1/4, section 34 near MASMILS location for Lucky Day No. 2.

REFERENCES
Bonham and Papke, 1969; Garside, 1973; Hurley and others, 1982; U.S. Bureau of Land Management, 1997b; U.S. Bureau of Mines, 1995, Seq. 0320310087, 0320310212, 0320310370

FIELD EXAMINER(S)
L.J. Garside, 1969

OCCURRENCE
Metallic

NO PROPERTY
142 Lucky Day group

OTHER NAME(S)

Pegmatite claims (no. 419)

GEOLOGY

Anomalous radioactivity and yellow uranium minerals (autunite?, weeksite, carnotite, uranophane?, and haiweeite) are found at one locality in a small prospect pit along a 15 cm thick volcanic ash bed. The radioactive bed lies directly below the lowest massive, red, Oligocene ash-flow tuff, and above about 6 m of slightly bentonitic ash. The ash-flow tuff lies with angular unconformity over steeply dipping black Triassic(?) limestone of the Nightingale sequence. Radioactivity is not continuous along the bed in outcrop. Background = 0.035 mR/hr.; High = 0.25 mR/hr. Select samples contain from 0.02 to 0.75% eU₃O₈, and are anomalous in Mo, V, Cu, and Y (Hurley and others, 1982).

NO PROPERTY
143 Winnemucca Lake silica deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Nightingale	Washoe	Silica	Quartz pegmatite

QUAD SHEET
Russell Peak

OWNERSHIP
Southern Pacific Co. (1969) owned all of sec. 21

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 21, T24N, R24E	4422450	273430	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Exploration trenches

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Papke, 1969; U.S. Bureau of Mines, 1995, Seq. 0320310054, 0320320234

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
143 Winnemucca Lake silica deposit

OTHER NAME(S)

GEOLOGY

Deposit is a northeastward-trending pegmatite body consisting almost entirely of quartz about 120 m long and averaging about 60 m wide. The outcrop locally forms a prominent knob with about 64 m of vertical exposure. The adjacent rock is a medium-grained, altered, and locally silicified granodiorite containing abundant secondary iron oxides and minor pyrite. A dark, fine-grained diorite crops out just to the northeast, and marble crops out to the southwest. The quartz is massive, generally white, and locally semi-transparent. Locally, the material is stained brown to reddish brown by secondary iron oxides concentrated along fractures and seams and to a lesser extent impregnated through the quartz. Minor feldspar and muscovite are also present in the pegmatite. Two samples contained: silica: 98.85% and 98.95%, alumina: 0.21% and 0.41%, and iron oxide: 0.56% and 0.81% respectively.

NO PROPERTY
144 Winnemucca Lake limestone deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Nightingale	Washoe	Limestone	Sedimentary
QUAD SHEET			
Russell Peak			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 20, N/2 Sec. 29, T24N, R24E	4420060	271140	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
None(?)			
SAMPLE SITE(S)			
RN-21			
REMARKS			
UTMs taken from estimated center of the carbonate outcrop. Sample RN-21 is a sample of limestone.			
REFERENCES			
Bonham and Papke, 1969; U.S. Bureau of Mines, 1995, Seq. 0320310042, 0320320233			
FIELD EXAMINER(S)			
D. A. Davis, 9/17/1991			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
144 Winnemucca Lake limestone deposit
OTHER NAME(S)

GEOLOGY

The deposit consists of carbonate rock of the Triassic to Jurassic Nightingale sequence that forms the upper part of a northeast-trending mountain and is about 1.5 km long and 0.3 km wide. The northwestern slope of the mountain is underlain by granitic rocks that are intrusive into the sedimentary rocks. To the northeast and east, the carbonate rock is in probable fault contact with thinly-bedded, dark gray to black, calcareous siltstone and argillite of the Nightingale sequence. The carbonate rocks are about 90 m thick. In the lower part, the beds dip about 15°SE. The dip steepens to 40° in the upper part, and the beds form a dip slope on the southeastern side of the ridge. The lower half of the carbonate sequence is a medium gray, medium- to thickly-bedded, fine- to medium-grained, somewhat friable limestone with only a few thin bands of silicate rock as impurities. The upper half consists of massive, brown-weathering dolomite with local zebra stripes. The limestone and dolomite interfinger in a transitional zone of variable thickness.

NO PROPERTY
145 Nixon diatomite deposit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Washoe	Diatomite		Sedimentary

QUAD SHEET

Nixon, Russell Peak

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Secs. 2, 3, 4, 8, 9, 10, 11, 21, 22, T2	4418810	276000	11

PRODUCTION

None

HISTORY

DEVELOPMENT

None(?)

SAMPLE SITE(S)

REMARKS

UTMs taken from estimated center of the sections listed above.

REFERENCES

Bonham and Papke, 1969; U.S. Bureau of Mines, 1995, Seq. 0320310037

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Nonmetallic

NO PROPERTY
145 Nixon diatomite deposit

OTHER NAME(S)

GEOLOGY

Diatomite is exposed in numerous areas in the Sections noted above with the exposures in Secs. 21 and 22 separated from the others by an east-west trending alluvium-filled valley. The best exposure is in the NW¼ Sec. 8. The base of the diatomite is covered by talus and the top is conformably overlain by conglomeratic sandstone containing volcanic tuff and diatomite near its base. The total exposed thickness of the diatomite is about 44 m. The entire sequence is overlain by olivine basalt which forms the crest and east slope of ridges. The diatomite and sandstone are of probable upper Miocene age. The diatomite is very pale orange which tends to bleach lighter upon exposure. The lower part of the diatomite has paper thin bedding, but the upper 18 m is mostly massive and forms subdued cliffs. The diatomite in secs. 21 and 22 is flat-lying, very impure, and interbedded with clay and is probably younger than the diatomite to the north. Six samples show the diatomite to contain 2-3% grit and clay. The diatomite consists largely of diatom tests with original diameters of 0.10-0.25 mm that have all been fragmented to pieces less than 0.09 mm across. The apparent density of pulverized samples ranged from 308-709 kg per cu. m.

NO PROPERTY
146 Buckhorn Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Granite Peak			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 31, T23N, R18E	4429210	305260	11
PRODUCTION			
420 tons of ore containing 0.2% U3O8 in 1955 and 1956. Cupp and others (1977) report 317 tons at 0.24% U3O8, 1490 lbs.			
HISTORY			
Uranium mineralization discovered in 1954.			
DEVELOPMENT			
Two (caved) adits, two shafts, extensive bulldozer cuts and trenches, drill holes, and numerous pits and trenches.			
SAMPLE SITE(S)			
95134-95138			
REMARKS			
Located from Cupp and others (1977). Property straddles the border with Lassen County, California.			
REFERENCES			
Bonham and Papke, 1969; Cupp and others, 1977; Garside, 1973; Hurley and others, 1982; Mason and others, 1996, Rec. M231115; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310128; Castor and Henry, 2000			
FIELD EXAMINER(S)			
L.J. Garside, 1968; S.B. Castor, 1995; J. V. Tingley, 1998			
OCCURRENCE			
Metallic			

NO PROPERTY
146 Buckhorn Mine

OTHER NAME(S)

GEOLOGY

Gummite, uranophane, and autunite occur as small disseminated grains in Oligocene rhyolitic ash-flow tuff, which here overlies tuffaceous lacustrine sedimentary rocks. Gummite was reported to be the chief uranium mineral present; however, it is now known to be a mixture of secondary uranium minerals. Mineralization is apparently associated with narrow, iron-stained, silicified veinlets. The principal zone of mineralization is at least 43 m long by 27 m wide, and uranium minerals occur in northeast-trending fractures in a biotite-deficient rhyolite tuff unit. A second mineralized zone strikes northwest and is about 37 m long by 6 m wide. It is found in a biotite-rich rhyolite welded tuff unit, which lies below the biotite-poor unit. Inability of the mine operators to keep the ore grade at or above 0.2% U₃O₈ is reported to be the reason for cessation of mining on the property. Apparently a moderate tonnage of material averaging somewhat less than 0.2% U₃O₈ is still present at the Buckhorn mine. Background = 0.01 mR/hr.; High = 0.50 mR/hr. Grab samples contained up to 0.51% eU₃O₈. The highest grade select sample contained 2.35% eU₃O₈. Cupp and others (1977) report assays of 5-480 ppm U₃O₈.

NO PROPERTY
147 Verdi lignite-uranium prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	U		Sedimentary
QUAD SHEET					
Verdi					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 9, T19N, R18E		4423630	304840	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
None					
SAMPLE SITE(S)					
REMARKS					
Location taken from Quade and others (1990a, 1990b). Garside (1973) and MASMILS place prospect in SE1/4, sec. 4, T19N, R18E.					
REFERENCES					
Bonham and Papke, 1969; Garside, 1973; Mason and others, 1996, Rec. M231173; U.S. Bureau of Mines, 1995, Seq. 0320310022					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
147 Verdi lignite-uranium prospect
OTHER NAME(S)

GEOLOGY

One sample of lignite from the Tertiary Truckee Formation was very slightly radioactive. Nearby lignitic beds were not radioactive. Less than 0.001% equivalent uranium has been reported.

NO PROPERTY
148 Chalk Bluff diatomite deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Diatomite	Sedimentary
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 17, T19N, R19E	4422300	302740	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
None			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from west end of Highland Ditch siphon about where sample was reported taken.			
REFERENCES			
Bonham and Papke, 1969; U.S. Bureau of Mines, 1995, Seq. 0320310039			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
148 Chalk Bluff diatomite deposit
OTHER NAME(S)

GEOLOGY

Diatomite deposits are part of the Miocene and Pliocene sandstone of Hunter Creek, and are up to 150 m thick. One sample contained unbroken "Melosira" about 0.02 mm in length and a relatively large amount of anisotropic impurities. The diatomite is off-white in color with a gray or pink cast. The brightness is 60-65%.

NO PROPERTY
149 Good Luck claims (Nos. 1-18)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Reno NE			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 20, T21N, R20E	4416090	305140	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Two small pits.			
SAMPLE SITE(S)			
REMARKS			
Bonham and Papke (1969, Plate 2) show this property in SE¼ Sec. 17, T21N, R20E, but do not describe it. Hurley and others (1982) were unable to locate it. The original description (AEC PRR3763 reports it to be in Sec. 3.			
REFERENCES			
Bonham and Papke, 1969; Garside, 1973; Good Luck Prospect, 1970a, 1970b; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310189			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
149 **Good Luck claims (Nos. 1-18)**

OTHER NAME(S)

GEOLOGY

Abnormal radioactivity and a non-fluorescent yellow uranium mineral are present sporadically over an area 90 m by 300 m. The uranium mineralization is located along north-trending, steeply dipping breccia zones, fractures, and altered areas in Oligocene ash-flow tuffs, which are highly silicified and iron-stained adjacent to the mineralized fractures. High radioactivity is associated with fibrous volcanic glass. Background = 0.035 mR/hr.; High = 0.13 mR/hr. Selected samples contain up to 0.31% eU₃O₈ (0.353% eU₃O₈), and 30 cm channel samples assayed 0.01% eU₃O₈. Hurley and others (1982) could not find this prospect.

NO PROPERTY
150 Daisy Mae claim

OTHER NAME(S)
Greenstone prospect

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	U		Sandstone uranium
QUAD SHEET					
Griffith Canyon					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ SW¼ Sec. 27, T22N, R20E		4411520	243320	11	
PRODUCTION					
None.					
HISTORY					
DEVELOPMENT					
A 13.5 m adit and several cuts and trenches.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Cupp and others), 1977; Garside, 1973; Hurley and others, 1982; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310018					
FIELD EXAMINER(S)					
L.J. Garside, 9/9/1996					
OCCURRENCE					
Metallic					

NO PROPERTY
150 Daisy Mae claim

OTHER NAME(S)
Greenstone prospect

GEOLOGY

Anomalous radioactivity and autunite(?) have been reported from the basal contact of late Miocene fluvial sedimentary rocks and underlying Oligocene tuff of Dogskin Mountain. A light green, bentonitic zone in the sedimentary rocks has the highest radioactivity. Radioactivity is a maximum of 5 times background. A 3 m chip sample contained 0.01% eU₃O₈; Hurley and others (1982) report analyses up to 267 ppm U₃O₈.

NO PROPERTY
151 Nevada Dominion Mine

OTHER NAME(S)

Nevada Doninion Group; Buckeye Mine; Franco-American Mine; Blondin Mine; Nevada Pyramid Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au, Cu, Pb, Zn	High-sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
Claude S. Chaplin (1985)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 15, T23N, R21E	4379510	245700	11
PRODUCTION			
2,634 tons of ore valued at \$87,100 between 1881-1889			
HISTORY			
Nevada Dominion, Nevada Dominion Nos. 1-7 located between 2 Mar and 20 Sep 1923 by F. Blondin. Blondin died 1939, mine passed to S. R. Campbell who kept it until 1964. Later owners: North American Aviation, North American Rockwell 1965-1971.			
DEVELOPMENT			
Group of eight claims and three millsites 1923-1985. Main shaft is over 60 m deep with about 100 m of level workings, now flooded. Also, several shallow shafts, an adit, and several pits.			
SAMPLE SITE(S)			
6168, 6169			
REMARKS			
UTMs at mine site. All claims relocated by Claude Chaplin 6 Mar 1972 who kept Nevada Dominion Nos. 1-3 claims through 1985. Earlier history: Located as Buckeye Claim 30 Mar 1876 by Ebben Palmer. Franco-American Mine 1881-1889(?). More to add.			
REFERENCES			
Bonham and Papke, 1969; Couch and Carpenter, 1943; Fisk, 1951; Mason and others, 1996, Rec. M231089; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310114, 0320310254, 0320310259; Washoe Co Min Claims Rec, 1923, 1940, 1964-1972, 1985			
FIELD EXAMINER(S)			
S.B. Castor, 9/24/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
151 Nevada Dominion Mine

OTHER NAME(S)

Nevada Doninion Group; Buckeye Mine; Franco-American Mine; Blondin Mine; Nevada Pyramid Mine

GEOLOGY

Two distinct veins crop out at the property. The main vein developed in the mine strikes N45°W, is 2.5-3 m wide, and consists at the surface of brecciated, silicified, thoroughly oxidized rhyolite ash-flow tuff containing moderately abundant iron oxides derived from the sulfide oxidation as well as some manganese oxide and barite. The sulfide ore in the vein contains enargite, sphalerite, galena, and pyrite. A grab sample from the dump of the main shaft assayed lead: 6.5%, zinc: 25%, copper: 0.18%, silver: 8.36 oz. per ton, and a trace of gold. The wall rock is Miocene ash-flow tuff. Sample 6168 is a selected sample from Nevada Dominion dump containing pyrite, galena, sphalerite, and a grey sulfide. Sample 6169 is typical silica-bornite-pyrite rock from Nevada Dominion dump; no Cu minerals were noted on the dump.

NO PROPERTY
152 Cinch Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au, Cu	High-sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
Will F. Clark of Kellogg and Jesse Clark (1960)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 15, T23N, R21E	4377560	253040	11
PRODUCTION			
None(?)			
HISTORY			
Located 11 Sep 1959 by Will F. Clark and Jessee Clark and kept current through 1960. 1960 proof of labor notes tunnel.			
DEVELOPMENT			
Two adits, about 100 m of drifts, and numerous pits.			
SAMPLE SITE(S)			
6162			
REMARKS			
Wallace (1975) shows Cinch Mine adit to be in SE1/4 of Section 16.			
REFERENCES			
Bonham and Papke, 1969; Mason and others, 1996, Rec. M231070; Moll and Nelson, 1969; Tingley and others, 1999 U.S. Bureau of Mines, 1995, Seq. 0320310115			
FIELD EXAMINER(S)			
S.B. Castor, 9/10/1998			
OCCURRENCE			
Metallic			

NO PROPERTY

152 Cinch Mine

OTHER NAME(S)

GEOLOGY

At least five distinct northwest-trending veins crop out at the surface. Dacitic ash-flow tuff of the Miocene tuff of Perry Canyon forms the wall rock of the veins and has been thoroughly bleached. The northernmost adit follows the vein for 30 m and then intersects a thoroughly leached and oxidized, northeast-trending vein containing 2-15 cm of chalcantite, and minor enargite and pyrite. Moderately abundant iron oxides derived from the sulfide oxidation and some manganese oxide and barite. The sulfide ore in the vein contains enargite, sphalerite, galena, and pyrite. A grab sample from the dump of the main shaft assayed lead: 6.5%, zinc: 25%, copper: 0.18%, silver: 8.36 oz. per ton, and a trace of gold. Sample 6162 is silicified rock with pyrite.

NO PROPERTY
153 Guanomi Mine

OTHER NAME(S)
Foster's Camp Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au, Cu, Mo	Vein
QUAD SHEET			
Pah Rah Mtn.			
OWNERSHIP			
Pyramid Lake Indian Reservation			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 24, T23N, R22E	4395070	263010	11
PRODUCTION			
Molybdenum-copper ore mined but not shipped.			
HISTORY			
Discovered in a cut of the Fernley and Lassen Railway. Developed in 1920's for gold and silver and explored in 1930s' and again in the early 1970's by American Selco for copper and molybdenum.			
DEVELOPMENT			
120 m adit, now caved at portal, with about 120 m of lateral workings, and a 27 m shaft, now caved at mouth. Wallace (1975) states 240 m of lateral workings.			
SAMPLE SITE(S)			
REMARKS			
Mineralization is related to stock explored by American Selco (464).			
REFERENCES			
Bonham and Papke, 1969; Mason and others, 1996, Rec. M231071; Prochnau, 1973; Schilling, 1962; U.S. Bureau of Mines, 1995, Seq. 0320310146; Wallace, 1975; Whitebread and McGill, 1977; Garside and others, 2000			
FIELD EXAMINER(S)			
L.J. Garside and S.B. Castor, 1999.			
OCCURRENCE			
Metallic			

NO PROPERTY
153 Guanomi Mine

OTHER NAME(S)
Foster's Camp Mine

GEOLOGY

Primary sulfide minerals at the mine consist of abundant pyrite and minor molybdenite which occur both as disseminations and in veinlets in highly altered intrusive rock. Molybdenite occurs in quartz veinlets and along fracture surfaces. A less than 3 m thick oxide zone caps the primary sulfides, and there appears to be little if any supergene sulfide mineralization. No copper oxide or sulfide is visible, but the mineralized intrusive rock reportedly contains up to 0.1% copper. The altered intrusive host rock consists of quartz, hydrothermal sericite, and 5-10% sulfide minerals. The outcrop of mineralized rock covers a few hundred sq. m and is surrounded by Pleistocene Lake Lahontan beach sediments, but is located about 460 m northeast of outcrops of a more than 2.5 sq. km altered, centrally medium-grained to marginally porphyritic quartz monzonite stock centered on the ridge that forms the east side of Tom Anderson Canyon. The stock intrudes the Oligocene ash-flow tuffs and varies from a propylitic phase in the central portion to intense quartz-sericite alteration in its marginal portions. Where least altered, the stock consists of partly chloritized biotite, epidote, clinozoisite, chlorite, hematite, and minor pyrite. Potash feldspar appears slightly more abundant than plagioclase. The more intensely altered portions of the stock formerly contained abundant pyrite, now oxidized to iron due to sulfuric acid produced during pyrite oxidation. The sulfide zone is probably at relatively shallow depths. The welded ash-flow tuffs have been weakly to intensely altered, and the alteration varies from propylitic to quartz-sericite phases. The quartz-sericite phase of the stock is difficult to distinguish from that of the host rock. A breccia zone of fragments of highly altered, welded tuff containing abundant limonite and limonite boxworks attesting to the former presence of sulfides is present along the southern contact of the stock and the tuffs. This breccia zone is over 90 m wide and over 300 m long. Sericite associated with mineralization has been dated at 24.0 ± 0.7 Ma (Wallace, 1975; Garside and others, 2000).

NO PROPERTY
154 Snap property
OTHER NAME(S)
Snap and Snap 2, 3, 4 Claims

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	U	Volcanogenic uranium (?)

QUAD SHEET			
Moses Rock			

OWNERSHIP			
A. J. Flagg, Victor Perry, and Edward Clark (1958)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 2, T22N, R21E	4402822	266592	11

PRODUCTION
None(?)

HISTORY
Snap Claim was located 7 Jan 1958 and Snap 2, 3, and 4 Claims were located 3 Feb 1958 by A. J. Flagg, Victor Perry, and Edward Clark. No proofs of labor recorded after 1958. Snap 2, 3, and 4 were at the sites of abandoned claims.

DEVELOPMENT
Four unpatented claims in 1958.

SAMPLE SITE(S)

REMARKS
Location taken from Quade and others, 1990a, 1990b. Exact location not known. Location records state claims are located in Sec. 34, T23N, R21E.

REFERENCES
Bonham and Papke, 1969; Garside, 1973; Mason and others, 1996, Rec. M231107; Tingley and others, 1999

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
154 Snap property
OTHER NAME(S)
Snap and Snap 2, 3, 4 Claims

GEOLOGY

Detailed prospect geology uncertain, but Sec. 2 includes silicic Oligocene ash-flow tuffs that have uranium mineralization elsewhere.

NO PROPERTY
155 Lost Partner group (1-9)

OTHER NAME(S)

Lost Pardner group; Lost Partner Claim Nos. 1-9

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Moses Rock			
OWNERSHIP			
James F. Colfer (1965)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 24, T23N, R21E	4415550	276150	11
PRODUCTION			
None.			
HISTORY			
Lost Partner Nos. 1-9 located 31 Jul-2 Aug 1955 by James F. Colfer and John T. McGraw. No. 12 located 17 May 1958. Kept current ththrough 1960. Nos. 1, 2, 12 relocated by J. Colfer 20 Jul 1963 and kept through 1965.			
DEVELOPMENT			
Numerous shallow prospect pits, a shallow shaft, some trenching, some diamond drilling.			
SAMPLE SITE(S)			
REMARKS			
Location from Hurley and others (1982).			
REFERENCES			
Bonham and others, 1969; Cupp and others, 1977; Garside, 1973; Hurley and others, 1982; Mason and others, 1996, Rec. M231086; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310123; Washoe Co Min Claim Rec, 1955, 1958, 1960, 1963, 1965			
FIELD EXAMINER(S)			
H. F. Bonham, Jr., 1966			
OCCURRENCE			
Metallic			

NO PROPERTY
155 Lost Partner group (1-9)

OTHER NAME(S)

Lost Pardner group; Lost Partner Claim Nos. 1-9

GEOLOGY

Several uranium minerals, including autunite, torbernite(?), and pitchblende(?), have been reported from this locality. The uranium mineralization is found in a fault breccia in Oligocene ash-flow tuff, which also contains iron oxides. The fault strikes N85°W and dips 85°S. Bonham and Papke (1969) saw no uranium minerals during a visit in 1969. Background = 0.02-0.03 mR/hr.; High = 1.4 mR/hr. A 58 cm wide chip sample contained 0.51% eU₃O₈. Samples collected by Hurley and others (1982) were only 86 ppm or less.

NO PROPERTY
156 Bing group (Nos. 1-11)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
North American Rockwell Corp. (1969)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 28(?), T23N, R21E	4414920	276020	11
PRODUCTION			
None recorded			
HISTORY			
DEVELOPMENT			
Several prospect pits.			
SAMPLE SITE(S)			
REMARKS			
Location taken from center of section. Could not be located in 1979; possibly in Sec. 34 or 27 (Hurley and others, 1982).			
REFERENCES			
Bonham and Papke, 1969; Garside, 1973; Hurley and others, 1982; Mason and others, 1996, Rec. M231069; Tingley and others, 1999			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
156 Bing group (Nos. 1-11)
OTHER NAME(S)

GEOLOGY

Iron-oxides, autunite(?), torbernite(?), and unidentified secondary uranium minerals occur in a northwesterly-trending brecciated shear zone in Oligocene ash-flow tuff. The contact of the tuff with Mesozoic granodiorite is nearby. Background = 0.05 mR/hr.; High = 15.0 mR/hr. Samples contain 0.016-2.13% eU3O8.

NO PROPERTY
158 Shipton rutile prospect

OTHER NAME(S)

Arrowhead No. 1 Lode Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Ti	Pegmatite dikes

QUAD SHEET
Bedell Flat

OWNERSHIP
Jack Shipton (1952); L. Smith (1974)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 24, T22N, R19E	4413280	290060	11

PRODUCTION
None

HISTORY
Located as Arrowhead in or before 1974 by L. Smith

DEVELOPMENT
Two claims. Topographic map shows several prospects.

SAMPLE SITE(S)

REMARKS
Location taken from Quade and others (1990a, 1990b), but Beal reports the location to be in sec. 22, T22N, R20E.

REFERENCES
Beal, 1963; Garside, 1993; Tingley and others, 1999

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
158 Shipton rutile prospect

OTHER NAME(S)
Arrowhead No. 1 Lode Claim

GEOLOGY

Rutile occurs sparsely near the contact of quartz and feldspar (pegmatitic dikes) in diorite. Garside (1993) shows the area to be in granodiorite of Golden Valley.

NO PROPERTY
159 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Gravel, sand	Sedimentary

QUAD SHEET			
Hazen			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 25, T20N, R25E	4409000	278000	11

PRODUCTION			
Moderate(?)			

HISTORY			
Pit started before 1954.			

DEVELOPMENT			
Single open pit covering about 4 ha. in 1985.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center of pit.			

REFERENCES			
Moore, 1969; U.S. Geological Survey, 1954 (aerial photograph 2-17)			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
159 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in alluvial fan sediments.

NO PROPERTY
160 Peponis prospect

OTHER NAME(S)

Ebony claims

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Cedar	Washoe	Mn	Vein
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
Susan Clark (Reno)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 26, T22N, R20E	4413091	279481	11
PRODUCTION			
None recorded though some may have been shipped.			
HISTORY			
DEVELOPMENT			
Open cut 76 m by 30 m by 3 m deep.			
SAMPLE SITE(S)			
4192			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; L.C. Hsu, oral communication, 1996; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310015			
FIELD EXAMINER(S)			
L.J. Garside, 1996.			
OCCURRENCE			
Metallic			

NO PROPERTY
160 Peponis prospect

OTHER NAME(S)

Ebony claims

GEOLOGY

Black manganese oxides occur in a N25°E striking, 15°SW dipping vein emplaced within a fault zone in ash-flow tuff of the tuff of Whiskey Spring. The vein averages 1.2 m wide and can be traced for about 60 m along strike. It consists of manganese oxides and unreplaced breccia fragments of rhyolite tuff. Portions of the vein consist of moderately high-grade manganese oxide. The vein appears to be terminated at its southern end by a post-ore fault. Bonham and Papke (1969) reported that the main manganese oxide mineral present is hypogene psilomelane, although massive, boytroidal manganese oxide collected during this study was identified by x-ray diffraction as pyrolusite (L.C. Hsu, oral commun., 1996). There is no evidence in the exposed portion of the vein that the manganese oxide was derived by supergene processes from any pre-existing minerals (Bonham and Papke, 1969). The tuff is not appreciably hydrothermally altered, although minor smectite occurs with the pyrolusite. The manganese oxide occurs as boytroidal crusts, fracture fillings, and vein-like masses up to 10 cm thick; some material is associated with sacchroidal to finely drusy vein quartz. In addition to veining along the fault, manganese oxides occur as fillings of cooling fractures and hydrothermal breccias. Goethite is a very minor constituent. Sample 4192 is select manganese oxide material with some quartz.

NO PROPERTY
161 Petrified Tree group (Nos. 1-17)
OTHER NAME(S)
Spanish Springs Valley prospect; Petrified Tree prospect

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	U		Volcanogenic uranium
QUAD SHEET					
Griffith Canyon					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ SW¼ Sec. 12, T21N, R20E		4412330	274960	11	
PRODUCTION					
None.					
HISTORY					
DEVELOPMENT					
Two bulldozer benches, prospect pits, and a bulldozer road.					
SAMPLE SITE(S)					
6097					
REMARKS					
REFERENCES					
Cupp and others, 1977; Garside, 1973; Hurley and others, 1982; Mason and others, 1996, Rec. M231102; Tingley and others, 1999; U.S. Bureau of Mines, 1996, Seq. 0320310186; Holmes, 1972					
FIELD EXAMINER(S)					
L.J. Garside, 1968, 1996					
OCCURRENCE					
Metallic					

NO PROPERTY
161 Petrified Tree group (Nos. 1-17)

OTHER NAME(S)

Spanish Springs Valley prospect; Petrified Tree prospect

GEOLOGY

Anomalous radioactivity is associated with silicified and carbonized logs and other plant material at the base of the Oligocene tuff of Axehandle Canyon. The tuff is densely welded here, and overlies a roof pendant of biotite-rich gneissic rock in a granodiorite intrusion which crops out nearby. The metamorphic rocks have been cut by aplitic dikes and apophyses of granodiorite. The rhyolite ash-flow tuff was apparently deposited in a paleovalley cut in granodiorite. The logs and other material are found below the perlitic vitrophyre base of the tuff in an ash-rich bentonitic unit, which apparently occurs near the bottom of a paleovalley. Several small faults and fractures are present, but the radioactivity does not seem to be localized along them. Sabugalite and autunite occur in the wood, and disseminated in the weathered metamorphic rocks. The uranium minerals are more abundant in the silicified portions of the logs. Background = 0.013 mR/hr.; High = 0.10 mR/hr. Carbonized wood contains 0.025% U₃O₈. Hurley and others (1982) reported analyses up to 157 ppm. Sample 6097 is of white, grey, and buff petrified wood fragments, some dark silica veining, clots and stringers of opalite; FeOx staining is found in some areas.

NO PROPERTY
162 Choates Mine

OTHER NAME(S)

Freeman Mine; Jellison Mine; Stibnite prospect;

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au, Pb, Sb	Quartz vein
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
North American Aviation, Inc. (1960)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Secs. 7, 18, T21N, R21E	4405060	260950	11
PRODUCTION			
1940: 27 tons 52% Sb, 1941: 11 tons 56% Sb, 1942: 19 tons 62.5% Sb			
HISTORY			
DEVELOPMENT			
Two adits, one 15 m long and the other 34 m long, with some stoping in between.			
SAMPLE SITE(S)			
4186			
REMARKS			
Almost centered on the section line.			
REFERENCES			
Bonham and Papke, 1969; Lawrence, 1963; Mason and others, 1996, Rec. M231080; Tingley and others, 1999; U.S. Bureau of Mines, 1996, Seq. 0320310134			
FIELD EXAMINER(S)			
L.J. Garside, 6/6/97			
OCCURRENCE			
Metallic			

NO PROPERTY
162 Choates Mine

OTHER NAME(S)

Freeman Mine; Jellison Mine; Stibnite prospect;

GEOLOGY

Massive stibnite and quartz was observed on the dump of an open adit. Mineralization is reported to occur along veins encountered in the mine workings, which are in Cretaceous granite. The eastern adit contains a vein which dips eastward at a low angle, and is thought to be the arched-over continuation of the westward-dipping vein in the western adit. Another vein segment which strikes N45°E and dips 20°-50°SE is believed to be a split from the main vein. Vein material includes quartz, stibnite, and minor pyrite. Pods up to 10 cm long, streaks, and individual crystals of bladed stibnite are scattered through the quartz. A sample of the main vein assayed antimony: 22.73%, silver: 0.06 oz per ton, trace gold, and no selenium. Stibnite has been partly altered to yellow, white, and brown antimony oxides. Most of the oxides occur as pseudomorphs after the sulfide. Some are earthy to powdery. A small amount of a red oxysulfide (kermesite?) encloses grains of stibnite. Pyrite commonly is replaced by limonite. Feldspar crystals in the granite have been sericitized for a few cm outward from the veins. Sample 4186 is select stibnite-bearing vein material from an ore pile near the adit portal.

NO PROPERTY
163 Sunset prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Sb	Quartz vein
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
Phillip Evans (1957)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 18, T21N, R21E	4382080	317880	11
PRODUCTION			
Minor(?)			
HISTORY			
DEVELOPMENT			
Several trenches, two inclined shafts, and a small amount of underground workings.			
SAMPLE SITE(S)			
6109			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Lawrence, 1963; Mason and others, 1996, Rec. M231109; Tingley and others, 1999; U.S. Bureau of Mines, 1996, Seq. 0320310135			
FIELD EXAMINER(S)			
J. V. Tingley, 1999			
OCCURRENCE			
Metallic			

NO PROPERTY
163 Sunset prospect

OTHER NAME(S)

GEOLOGY

Moderately kaolinized, weathered granodiorite is cut by sheeted quartz veins containing spotty stibnite. Much of the stibnite has been completely oxidized to yellow and white oxides. Veins are thin, sometimes only quartz selvage on fracture surfaces, some show slickensides. The main structure exposed strikes N70°W, 40°SW and has vitreous, white vein quartz along it with trace dark mineral, probably stibnite. There are several other thin veins more or less parallel to this structure. The zone of veining appears to be about 1.5-2 m thick. Also a N66°E, 52°SE-dipping sheeted zone with quartz veining. Vein fragments on dumps are no more than 2-3 cm thick with some containing stibnite. Sample 6109 is white quartz vein with clots stibnite; stibnite present as blue-black, subhedral crystals; also white, red-brown and orange-yellow antimony oxide minerals along with iron-oxide staining.

NO PROPERTY
164 Donatelli Mine

OTHER NAME(S)
Georgianne

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Cu, Sb		Quartz vein
QUAD SHEET					
Spanish Springs Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ NE ¼ Sec. 30, T22N, R22E		4402820	268640	11	
PRODUCTION					
1940: 1 ton of ore averaging 29.4% antimony.					
HISTORY					
Discovered by L. C. Bechwith in 1908. G. D. Hopkins and J. E. Gaut located Georgianne and Maryjane claims in 1939 and 1940 respectively.					
DEVELOPMENT					
Several shallow shafts, short adits, and trenches.					
SAMPLE SITE(S)					
6108					
REMARKS					
REFERENCES					
Bonham and Papke, 1969; Lawrence, 1963; Mason and others, 1996, Rec. M231088; Tingley and others, 1999; U.S. Bureau of Mines, 1996, Seq. 0320310192					
FIELD EXAMINER(S)					
D. A. Davis, 1994; J. V. Tingley, 10/7/1998					
OCCURRENCE					
Metallic					

NO PROPERTY
164 Donatelli Mine

OTHER NAME(S)
Georgianne

GEOLOGY

Biotite-hornblende granodiorite crops out at the mine. The granodiorite is locally argillized, and elsewhere, is partly sericitized. A narrow fine-grained granite dike, striking N60°E cuts the coarser granodiorite. A shear zone 0.3-2.4 m in width dips 65°SE and follows the dike. A vein up to 0.9 m in width occurs in the zone. The vein consists largely of quartz with minor calcite. Single crystals, disseminated grains, and small pods of stibnite up to 1.2 cm across occur in the quartz. Pyrite, malachite, and azurite are associated with the stibnite, which has been partly altered to white and yellow oxides. These oxides are fibrous to pitchy, and less commonly earthy and powdery. A small amount of red oxysulfide (kermesite(?)) forms haloes around grains of stibnite. A sample of vein material assayed: Sb: 38.73%, Ag: 0.56 oz. per ton, trace Au, and no Se. Sample 6108 contains stibnite, Sb oxides, iron oxides, and quartz vein material.

NO PROPERTY
170 Unnamed light aggregate deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Washoe	Light weight aggregate	Igneous
QUAD SHEET			
Patrick			
OWNERSHIP			
U.S. Bureau of Land Management (2005)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 25, T20N, R21E	4397850	269480	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
None			
SAMPLE SITE(S)			
REMARKS			
Deposit partly falls into SW1/4, sec. 30 T20N, R22E. UTM's from center of deposit.			
REFERENCES			
Bonham and Papke, 1969; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310050; Washoe County Assessor, 2005, APN 8402014			
FIELD EXAMINER(S)			
D. A. Davis, 8/19/1999			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
170 Unnamed light aggregate deposit
OTHER NAME(S)

GEOLOGY

Miocene(?) pumiceous rhyolite that tends to form hills apparently consists of shallow, nearly vertical intrusive bodies or extrusive domes, but exposed contacts are rare. Some deposits are extensively brecciated by volcanic processes, with associated mixing of rhyolite and wall-rock fragments. The rock is commonly very light gray with a slight vitreous to pearly luster. It varies in density and usually does not contain visible voids, but microscopic vesicles are abundant. Commonly, steep-dipping flow banding is present. The rock mainly consists of slightly devitrified volcanic glass containing only minor amounts of rock-forming minerals. This deposit has well-developed flow banding, and is of higher specific gravity than the other deposits in the area. Bonham and Papke (1969) showed the deposit covering an area of about 0.4 sq. km.

NO PROPERTY
171 Unnamed light aggregate deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Light weight aggregate	Igneous

QUAD SHEET			
Patrick			

OWNERSHIP			
Tahoe-Reno Industrial Center (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 2, T19N, R21E	4396060	271170	11

PRODUCTION			
None			

HISTORY			

DEVELOPMENT			
None			

SAMPLE SITE(S)			

REMARKS			
UTMs from center of deposit.			

REFERENCES			
Bonham and Papke, 1969; Tingley and others, 1999; Washoe County Assessor, 2005, APN 8410102			

FIELD EXAMINER(S)			
D. A. Davis, 8/19/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
171 Unnamed light aggregate deposit
OTHER NAME(S)

GEOLOGY

Miocene(?) pumiceous rhyolite that tends to form hills apparently consists of shallow, nearly vertical intrusive bodies or extrusive domes, but exposed contacts are rare. Some deposits are extensively brecciated by volcanic processes, with associated mixing of rhyolite and wall-rock fragments. Commonly, the rock is very light gray with a slight vitreous to pearly luster. The rock varies in density and usually does not contain visible voids, but microscopic vesicles are abundant. Commonly, steep-dipping flow banding is present. The rock largely consists of slightly devitrified volcanic glass containing only minor amounts of rock-forming minerals. The rhyolite in this deposit has a specific gravity of 2.20. Papke (1969) showed the deposit covering an area of about 0.05 sq. km.

NO PROPERTY
172 Revelation Grog Pit

OTHER NAME(S)
Revelation Pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Clay, Light weight aggregate	Igneous

QUAD SHEET

Vista

OWNERSHIP

Stanley K. Kinder (2005)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 4, T19N, R21E	4396750	271300	11

PRODUCTION

Small

HISTORY

Pit started before 1946. 1952: Reno Press Brick Co. used aggregate for filler in some types of bricks. 1999: Frehner uses the material as a source of fines in aggregate for asphalt cement.

DEVELOPMENT

Open pit

SAMPLE SITE(S)

REMARKS

UTMs from center of deposit.

REFERENCES

Bell and Bonham, 1987; Bonham and Papke, 1969; Gallagher, 1952; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310032; U.S. Geological Survey, 1946 (aerial photograph 2-84); Washoe County Assessor, 2005, APN 8406012

FIELD EXAMINER(S)

S.B. Castor, 1998

OCCURRENCE

Nonmetallic

NO PROPERTY
172 Revelation Grog Pit

OTHER NAME(S)

Revelation Pit

GEOLOGY

Miocene(?) pumiceous rhyolite that tends to form hills apparently consists of shallow, nearly vertical intrusive bodies or extrusive domes, but exposed contacts are rare. Some deposits are extensively brecciated by volcanic processes, with associated mixing of rhyolite and wall-rock fragments. Commonly, the rock is very light gray with a slight vitreous to pearly luster. The rock varies in density and usually does not contain visible voids, but microscopic vesicles are abundant. Commonly, steep-dipping flow banding is present. The rock largely consists of slightly devitrified volcanic glass containing only minor amounts of rock-forming minerals. The pumiceous rhyolite in this deposit is lighter gray and more visibly cellular than that in other deposits in the area and contains some quartz. Flow bands, consisting of glassy streaks, are present locally. Much of the pumiceous rhyolite is shattered and part of it is breccia. A tuff-breccia, perhaps genetically related to the rhyolite is exposed locally near the edge of the deposit. Samples of the rhyolite in this deposit had a specific gravity of 1.85 and 2.10. Bonham and Papke (1969) showed the deposit covering an area of about 0.1 sq. km. Expansion testing of rhyolite material for 45 seconds showed some slight expansion at 1800-2000°F and somewhat more expansion at 2200°F (Tingley and others, 1999, p. 5-8).

NO PROPERTY
173 Unnamed light aggregate deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Light weight aggregate	Igneous

QUAD SHEET			
Vista			

OWNERSHIP			
U.S. Bureau of Land Management (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 8, T19N, R21E	4402560	281810	11

PRODUCTION			
None			

HISTORY			

DEVELOPMENT			
Small pit			

SAMPLE SITE(S)			

REMARKS			
UTMs from center of deposit.			

REFERENCES			
Bell and Bonham, 1987; Bonham and Papke, 1969; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310171; Washoe County Assessor, 2005, APN 8406016			

FIELD EXAMINER(S)			
D. A. Davis, 8/19/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
173 Unnamed light aggregate deposit
OTHER NAME(S)

GEOLOGY

Miocene(?) pumiceous rhyolite that tends to form hills apparently consists of shallow, nearly vertical intrusive bodies or extrusive domes, but exposed contacts are rare. Some deposits are extensively brecciated by volcanic processes, with associated mixing of rhyolite and wall-rock fragments. Commonly, the rock is very light gray with a slight vitreous to pearly luster. The rock varies in density and usually does not contain visible voids, but microscopic vesicles are abundant. Commonly, steep-dipping flow banding is present. The rock largely consists of slightly devitrified volcanic glass containing only minor amounts of rock-forming minerals. The pumiceous rhyolite in this deposit is largely flow banded and heavy. Road cuts through the ridge to the south show some of the rhyolite that is lighter and more vesicular, often brecciated, and with less developed flow bands. Samples of the rhyolite in this deposit had a specific gravity of between 2.23 and 2.30. Papke (1969) shows the deposit covering an area of about 0.23 sq. km.

NO PROPERTY
174 Red Rock Common Use Area
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Aggregate	Sedimentary

QUAD SHEET			
Dogskin Mtn.			

OWNERSHIP			
U.S. Bureau of Land Management			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 32, T24N, R18E	4402850	282000	11

PRODUCTION			
Small			

HISTORY			
Started between 1956 and 1974. Active in 1991			

DEVELOPMENT			
Small pit			

SAMPLE SITE(S)			

REMARKS			
Gravel pit on topographic map, and borrow pit in Bryan and others (1994)			

REFERENCES			
Bryan and others, 1994; U.S. Geological Survey, 1956 (aerial photograph 385), 1974 (aerial photograph 1-54)			

FIELD EXAMINER(S)			
L.J. Garside, ca. 1999.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
174 Red Rock Common Use Area
OTHER NAME(S)

GEOLOGY

The pit is in talus of rhyolitic ash-flow tuff; probably the material has been used mainly for fill and base material.

NO PROPERTY
175 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Aggregate	Sedimentary
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
Nevada Department of Transportation			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 2, T21N, R20E	4404220	292790	11
PRODUCTION			
Small			
HISTORY			
Inactive in 1991			
DEVELOPMENT			
Borrow pit			
SAMPLE SITE(S)			
REMARKS			
Gravel pit on topographic map, and borrow pit in Bryan and others (1994).			
REFERENCES			
Bryan and others, 1994; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J., Garside, 7/17/1996			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
175 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

The gravel pit is developed in Quaternary alluvial-fan material.

NO PROPERTY
176 Paiute pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Aggregate	Sedimentary
QUAD SHEET			
Wadsworth			
OWNERSHIP			
Pyramid Lake Indian Reservation (2005)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 27, NE ¼ Sec. 34, T21N, R	4396470	295650	11
PRODUCTION			
More than 100,000 tons in 2003			
HISTORY			
Pit started between 1968 and 1974. 1975-1988, 1992-1994: Operated by Paiute Pit Aggregates. 1995-1998: Operated by Ree's Enterprises; 1999-2005: operated by RMC Nevada.			
DEVELOPMENT			
Single bench open pit covering about 0.38 sq. km. in 1985.			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from center of pit.			
REFERENCES			
Bonham and Papke, 1969; Bryan and others, 1994, 2004; Davis, 2004; Bell and others, 2003, Nevada Division of Minerals, 2004; Nevada State Inspector of Mines, 1976, 1977, 1978, 1978, 1980, 1981, 1982, 1983, 1985, 1986, 1987, 1988, 1989, 1993, 1994, 1995, 1			
FIELD EXAMINER(S)			
D. A. Davis, 7/20/1999			
OCCURRENCE			
Nonmetallic			

NO PROPERTY

176 Paiute pit

OTHER NAME(S)

GEOLOGY

The pit is developed in river-terrace deposits of the early to mid-Holocene Truckee River (Bell and others, 2003).

NO PROPERTY
177 Wadsworth pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Aggregate	Sedimentary

QUAD SHEET			
Wadsworth			

OWNERSHIP			
Granite Construction Co. (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 3, T20N, R24E	4381520	294510	11

PRODUCTION
Less than 100,000 tons in 1991

HISTORY
Post-1980(?), active in 1991. 1994: Operated by Smith Family Trust.

DEVELOPMENT
Two pits

SAMPLE SITE(S)

REMARKS
Location estimated from Bryan and others (1994). No pit observed at this location on 1994 and 1999 aerial photographs.

REFERENCES
Bonham and Papke, 1969; Bryan and others, 1994; Washoe County Assessor, 2005, APN 8415006

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
177 Wadsworth pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in Quaternary alluvium which consists of stream deposits, talus, slope wash, alluvial fan, and eolian deposits (Bonham and Papke, 1969).

NO PROPERTY
178 Donovan pit
OTHER NAME(S)
Unnamed borrow pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Decomposed granite	Sedimentary
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
Scott Donovan (2003)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 24, T21N, R20E	4382520	280250	11
PRODUCTION			
Small(?)			
HISTORY			
Pit started before 1974. Active in 1991. 1999: Operated by Scott Donovan.			
DEVELOPMENT			
Large borrow(?) pit, operation covered estimated 12 hectares 1974.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Bryan and others, 1994; Nevada State Inspector of Mines, 2000, 2001, 2002, 2003, 2004; Tingley and others, 1999; U.S. Geological Survey, 1974 (aerial photograph 1-65)			
FIELD EXAMINER(S)			
L.J. Garside, 1997			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
178 Donovan pit

OTHER NAME(S)
Unnamed borrow pit

GEOLOGY

The pit is developed in decomposed Cretaceous granite and granite-derived alluvium..

NO PROPERTY
179 Spanish Springs pit

OTHER NAME(S)

Sky Ranch pit

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Decomposed granite, sand, gravel		Intrusive
QUAD SHEET					
Griffith Canyon					
OWNERSHIP					
Martin Marietta Materials (2004)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 15, T21N, R20E		4382960	279300	11	
PRODUCTION					
2002: greater than 1,000,000 tons					
HISTORY					
Post 1946. Pre-1956, gravel pit on topo map in existence. 1975-1979: Operated by Seaberry-Depaoli. 1986-1998: Operated by Rocky Ridge, Inc. 2004; active.					
DEVELOPMENT					
Large pit (covering about 8 ha in 1994) several sand and gravel pits noted on topographic map.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Bryan and others, 1994, 2004; Davis, 2004, Nevada Division of Minerals, 2004; Nevada State Inspector of Mines, 1976, 1977, 1978, 1979, 1980, 1987, 1988, 1989, 1990, 1991, 1992, 1994, 1995, 1996, 1998, 2000, 2001, 2002, 2003, 2004; Tingley and LaPointe, 19					
FIELD EXAMINER(S)					
L.J. Garside, 1997					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
179 **Spanish Springs pit**

OTHER NAME(S)
Sky Ranch pit

GEOLOGY

The pit is developed in decomposed Cretaceous granite and granite-derived alluvium.

NO PROPERTY
180 Lemmon Valley/Hungry Valley pits

OTHER NAME(S)

Sha-Neva Pit; Peek Realty Lemmon Valley Pit; Lemmon Valley Pit No. 4

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan(?)	Washoe	Aggregate, sand, gravel	Sedimentary
QUAD SHEET			
Reno, NE			
OWNERSHIP			
Martin Marietta Materials (2004)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 14, NE¼ Sec. 23, NW¼ Sec	4380220	276150	11
PRODUCTION			
2002: Less than 100,000 tons			
HISTORY			
Started between 1963 and 1966.			
DEVELOPMENT			
Several large open pits and a screening operation. The disturbed area covered about 0.59 sq. km in 1991.			
SAMPLE SITE(S)			
REMARKS			
Bryan and others (1994) list two adjacent pits, Lemmon Valley and Hungry Valley. On aerial photographs, several large pits appear as parts of one large operation. UTM's taken from center of operation.			
REFERENCES			
Bryan and others, 1994, 2004; Cordy, 1985; Nevada Department of Transportation, 1963 (aerial photograph 37); Nevada Division of Minerals, 2004; Nevada State Inspector of Mines, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1985, 1986, 1987, 1989, 1990,			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
180 Lemmon Valley/Hungry Valley pits

OTHER NAME(S)

Sha-Neva Pit; Peek Realty Lemmon Valley Pit; Lemmon Valley Pit No. 4

GEOLOGY

Late Pleistocene to Holocene lacustrine (Lake Lemmon) beach and forebeach deposits consisting of generally arkosic clay, silt, and fine to granular sand and Holocene windblown sand forming dunes from the lake deposits and alluvium. Reported to be a good source of clean road sand.

NO PROPERTY
181 Golden Valley pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Decomposed granite	Residual
QUAD SHEET			
Reno			
OWNERSHIP			
A and K Earthmovers (2004)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 11, NW¼ Sec. 12, T20N, R	4379950	273540	11
PRODUCTION			
Produced more than 100,000 tons in 2003			
HISTORY			
Started between 1956 and 1962. 2000-2005: Operated by A and K Earthmovers.			
DEVELOPMENT			
Open pit			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Bingler, 1973; Bryan and others, 1994, 2004; Davis, 2004; Nevada Department of Transportation, 1962b (aerial photograph 38-2); Nevada Division of Minerals, 2004; Nevada State Inspector of Mines, 2001, 2002, 2003, 2004; Tingley and others, 1999;			
FIELD EXAMINER(S)			
L.J. Garside, 2005			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
181 Golden Valley pit
OTHER NAME(S)

GEOLOGY

The pit is developed in deeply weathered, coarse-grained, light gray Cretaceous granite, consisting of microcline, quartz, plagioclase, and moderately abundant biotite.

NO PROPERTY
182 Sun Valley pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Decomposed granite	Residual
QUAD SHEET			
Vista			
OWNERSHIP			
U.S. Bureau of Land Management (2005)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 9, T20N, R20E	4378660	272030	11
PRODUCTION			
Small			
HISTORY			
Pit started between 1956 and 1962. 1975-1986: operated by BLM. 1995-2001: Bobby Jackling Loader Service used pit.			
DEVELOPMENT			
Open pit			
SAMPLE SITE(S)			
REMARKS			
U.S. Bureau of Mines (1995) places pit in section 10.			
REFERENCES			
Bell and Bonham, 1987; Bryan and others, 1994; Nevada Department of Transportation, 1962b (aerial photograph 4-4); Nevada State Inspector of Mines, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1985, 1986, 1987, 1996, 1998, 2000, 2001, 2002; Tingley an			
FIELD EXAMINER(S)			
L.J. Garside, 1996			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
182 Sun Valley pit
OTHER NAME(S)

GEOLOGY

The pit is developed in weathered medium- to coarse-grained Mesozoic granodiorite consisting of sodic plagioclase, potassium feldspar, microcline, quartz, hornblende (locally altered to actinolite) and biotite (locally chloritized) with accessory sphene, magnetite, apatite, and zircon. Most of the decomposed granite has been removed.

NO PROPERTY
183 Railroad pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Aggregate	Intrusive

QUAD SHEET			
Vista			

OWNERSHIP			
Highlander Park, LLC (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 9, T20N, R20E	4421230	244400	11

PRODUCTION			
Small			

HISTORY			
Started between 1980 and 1985. Now part of Granite Construction Hidden Canyon operation? See 577.			

DEVELOPMENT			
Open pit			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bell and Bonham, 1987; Bryan and others, 1994; Nevada Air National Guard, 1991; Nevada Department of Transportation, 1980 (aerial photograph 5-1), 1985a (aerial photograph 9-7); Tingley and others, 1999; Washoe County Assessor, 2005, APN 8301112			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
183 Railroad pit
OTHER NAME(S)

GEOLOGY

Medium- to coarse-grained Mesozoic granodiorite consisting of sodic plagioclase, potassium feldspar, microcline, quartz, hornblende (locally altered to actinolite) and biotite (locally chloritized) with accessory sphene, magnetite, apatite, and zircon.

NO PROPERTY
184 Unnamed borrow pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Aggregate	Sedimentary

QUAD SHEET			
Verdi			

OWNERSHIP			
Nevada Department of Transportation			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 17, T19N, R19E	4399230	268420	11

PRODUCTION			
Small			

HISTORY			
Inactive in 1991.			

DEVELOPMENT			
Borrow pit			

SAMPLE SITE(S)			

REMARKS			
Location estimated from Bryan and others (1994).			

REFERENCES			
Bell and Garside, 1987; Bryan and others, 1994			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
184 Unnamed borrow pit
OTHER NAME(S)

GEOLOGY

Quaternary (pre-Donner) outwash deposits of soil and gravel.

NO PROPERTY
185 Unnamed borrow pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Aggregate	Igneous
QUAD SHEET			
Vista			
OWNERSHIP			
City of Reno (2005)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 14, T19N, R20E	4391110	305320	11
PRODUCTION			
Small			
HISTORY			
Post-1975, pre-1982, new addition to 1982 photorevised topographic map. Inactive in 1991. 1999: Operated by Nevada Department of Transportation			
DEVELOPMENT			
Borrow pit.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Bonham, 1987; Bryan and others, 1994; Tingley and others, 1999; Washoe County Assessor, 2005, APN 2102002			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
185 Unnamed borrow pit
OTHER NAME(S)

GEOLOGY

Pyroxene, pyroxene-hornblende, and hornblende flows, debris flows, and pyroclastic flows of the Tertiary Alta Formation. Flow rocks are typically medium to dark gray on fresh surfaces and weather to brown shades. The rock generally consists of phenocrysts of plagioclase (An 40-60), clinopyroxene, and/or basaltic hornblende in a fine-grained matrix of plagioclase, pyroxene, apatite, and magnetite.

NO PROPERTY
186 Sparks Marina

OTHER NAME(S)

Helms pit; Sparks pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Sand, gravel	Sedimentary

QUAD SHEET

Vista

OWNERSHIP

City of Sparks (2005)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 10, T19N, R20E	4388780	305170	11

PRODUCTION

Large(?)

HISTORY

Pit started between 1966 and 1968. Robert L. Helms Construction and Development Co. operated pit but went bankrupt. Pit filled by January 1997 flood. City of Sparks acquired pit and turned it into a marina.

DEVELOPMENT

Water-filled open pit that covers about 0.25 sq. km.

SAMPLE SITE(S)

REMARKS

REFERENCES

Bell and Bonham, 1987; Bryan and others, 1994; Nevada State Inspector of Mines, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993; Tingley and others, 1999; U.S. Air Force, 1968 (aerial photograph 154); U

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Nonmetallic

NO PROPERTY
186 Sparks Marina

OTHER NAME(S)
Helms pit; Sparks pit

GEOLOGY

Quaternary alluvium and flood plain deposits of the Truckee River which consist of light gray to dark brown silt, sandy silt, and clayey silt with local lenses of well-rounded cobble gravel. This material is glacial outwash deposits of Tioga age, dated in the pit as 6860-23690 years by C14 methods (Bell an Bonham, 1987).

NO PROPERTY
187 Patrick pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Sand, gravel	Sedimentary

QUAD SHEET			
Patrick			

OWNERSHIP			
Tahoe-Reno Industrial Center (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 31, T20N, R22E	4395020	270020	11

PRODUCTION			
Greater than 100,000 tons in 1991 (Bryan and others, 1994).			

HISTORY			
Pit started between 1959 and 1964. 1980-1997: Operated by Granite Construction. Not in operation in 1999.			

DEVELOPMENT			
Two open pits(?). 1999: partly filled with water on west end and contains buildings on east end.			

SAMPLE SITE(S)			

REMARKS			
See 676. UTM's taken from center of two gravel pits.			

REFERENCES			
Bell and Bonham, 1987; Bryan and others, 1994; Nevada Air National Guard, 1964 (aerial photograph 3-47); Nevada Department of Transportation, 1959a (aerial photograph 1-10); Nevada State Inspector of Mines, 1981, 1982, 1983, 1985, 1986, 1987, 1988, 1989,			

FIELD EXAMINER(S)			
S.B. Castor, 1998; D. A. Davis, 8/26/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY

187 Patrick pit

OTHER NAME(S)

GEOLOGY

Quaternary alluvium and flood plain deposits of the Truckee River, which in the adjacent Vista topographic quadrangle consist of light gray to dark brown silt, sandy silt, and clayey silt with local lenses of well-rounded cobble gravel. This material is derived from mainstream and overbank deposition by the Truckee River.

NO PROPERTY
188 Patrick sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Sand, gravel	Sedimentary

QUAD SHEET			
Patrick			

OWNERSHIP			
Patrick Properties, LLC (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 31, T20N, R22E	4396160	266810	11

PRODUCTION
Less than 100,000 tons in 1991.

HISTORY
Pit started between 1959 and 1964. Pit small until 1977 and then greatly enlarged before 1980. 1983-1997: Operated by Seaberry Depaoli. 1999: overgrown with cheat grass and sage and not in use for some time.

DEVELOPMENT
Open pit. Surface disurbance covered about 7 hectares in 1994.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell, 1980 (aerial photograph 1-690); Bell and Bonham, 1987; Bryan and others, 1994; Nevada Air National Guard, 1964 (aerial photograph 3-47); Nevada Department of Transportation, 1959a (aerial photograph 1-8), 1977 (aerial photograph 16-11) ; Nevada Sta

FIELD EXAMINER(S)
L.J. Garside, ca. 1995; S.B. Castor, 1999; D. A. Davis, 8/26/1999

OCCURRENCE
Nonmetallic

NO PROPERTY
188 Patrick sand pit
OTHER NAME(S)

GEOLOGY

Pit is mainly developed in Quaternary Lahontan beach sand.

NO PROPERTY
189 Unnamed borrow pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Aggregate	Igneous

QUAD SHEET			
Patrick			

OWNERSHIP			
Nevada Department of Transportation			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 29, T20N, R22E	4395790	258740	11

PRODUCTION			
Small.			

HISTORY			
Inactive in 1991.			

DEVELOPMENT			
Open pit.			

SAMPLE SITE(S)			

REMARKS			
Location estimated from Bryan and others (1994).			

REFERENCES			
Bryan and others, 1994			

FIELD EXAMINER(S)			
D. A. Davis, 8/19/99			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
189 Unnamed borrow pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain. Pit is in Tertiary basalt and andesite flows(?)

NO PROPERTY
190 Mustang pit
OTHER NAME(S)
Old Golden West pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Storey	Aggregate	Igneous
QUAD SHEET			
Patrick			
OWNERSHIP			
Gopher Construction Co. (2003)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Secs. 10, 11, 14, 15, T19N, R21E	4388960	259020	11
PRODUCTION			
2002: Less than 100,000 tons			
HISTORY			
Pit started between 1954 and 1964. 1977-1980: Operated by Silver State Asphalt, Inc. 1985-1988: Operated by Golden West Paving, Inc. 1991-1999: Operated by Nevada Hydro Carbon. 2000-2004: Operated by Gopher Construction.			
DEVELOPMENT			
1999: Open pit and surface disturbances covering about 18 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bryan and others, 1994, 2004; Nevada Division of Minerals, 2004; Nevada Air National Guard, 1964 (aerial photograph 3-44); Nevada State Inspector of Mines, 1978, 1979, 1980, 1981, 1986, 1987, 1988, 1989, 1992, 1994, 1995, 1996, 1998, 2000, 2001, 2002, 20			
FIELD EXAMINER(S)			
D. A. Davis, 8/19/1999			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
190 Mustang pit

OTHER NAME(S)
Old Golden West pit

GEOLOGY

Detailed geology is uncertain. Pit is in Tertiary basalt and andesite flows(?) and talus from the bedrock units.

NO PROPERTY
191 102 North pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Sand, gravel	Sedimentary

QUAD SHEET			
Patrick			

OWNERSHIP			
Hoss Equipment Co. (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 27, T20N, R22E	4387640	264250	11

PRODUCTION			

HISTORY			
1994: Listed as "future source" owned by now defunct Robert L. Helm Construction Co. 1999: used for truckyard for sale of heavy equipment.			

DEVELOPMENT			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bryan and others, 1994; Tingley and others, 1999; Washoe County Assessor, 2005, APN 8412025			

FIELD EXAMINER(S)			
S.B. Castor, 1998; D. A. Davis, 8/26/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
191 102 North pit
OTHER NAME(S)

GEOLOGY

Quaternary alluvium and flood plain deposits of the Truckee River.

NO PROPERTY
192 102 Ranch pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Sand, gravel	Sedimentary

QUAD SHEET			
Patrick			

OWNERSHIP			
Truckee River Investors, LLC (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 27, T20N, R22E	4388400	265160	11

PRODUCTION
More than 100,000 tons in 1991.

HISTORY
Pit started between 1980 and 1988. 1986-1993: Operated by Robert L. Helms construction Co. 1995-1998: Operated by Lost Dutchman Construction Co. 1999: not in use and filled with water.

DEVELOPMENT
1994: Open pit covering about 15 ha.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell, 1980 (aerial photograph 1-915); Bryan and others, 1994; Nevada Department of Transportation, 1988 (aerial photograph 11-5); Nevada State Inspector of Mines, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1996, 1998; Tingley and LaPointe, 1996; U.S.

FIELD EXAMINER(S)
D. A. Davis, 8/26/1999

OCCURRENCE
Nonmetallic

NO PROPERTY
192 102 Ranch pit
OTHER NAME(S)

GEOLOGY

Quaternary alluvium and flood plain deposits of the Truckee River.

NO PROPERTY
193 Porawski sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Storey	Sand	Sedimentary
QUAD SHEET			
Patrick			
OWNERSHIP			
Nick Mansfield (1991)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 34, T20N, R22E	4377530	252720	11
PRODUCTION			
Small(?)			
HISTORY			
Pit started between 1977 and 1980. 1980-1982: Operated by Joe Porawski.			
DEVELOPMENT			
1994: Open pit covering about 3.5 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell, 1980 (aerial photograph 1-915); Bryan and others, 1994; Nevada Department of Transportation, 1977 (aerial photograph 25-13) ; Nevada State Inspector of Mines, 1981, 1982; U.S. Geological Survey, 1974 (aerial photograph 1-91)			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
193 Porawski sand pit
OTHER NAME(S)

GEOLOGY

Quaternary alluvium and flood plain deposits of the Truckee River.

NO PROPERTY
194 Lockwood pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Storey	Aggregate	Ignwous

QUAD SHEET
Vista

OWNERSHIP
T. E. Bertagnolli and Associates (1999)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 16, T19N, R21E	4377460	268040	11

PRODUCTION
259,911 tons in 1987 (NDOM, 1987).

HISTORY
Owned and operated by Eagle Valley Construction in 1987. Pre-1989, inactive in 1991. 1995: Operated by T. E. Bertagnolli in 1999.

DEVELOPMENT
Open pit.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Bonham, 1987; Bryan and others, 1994; Nevada State Inspector of Mines, 1996, 1998, 2000, 2001, 2002, 2003

FIELD EXAMINER(S)
D. A. Davis, 8/19/1999

OCCURRENCE
Nonmetallic

NO PROPERTY
194 Lockwood pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain. Pit is apparently developed in flows of platy basaltic-andesite and basalt of the Upper Miocene Lousetown Formation and talus from the bedrock units.

NO PROPERTY

195 Pit No. 5

OTHER NAME(S)

Lockwood Pit; Unnamed gravel pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET

Vista

OWNERSHIP

Granite Construction Co. (2005)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 17, T19N, R21E	4379220	265570	11

PRODUCTION

Less than 100,000 in 1991. In operation in 1999.

HISTORY

Pit started between 1956 and 1959. 1980-1998: Operated by Sha-Neva, Inc. 1999: Part of the Lockwood Quarry (see 578).

DEVELOPMENT

Open pits.

SAMPLE SITE(S)

REMARKS

REFERENCES

Bell and Bonham, 1987; Bryan and others, 1994; Nevada Department of Transportation, 1959a (aerial photograph 19-1); Nevada State Inspector of Mines, 1981, 1985, 1986, 1987, 1988, 1989, 1990, 1992, 1993, 1994, 1995, 1996, 1998, 2000; Tingley and others, 19

FIELD EXAMINER(S)

D. A. Davis, 8/19/1999

OCCURRENCE

Nonmetallic

NO PROPERTY

195 Pit No. 5

OTHER NAME(S)

Lockwood Pit; Unnamed gravel pit

GEOLOGY

Quaternary alluvial fan deposits consisting of brown sandy to boulder gravel.

NO PROPERTY
196 Mustang Rhyolite pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Aggregate	Igneous

QUAD SHEET			
Vista			

OWNERSHIP			
U.S. Bureau of Land Management (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 16, T19N, R21E	4381240	280200	11

PRODUCTION
Has produced less than 100,000 tons.

HISTORY
Pit started between 1980 and 1985. 1985: Operated by Miller Construction Co. for Northwest Exploration Co. 1991: Inactive and operator listed as Rocky Ridge, Inc. 1991: inactive. 1999: inactive.

DEVELOPMENT
Pits and disturbed area covers at least 0.25 sq. km.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell, 1980 (aerial photograph 1-657); Bell and Bonham, 1987; Bryan and others, 1994; Nevada Department of Transportation, 1985a (aerial photograph 7-7); Nevada State Inspector of Mines, 1986; Tingley and others, 1999; Washoe County Assessor, 2005, APN 84

FIELD EXAMINER(S)
S.B. Castor, 11/1998

OCCURRENCE
Nonmetallic

NO PROPERTY
196 Mustang Rhyolite pit
OTHER NAME(S)

GEOLOGY

Largely in Middle Miocene Kate Peak Formation, which consists of volcanic flows, domes, pyroclastic flows, lahars, plugs and dikes, and air-fall tuff and tuffaceous sedimentary rocks. The flow rocks are brown and tend to be somewhat porous and exhibit spheroidal weathering. The rock consists largely of porphyritic dacite and rhyolite containing prominent phenocrysts of sodic plagioclase, clino- and orthopyroxene, hornblende, and usually biotite in a felsite matrix.

NO PROPERTY
197 Mustang Basalt pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Aggregate	Igneous

QUAD SHEET			
Vista			

OWNERSHIP			
U.S. Bureau of Land Management (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 16, T19N, R21E	4381890	280420	11

PRODUCTION
Has produced less than 100,000 tons.

HISTORY
Pit started between 1980 and 1982. 9/8/1978, Rocky Ridge, Inc., acquired lease from BLM and quarried trap rock and material for Portland cement. Inactive in 1991. 1994, Rocky Ridge, Inc., proposed expansion. 2003; Martin Marietta producing aggregate.

DEVELOPMENT
Open pit

SAMPLE SITE(S)

REMARKS

REFERENCES
AGRA Earth and Environmental, 1996; Bell, 1980 (aerial photograph 1-657); Bell and Bonham, 1987; Bryan and others, 1994, 2004; Nevada Department of Transportation, 1985a, (aerial photograph 7-7); Nevada Division of Minerals, 2004; Washoe County Assessort,

FIELD EXAMINER(S)
S.B. Castor, 11/1998

OCCURRENCE
Nonmetallic

NO PROPERTY
197 Mustang Basalt pit
OTHER NAME(S)

GEOLOGY

Largely in Upper Miocene Lousetown Formation, which consists of flows of platy basaltic andesite and basalt. Flows are typically dark gray to black and weather dark brown. The rock ranges from pyroxene andesite to olivine-pyroxene basalt (Bell and Bonham, 1987).

NO PROPERTY
198 Chalk Bluff pit(?)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Aggregate(?)	Sedimentary
QUAD SHEET			
Verdi			
OWNERSHIP			
McLeod			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 18, T19N, R19E	4383270	281440	11
PRODUCTION			
Small.			
HISTORY			
Pre-1972, shows on Slemmons' Low-Sun-Anle air photo, 1972, frame 11. Inactive in 1991.			
DEVELOPMENT			
Moderate sized pit.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Bryan and others, 1994; Slemmons, 1972 (aerial photograph 11)			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
198 Chalk Bluff pit(?)
OTHER NAME(S)

GEOLOGY

Quaternary (pre-Donner) outwash deposits of soil and gravel.

NO PROPERTY
199 Unnamed pit(?)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Aggregate(?)	Sedimentary

QUAD SHEET			
Verdi			

OWNERSHIP			
Garson(?)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 16, T19N, R18E	4377180	276220	11

PRODUCTION			
Small(?)			

HISTORY			
Pre-1972, shows on Slemmons Low-Sun-Angle air photo, 1972, frame 18. Inactive in 1991.			

DEVELOPMENT			
Moderate sized cut.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bell and Garside, 1987; Bryan and others, 1994; Slemmons, 1972 (aerial photograph 18)			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
199 **Unnamed pit(?)**
OTHER NAME(S)

GEOLOGY

Deposit may be the Miocene-Pliocene Sandstone of Hunter Creek. This is mainly light-gray, bluish-gray, light-brown to brown, and yellowish-brown medium to coarse tuffaceous sandstone, sandy siltstone, and claystone with subordinate sandy conglomerate, and white to light-gray diatomaceous shale and siltstone which is locally carbonaceous with thin lignite seams.

NO PROPERTY
200 Mullen Pass pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand, gravel(?)	Sedimentary
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Cameron(?)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 17, T23N, R21E	4382790	284570	11
PRODUCTION			
Small(?)			
HISTORY			
Pre-1954, on USGS 1954 air photo VEU 3-14. Abandoned in 1991.			
DEVELOPMENT			
Moderate sized pit.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Bryan and others, 1994; Tingley and others, 1999; U.S. Geological Survey, 1954 (aerial photograph 3-14)			
FIELD EXAMINER(S)			
S.B. Castor, 1998			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
200 **Mullen Pass pit**
OTHER NAME(S)

GEOLOGY

Deposit is in near-shore Quaternary lake deposits largely from Pleistocene Lake Lahontan. These consist mostly of sand and gravel here.

NO PROPERTY
201 Narragansett Mine

OTHER NAME(S)
Sitting Bull Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au	High sulfidation epithermal

QUAD SHEET			
Reno			

OWNERSHIP			
Narragansett Mining Co. (1910)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ Sec. 25, T20N, R19E	4382350	284920	11

PRODUCTION			
None(?)			

HISTORY			
One of 2 claims that also includes the Sitting Bull No. 2 located by J. A. Secoy in Jan and Apr 1909 and sold to Narragansett Mining Co. in 1909. Claims kept current until 1919.			

DEVELOPMENT			
Shaft and adit.			

SAMPLE SITE(S)			

REMARKS			
Location of Narragansett's main shaft is uncertain and UTM's were taken from shaft noted on topographic map, which was on their property.			

REFERENCES			
Bonham and Binger, 1973; Washoe County Mining Claims and Deeds Records, 1909, 1919			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Metallic			

NO PROPERTY
201 Narragansett Mine

OTHER NAME(S)
Sitting Bull Claim

GEOLOGY

Probably part of an east-west spotty trend of silicified rock that Reno Ruhl Mine (98) is part of.

NO PROPERTY
202 Monitor Claim

OTHER NAME(S)
Reno-Mizpah Mine

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Ag, Au, Pb, Zn		High-sulfidation epithermal
QUAD SHEET					
Reno					
OWNERSHIP					
Reno-Mizpah Mining Co. (1917)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
E½ Sec. 33, W½ Sec. 34, T20N, R19		4381870	284700	11	
PRODUCTION					
None					
HISTORY					
Located by W. E. Lampson, F. C. Savage, and J. E. Humphrey in 1906 and sold to the Reno-Mizpah Mining Co. in 1906. One of five claims owned by Reno-Mizpah and kept current through 1917					
DEVELOPMENT					
Shallow shafts and prospect pits.					
SAMPLE SITE(S)					
3448, 3449					
REMARKS					
Quade and others (1990a, 1990b) refers to this as the Reno May, but County records show it is on the Monitor Claim of the Reno-Mizpah.					
REFERENCES					
Bonham and Bingler, 1973; Hill, 1915; Mason and others, 1996, Rec. M231171; Quade and others, 1990a, 1990b; Washoe County Mining Claims Records, 1906, 1917					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
202 Monitor Claim

OTHER NAME(S)
Reno-Mizpah Mine

GEOLOGY

Hill (1915) stated that mineralization is similar to that at the Updike or Mazy mine and the vein consists of pyritized bleached andesite with small nodules of "quartz sulphide" ore. Andesite of the Tertiary Alta Formation crops out in the north and west halves of Sec. 31. This consists dark brown pyroxene andesite flows, flow breccia, and laharic breccia, commonly altered to tan rock consisting of quartz, sericite, and clay minerals or propylized to gray-green rock containing chlorite, calcite, albite, epidote, and clay minerals. Sample 3448 is a grab sample of argillized and pyritized andesite from dump. Sample 3449 is a sample of a silicified "ledge" consisting of limonite, hematite, and silicified andesite float.

NO PROPERTY
203 Armstrong Mine

OTHER NAME(S)

Armstrong claims; Penney No. 6 and No. 10 claims (Garside, 1973)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	U		Volcanogenic uranium
QUAD SHEET					
Tule Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
center W½ Sec. 32, T24N, R21E		4376320	273550	11	
PRODUCTION					
21 tons at 0.33% U3O8, 138 lbs. (Cupp and others, 1977).					
HISTORY					
DEVELOPMENT					
Bulldozer trenching, a 9-12 m shaft, and about 45 m of underground workings. Cupp and others (1977) show an adit with a 73 m tunnel and 17 m of other workings.					
SAMPLE SITE(S)					
REMARKS					
UTMs taken from Quade and others (1990a, 1990b) and Garside (1973) notes the claims straddle the line between sec. 31 and 32.					
REFERENCES					
Cupp and others, 1977; Garside, 1973; DMEA 195?; Hurley and others, 1982; Mason and others, 1996, Rec. M231077; U.S. Bureau of Mines, 1995, Seq. 0320310118					
FIELD EXAMINER(S)					
L.J. Garside, 1969					
OCCURRENCE					
Metallic					

NO PROPERTY
203 Armstrong Mine

OTHER NAME(S)

Armstrong claims; Penney No. 6 and No. 10 claims (Garside, 1973)

GEOLOGY

Uranium mineralization occurs within and adjacent to an andesite dike that cuts the Oligocene tuff of Chimney Springs (Faulds and others, 2003). The andesite dike strikes N30°E and is vertical. Secondary yellow uranium minerals (uranophane) occur in the andesite dike and in fractures in the welded tuff adjacent to the dike. The tuff is normally brick red but it has been locally bleached to a greenish-white along fractures. Quartz crystals in the tuff are very black in mineralized areas, probably due to radiation damage. Silicification, iron staining, and clay alteration are found near the dike. The highest surface radioactivity usually occurs about 1 m northwest of the dike. Background = 0.013 mR/hr.; High = 4.2 mR/hr. Assays of over 2.7% U₃O₈ are reported from mineralized fractures up to 30 cm wide. Assays across 1.5-1.8 m widths seldom contain over 0.03% U₃O₈. Cupp and others (1977) report assays of 2-184 ppm U₃O₈ in and around the mine.

NO PROPERTY
204 DeLongchamps Mine

OTHER NAME(S)

Red Bluff Nos. 1-7, 10, 11; Rainbow No. 8 Fraction; DeLongchamps prospects

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	U	Volcanogenic uranium
QUAD SHEET			
Tule Peak			
OWNERSHIP			
U. S. Mining and Exploration, Inc. (1991)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 1, T23N, R20E	4376770	271350	11
PRODUCTION			
Small tonnages of ore shipped since 1955. Two carloads of uranium ore were shipped in 1966.			
HISTORY			
Property staked in 1954 by Garret, Maue, and McCray. Homestake Mining Co. leased property in 1955 and performed surface and underground exploration. Two other companies leased property afterwards with small, infrequent production.			
DEVELOPMENT			
Numerous pits and trenches and over 90 m of underground workings.			
SAMPLE SITE(S)			
REMARKS			
UTMs for MASMILS 0320310120, Red Bluff Mine, lie very close to DeLongchamps Mine.			
REFERENCES			
Cupp and others, 1977; Garside, 1973; Hurley and others, 1982; ; U.S. Bureau of Mines, 1995, Seq. 0320310120; Castor and Henry, 2000; Holmes, 1972			
FIELD EXAMINER(S)			
L.J. Garside, 2001			
OCCURRENCE			
Metallic			

NO PROPERTY
204 DeLongchamps Mine

OTHER NAME(S)

Red Bluff Nos. 1-7, 10, 11; Rainbow No. 8 Fraction; DeLongchamps prospects

GEOLOGY

Uranium mineralization occurs in and adjacent to an andesite dike which intrudes the Oligocene tuff of Chimney Spring. A fault is present at one side of the dike and fault trend N35-70°E and dip 65-70°NW. The uranium minerals occur in pods, stringers, and encrustations along fractures in both dike rock and the welded tuff. Radioactivity can be detected for up to 150 m along the structure. The uranium occurs as autunite, sabugalite, phosphuranylite, cleveite(?), and as uraniferous hematite and opal. The higher grade ore occurs in lenticular shoots up to 3.6 m long and 1.2 m wide within the welded tuff in the footwall of the fault between the dike and the welded tuff. Bleaching and local silicification of the welded tuff are associated with these shoots. Hematite, manganese oxides, and minor opal are present with the ore. Quartz crystals in the welded tuff are very smoky, probably due to radiation damage. Background = 0.04 mR/hr.; High = 5.0 mR/hr. Assays as high as 15% U₃O₈ were obtained on ore high in hematite. Cupp and others (1977) report assays of 5-99 ppm with one of 850 ppm U₃O₈ in and around the mine. Hurley and others (1982) report an analysis of 1.9%U₃O₈.

NO PROPERTY
205 Garrett prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	U		Volcanogenic uranium
QUAD SHEET					
Tule Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 36, T24N, R20E		4377750	272690	11	
PRODUCTION					
None.					
HISTORY					
DEVELOPMENT					
Several trenches.					
SAMPLE SITE(S)					
REMARKS					
Located from Hurley and others, 1982.					
REFERENCES					
Cupp and others, 1977; Garside, 1973; Hurley and others, 1982; Mason and others, 1996, Rec. M231090; U.S. Bureau of Mines, 1995, Seq. 0320310216; Castor and Henry, 2000					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
205 Garrett prospect
OTHER NAME(S)

GEOLOGY

A zone of high radioactivity occurs along the foot wall of an andesite dike which intrudes the Oligocene tuff of Chimney Spring. Cupp and others (1977) report assays of 6-139 ppm with one analysis of 1130 ppm U₃O₈.

NO PROPERTY
206 Jumbo Mine
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Ag, Cu		High-sulfidation epithermal
QUAD SHEET					
Fraser Flat					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 21, T23N, R21E		4377650	272810	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Two inclined adits and some small prospect pits.					
SAMPLE SITE(S)					
6186, 6187					
REMARKS					
REFERENCES					
Bonham and Papke, 1969; Mason and others, 1996, Rec. M231097; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310257; Wallace, 1975					
FIELD EXAMINER(S)					
S.B. Castor, 10/7/1998					
OCCURRENCE					
Metallic					

NO PROPERTY
206 **Jumbo Mine**
OTHER NAME(S)

GEOLOGY

Two parallel mineralized structures, 5 cm to 1 m wide, have an attitude of N60°W, 80°SW. Mineralization consists of silica-limonite-barite rock with minor malachite and azurite. Minor galena is also present, and Wallace (1975) reported tetrahedrite and chalcocite. Sample 6186 is from a zone of limonite, silica, and CuOx minerals about 5-10 cm wide in footwall of structure. Sample 6187 is from a brecciated and silicified zone along N80°E-N80°W, vertical to 70°N fault.

NO PROPERTY
207 Crown Prince Claim

OTHER NAME(S)

Mineral Survey 37A; Lobelia and Red Peppers Claim; Crown Prince Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au, Cu, Pb, Zn	High-sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 23, T23N, R21E	4377440	251910	11
PRODUCTION			
Small(?)			
HISTORY			
Crown Prince Claim located 12 Apr 1876 as Lobelia and Red Peppers Claim by J. Muren, G. Gertenbach, J. R. Faller, J. Goll, and W. P. Van Meter and patented ???? Drilling between Burrus and Crown Prince Mines by Lac Minerals in 1992.			
DEVELOPMENT			
Adit with about 107 m tunnel that is caved at rear and 36 m crosscut near rear. Also a shaft and prospect pit. Patented claim. Crown Prince Mill Site, located 1879 and patented ???? , is located just northeast of claim.			
SAMPLE SITE(S)			
6180, 6181			
REMARKS			
REFERENCES			
BLM Mineral Survey Map, 18--; BLM Township Survey Map, T23N, R21E, 1888; Bonham and Papke, 1969; Mason and others, 1996, Rec. M231083; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310065; Garside and others, 2000			
FIELD EXAMINER(S)			
S.B. Castor, 9/29/98			
OCCURRENCE			
Metallic			

NO PROPERTY
207 Crown Prince Claim

OTHER NAME(S)

Mineral Survey 37A; Lobelia and Red Peppers Claim; Crown Prince Mine

GEOLOGY

Shaft is in propylitized to clay-altered tuff of Perry Canyon, a dacite ash-flow tuff unit. Tunnel leads back to an extensive shear zone containing veins and disseminated pyrite and enargite and abundant kaolinitic alteration. The mineralization forms leached outcrops at the surface. The main shear zone is at least 3 m wide, strikes west-northwest, is nearly vertical, and contains many randomly oriented veinlets 15-85 mm wide. The tunnel also cuts a number of other thin shear zones and 5-30 cm wide veins. One vein is of pyrite, and another is of pyrite and enargite. At least two sets of structures are present. One strikes west to west-northwest and dips 60-75° S to SW. The other strikes north to northwest and dips generally 70° SW to 35° NE. One shear zone trends northeast and dips 30°NW. Assays show: copper 0.017-4.21%, lead: 0.006-0.017%, zinc: 0.005-0.1%, gold: 0.04 oz per ton, and silver 0.2-0.56 oz per ton. Sample 6181 contains enargite, luzonite(?), pyrite, galena, barite, and jarosite. Sample 6180 is sulfide-rich rock from dump of adit. Pyrite + quartz in breccia, some very massive pyrite.

NO PROPERTY
208 Wet prospect
OTHER NAME(S)
Wet Adit

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Ag, Au, Cu, Pb, Zn		Vein
QUAD SHEET					
Moses Rock					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 21, T23N, R21E		4377080	245030	11	
PRODUCTION					
HISTORY					
Workings are pre-1971. No records of a Wet claim at Washoe County for 1950-1975.					
DEVELOPMENT					
Adit, trench, and shaft.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Bonham and Papke, 1969; Kopler, 1971; Mason and others, 1996, Rec. M231113; McNeely, 1971; U.S. Bureau of Mines, 1995, Seq. 0320310043					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
208 Wet prospect

OTHER NAME(S)
Wet Adit

GEOLOGY

Mine is in Miocene tuff of Perry Canyon, a dacitic ash-flow tuff. Extensive propylitic alteration is present in the unit. Mineralization is in veins within northwest-trending, commonly vertical faults. Outcrops are slightly to moderately altered. Veins are found in moderately to intensely altered rock.

NO PROPERTY
209 Bud prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Cu(?)	Vein

QUAD SHEET			
Moses Rock			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 22, T23N, R21E	4416150	273450	11

PRODUCTION			

HISTORY			
Workings are pre-1971. No records of a Bud claim at Washoe County for 1950-1999.			

DEVELOPMENT			
Shaft and adit.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bonham and Papke, 1969; Bud Prospects, 1971a, 1971b			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Metallic			

NO PROPERTY
209 **Bud prospect**
OTHER NAME(S)

GEOLOGY

The prospect is in the tuff of Perry Canyon. Mineralization in veins within a west-northwest to northwest-trending shear zone dipping from 36°SW to 67° NE. The rock is moderately to highly altered, blocky, and locally silicified.

NO PROPERTY
210 Bluebird Mine
OTHER NAME(S)
Blue Bird No. 1; Bluebird No. 1; Bluebird Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au, Cu	High-sulfidation epithermal

QUAD SHEET

Moses Rock

OWNERSHIP

James Whitton and H. and J. Minerals (1990)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 15, T23N, R21E	4383620	259260	11

PRODUCTION

Small amount of copper, silver, and gold in 1929 and 1930.

HISTORY

Located 14 Jan 1926 by Peter Krasoviz as first of 3 claims and a mill site located in 1926-27. Krasoviz drove a lower adit in 1951 to replace a caved adit. Kept current through 1968. Re-located several times afterward. Last assessment work in 1990.

DEVELOPMENT

A lower and an upper adit each with about 60 m tunnels, a haulage drift with about a 30 m tunnel, and a small dump. Upper adit driven about S25E for about 20 m, then turns south. Lower adits driven S10W and S50W.

SAMPLE SITE(S)

6190

REMARKS

1980: Lakeshore Minerals operated mine for Au and Cu

REFERENCES

Bonham and Papke, 1969; Fisk, 1951; Humphrey and others, 1961a, 1961b, 1961c; Mason and others, 1996, Rec. 231078; Nevada State Inspector of Minesm 1981; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310056; Washoe County Mining Claims Re

FIELD EXAMINER(S)

S.B. Castor, 10/12/1998

OCCURRENCE

Metallic

NO PROPERTY
210 Bluebird Mine

OTHER NAME(S)

Blue Bird No. 1; Bluebird No. 1; Bluebird Group

GEOLOGY

Mine is in Miocene dacitic tuff of Perry Canyon, previously considered part of the Hartford Hill Rhyolite. Extensive propylitic alteration is present in the unit. Mineralization is in several sets of small faults and joints that trend west to northwest and north-northwest to northeast and dip steeply in either direction. The rock contains both chloritic and sericitic-argillic alteration. Sulphide ore mined in 1929 averaged: copper, 8.25%, silver, 9.6 oz. per ton, gold, 0.03 oz. per ton. Sample 6190 was collected from the upper dump and contains pyrite-silica rock and some enargite. No copper oxide minerals were noted, but minor gypsum is present. SEM/EDX work shows enargite is associated with stannite and several copper- and silver-bearing sulfosalt minerals. Sample 6190 is from loose chips on dump; pyrite-silica rock, some enargite. No Cu oxide minerals. Minor gypsum noted.

NO PROPERTY
211 Owl Lode No. 1

OTHER NAME(S)
Owl Group; Owl Lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au, Cu, Pb	High-sulfidation epithermal

QUAD SHEET

Moses Rock

OWNERSHIP

A. C. Nielson (1962)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 22, T23N, R21E	4382160	255640	11

PRODUCTION

HISTORY

Located 25 Jun 1962 by A. C. Nielson as second in a group of 5 claims located between 1957-1966. Assessment work kept up at least through 1985.

DEVELOPMENT

Several small adits.

SAMPLE SITE(S)

6171

REMARKS

REFERENCES

Bonham and Papke, 1969; Mason and others, 1996, Rec. M231100: Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310258; Washoe County Mining Claims, 1962

FIELD EXAMINER(S)

S.B. Castor, 9/25/1998

OCCURRENCE

Metallic

NO PROPERTY
211 Owl Lode No. 1

OTHER NAME(S)

Owl Group; Owl Lode

GEOLOGY

Adit driven on N75°W, 75°N shear zone, approximately 1 m wide, in propylitized tuff of Perry Canyon. There is a similar mineralized shear zone in an adit about 200 m southwest. Sample 6171 is of pyrite-bearing altered and silicified ash-flow tuff from dump.

NO PROPERTY
212 Sure Fire prospect
OTHER NAME(S)
Surefire Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au, Cu, Pb	High-sulfidation epithermal

QUAD SHEET
Moses Rock

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 22, T23N, R21E	4420346	273082	11

PRODUCTION

HISTORY

DEVELOPMENT
Caved adit.

SAMPLE SITE(S)
6172

REMARKS

REFERENCES
Bonham and Papke, 1969; Mason and others, 1996, M231110; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310003; Garside and others, 2000

FIELD EXAMINER(S)
S.B. Castor, 9/25/1998

OCCURRENCE
Metallic

NO PROPERTY
212 Sure Fire prospect

OTHER NAME(S)
Surefire Mine

GEOLOGY

The adit was driven on N50°W, 40-50°SW silicified ledge along a fault with a clay-altered envelope. The exposed silica zone is only a few cm thick; the clay-altered zone is more than 1 m thick. Sample 6172 is of quartz with sulfide, from the dump. A sample from the mine contained silver-bearing sulfosalts, including polybasite, and roquesite (a rare copper indium sulfide) as tiny inclusions in pyrite (Garside and others, 2000, p. 58).

NO PROPERTY
213 Good Hope Mine

OTHER NAME(S)
Good Hope prospect

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Ag, Au, Cu		High-sulfidation epithermal

QUAD SHEET

Moses Rock

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 23, T23N, R21E	4419510	270250	11

PRODUCTION

HISTORY

DEVELOPMENT

Northeast adits and propsect pits in a northwest zone about 400 m long.

SAMPLE SITE(S)

6179, 6197, 6198

REMARKS

REFERENCES

Bonham and Papke, 1969; Mason and others, 1996, Rec. M231093; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310132

FIELD EXAMINER(S)

S.B. Castor, 9/29/1998, 10/14/1998

OCCURRENCE

Metallic

NO PROPERTY
213 **Good Hope Mine**

OTHER NAME(S)
Good Hope prospect

GEOLOGY

Crudely banded silica veins and ledges cut highly altered rock. Limonite and traces of pyrite were noted. Veins and ledges mostly strike north-northwest to northwest and dip moderately west. Some northeast-striking veins are also present. Sample 6179 is partly oxidized pyritic rock from dump of adit. Sample 6197 is white quartz vein material.

NO PROPERTY
214 Unnamed prospect pits
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Nightingale	Washoe	U	Sandstone uranium

QUAD SHEET
Russell Peak

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 2, T24N, R24E	4420023	270458	11

PRODUCTION
None.

HISTORY

DEVELOPMENT
Prospect pits.

SAMPLE SITE(S)

REMARKS
Exact location unknown. UTMs taken from center of half section.

REFERENCES
Garside, 1973; U.S. Bureau of Mines, 1995, Seq. 0320310213

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
214 **Unnamed prospect pits**
OTHER NAME(S)

GEOLOGY

Anomalous radioactivity is reported from tuffaceous sedimentary rocks of the Tertiary Chloropagus Formation.

NO PROPERTY
215 Unnamed prospect pits
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Nightingale		Washoe	U		Volcanogenic uranium
QUAD SHEET					
Russell Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 3, SW ¼(?), Sec. 4(?), T24		4414200	275330	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Prospect pits.					
SAMPLE SITE(S)					
REMARKS					
UTMs taken from prospect on Southern Pacific Map near MASMILS location. Section 4 may be a misprint.					
REFERENCES					
Bonham, 1961; Garside, 1973; U.S. Bureau of Mines, 1995, Seq. 0320310214					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
215 Unnamed prospect pits
OTHER NAME(S)

GEOLOGY

Anomalous radioactivity is present in Oligocene ash-flow tuffs.

NO PROPERTY
216 Lizard claims (Nos. 1-5)

OTHER NAME(S)
Stoddard-Crosby Mine(?)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Nightingale		Washoe	U		Skarn
QUAD SHEET					
Russell Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 21, T24N, R24E		4414120	277740	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Numerous pits and adits, one of which is 76 m long. Workings for gold and tungsten.					
SAMPLE SITE(S)					
REMARKS					
UTMs are taken from center of cluster of shafts and prospects. Exact location unknown, but area discription fits Crosby mine, locality 115.					
REFERENCES					
Garside, 1973; U.S. Bureau of Mines, 1995, Seq. 0320310215					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
216 Lizard claims (Nos. 1-5)

OTHER NAME(S)
Stoddard-Crosby Mine(?)

GEOLOGY

Uranium minerals reportedly occur in small pockets, and are associated with gold. The host rock is a highly fractured, lime-silicate rock containing actinolite and calcite. Uraninite(?), allanite, feldspar, pyrite, limonite, and gold are also reported. Background = 0.006 mR/hr.; High = 0.15 mR/hr. A sample contained 0.52% eU₃O₈, but only 0.183% cU₃O₈.

NO PROPERTY
217 Peavine Mountain oil well
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Oil	

QUAD SHEET			
Verdi			

OWNERSHIP			
L. C. Kodow; Emil Lorke; Henry A. Jantzen; S. A. Thomas; W. A. Wetzel; Maud Deweese (1907)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 6, T19N, R19E	4414330	275850	11

PRODUCTION
None

HISTORY
Reportedly drilled in 1908. Maud and Silverita oil placer claims located in 1907, and 1908 assessment work included preparing site for a derrick.

DEVELOPMENT
Oil well.

SAMPLE SITE(S)

REMARKS
Exact location unknown. Reported to be immediately northwest of Reno as it was in 1908. UTM's taken from center of Maud and Silverita oil placer claims.

REFERENCES
Bell and Garside, 1987; Lintz, 1957; Washoe County Mining Claim Locations

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Oil and Gas

NO PROPERTY
217 Peavine Mountain oil well
OTHER NAME(S)

GEOLOGY

The well penetrated Tertiary sandstone of Hunter Creek under a thin cover of Quaternary pediment and stream gravel.

NO PROPERTY
218 Yellow Jacket claims

OTHER NAME(S)
Yellowjacket prospect

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	U	Sandstone uranium
QUAD SHEET			
Dogskin Mtn.			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 5, T23N, R18E	4414510	275910	11
PRODUCTION			
None.			
HISTORY			
DEVELOPMENT			
Three bulldozer cuts.			
SAMPLE SITE(S)			
REMARKS			
Location taken from Cupp and others (1977). Jeannie K and Cornelia C claims are 0.5-1.5 km to the southwest, in California.			
REFERENCES			
Cupp and others, 1977; Garside, 1973; Hurley and others, 1982; Mason and others, 1996, Rec. M231120; U.S. Bureau of Mines, 1995, Seq. 0320310220			
FIELD EXAMINER(S)			
L.J. Garside, 1969.			
OCCURRENCE			
Metallic			

NO PROPERTY
218 **Yellow Jacket claims**

OTHER NAME(S)
Yellowjacket prospect

GEOLOGY

Anomalous radioactivity occurs in a sequence of upper Tertiary sandstones and siltstones. Sporadic humic-rich areas in a cream-colored claystone are somewhat radioactive. The prospect is in beds which are only a few feet above the nonconformable contact with granitic rocks. Background = 0.02 mR/hr.; High = 0.1 mR/hr. Surface samples contain up to 743 ppm U3O8, and over 100 tons of >100 ppm U3O8 are reported from the subsurface (Hurley and others, 1982).

NO PROPERTY
219 Penney claims
OTHER NAME(S)
Penny claims

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	U	Volcanogenic uranium

QUAD SHEET
Tule Peak

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 31, T24N, R21E	4415520	277410	11

PRODUCTION
None.

HISTORY

DEVELOPMENT
Propsect pit and bulldozer cuts.

SAMPLE SITE(S)

REMARKS
Penney claims may in part overlap Armstrocg claims (203).

REFERENCES
Cupp and others, 1977; Garside, 1973; Hurley and others, 1982

FIELD EXAMINER(S)
L.J. Garside, 1969

OCCURRENCE
Metallic

NO PROPERTY
219 Penney claims

OTHER NAME(S)
Penny claims

GEOLOGY

Sheared Oligocene ash-flow tuffs contain local concentrations of organic material with assays up to 48 ppm U3O8 (Cupp and others, 1977; Hurley and others, 1982).

NO PROPERTY
220 Red Bluff Mine

OTHER NAME(S)
Red Bluff prospect; Red Bluff uranium property; Red Bluff Nos 4-6, 10, 11

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au, U	Volcanogenic uranium
QUAD SHEET			
Tule Peak			
OWNERSHIP			
U. S. Mining and Exploration Co. (1991)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 1, T23N, R20E	4414000	276150	11
PRODUCTION			
None.			
HISTORY			
Discovered 1954; explored 1955 by Homestake Mining Co. 15 unpatented claims located in 1976 by U. S. Mining. Leased to Minatome Corporation in late 1970's, who sampled, trenched, drilled. Most claims dropped in 1987. 4 claims left in 1991; 2 in 1997.			
DEVELOPMENT			
Originally 15 unpatented claims. Two adits that connect with about 35 m of workings.			
SAMPLE SITE(S)			
REMARKS			
Located at adit from Cupp and others (1977) and U. S. Mining and Exploration (1984-1991). Claims may in part overlap DeLongchamps claims (204).			
REFERENCES			
Cupp and others, 1977; Garside, 1973; U.S. Bureau of Mines, 1995, Rec. 231103; Hurley and others, 1982; Mason and others, 1996; U.S. Bureau of Mines, 1995, Seq. 0320310120; U. S. Mining and Exploration, 1976-1991; Castor and Henry, 2000			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
220 **Red Bluff Mine**

OTHER NAME(S)

Red Bluff prospect; Red Bluff uranium property; Red Bluff Nos 4-6, 10, 11

GEOLOGY

Uranium mineralization (autunite) is found within and adjacent in the footwall to an andesite dike which intrudes the Oligocene tuff of Painted Hills (Faulds and others, 2003; Garside and others, 2003). A N35°-70°E, 65°-70°NW fault is found along one side of the dike (Garside, 1973). The tuff is silicified and iron-stained; quartz phenocrysts are black. Cupp and others report assays of 5-175 ppm U₃O₈ on the property. Rocks containing uranium mineralization were also assayed for gold and silver, but few samples had any detectable amounts. Highest gold was 0.04 ppm; highest silver was 2.7 ppm.

NO PROPERTY
221 Bastain propsects
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Stateline Peak		Washoe	U		Volcanogenic uranium
QUAD SHEET					
Granite Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 19, T23N, R18E		4414070	276540	11	
PRODUCTION					
None.					
HISTORY					
DEVELOPMENT					
Two prospect pits(?), bulldozer cuts and trenches, and 7.6 m drill hole. Several deep cuts between small point and main range slope.					
SAMPLE SITE(S)					
6099					
REMARKS					
Location taken from Cupp and others (1977). Straddles Nevada-California border.					
REFERENCES					
Cupp and others, 1977; Garside, 1973; Hurley and others, 1982; Mason and others, 1996, Rec. M231117; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310223					
FIELD EXAMINER(S)					
J. V. Tingley, 10/5/1998					
OCCURRENCE					
Metallic					

NO PROPERTY
221 Bastain propsects
OTHER NAME(S)

GEOLOGY

Autunite is associated with carbonized wood at the base of an Oligocene rhyolitic ash-flow tuff. The tuff was deposited in a paleovalley on granodiorite. Some of the wood is completely encircled or partially replaced by autunite. Cupp and others (1977) reported assays of 5-1900 ppm U₃O₈ on the prospect. The cuts seen in 1998 are in gray-white ash-flow tuff, the same unit as at sample site 6098 and that is below the yellow-buff unit at the Buckhorn Mine. Cuts trend N70°W and expose gray-white crystal tuff. Background count is about 120 cps, up to 500 cps in lower (southwest) trench in sheared tuff. The underlying rock is another ash-flow tuff unit. All rock exposed in the cuts is highly fractured and argillized. Prominent fracture systems: N65°E and N15°-20°E, near vertical. Bands and lenses of silicified rock up to 10 cm thick occur along N15°-20°E system. Flakes of apple-green autunite occur along fractures with clay minerals. Much black carbonaceous material is present in altered tuff. Also chunks and flakes of carbonized and petrified wood are weathering out of the lower part of the tuff. Sample 6099 is of grey-white ash-flow tuff, bands and lenses of silicified tuff and clay along fractures, clots black carbonaceous material, some apple-green crystals (autunite?) along fractures, trace dull yellow-orange mineral coatings. Coatings and crystals fluoresce bright apple-green.

NO PROPERTY
223 Mandy's prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	U	Pegmatite
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
North American Aviation, Inc. (1973)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 18(?), T21N, R21E	4414020	278590	11
PRODUCTION			
None.			
HISTORY			
DEVELOPMENT			
One 4.5 m inclined shaft.			
SAMPLE SITE(S)			
REMARKS			
Location uncertain. UTM's taken from center of section.			
REFERENCES			
Bonham and Papke, 1969; Garside, 1973; Hurely and others, 1982; U.S. Bureau of Mines, 1995, Seq. 0320310019			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
223 Mandy's prospect
OTHER NAME(S)

GEOLOGY

Anomalous radioactivity has been reported from pegmatite-quartz veins in Cretaceous granodiorite. Background = 0.03 mR/hr.; High = 0.4 mR/hr. A select sample contained 0.57% eU3O8.

NO PROPERTY
224 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	U		Sandstone uranium
QUAD SHEET					
Pah Rah Mtn.					
OWNERSHIP					
Pyramid Lake Indian Reservation					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
Secs. 19, 30, T23N, R23E		4427750	307320	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
None					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Garside, 1973; Hurely and others, 1982; Mason and others, 1996 Rec. M231075; U.S. Bureau of Mines, 1995, Seq. 0320310020					
FIELD EXAMINER(S)					
L.J. Garside, 1969					
OCCURRENCE					
Metallic					

NO PROPERTY
224 **Unnamed prospect**

OTHER NAME(S)

GEOLOGY

Lacustrine sediments of Pleistocene Lake Lahontan are radioactive in an area of a few square m. The rocks are cobble conglomerates and cross-bedded sandstones which are cemented by and interbedded with calcareous tufa. The clastic debris is mainly from older volcanic rocks. No uranium minerals were noted, and radioactivity does not appear to be restricted to particular beds or other structural features. Background = 0.015 mR/hr.; High = 0.1 mR/hr. Hurley and others (1982) reported the calcareously cemented sandstone contained 207 ppm U₃O₈.

NO PROPERTY
225 Black Warrior Peak prospects
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Nightingale		Washoe	Ag(?)		Polymetallic vein
QUAD SHEET					
Black Warrior Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec., 26, T24N, R24E		4427160	306420	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Two vertical shafts (Bonham, 1961).					
SAMPLE SITE(S)					
2890					
REMARKS					
REFERENCES					
Bonham, 1961; Bonham and Papke, 1969; Bonham and others, 1985					
FIELD EXAMINER(S)					
Not examined for this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
225 **Black Warrior Peak prospects**
OTHER NAME(S)

GEOLOGY

Bonham (1961) reported pyrite, galena, and sphalerite from a NW-striking quartz vein in Cretaceous granodiorite. The granodiorite is overlain to the northwest by Miocene basalt and basaltic andesite flows and pyroclastic rocks. Sample 2890 is a sample of argentiiferous galena(?) and pyrite from a small quartz vein in an inclined shaft on the north side of Warrior Peak.

NO PROPERTY
226 Silver Bell Mine
OTHER NAME(S)
Silver Bell Claim; Silver Bell Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Cu	High-sulfidation epithermal

QUAD SHEET			
Moses Rock			

OWNERSHIP			
Mabel J. Burrus (1975)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 15, T23N, R21E	4423530	304790	11

PRODUCTION
Small.

HISTORY
Silver Bell lode claim located 29 Feb 1912 by T. and J. Burrus, and Frank Blondin and was part of three lode claims and a mill site by 1940. In 1951, silver ore shipped to International Smelting and Refining Co. at Salt Lake City. Kept current to 1975.

DEVELOPMENT
Shaft(?).

SAMPLE SITE(S)

REMARKS
Location from student map of Fisk (1951).

REFERENCES
Bonham and Papke, 1969; Fisk, 1951; Tingley and others, 1999; Washoe County Mining Claim Records, 1912, 1940, 1975

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
226 Silver Bell Mine

OTHER NAME(S)
Silver Bell Claim; Silver Bell Group

GEOLOGY

Detailed geology is uncertain, but mine is in dacitic ash-flow tuff of Perry Canyon with extensive propylitic alteration present. Ore shipped in 1951 assayed to \$10-15 silver per ton of ore.

NO PROPERTY
227 Silver Blossom prospect

OTHER NAME(S)
Old Blarney Nos. 1-7

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Au, Ag, Cu	Vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
W. Waters (1974)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec., 27, T22N, R18E	4381000	251700	11
PRODUCTION			
In 1904: 14 tons at \$250 of gold, silver, copper per ton. None afterwards.			
HISTORY			
Located 1904 by Hosely who sank 11 m shaft. Survey showed mine on SPRR land. Hosely filled in shaft when unable to acquire land. Section later sold to S. Legget for grazing, who sold NE/4 to L. C. Blockbank, who deeded it to Silver Blossom Mines Co.			
DEVELOPMENT			
In 1921: nine claims, 20 m vertical shaft with several drifts between 10 and 17 m in length, 10 m inclined shaft with 3 m drift, 23 m cross-cut tunnel, windlass and bucket, and several buildings. All development done on east vein.			
SAMPLE SITE(S)			
REMARKS			
Location taken from Quade and others, 1990a, 1990b, which is in Old Blarney No. 3. Old Blarney Claims were located over at least part of the Silver Blossom in 1974 by W. Waters.			
REFERENCES			
Carper, 1921; Soeller and Nielson, 1980; Tingley and others, 1999; Washoe County Mining Claims Platt, 1982			
FIELD EXAMINER(S)			
Not examined for this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
227 Silver Blossom prospect

OTHER NAME(S)
Old Blarney Nos. 1-7

GEOLOGY

Prospects are in very dark mica granite. Veins are fault fissures filled with lenses of bull quartz crushed by later movement. Lenses are 5 cm to 1.5 m in width and usually no more than 11 m in length or height. Two main veins are present; both have an attitude of N20°W, 44°W. Eight sample assays range from trace to 0.02 opt gold and 1 to 1.9 opt silver with one at 6.1 opt silver (Carper, 1921).

NO PROPERTY
228 Unnamed shaft
OTHER NAME(S)
Gold Bar Lode(?); Gold Bar shaft(?)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au, Cu		Cu-Au quartz-tourmaline vein
QUAD SHEET					
Reno NW					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ Sec., 22, T21N, R18E		4419580	244070	11	
PRODUCTION					
None(?).					
HISTORY					
DEVELOPMENT					
Shallow shaft and a newer pit 15 m upslope from shaft.					
SAMPLE SITE(S)					
6088					
REMARKS					
REFERENCES					
Hatch, 1867; Mason and others, 1996, Rec. M231159: Soeller and Nielson, 1980; Tingley and others, 1999					
FIELD EXAMINER(S)					
J. V. Tingley, 9/30/1998					
OCCURRENCE					
Metallic					

NO PROPERTY
228 Unnamed shaft

OTHER NAME(S)
Gold Bar Lode(?); Gold Bar shaft(?)

GEOLOGY

Shaft and prospect are in medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite. The pit exposed a contact between granodiorite and an inclusion of meta-argillite(?). No vein is exposed in the pit or shaft, but there is quartz-tourmaline material, with copper pitch and green copper oxide minerals on the shaft dump. Sample 6088 is select quartz-tourmaline vein material with oxide copper crusts and fracture coatings; some copper pitch, malachite crystals as coatings, and amber iron oxide clots.

NO PROPERTY
229 Unnamed copper prospects
OTHER NAME(S)
Gold Bar Lode(?); Gold Bar southeast workings(?)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec., 27, T21N, R18E	4420140	271390	11
PRODUCTION			
None(?).			
HISTORY			
DEVELOPMENT			
Lower caved adit in wash, shaft uphill to northeast, caved adit uphill from shaft. Vertical shaft has been fenced, but fencing is mostly down. Shaft is not timbered and is caving at collar.			
SAMPLE SITE(S)			
6087			
REMARKS			
REFERENCES			
Hatch, 1867; Mason and others, 1996, Rec. M231158; Soeller and Nielson, 1980; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310110			
FIELD EXAMINER(S)			
J. V. Tingley, 9/30/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
229 Unnamed copper prospects

OTHER NAME(S)

Gold Bar Lode(?); Gold Bar southeast workings(?)

GEOLOGY

Shaft and adits are in medium- to coarse-grained, massive, dark-gray biotite and hornblende Mesozoic granodiorite. Biotite is slightly altered to chlorite, giving rock a greenish cast. All of the workings line up along a N65°E, 75°SE zone of sheeting or shear in granodiorite. No veining seen in outcrop or in mine exposures. Quartz-tourmaline vein materials are on the dump. Sample 6087 contains quartz-tourmaline vein material and oxide copper minerals as crusts and fracture coatings.

NO PROPERTY
230 Unnamed adit.
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?)	Gossan
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec., 35, T20N, R18E	4419720	270460	11
PRODUCTION			
None(?)			
HISTORY			
DEVELOPMENT			
Short adit.			
SAMPLE SITE(S)			
3401; 3402			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Quade and others, 1990a, 1990b			
FIELD EXAMINER(S)			
L.J. Garside, 4/30/1986			
OCCURRENCE			
Metallic			

NO PROPERTY
230 **Unnamed adit.**

OTHER NAME(S)

GEOLOGY

An adit penetrated gray pyroxene andesite flows that weather dark-brown. The adit is in a zone of silicification and argillization. The flows may be equivalent to the Lower Miocene Alta Formation. Porous, gossan-rich material crops out at the portal of the adit. Sample 3401 (Ve 182g) is a grab sample of silicified Tertiary andesite flow from outcrop. Sample 3402 is a sample of porous, gossan-rich material with argillization and hydrothermal(?) brecciation from the short adit.

NO PROPERTY
231 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Cu		Cu-Au quartz-tourmaline vein
QUAD SHEET					
Verdi					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
W½ Sec., 15, T20N, R18E		4414950	243460	11	
PRODUCTION					
None(?).					
HISTORY					
DEVELOPMENT					
Prospect with small(?) dump.					
SAMPLE SITE(S)					
3332					
REMARKS					
REFERENCES					
Bell and Garside, 1987; Quade and others, 1990a, 1990b					
FIELD EXAMINER(S)					
L.J. Garside, 18/21/1985					
OCCURRENCE					
Metallic					

NO PROPERTY
231 Unnamed prospect
OTHER NAME(S)

GEOLOGY

The prospect is in felsic pyroclastic and volcanoclastic(?) metavolcanic rock of the Jurassic(?) Peavine sequence. Chrysocolla, malachite, and copper pitch are found in spotty quartz veins that have local black tourmaline. Remnants of pyrite and chalcopyrite were seen in limonite boxworks. Sample 3332 (Ve 131g) is a select outcrop and dump sample of oxide copper minerals and sparse pyrite and chalcopyrite in meta-pyroclastic rocks.

NO PROPERTY
232 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Cu		Cu-Au quartz-tourmaline vein
QUAD SHEET					
Verdi					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
W½ Sec., 14, T20N, R18E		4396060	271170	11	
PRODUCTION					
None(?).					
HISTORY					
DEVELOPMENT					
Prospect pit.					
SAMPLE SITE(S)					
486					
REMARKS					
REFERENCES					
Bell and Garside, 1987; Quade and others, 1990a, 1990b					
FIELD EXAMINER(S)					
L.J. Garside, 8/21/1985					
OCCURRENCE					
Metallic					

NO PROPERTY
232 **Unnamed prospect**

OTHER NAME(S)

GEOLOGY

A quartz vein with epidote, limonite, and malachite cuts light-gray, locally flow-banded, sparsely porphyritic, felsic metavolcanic rock of the Jurassic(?) Peavine sequence. Prospect pits trend N80°W, probably following a high-angle structure. The wallrock is tourmalinized and specular hematite was observed. Sample 486 (V36) is a select sample of epidote, schorlite, and copper minerals from the prospect pit.

NO PROPERTY
233 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?)	High-sulfidation epithermal

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec., 20, T20N, R19E	4412700	291180	11

PRODUCTION
None(?).

HISTORY

DEVELOPMENT
Several prospect pit and a dump.

SAMPLE SITE(S)
3330

REMARKS

REFERENCES
Bell and Garside, 1987; Quade and others, 1990a, 1990b

FIELD EXAMINER(S)
L.J. Garside, 8/7/1985

OCCURRENCE
Metallic

NO PROPERTY
233 Unnamed prospect
OTHER NAME(S)

GEOLOGY

Prospect pits explore pyritic quartz veins in strongly argillized light-gray, porphyritic, meta-andesite and meta-dacite flows and hypabyssal intrusive rocks of the Jurassic(?) Peavine sequence. The trend of the any mineralized structure is not obvious. Sample 3330 (Ve 126g) is a dump sample of quartz vein material and silicified Mesozoic metavolcanic rock with rare galena(?).

NO PROPERTY
234 Unnamed iron prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au?	High-sulfidation epithermal

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec., 23, T20N, R18E	4420720	308720	11

PRODUCTION
None(?).

HISTORY

DEVELOPMENT
Short, caved adit with dump.

SAMPLE SITE(S)
3324

REMARKS

REFERENCES
Bell and Garside, 1987; Quade and others, 1990a, 1990b

FIELD EXAMINER(S)
L.J. Garside, 10/17/1985

OCCURRENCE
Metallic

NO PROPERTY
234 **Unnamed iron prospect**
OTHER NAME(S)

GEOLOGY

The adit explores a silicified zone in light-gray, locally flow-banded, sparsely porphyritic, felsic metavolcanic rock of the Jurassic(?) Peavine sequence. The trend of the zone is not obvious. The zone is spatially associated with a Tertiary microdiorite intrusive. Sample 3324 (Ve 162g) is a grab sample of fine-grained silica-rich rock with fine, disseminated pyrite from dump of short, caved shaft.

NO PROPERTY
235 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu, Fe	Magnetite replacement

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec., 23, T20N, R18E	4414850	276570	11

PRODUCTION			
None(?).			

HISTORY			

DEVELOPMENT			
Small prospect pit and dump.			

SAMPLE SITE(S)			
482			

REMARKS			

REFERENCES			
Bell and Garside, 1987; Quade and others, 1990a, 1990b			

FIELD EXAMINER(S)			
L.J. Garside, 6/7/1983			

OCCURRENCE			
Metallic			

NO PROPERTY
235 Unnamed prospect

OTHER NAME(S)

GEOLOGY

Specular hematite, magnetite, chalcopryrite, bornite(?), and epidote are found with quartz in a small pod of material 1-2 m long and 5-20 cm wide. The wallrock is rhyolite of the Jurassic(?) Peavine sequeince. Sample 482 (V17) is a sample of hematite, magnetite, and rare chalcopryrite in silicic metavolcanic rock from the dump.

NO PROPERTY
236 Unnamed adit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au(?)		Quartz vein
QUAD SHEET					
Verdi					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 23, T20N, R18E		4403590	247820	11	
PRODUCTION					
None(?).					
HISTORY					
DEVELOPMENT					
Small adit with dump.					
SAMPLE SITE(S)					
3319					
REMARKS					
REFERENCES					
Bell and Garside, 1987; Quade and others, 1990a, 1990b					
FIELD EXAMINER(S)					
L.J. Garside, 10/4/1985					
OCCURRENCE					
Metallic					

NO PROPERTY
236 **Unnamed adit**

OTHER NAME(S)

GEOLOGY

A quartz vein was encountered in an adit in light-gray, locally flow-banded, sparsely porphyritic, felsic metavolcanic rock of the Jurassic(?) Peavine sequence. The phenocrysts were probably originally plagioclase, biotite(?), hornblende(?), and rare quartz. Sample 3319 (Ve-161g) is a sample of glassy vein quartz and gossan in wall rock of argillized Mesozoic metavolcanic rocks from the dump of small adit.

NO PROPERTY
237 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?)	Vein
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec., 19, T20N, R19E	4394910	246180	11
PRODUCTION			
None(?).			
HISTORY			
DEVELOPMENT			
Prospect(?) with dump.			
SAMPLE SITE(S)			
3326			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Quade and others, 1990a, 1990b			
FIELD EXAMINER(S)			
L.J. Garside, 7/2/1985			
OCCURRENCE			
Metallic			

NO PROPERTY
237 **Unnamed prospect**
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but the prospect is in predominantly light-gray, porphyritic meta-andesite and meta-dacite flows and hypabyssal intrusive rocks; the primary phenocryst minerals were probably plagioclase, hornblende, pyroxene, and rare quartz; metamorphic minerals include actinolite, chlorite, epidote, calcite, and albite. Sample 3326 (Ve-102g) is a select sample of Mesozoic meta-andesite with a veinlet and disseminated pyrite from dump.

NO PROPERTY
238 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Fe(?)	Unknown

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec., 24, T20N, R18E	4394390	246500	11

PRODUCTION			
None(?).			

HISTORY			

DEVELOPMENT			
Adit with caved portal and dump.			

SAMPLE SITE(S)			
3334			

REMARKS			
0320310143 locates near this prospect and notes commodity as iron, but is at least a mile east of most of the known Peavine iron mines.			

REFERENCES			
Bell and Garside, 1987; Quade and others, 1990a, 1990b; U.S. Bureau of Mines, 1995, Seq. 0320310143			

FIELD EXAMINER(S)			
L.J. Garside, 10/4/1985			

OCCURRENCE			
Metallic			

NO PROPERTY
238 **Unnamed prospect**

OTHER NAME(S)

GEOLOGY

Disseminated pyrite is found in very dark gray, microequigranular to microphaneritic porphyritic microdiorite with phenocrysts of plagioclase and pyroxene and rare biotite and quartz. Sample 3334 (Ve-160g) is a select and grab sample of silicified and pyritized Tertiary diorite from a small dump.

NO PROPERTY
239 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?)	High-sulfidation epithermal(?)
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec., 24, T20N, R18E	4382510	248320	11
PRODUCTION			
None(?).			
HISTORY			
DEVELOPMENT			
Caved adit and dump.			
SAMPLE SITE(S)			
3328			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Quade and others, 1990a, 1990b			
FIELD EXAMINER(S)			
L.J. Garside, 8/5/1985			
OCCURRENCE			
Metallic			

NO PROPERTY
239 **Unnamed prospect**
OTHER NAME(S)

GEOLOGY

Pyritized and quartz-veined Jurassic(?) Peavine sequence intermediate-composition metavolcanic rock are explored by an adit. The wall rock is silicified and argillized. Sample 3328 (Ve-122g) is a select sample of pyrite and white vein quartz from the dump.

NO PROPERTY
240 Unnamed Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?)	High-sulfidation epithermal(?)

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec., 30, T20N, R19E	4387270	246690	11

PRODUCTION			
None(?).			

HISTORY			

DEVELOPMENT			
Two caved adits, prospects, and dumps.			

SAMPLE SITE(S)			
3325			

REMARKS			

REFERENCES			
Bell and Garside, 1987; Quade and others, 1990a, 1990b			

FIELD EXAMINER(S)			
L.J. Garside, 1985			

OCCURRENCE			
Metallic			

NO PROPERTY
240 **Unnamed Mine**

OTHER NAME(S)

GEOLOGY

The workings are in greenschist facies, locally hydrothermally altered and bleached, metavolcanic rock of primarily intermediate composition and in very dark gray, microequigranular to microphaneritic porphyritic Tertiary microdiorite with phenocrysts of plagioclase and pyroxene with rare biotite and quartz. A possible trend for the mineralized structure (pyrite and sparse vein quartz) is N45°, 55°NW. Sample 3325 (Ve-97g) is a grab sample of Tertiary diorite and silicified rock containing pyrite and sparse quartz vein from the dumps of adits.

NO PROPERTY
241 Unnamed shaft
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au(?)		Cu-Au quartz-tourmaline vein
QUAD SHEET					
Verdi					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec., 30, T20N, R19E		4387210	249010	11	
PRODUCTION					
None(?).					
HISTORY					
DEVELOPMENT					
Shallow shaft and dump.					
SAMPLE SITE(S)					
3323					
REMARKS					
REFERENCES					
Bell and Garside, 1987; Quade and others, 1990a, 1990b					
FIELD EXAMINER(S)					
L.J. Garside, 1985					
OCCURRENCE					
Metallic					

NO PROPERTY
241 Unnamed shaft

OTHER NAME(S)

GEOLOGY

A shallow shaft explores a silicified zone in a metamorphosed air-fall tuff, pyroclastic surge(?) deposits, and tuffaceous(?) , feldspathic, massive to plane-bedded sandstone of the Jurassic(?) Peavine sequence. Sample 3323 (Ve-75g) is a select sample of silicified, sericitized, and tourmalinized Jurassic(?) metavolcanic rock from the dump of a shallow shaft.

NO PROPERTY
242 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?)	unknown

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec., 29, T20N, R19E	4385910	253090	11

PRODUCTION
None(?).

HISTORY

DEVELOPMENT
Prospect.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Mason and others, 1996, Rec. M231157; Quade and others, 1990a, 1990b

FIELD EXAMINER(S)
L.J. Garside, 5/6/1985

OCCURRENCE
Metallic

NO PROPERTY
242 Unnamed prospect
OTHER NAME(S)

GEOLOGY

An area of sericitic alteration is present in Cretaceous granodiorite and Jurassic(?) metatuff near where they are intruded by Tertiary Kate Peak andesite.

NO PROPERTY
243 Desert King Mine

OTHER NAME(S)

Reno Star Claim; Reno Star Mine; Safeguard Claim; Mineral Survey 1949; Wedekind Mine(?)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au(?)	High sulfidation epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SW¼ Sec., 28, T20N, R20E	4385620	248690	11
PRODUCTION			
Reno Star: 326 tons of ore valued at \$15,628; Desert King Mine: 333 tons of ore valued at \$6,569 between 1902-1903.			
HISTORY			
Reno Star claim located 21 Aug 1896 and relocated 21 Aug 1897 at a different orientation by George Wedekind. Referred to as Reno Star Mine in 1901 and Desert King Mine in 1902(?). Re-located as Safeguard Claim.			
DEVELOPMENT			
Shaft and dump.			
SAMPLE SITE(S)			
3438			
REMARKS			
Desret King Mine is on Reno Star claim and may be the same as the Reno Star Mine.			
REFERENCES			
Bonham and Bingler, 1973; Couch and Carpenter, 1943; Mason and others, 1996, Rec. M231137; Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims Records, 1896, 1897			
FIELD EXAMINER(S)			
L.J. Garside, 5/22/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
243 Desert King Mine

OTHER NAME(S)

Reno Star Claim; Reno Star Mine; Safeguard Claim; Mineral Survey 1949; Wedekind Mine(?)

GEOLOGY

Detailed geology is uncertain, but the shaft is in altered Tertiary Alta Formation which consists of dark brown pyroxene andesite flows, flow breccia, and lahatic breccia that is commonly altered to tan rock composed of quartz, sericite, and clay minerals or propylitized to gray green rock containing chlorite, calcite, albite, epidote, and clay minerals. Sample 3438 is a select dump sample of silicified and argillized andesite with pyrite and rare sphalerite.

NO PROPERTY
244 Unnamed Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Unknown

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec., 29, T20N, R19E	4385690	248300	11

PRODUCTION			
None(?).			

HISTORY			

DEVELOPMENT			
15 m deep shaft with dump.			

SAMPLE SITE(S)			
4102			

REMARKS			

REFERENCES			
Bonham and Bingler, 1973; Mason and others, 1996, Rec. M231155; Quade and others, 1990a, 1990b			

FIELD EXAMINER(S)			
L.J. Garside, 5/31/1989			

OCCURRENCE			
Metallic			

NO PROPERTY
244 **Unnamed Mine**

OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but the shaft is in altered Mesozoic metavolcanic rocks (Bonham and Bingler, 1973) near their contact with Tertiary Kate Peak intrusive andesite. Sample 4102 is a grab sample of limonite-encrusted, silicified andesite from a pile on the dump.

NO PROPERTY
245 Unnamed Mine
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au(?)		High-sulfidation epithermal(?)
QUAD SHEET					
Reno					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
N½ Sec., 21, T20N, R19E		4385030	249120	11	
PRODUCTION					
None(?).					
HISTORY					
DEVELOPMENT					
Shaft and prospect.					
SAMPLE SITE(S)					
4107					
REMARKS					
REFERENCES					
Bonham and Bingler, 1973; Quade and others, 1990a, 1990b					
FIELD EXAMINER(S)					
L.J. Garside, 5/31/1989					
OCCURRENCE					
Metallic					

NO PROPERTY
245 Unnamed Mine

OTHER NAME(S)

GEOLOGY

A prospect pit is located along a NW-trending ridge which is apparently controlled by silicification. The rocks are locally hydrothermally(?) brecciated, and strong limonite impregnation is common. An nearby fault zone (N80°W, 72°NE with prominent slickensides (82SE rake) does not appear to be related to the propect pit. Sample 4107 is a grab sample of brecciated, silicified, and limonite-encrusted andesite from near a small prospect pit.

NO PROPERTY
246 Unnamed shaft
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Wedekind		Washoe	Au(?)		High-sulfidation epithermal
QUAD SHEET					
Reno					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NW¼ Sec., 24, T20N, R19E		4385400	251800	11	
PRODUCTION					
None(?).					
HISTORY					
DEVELOPMENT					
Shallow inclined shaft and dump.					
SAMPLE SITE(S)					
3441					
REMARKS					
REFERENCES					
Bonham and Bingle, 1973; Quade and others, 1990a, 1990b; Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 5/22/1989					
OCCURRENCE					
Metallic					

NO PROPERTY
246 **Unnamed shaft**

OTHER NAME(S)

GEOLOGY

A shaft was sunk in altered Tertiary hypabyssal stock consisting of several intrusive phases ranging in composition from pyroxene diorite through granodiorite porphyry to pyroxene syenite, which is largely altered to cream-colored, iron-stained rock made up of quartz, sericite, and clay, and locally contains chlorite, and epidote. Pyrite is abundant in unweathered parts of the altered rock (Bonham and Bingler, 1973). Sample 3441 is a dump grab sample of iron-stained, silicified, and argillized Tertiary intermediate-composition intrusive rock from along a N25°W, 25° SW fault zone.

NO PROPERTY
247 Unnamed shaft
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au(?)	High-sulfidation epithermal

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec., 30, T20N, R20E	4385360	249790	11

PRODUCTION			
None(?).			

HISTORY			

DEVELOPMENT			
3 m deep shaft.			

SAMPLE SITE(S)			
3436			

REMARKS			

REFERENCES			
Bonham and Bingle, 1973; Quade and others, 1990a, 1990b; Tingley and others, 1999			

FIELD EXAMINER(S)			
L.J. Garside, 5/19/1989			

OCCURRENCE			
Metallic			

NO PROPERTY
247 **Unnamed shaft**

OTHER NAME(S)

GEOLOGY

A shallow shaft explored silicified and artillized Tertiary Alta Andesite. Sample 3436 is a grab sample of strongly limonite-stained hydrothermal breccia from an outcrop northeast of the shaft.

NO PROPERTY
248 Unnamed shaft
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Wedekind		Washoe	Au(?)		High-sulfidation epithermal
QUAD SHEET					
Reno					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec., 20, T20N, R20E		4385230	250730	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
A 1-2 m shaft					
SAMPLE SITE(S)					
3440					
REMARKS					
REFERENCES					
Bonham and Bingle, 1973; Quade and others, 1990a, 1990b; Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 5/22/1989					
OCCURRENCE					
Metallic					

NO PROPERTY
248 **Unnamed shaft**

OTHER NAME(S)

GEOLOGY

A very shallow shaft was sunk along a N0°E, 90°, 1-2 m wide hydrothermal breccia zone in hydrothermally altered but less brecciated Tertiary andesite. Sample 3440 is a grab sample of silicified and brecciated Tertiary andesite from across the hydrothermal breccia zone.

NO PROPERTY

249 Arkell Mine

OTHER NAME(S)

Anna Bell Lode Claim; Mineral Survey 4040

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Ag, Au, Pb, Zn	High sulfidation epithermal

QUAD SHEET

Vista

OWNERSHIP

Nevada United Mines Co. (1911)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 28, T20N, R20E	4384610	251190	11

PRODUCTION

HISTORY

Anna Bell Lode Claim was located 5 May 1900 and surveyed Nov 1911. Mineral Survey was cancelled 7 Jul 1993.

DEVELOPMENT

Shaft 50 m deep, and adit 297 m long. In 1911, claim also contained a hoist works, blacksmith shop, cabin, boarding house, barn, and dwelling house. Orr ditch crosses southeast and northeast corners.

SAMPLE SITE(S)

REMARKS

Anna Bell Claim contains both Wedekind and Arkell Mines(?), see 93.

REFERENCES

Bonham and Papke, 1969; Mason and others, 1996, Rec. M231136; BLM Mineral Survey Map, 1911; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310131

FIELD EXAMINER(S)

L.J. Garside, 5/22/1989

OCCURRENCE

Metallic

NO PROPERTY
249 Arkell Mine

OTHER NAME(S)

Anna Bell Lode Claim; Mineral Survey 4040

GEOLOGY

Several shafts explore a mineralized zone or zones in silicified and argillized Tertiary Alta Andesite. No mineralized structure is obvious at the surface but the shafts lie along a northeast trend. The shafts penetrated to sulfide material below the oxidized zone; pyrite, galena, and sphalerite were noted on the dump. Much of the dump material is yellowish argillized andesite, with a minor component of sulfide-bearing silicified rock. Selenite occurs in the dump material; presumably it is a secondary mineral; it appears to be more common in sulfide-bearing areas of the dump. Nearby silicified ledges exhibit common hydrothermal breccia textures.

NO PROPERTY
250 Vista pit
OTHER NAME(S)
Teichert pit; Casci pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Aggregate	Sedimentary and igneous

QUAD SHEET

Vista

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 11, T19N, R20E	4383120	251860	11

PRODUCTION

Large

HISTORY

1940: two small pits that remained active and growing until after 1975 with buildings and equipment. 1969: operated by A. Teichert and Sons, Inc.; 1977: being graded and not actively being mined. 1980: two large commercial building on site.

DEVELOPMENT

Large open pit covering 30-35 ha in 1972. Two borrow pits and two closest pits east of Vista Blvd. on topo map are remnants. 1999: many commercial buildings at site.

SAMPLE SITE(S)

REMARKS

UTMs from approximate center of former cluster of pits and related disturbed area. Site has been subdivided into at least a dozen properties, most of which contain commercial buildings.

REFERENCES

Bell, 1980 (aerial photograph 1-570); Bell and Bonham, 1987; Bonham and Papke, 1969; Bryan and others, 1994; Fairchild Aerial Surveys, 1940 (aerial photograph 212); Nevada Department of Transportation, 1975 (aerial photograph 23-2), 1977 (aerial photograp

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Nonmetallic

NO PROPERTY

250 Vista pit

OTHER NAME(S)

Teichert pit; Casci pit

GEOLOGY

Detailed geology is uncertain, but pit is largely in Quaternary alluvial fan deposits of the Pah Rah Range consisting of gray silty, pebbly sand and brown sandy pebbly, cobbly, and boulder gravel. East side of pit contains benches in Tertiary Kate Peak Formation consisting of largely porphyritic dacite and rhyolite flows, domes, pyroclastic flows, lahars, plugs, dikes, air-fall tuff, and tuffaceous sedimentary rocks. Far west part of pit is in Mesozoic(?) red-brown to maroon siltstone, sandstone, and conglomerate. The sandstone and conglomerate contain abundant volcanic detritus and appear to be interlayered with metavolcanic rocks.

NO PROPERTY
251 Section 8 Mine
OTHER NAME(S)
CR Minerals pit; Hazen Pit

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Churchill	Diatomite		Sedimentary

QUAD SHEET

Hazen

OWNERSHIP

CR Minerals Corp. (1988); Cypress Mines Corp. (1987)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 8, T19N, R26E	4383220	252880	11

PRODUCTION

Moderate(?). Total for CR in 1987: 2500 tons (NDOM, 1987).

HISTORY

Pit started before 1974. 1975-1984: Operated by United Sierra Division, Cyprus Mines Corp. 1988: Operated by CR Minerals, but not operating after.

DEVELOPMENT

Open pit covering 0.69 sq. km in 1985.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of pit.

REFERENCES

Fleming and Jones, 1989; Gallagher, 1965, 1966, 1967, 1968, 1969, 1970; Springer, 1971; Nevada State Inspector of Mines, 1976, 1977, 1978, 1979, 1980, 1981, 1983, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 2000, 2001; U.S. Bur

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Nonmetallic

NO PROPERTY
251 Section 8 Mine

OTHER NAME(S)
CR Minerals pit; Hazen Pit

GEOLOGY

The pit is in late Miocene sedimentary rocks, which consist of interbedded diatomite, siliceous tuff, tuffaceous shale, sandstone, mudstone, and limestone. The diatomite beds range from a few cm to many m thick, and though some beds are quite pure, most tend to be contaminated with gypsum, calcite, glass shards, and various clay minerals.

NO PROPERTY
252 Section 17 Mine

OTHER NAME(S)

CR Minerals pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Diatomite	Sedimentary
QUAD SHEET			
Hazen			
OWNERSHIP			
CR Minerals Corp. (1988)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 17, T19N, R26E	4382770	263820	11
PRODUCTION			
Moderate(?). Total for CR in 1987: 2500 tons (NDOM, 1987).			
HISTORY			
Pit started before 1974. 1980-1984: Operated by Cyprus Mines Corp. 1988: Operated by CR Minerals, but not operating after.			
DEVELOPMENT			
Open pit covering 0.23 sq. km in 1985.			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from center of pit.			
REFERENCES			
Fleming and Jones, 1989; Nevada State Inspector of Mines, 1981, 1982, 1983, 1985; U.S. Bureau of Mines, 1995, Seq. 0320010368; U.S. Geological Survey, 1954 (aerial photograph 3-130); Willden and Speed, 1974; Houseman, 2004			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
252 Section 17 Mine

OTHER NAME(S)
CR Minerals pit

GEOLOGY

Pit is in late Miocene sedimentary rocks consisting of interbedded diatomite, siliceous tuff, tuffaceous shale, sandstone, mudstone, and limestone. The diatomite beds range in thickness from a few cm to many m, and though some beds are nearly pure, most are contaminated with gypsum, calcite, glass shards, and various clay minerals. Ash from the diatomite has been dated at 9.79 ± 0.12 Ma (Houseman, 2004).

NO PROPERTY
253 Hazen Sand and Gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Gravel, sand	Sedimentary

QUAD SHEET			
Hazen			

OWNERSHIP			
Jack N. Tedford, Inc. (1993)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 30, T20N, R26E	4384190	253290	11

PRODUCTION			

HISTORY			
Pit started between 1956 and 1974. 1975-1993, 1999: Operated by Jack N. Tedford, Inc. 1994-1998: Operated by Churchill County Road Department			

DEVELOPMENT			
Single bench pit covering about 20 ha. in 1985, and mill.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center of pit.			

REFERENCES			
Bryan and others, 2004; Moore, 1969; Nevada State Inspector of Mines, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1998, 2000; U.S. Bureau of Mines, 1995, Seq. 0320010184, 0320190			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
253 Hazen Sand and Gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in alluvial fan sediments.

NO PROPERTY
254 Hazen Pit 1 and 4
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Churchill	Gravel, sand		Sedimentary
QUAD SHEET					
Hazen					
OWNERSHIP					
Jack N. Telford, Inc. (2003)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 25, T20N, R25E		4385710	254940	11	
PRODUCTION					
Moderate(?)					
HISTORY					
Pit started between 1979 and 1985. 1994-1995: Operated by Jack N. Telford, Inc.					
DEVELOPMENT					
Single open pit covering about 8 ha. in 1985.					
SAMPLE SITE(S)					
REMARKS					
UTMs taken from center of pit.					
REFERENCES					
Bell, 1979 (aerial photograph 1-174); Moore, 1969; Nevada Department of Transportation, 1985b (aerial photograph 11-2); Nevada State Inspector of Mines, 1995, 1996, 1998, 2000, 2001, 2002, 2004					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
254 Hazen Pit 1 and 4
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in alluvial fan sediments.

NO PROPERTY
255 Gopher Rock pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Gravel, sand	Sedimentary

QUAD SHEET			
Hazen			

OWNERSHIP			
Gopher Construction Co. (1998)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 30, T20N, R26E	4385560	259510	11

PRODUCTION			
Moderate(?).			

HISTORY			
Started before 1988. 1983-1998: Operated by Gopher Construction Co.			

DEVELOPMENT			
Single bench open pit.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center of section. Exact location unknown, same as 672(?).			

REFERENCES			
Moore, 1969; Nevada State Inspector of Mines, 1983, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1998			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
255 **Gopher Rock pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in alluvial fan sediments.

NO PROPERTY
256 Scarboli prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Mn	Unknown

QUAD SHEET
Griffith Canyon

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 21(?), T21N, R20E	4383230	261900	11

PRODUCTION
None(?)

HISTORY

DEVELOPMENT

SAMPLE SITE(S)

REMARKS
Exact location unknown. Location estimated from Schilling (1962). Could not be located during this study or by Bonham (1969); may possibly be another name for the nearby Peponis prospect. MASMILS locates property in section 2.

REFERENCES
Bonham and Papke, 1969; Schilling, 1962; U.S. Bureau of Mines, 1995, Seq. 0320310014

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
256 Scarboli prospect
OTHER NAME(S)

GEOLOGY

Detailed geology uncertain, but deposit may be in either Oligocene ash-flow tuffs or in Mesozoic granodiorite.

NO PROPERTY
257 Jumper Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 21, T21N, R23E	4384620	263130	11
PRODUCTION			
598 tons of ore valued at \$9,615 in 1901-1903. Ore \$15-37 per ton in 1902. \$70 per ton in 1907.			
HISTORY			
Located and tunneled in 1900 by W. H. Jackson. Main shaft and workings done between 1901-1903.			
DEVELOPMENT			
45 m deep shaft with drifts. Adit on Wadsworth 15' topographic quadrangle.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Garside and Bonham, 2003; Bonham and Papke, 1969; Couch and Carpenter, 1943; Geason, 1980; Townley, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
257 Jumper Mine
OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003). The mine reportedly produced small amounts of specimen grade rock containing blebs of wire and leaf gold in 2.5-20 cm wide veins. Lode reported to contain gold occurring with oxidized iron sulfides, lead sulfides, and copper stains in small quartz seams and cavities.

NO PROPERTY
258 Cabin Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 29, T21N, R23E	4382860	263890	11
PRODUCTION			
\$40,000 in 1900. Ore averaged \$10-\$200 per ton.			
HISTORY			
Located about 1897 by Bill Williams. Quarried gold in 1899. Tunnel dug in 1900.			
DEVELOPMENT			
Shallow workings, trench 27 m long and 1.8 m deep, 45 m tunnel, and 75 m main shaft with 90 m drift at bottom toward Gold Ledge claim.			
SAMPLE SITE(S)			
REMARKS			
Location taken from center of Cabin claim as delineated by Townley (1985).			
REFERENCES			
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
258 Cabin Mine
OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003). High grade ore found originally in float that was first hand picked and then brought up by plowing. Reported to contain a 40 cm streak of wire gold in trench. Pay streaks commonly had clay or talc layers at foot and hanging wall.

NO PROPERTY
259 Cabin No. 2 patented claim
OTHER NAME(S)
Dondero Mine; Italian claim; Cabin No. 2 Mine; Mineral Survey No. 1951

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal

QUAD SHEET			
Olinghouse			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 29, T21N, R23E	4378820	267650	11

PRODUCTION
1,710 tons of ore valued at \$20,050 between 1902-1904. Initial ore \$60-70 per ton. \$20 after 1903.

HISTORY
Located and started tunnel in 1900 by Luigi Della Piazzi. Also part owned by Bill Williams(?). Half interest bought by Springfield-Nevada Mining Co. in 1903. Williams sold to Springfield-Nevada in 1904.

DEVELOPMENT
Patented lode claim. Main shaft 105 m deep, but workings above 250 ft. (76 m) level. Two tunnels, 335 m and 91 m.

SAMPLE SITE(S)

REMARKS
Location taken from center of Cabin No. 2 claim as delineated by Townley (1985).

REFERENCES
Garside and Bonham, 2003; Bonham and Papke, 1969; Couch and Carpenter, 1943; Tingley and others, 1999; Townley, 1985; Washoe County Assessor's Map, 1996;

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
259 Cabin No. 2 patented claim

OTHER NAME(S)

Dondero Mine; Italian claim; Cabin No. 2 Mine; Mineral Survey No. 1951

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003). Two veins were reported. Pay streaks were 30-45 cm in soft, easily broken rock.

NO PROPERTY
260 Gold Ledge Mine
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Low-sulfidation epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NW¼ Sec. 29, T21N, R23E		4377320	320220	11	
PRODUCTION					
955 tons of ore valued at \$7,958 between 1901-1904. Surface ore \$75-80 per ton.					
HISTORY					
Located about 1901 by Bill Willimas. Sold to Springfield-Nevada Co. in 1904.					
DEVELOPMENT					
Trench 30 m long by 1.8 m deep and 90+ m shaft(?).					
SAMPLE SITE(S)					
REMARKS					
Location taken from center of Gold Ledge claim as delineated by Townley (1985).					
REFERENCES					
Garside and Bonham, 2003; Bonham and Papke, 1969; Couch and Carpenter, 1943; Tingley and others, 1999; Townley, 1985					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
260 **Gold Ledge Mine**
OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003). A surface deposit and an enriched zone at 300 ft. (91 m) level were reported.

NO PROPERTY
261 Slip Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal

QUAD SHEET			
Olinghouse			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 29, T21N, R23E	4375690	320910	11

PRODUCTION			
Moderate(?) between 1901-1904. Ore averaged \$30 per ton.			

HISTORY			
Located and incline started about 1901. 915+ m of workings by 1903, which linked to Renegade mine.			

DEVELOPMENT			
Main shaft 53 m with 915+ m of workings linked to Renegade and No. 2 mines. One stope 12 m by 6 m.			

SAMPLE SITE(S)			

REMARKS			
Location taken from center of Slip claim as delineated by Townley (1985).			

REFERENCES			
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Metallic			

NO PROPERTY

261 Slip Mine

OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003). Surface deposit contained vein 45 m long by 0.5-1.8 m wide of \$30 per ton ore. Other veins averaged 60 cm wide with spotty 5-10 cm pay streaks. Below 50 m rock averaged \$12 per ton.

NO PROPERTY
262 Renegade Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal

QUAD SHEET
Olinghouse

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 29, T21N, R23E	4382410	318590	11

PRODUCTION
Large(?) between 1900-1903. Ore averaged \$12-40 per ton.

HISTORY
Located and incline started about 1901. 915+ m of workings by 1903, which linked to Renegade mine. 1943: operated by George F. Dallimore and Son, lessee.

DEVELOPMENT
Dailey tunnel 335 m and went down 107 m, 12 m shaft at NE corner of claim, 230 m cross-cut. Connected to Slip mine.

SAMPLE SITE(S)

REMARKS
Location taken from center of Renegade claim as delineated by Townley (1985).

REFERENCES
Garside and Bonham, 2003; Bonham and Papke, 1969; Murphy, 1943; Tingley and others, 1999; Townley, 1985

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
262 Renegade Mine
OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003). A 230 m cross cut followed a 25 cm stringer of \$12 per ton ore. First workings of 30 m incline and 11 m drift followed 60-90 cm wide stringer of \$40 per ton ore. The Renegade Mine was reported to be wider and richer than neighboring deposits.

NO PROPERTY
263 No. 2 Mine patented claim
OTHER NAME(S)
Mineral Survey No. 2748

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal

QUAD SHEET			
Olinghouse			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 29, T21N, R23E	4381400	317680	11

PRODUCTION
Small(?) Shipped ore averaged \$15-20 per ton.

HISTORY
Located about 1897 by Brooks McClane and worked with shallow workings. Sold to Nevada-Texas Mining Co. about 1905, which constructed 30 m shaft and 60 m of drifts.

DEVELOPMENT
Patented lode claim. 33.5 m double compartment shaft with 60 m drift at 50 ft. (15.2 m) level. 244 m of shallow workings. Connected with Slip mine.

SAMPLE SITE(S)

REMARKS
Location taken from center of No. 2 claim as delineated by Townley (1985).

REFERENCES
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985; Washoe County Assessor's Map, 1996

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
263 No. 2 Mine patented claim

OTHER NAME(S)
Mineral Survey No. 2748

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003).

NO PROPERTY
264 Forlorn Hope Mine
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Low-sulfidation epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
Sec. 29, T21N, R23E		4381950	318960	11	
PRODUCTION					
Small(?). Ore reported at \$35 per ton.					
HISTORY					
Located about 1901. Shaft dug in 1901 and 300 ft. of workings in 1902.					
DEVELOPMENT					
Main shaft 65.5 m deep with 90 m of workings.					
SAMPLE SITE(S)					
REMARKS					
Location is uncertain and UTM's are taken from center of section.					
REFERENCES					
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
264 Forlorn Hope Mine
OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003). Water table hit at 59.5 m. Sulfide zone below 17 m, ; a 1.5 m wide vein contained 60 cm pay streak of \$35 per ton.

NO PROPERTY
265 Gold Center Mine
OTHER NAME(S)
Hutchinson Mine(?); Adit No. 1(?)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 20, T21N, R23E	4394760	264730	11
PRODUCTION			
513 tons of ore valued at \$12,726 between 1901-1904.			
HISTORY			
Hutchinson worked by shallow shafts as early as 1897. Gold Center located about 1901(?).			
DEVELOPMENT			
Hutchinson mine consists of an adit shaft and at least 120 m of workings. Adit No. 1 consists of 6 shafts, an adit and at least 150 m of workings.			
SAMPLE SITE(S)			
REMARKS			
Location is taken from center of Gold Center claim as delineated by Townley (1985).			
REFERENCES			
Garside and Bonham, 2003; Bonham and Papke, 1969; Couch and Carpenter, 1943; Geeson, 1980; Tingley and others, 1999; Townley, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
265 Gold Center Mine

OTHER NAME(S)

Hutchinson Mine(?); Adit No. 1(?)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003). The Hutchinson Mine worked Hutchinson and Somanza veins. Wall rocks are strongly propylitized. Plagioclase phenocrysts are altered to potassium feldspar (adularia?) and the matrix laths are altered potassium feldspar, calcite, sericite, and epidote. Glass in the matrix is strongly altered to montmorillonite, chlorite, epidote, and kaolinite. Mafic minerals are altered to chlorite. Faults and fractures are commonly limonite stained.

NO PROPERTY
266 Huskey and Springer Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal

QUAD SHEET
Olinghouse

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 29(?), T21N, R23E	4393350	293100	11

PRODUCTION
182 tons of ore valued at \$14,105 per ton between 1901 and 1902.

HISTORY
Located about 1901(?).

DEVELOPMENT
Prospect.

SAMPLE SITE(S)

REMARKS
Location is uncertain and UTM's are taken from center of section.

REFERENCES
Garside and Bonham, 2003; Bonham and Papke, 1969; Couch and Carpenter, 1943; Tingley and others, 1999

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
266 Huskey and Springer Mine
OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003).

NO PROPERTY
267 Unnamed coal seam
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Sedimentary
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Secs. 16, 17(?), T21N, R23E	4393050	292460	11
PRODUCTION			
Very small(?)			
HISTORY			
Discovered in 1880s. Much work done but deposit was too limited and low-grade.			
DEVELOPMENT			
Prospect(?).			
SAMPLE SITE(S)			
REMARKS			
Location is uncertain and described as "above White Horse Canyon". UTM's are taken from center of sections. Probably in either section 16 or 17. Sections farther east are in Oligocene ash-flow tuffs.			
REFERENCES			
Garside and Bonham, 2003; Bonham and Papke, 1969; Townley, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
267 **Unnamed coal seam**

OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the reported coal seam is probably in the Miocene Pyramid sequence, which is predominantly basalt flows with some dark shales. The thin seam was located "above White Horse Canyon." No coal was seen during geologic mapping of the area, but some Pyramid sequence shales have fossil leaves.

NO PROPERTY
268 No. 1 claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 29, T21N, R23E	4392850	292490	11
PRODUCTION			
Small(?)			
HISTORY			
Located about 1900(?).			
DEVELOPMENT			
Lode claim, prospects.			
SAMPLE SITE(S)			
REMARKS			
Location is taken from center of No. 1 claim as delineated by Townley (1985).			
REFERENCES			
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY

268 No. 1 claim

OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003). The claim is near the Babe No. 1 claim (no. 21).

NO PROPERTY
269 Canada claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 29, T21N, R23E	4393260	292450	11
PRODUCTION			
Small(?)			
HISTORY			
Located about 1900(?).			
DEVELOPMENT			
Lode claim, prospects.			
SAMPLE SITE(S)			
REMARKS			
Location is taken from center of Canada claim as delineated by Townley (1985).			
REFERENCES			
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
269 Canada claim

OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003).

NO PROPERTY
270 Eli claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal

QUAD SHEET
Olinghouse

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 29, T21N, R23E	4392480	292080	11

PRODUCTION
Small(?)

HISTORY
Located about 1900(?).

DEVELOPMENT
Lode claim, prospects.

SAMPLE SITE(S)

REMARKS
Location is taken from center of Eli claim as delineated by Townley (1985).

REFERENCES
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY

270 Eli claim

OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003).

NO PROPERTY
271 Clipper claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 29, SE¼ Sec. 30, T21N, R	4392660	292030	11
PRODUCTION			
Small(?)			
HISTORY			
Located about 1900(?).			
DEVELOPMENT			
Lode claim, prospects.			
SAMPLE SITE(S)			
REMARKS			
Location is taken from center of Clipper claim as delineated by Townley (1985).			
REFERENCES			
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
271 Clipper claim
OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003).

NO PROPERTY
272 Alta claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 29, E½ Sec. 30, T21N, R23	4393060	292040	11
PRODUCTION			
Small(?)			
HISTORY			
Located about 1900(?).			
DEVELOPMENT			
Lode claim, prospects.			
SAMPLE SITE(S)			
REMARKS			
Location is taken from center of Alta claim as delineated by Townley (1985).			
REFERENCES			
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY

272 Alta claim

OTHER NAME(S)

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003).

NO PROPERTY
273 Butte claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal

QUAD SHEET
Olinghouse

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 20, T21N, R23E	4392480	292040	11

PRODUCTION
Small(?)

HISTORY
Located about 1900(?).

DEVELOPMENT
Lode claim, prospects.

SAMPLE SITE(S)

REMARKS
Location is taken from center of Butte claim as delineated by Townley (1985).

REFERENCES
Garside and Bonham, 2003; Garside and others, 2000; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
273 Butte claim
OTHER NAME(S)

GEOLOGY

Veinlets that cut basalt and dacite dike rock in this area consist of, from outside to center, epidote, drusy quartz with local adularia, gold (with copper pitch and limonite after pyrite), and calcite. The oxide copper minerals are probably from chalcopyrite, which is reported from mines in the district (Bonham and Papke, 1969). Adularia from this area was dated at 10.46 ± 0.03 Ma (Garside and others, 2000).

NO PROPERTY
274 Black Horse patented claim
OTHER NAME(S)
Mineral Survey No. 2575

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 20, T21N, R23E	4393440	292430	11
PRODUCTION			
Small(?)			
HISTORY			
Located about 1900(?).			
DEVELOPMENT			
Patented lode claim, prospects.			
SAMPLE SITE(S)			
REMARKS			
Location is taken from center of claim.			
REFERENCES			
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985; Washoe County Assessor's Map, 1996			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
274 **Black Horse patented claim**

OTHER NAME(S)
Mineral Survey No. 2575

GEOLOGY

Details of the geology are unknown, but the mine is in the Miocene Pyramid sequence, predominantly basalt flows with some dark shales. In general, mineralization is along northeast-striking faults (Garside and Bonham, 2003).

NO PROPERTY
275 Golden Fleece patented claim
OTHER NAME(S)
Patented No. 592380; Lot No. 26

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Placer
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ Sec. 29, T21N, R23E		4392480	292040	11	
PRODUCTION					
Small(?) Ore averaged \$5-17 per cubic yard for all placers.					
HISTORY					
Located before 1900(?). Bulk of gold mined from placer operations occurred between 1897 and 1902 and was highest in 1900.					
DEVELOPMENT					
Patented placer claim, prospects.					
SAMPLE SITE(S)					
REMARKS					
Location is taken from center of Golden Fleece claim as delineated by Townley (1985).					
REFERENCES					
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985; Vanderburg, 1936					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
275 **Golden Fleece patented claim**

OTHER NAME(S)

Patented No. 592380; Lot No. 26

GEOLOGY

Detailed geology is uncertain, but surrounding bedrock is Miocene Pyramid sequence, consisting mainly of basalt flows and minor dark shales. The source of placer gold was sheet, wire, and cluster gold occurring in stringers and veinlets of calcite and quartz and in pyrite and chalcopryrite along the Olinghouse fault on Green Hill. The channel containing the placers was erratic and locally up to 24 m wide and the pay dirt was 60-90 cm wide just above the bedrock. Vanderburg (1936) reported the placer depth to be 3-8 m, averaging 6 m. The best values were in 1.5-1.8 m of gravel just above bedrock. The alluvium consists of subangular, unsorted, loosely cemented, locally clayey gravel, 90% of which is less than 3 cm across. The gold is both fine- and coarse-grained. It averaged 680 fine.

NO PROPERTY
276 Sunday Evening claim
OTHER NAME(S)
Patented No. 592380; Lot Nos. 25, 28

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Placer

QUAD SHEET			
Olinghouse			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 29, T21N, R23E	4395740	292970	11

PRODUCTION
Small(?) Ore averaged \$5-17 per cubic yard for all placers.

HISTORY
Located before 1900(?) by Bill Williams. Sold to Springfield-Nevada Co. in 1904. Bulk of gold mined from placer operations occurred between 1897 and 1902 and was highest in 1900.

DEVELOPMENT
Patented placer claim, prospects.

SAMPLE SITE(S)

REMARKS
Location is taken from center of Sunday Evening claim as delineated by Townley (1985).

REFERENCES
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985; Vanderburg, 1936

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
276 Sunday Evening claim

OTHER NAME(S)

Patented No. 592380; Lot Nos. 25, 28

GEOLOGY

Detailed geology is uncertain, but surrounding bedrock is Miocene Pyramid sequence, which is mainly basalt flows and minor dark shales. The source was sheet, wire, and cluster gold occurring in stringers and veinlets of calcite and quartz and in pyrite and chalcopryite along the Olinghouse fault on Green Hill. The channel containing the placers was erratic and locally up to 24 m wide and the pay dirt was 60-90 cm wide just above the bedrock. Vanderburg (1936) reported depth of placer between 3-8 m and averaging 6 m. The best values were in 1.5-1.8 m of gravel just above bedrock. Gold fineness averages 680. The alluvium consists of subangular, unsorted, loosley cemented, locally clayey gravel about 90% of which is less than 3 cm across. The gold is both fine and coarse.

NO PROPERTY
277 Clipper patented placer claim
OTHER NAME(S)
Patented No. 592380; Lot No. 20

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Placer
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 29, T21N, R23E		4392860	291960	11	
PRODUCTION					
Small(?) Ore averaged \$5-17 per cubic yard for all placers.					
HISTORY					
Located before 1900(?). Bulk of gold mined from placer operations occurred between 1897 and 1902 and was highest in 1900.					
DEVELOPMENT					
Patented placer claim, prospects.					
SAMPLE SITE(S)					
REMARKS					
Location is taken from center of Clipper placer claim as delineated by Townley (1985).					
REFERENCES					
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985; Vanderburg, 1936; Washoe County Assessor's Map, 1996					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
277 Clipper patented placer claim

OTHER NAME(S)

Patented No. 592380; Lot No. 20

GEOLOGY

Detailed geology is uncertain, but surrounding bedrock is Miocene Pyramid sequence basalt flows and minor dark shales. The source of fine and coarse placer gold was sheet, wire, and cluster gold occurring in stringers and veinlets of calcite and quartz and in pyrite and chalcopryrite along the Olinghouse fault on Green Hill. The channel containing the placers was erratic and locally up to 24 m wide and the pay dirt was 60-90 cm wide just above the bedrock. Vanderburg (1936) reported depth of placer between 3-8 m and averaging 6 m. The best values were in 1.5-1.8 m of gravel just above bedrock. The alluvium consists of subangular, unsorted, loosely cemented, locally clayey gravel about 90% of which is less than 3 cm across. The gold fineness averages 680.

NO PROPERTY
278 Williams patented placer claim

OTHER NAME(S)
Patented No. 592380; Lot No. 23

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Placer
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 29, T21N, R23E		4392690	292560	11	
PRODUCTION					
Small(?) Ore averaged \$5-17 per cubic yard for all placers.					
HISTORY					
Located before 1900(?). Bulk of gold mined from placer operations occurred between 1897 and 1902 and was highest in 1900.					
DEVELOPMENT					
Patented placer claim, prospects.					
SAMPLE SITE(S)					
REMARKS					
Location is taken from center of Clipper placer claim as delineated by Townley (1985).					
REFERENCES					
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985; Vanderburg, 1936; Washoe County Assessor's Map, 1996					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
278 Williams patented placer claim

OTHER NAME(S)

Patented No. 592380; Lot No. 23

GEOLOGY

Detailed geology is uncertain, but surrounding bedrock is Miocene Pyramid sequence, consisting of basalt flows and minor dark shales. The source of fine and coarse placer gold was sheet, wire, and cluster gold occurring in stringers and veinlets of calcite and quartz and in pyrite and chalcopryrite along the Olinghouse fault on Green Hill. The channel containing the placers was erratic and locally up to 24 m wide and the pay dirt was 60-90 cm wide just above the bedrock. Vanderburg (1936) reported depth of placer between 3-8 m and averaging 6 m. The best values were in 1.5-1.8 m of gravel just above bedrock. The alluvium consists of subangular, unsorted, loosely cemented, locally clayey gravel about 90% of which is less than 3 cm across. The gold averages 680 fine.

NO PROPERTY
279 Gulch Gravel No. 1 patented placer claims

OTHER NAME(S)
Patent No. 592380; Lot No. 30

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Placer
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 29, T21N, R23E		4392800	291490	11	
PRODUCTION					
Small(?) Ore averaged \$5-17 per cubic yard for all placers.					
HISTORY					
Located before 1900(?). Bulk of gold mined from placer operations occurred between 1897 and 1902 and was highest in 1900.					
DEVELOPMENT					
Patented placer claim, prospects.					
SAMPLE SITE(S)					
REMARKS					
Location is taken from center of claim as delineated by Townley (1985).					
REFERENCES					
Garside and Bonham, 2003; Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985; Vanderburg, 1936; U.S. Bureau of Mines, 1995, Seq. 0320310225; Washoe County Assessor's Map, 1996					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
279 Gulch Gravel No. 1 patented placer claims

OTHER NAME(S)
Patent No. 592380; Lot No. 30

GEOLOGY

Detailed geology is uncertain, but surrounding bedrock is Miocene Pyramid sequence basalt flows and minor dark shales. The source of placer gold was sheet, wire, and cluster gold occurring in stringers and veinlets of calcite and quartz and in pyrite and chalcopryrite along the Olinghouse fault on Green Hill. The channel containing the placers was erratic and locally up to 24 m wide and the pay dirt was 60-90 cm wide just above the bedrock. Vanderburg (1936) reported depth of placer between 3-8 m and averaging 6 m. The best values were in 1.5-1.8 m of gravel just above bedrock. The alluvium consists of subangular, unsorted, loosely cemented, locally clayey gravel about 90% of which is less than 3 cm across. Fineness averaged 680.

NO PROPERTY
280 Olinghouse deposit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Low sulfidation epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
Alta Gold Co. (1999)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
Secs. 20, 29, T21N, R23E		4392260	291170	11	
PRODUCTION					
Estimated reserve of 500,000 oz of gold at 0.057 oz per ton.					
HISTORY					
Located 1994(?). Development work proceeding through 1996 and 1997. Opened in 1998. Expected mine life is about 8 years. Alta Gold went bankrupt in 1999. Olinghouse was closed and sold at auction.					
DEVELOPMENT					
Open pit.					
SAMPLE SITE(S)					
REMARKS					
UTMs from center of pit.					
REFERENCES					
Garside and Bonham, 2003; Bonham and Papke, 1969; Giancola, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002; Nevada State Inspector of Mines, 2002, 2003, 2004; Skorupa, 1994; Tingley and others, 1999; U.S. Bureau of Land Management, 1997a					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
280 Olinghouse deposit
OTHER NAME(S)

GEOLOGY

The Olinghouse Mine was developed in the central part of the Olinghouse district. The pit is located between Green Hill and Olinghouse Canyon. The host rock is basalt and minor interbedded sedimentary rocks of the Pyramid sequence (about 11-13 Ma) that are intruded by ~10.5 Ma hornblende dacite dikes (Garside and others, 2000). Coarse native gold is found in the veins with quartz (in places amethystine), epidote, adularia, and calcite. The gold is found as wires, sheets, and spongy dendritic masses, in places encrusted with macroscopically crystalline gold, and has been marketed as specimen material. Zeolite minerals are commonly present in the veins (Jones, 1998) and include heulandite, scolecite, and epistilbite. Scheelite occurs locally as stubby, white to clear crystals to 1 cm (Garside and others, 2000). Pyrite, chalcopyrite, galena, and sphalerite are also present, but are generally very minor phases. Tellurides are reported from the district (Bonham and Papke, 1969). The paragenetic sequence in the veins seems to be, from early to late: epidote, quartz, scheelite, gold, zeolite minerals, and calcite; possibly reflecting deposition from progressively cooler fluids. The sulfide minerals appear to be relatively early, and the paragenetic place of adularia is unknown. The adularia has been dated at about 10.5 Ma. Pyrite content of ore is <2%, and oxidation extends to about 120 m. Gold fineness is about 700, and As, Sb, and Hg are commonly low in the ore (Wilson and others, 2000).

NO PROPERTY
281 Lawton Hot Springs

OTHER NAME(S)
Granite Hot Springs

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Geothermal water	Hot spring

QUAD SHEET			
Verdi			

OWNERSHIP			
River Inn hotel-casino			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 13, T19N, R18E	4392490	291070	11

PRODUCTION			

HISTORY			
Sam L. Laughton was proprietor of a spa on site in 1880's. Hot water used in bathhouse for River Inn in 1970's. River Inn closed in 1996.			

DEVELOPMENT			
Artesian well, spa, and River Inn hotel-casino.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bell and Garside, 1987; Garside and Schilling, 1979			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Geothermal			

NO PROPERTY
281 Lawton Hot Springs

OTHER NAME(S)
Granite Hot Springs

GEOLOGY

Lawton Hot Springs lies at northwestern end of a 19-km-long zone of thermal water, which extends from Steamboat Hot Springs to the southeast. The hot spring had a temperature of 49°C, and an artesian well had a temperature of 60°C. The hot spring is located in outwash and terrace deposits of the Truckee River, which are probably underlain by Miocene to Pliocene Sandstone of Hunter Creek.

NO PROPERTY
282 Moana geothermal resource area
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Geothermal water	Hot spring

QUAD SHEET

Reno

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 24, T19N, R19E	4393610	292360	11

PRODUCTION

HISTORY

Moana Hot Springs (Sec. 26) was site of a spa around 1900. A number of homes and businesses had wells drilled and used water for heating starting in 1930's.

DEVELOPMENT

At least four wells for private use in this immediate area as of 1983.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of quarter section.

REFERENCES

Bonham and Bingler, 1973; Flynn and Ghusn, 1984; Garside and Schilling, 1979

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Geothermal

NO PROPERTY
282 Moana geothermal resource area

OTHER NAME(S)

GEOLOGY

This is the northernmost part of the Moana geothermal resource area, which covers about 15 sq. km roughly centered on the Moana Hot Springs in NE¼ Sec. 26, just south of the Reno 1:100,000 scale topographic map. The location of the Moana thermal system is probably controlled by north-south trending faults paralleling the Carson Range frontal fault system to the west. The hot water is generally associated with and found below a "blue clay" zone up to 45 m thick that overlies Tertiary bedrock units at a depth of 30 to 90 m. The Moana thermal system is probably related to the Steamboat Hot Springs thermal system to the south. Steamboat Hot Springs are thought to have formed about 2.5 Ma and have been intermittently active since then. They are co-located with 1.15-1.52 Ma rhyolite domes. This portion of the Moana geothermal resource area lies in Quaternary alluvium and Donner Lake outwash deposits of Quaternary age. Fluid temperatures in the Moana thermal system vary from 97°C in the west to 30°C in the east. This gradation is the result of mixing with cool groundwater in the Truckee Meadows to the east. Wells in this area have been drilled to between 190 and 275 m and encountered water at temperatures between 42° and 59° C.

NO PROPERTY
283 Anaho Island
OTHER NAME(S)
Anaho Island National Wildlife Refuge

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Geothermal water	Warm spring

QUAD SHEET

Sutcliffe

OWNERSHIP

U.S. Fish and Wildlife Service

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 16, T24N, R22E	4393800	292280	11

PRODUCTION

HISTORY

Pyramid Lake was discovered by John Fremont in 1844. Pyramid Lake is now within the Pyramid Lake Indian Reservation owned by the Paiute Indian tribe. Anaho Island is now a National Wildlife Refuge.

DEVELOPMENT

None.

SAMPLE SITE(S)

REMARKS

Exact location uncertain. UTM's taken from high point of Anaho Island.

REFERENCES

Bonham and Papke, 1969; Garside and Schilling, 1979

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Geothermal

NO PROPERTY
283 **Anaho Island**

OTHER NAME(S)
Anaho Island National Wildlife Refuge

GEOLOGY

Anaho Island is made up of Miocene Pyramid sequence basalts that are intruded by dacitic rocks (Faulds and others, 2001). A warm spring (49°C) has been reported from the island (Garside and Schilling, 1979), but none could be located in 2005.

NO PROPERTY
284 Pyramid Island

OTHER NAME(S)

The Pyramid

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Geothermal water	Warm spring

QUAD SHEET
Sutcliffe

OWNERSHIP
Pyramid Lake Indian Reservation

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 3, T24N, R22E	4392400	291780	11

PRODUCTION

HISTORY
Pyramid Lake was discovered by John Fremont in 1844. Pyramid Lake is now within the Pyramid Lake Indian Reservation owned by the Paiute Indian tribe.

DEVELOPMENT
None.

SAMPLE SITE(S)

REMARKS
Exact location uncertain. UTM's taken from high point of Pyramid Island.

REFERENCES
Bonham and Papke, 1969; Garside and Schilling, 1979

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Geothermal

NO PROPERTY
284 Pyramid Island

OTHER NAME(S)
The Pyramid

GEOLOGY

Detailed geology is uncertain, but Pyramid Island is a Quaternary tufa mound deposited by underwater warm springs when the lake level was higher. Steam and a small amount of water issues from a crack on the west side of the island about 18 m above the water level.

NO PROPERTY
285 Warm Springs
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Washoe	Geothermal water		Warm spring

QUAD SHEET					
Fraser Flat					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
E½ Sec. 22, T23N, R20E		4392210	291980	11	

PRODUCTION					

HISTORY					

DEVELOPMENT					
None.					

SAMPLE SITE(S)					

REMARKS					
UTMs taken from center of cluster of three springs. Located in Warm Springs Valley.					

REFERENCES					
Bonham and Papke, 1969; Garside and Schilling, 1979; Tingley and others, 1999					

FIELD EXAMINER(S)					
L. Garside, 1985, 1998					

OCCURRENCE					
Geothermal					

NO PROPERTY
285 **Warm Springs**
OTHER NAME(S)

GEOLOGY

The Warm Springs for which Warm Springs Valley is named arise in late Pleistocene lake deposits of clay, silt, sand, gravel, and calcareous tufa. The springs are associated with a NNW-trending fault (Garside and others, 2003). The springs are 68°C , and thermal ground water has been encountered in nearby water wells in Secs. 22, 23, 25, 26, and 35.

NO PROPERTY
286 Cottonwood Spring
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Geothermal water		Warm spring

QUAD SHEET					
Moses Rock					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
Sec. 26, T23N, R21E		4392700	292330	11	

PRODUCTION					

HISTORY					

DEVELOPMENT					
None.					

SAMPLE SITE(S)					

REMARKS					
Exact location uncertain. UTM's taken from center of section. Moses Rock 7 1/2' and Sutcliffe 15' topographics map shows springs in sections 23, 24, and 25.					

REFERENCES					
Bonham and Papke, 1969; Garside and Schilling, 1979; Tingley and others, 1999					

FIELD EXAMINER(S)					
Not examined during this study.					

OCCURRENCE					
Geothermal					

NO PROPERTY
286 Cottonwood Spring
OTHER NAME(S)

GEOLOGY

A spring from this area is listed as warm by Garside and Schilling (1979); there is no known recent confirmation of this..

NO PROPERTY
287 McCulloch Corp. wells
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Cedar	Washoe	Geothermal water	Warm spring

QUAD SHEET			
Fraser Flat			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 7, T22N, R21E	4392290	292290	11

PRODUCTION			

HISTORY			

DEVELOPMENT			
Well.			

SAMPLE SITE(S)			

REMARKS			
Garside and Schilling (1979) place well at SE1/4, NW1/4, but topographic map places it in upper center of N1/2 of section.			

REFERENCES			
Bonham and Papke, 1969; Garside and Schilling, 1979; Tingley and others, 1999			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Geothermal			

NO PROPERTY
287 McCulloch Corp. wells
OTHER NAME(S)

GEOLOGY

Thermal groundwater is found in an approximately 1 km² area just south of State Route 445 in the vicinity of the U.S. Bureau of Land Management Wild Horse Facility. Three wells there have reported water temperatures of 43 , 43 , and 29°C (unpub. well driller's reports in the Office of the Nevada State Engineer).

NO PROPERTY
288 Warm Spring
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Geothermal water	Warm spring

QUAD SHEET
Wadsworth

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 30, T22N, R24E	4391900	292260	11

PRODUCTION

HISTORY

DEVELOPMENT

SAMPLE SITE(S)

REMARKS
Exact location is unknown and reported to be in "Dead Ox Canyon 12 miles (19 km) south of Nixon". Dead Ox Wash is 10 km south of Nixon and traverses secs. 25 to 28 in R23E and sec. 30 in R24E. UTM's approximate.

REFERENCES
Bonham and Papke, 1969; Garside and Schilling, 1979

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Geothermal

NO PROPERTY
288 Warm Spring
OTHER NAME(S)

GEOLOGY

Waring (1965) reported a warm spring in Dead Ox Canyon 12 miles south of Dixon [Nixon]. No warm springs are known in the area of Dead Ox Canyon west of the Truckee River, but a recently discovered warm spring just east of the river and opposite the mouth of Dead Ox Canyon (Mark Coolbaugh, oral commun., 2005) may be the spring described by Waring.

NO PROPERTY
289 Warm well
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Washoe	Geothermal water		Geothermal water

QUAD SHEET

Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 17, T19N, R18E	4393300	292080	11

PRODUCTION

HISTORY

DEVELOPMENT

Well.

SAMPLE SITE(S)

REMARKS

Exact location is unknown. UTM's taken from center of section.

REFERENCES

Bell and Garside, 1987; Garside and Schilling, 1979

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Geothermal

NO PROPERTY

289 Warm well

OTHER NAME(S)

GEOLOGY

The detailed geology is uncertain, but section 17 largely consists of Quaternary Truckee River outwash and terrace deposits and pediment deposits of the Verdi Basin. These despoits are largely underlain by the Miocene-Pliocene Sandstone of Hunter Creek and cut but by several NW- and NNW-striking faults. Well had a temeperature of 26°C (Garside and Schilling, 1979).

NO PROPERTY
290 Patua Hot Springs

OTHER NAME(S)
Hazen area hot springs

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Lyon	Geothermal water		Hot springs
QUAD SHEET					
Hazen					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
W½ Sec. 18, T20N, R26E		4377380	250075	11	
PRODUCTION					
None.					
HISTORY					
In 1961, Magma Power Co. drilled three cable-tool exploratory wells between 90 and 230 m deep.					
DEVELOPMENT					
Three cable-tool exploratory wells between 90 and 230 m deep.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Garside and Schilling, 1979; Moore, 1969					
FIELD EXAMINER(S)					
L.J. Garside, 5/23/2002					
OCCURRENCE					
Geothermal					

NO PROPERTY
290 Patua Hot Springs

OTHER NAME(S)
Hazen area hot springs

GEOLOGY

The springs arise in a swampy area underlain by Quaternary alluvium. Temperatures range from 28 to 95.5°C. Three wells drilled by Magma Power Co. in 1961 to between 90 and 230 m encountered water with a temperature of 135°C (Garside and Schilling, 1979).

NO PROPERTY
291 Fernley No. 1
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Geothermal water	Geothermal water

QUAD SHEET			
Fernley East			

OWNERSHIP			
Magma Energy, Inc.			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 24, T20N, R25E	4376040	259040	11

PRODUCTION
None.

HISTORY
Magma Energy, Inc. spudded well on 16 April 1975, drilled to 1,118 m, and completed it on 25 Apr 1975. Well was plugged and abandoned.

DEVELOPMENT
1,118 m plugged and abandoned 44.5 cm diameter geothermal well.

SAMPLE SITE(S)

REMARKS

REFERENCES
Garside and Schilling, 1979; Magma Energy, 1974; Moore, 1969

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Geothermal

NO PROPERTY
291 Fernley No. 1
OTHER NAME(S)

GEOLOGY

The detailed geology is uncertain, but the well was drilled in Quaternary alluvium, which largely consists of alluvial fan gravel, stream-laid gravel, sand and silt, and some talus material and dune sand (Moore, 1969). No temperature was reported.

NO PROPERTY
165 Sleepy Joe Mine

OTHER NAME(S)
Kyle Mine; Mint Mine; Eveland Mine; Anti Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Sb	Quartz vein
QUAD SHEET			
Spanish Springs Peak			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE ¼ NE ¼ Sec. 30, T22N, R22E	4425190	285310	11
PRODUCTION			
Minor(?)			
HISTORY			
DEVELOPMENT			
7.5 m adit, 4.5 m inclined shaft, a caved shaft, and an open cut.			
SAMPLE SITE(S)			
RN-43; 6106			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Lawrence, 1963; Mason and others, 1996, Rec. M231068; Tingley and others, 1999; U.S. Bureau of Mines, 1996, Seq. 0320310133			
FIELD EXAMINER(S)			
D. A. Davis, 1994			
OCCURRENCE			
Metallic			

NO PROPERTY
165 Sleepy Joe Mine

OTHER NAME(S)

Kyle Mine; Mint Mine; Eveland Mine; Anti Mine

GEOLOGY

A shaft was sunk on N35°-65°E, brecciated quartz vein. The vein strikes N65°E at the shaft collar, but varies from N35°E to N50°E in poorly-exposed outcrops along strike to the northeast. Vein dips about 30°SE and is about 0.75 m thick as exposed in caving collar. Kaolinized, coarse-grained, gneissic granodiorite exposed in footwall of vein in shaft collar. There appear to be other thin quartz stringers in the footwall. Rock on the shaft dump is mainly coarse-grained, fresh, biotite granodiorite and quartz vein material. There are traces of pale green and blue-green CuOx minerals in vein, vein has been brecciated and recemented, and has rubble-like appearance. "High-grade" vein material on dump contains hematite, pyrite, fine-grained, dark sulfide, along with CuOx minerals. Lawrence (1963) reported stibnite plus some pyrite and chalcopyrite at the intersection of two quartz veins.

NO PROPERTY
166 Secret Canyon prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal
QUAD SHEET			
Pah Rah Mtn.			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 20 T22N, R23E	4428345	286425	11
PRODUCTION			
None(?)			
HISTORY			
DEVELOPMENT			
Two short adits, one caved, and several pits.			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from Quade and others (1990a, 1990b)			
REFERENCES			
Bonhamn and Papke, 1969; Mason and others, 1996, Rec. M231132; U.S. Bureau of Mines, 1996, Seq. 0320310095			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
166 Secret Canyon prospect
OTHER NAME(S)

GEOLOGY

Workings are located on a zone of quartz stringers and veinlets 0.9-1.5 m wide and about 30 m long, which cut brecciated Oligocene rhyolite welded tuff and associated siliceous and carbonaceous shale and pebbly sandstone. The lode strikes N60°-70°W and dips steeply NE. The rocks within the lode are thoroughly silicified and are cut by numerous veinlets of vuggy quartz. Sparsely disseminated pyrite occurs both in the quartz veinlets and in the silicified rock. Manganese oxides occur along fracture surfaces. A grab sample of vein material from a dump assayed: gold: 0.62 oz. per ton, and silver: 2.06 oz. per ton.

NO PROPERTY
167 Myra group
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE	
Olinghouse		Washoe	Ag(?)		Unknown	
QUAD SHEET						
Olinghouse						
OWNERSHIP						
PLSS LOCATION		UTM NORTH	UTM EAST		ZONE	
NE¼ Sec. 15, T21N, R23E		4414000	267615		11	
PRODUCTION						
Small(?)						
HISTORY						
DEVELOPMENT						
Prospects on topographic map.						
SAMPLE SITE(S)						
REMARKS						
Location estimated from Plate 2 in Bonham (1969).						
REFERENCES						
Bonham and Papke, 1969; U.S. Bureau of Mines, 1996, Seq. 0320310188						
FIELD EXAMINER(S)						
Not examined during this study.						
OCCURRENCE						
Metallic						

NO PROPERTY
167 Myra group
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but prospect is probably in Oligocene ash-flow tuffs. The name may refer to a property called the Stud Mine (no. 34) elsewhere in this report.

NO PROPERTY
168 Eagle-Picher Industries, Inc., diatomite pits

OTHER NAME(S)

Celatom Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Storey	Diatomite	Sedimentary

QUAD SHEET

Derby Dam

OWNERSHIP

Eagle-Picher Industries, Inc.

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 34, N½ Sec. 35, T20N, R23E	4412230	278230	11

PRODUCTION

250,000 tons annually

HISTORY

Located 1918. Small intermittent production until Celaton Co. organized in 1943. Eagle-Picher started leasing in 1945.

DEVELOPMENT

Three medium-sized open pits. Plant in sec. 5, T20N, R22E

SAMPLE SITE(S)

REMARKS

UTMs taken from geographic center of two pits.

REFERENCES

Bonham and Papke, 1969; Castor, 1994; Gallagher, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970; Murphy, 1943; Nevada State Inspector of Mines, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 198

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Nonmetallic

NO PROPERTY
168 Eagle-Picher Industries, Inc., diatomite pits

OTHER NAME(S)
Celatom Mine

GEOLOGY

Diatomite is included in a 90-105 m thick Upper Miocene sequence that also includes diatomaceous shale and a few thin rhyolitic ash beds. An ash bed in the mined diatomite is 9.8 Ma (Stewart and Perkins, 1999). Rose (1969) includes this sequence in the Desert Peak Formation, but Bonham and Papke (1969) includes it in the Kate Peak Formation. The diatomite beds dip northward and are commonly offset short distances by faults. The better diatomite is fairly massive, very light gray with a pinkish cast, and has a brightness in the high 60s to low 70s. The main diatom is "*Melosira granulata*".

NO PROPERTY
169 Truckee Canyon perlite deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Washoe	Perlite	Sedimentary
QUAD SHEET			
Patrick			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 30, T20N, R22E	4408310	271690	11
PRODUCTION			
Small(?)			
HISTORY			
Surface disturbances were done between 1940 and 1954, and small pits were started between 1954 and 1964.			
DEVELOPMENT			
Pit 7.5 m in diameter, and shallow trenches for about 60 m southwestward along strike (Bonham and Papke, 1969). Pit about 50 m long by about 10-15 m wide, and about 3 m deep.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Fairchild Aerial Surveys, 1940 (aerial photograph 302); Nevada Air National Guard, 1964 (aerial photograph 3-47); Tingley and others, 199; U.S. Bureau of Land Management, U.S. Bureau of Mines, 1996, Seq. 0320310049; U.S. Geological			
FIELD EXAMINER(S)			
D. A. Davis, 8/19/1999			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
169 Truckee Canyon perlite deposit

OTHER NAME(S)

GEOLOGY

Miocene(?) pumiceous rhyolite that tends to form hills apparently consists of shallow, nearly vertical intrusive bodies or extrusive domes, but exposed contacts are rare. Some deposits are extensively brecciated by volcanic processes, with associated mixing of rhyolite and wall-rock fragments. Commonly, the rock is very light gray with a slight vitreous to pearly luster. The rock varies in density and usually does not contain visible voids, but microscopic vesicles are abundant. Commonly, steep-dipping flow banding is present. The rock largely consists of slightly devitrified volcanic glass containing only minor amounts of rock-forming minerals. The perlite is dense and very friable and is light gray but weathers light brown. Rounded pieces of obsidian, mostly 0.3-0.6 cm in diameter ("Apache tears"), make up about 15% of the rock. On the map of Bonham and Papke (1969), the perlite appears to be part of a probable Pliocene unit of intrusive rhyolitic plugs, protrusive domes, and flows.

NO PROPERTY
432 Golden Rule Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Golden Wheel Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET

Moses Rock

OWNERSHIP

Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 22, T23N, R21	4401600	301400	11

PRODUCTION

None(?)

HISTORY

Relocation of Golden Wheel Claim on 15 Aug 1899 by John Armstrong for Antone Dragovich. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.

DEVELOPMENT

Discovery shaft in center of claim. Patented claim. Part of Old Pacific Group.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of claim.

REFERENCES

Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975; Washoe County Mining Claims Records, 1899

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
432 Golden Rule Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Golden Wheel Claim

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon.

NO PROPERTY
433 St. George Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Hammond Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown
QUAD SHEET			
Moses Rock			
OWNERSHIP			
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 22, T23N, R21	4377710	243675	11
PRODUCTION			
None(?)			
HISTORY			
Relocation of Hammond Mine on 9 May 1899 by John S. Gilson. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.			
DEVELOPMENT			
Discovery shaft in center of claim with another shaft about 115 m ESE. Patented claim. Part of Old Pacific Group.			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from center of claim.			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975; Washoe County Mining Claims Records, 1899			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
433 St. George Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Hammond Mine

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon.

NO PROPERTY
434 Bell Isle Claim

OTHER NAME(S)
Mineral Survey 3176A; Old Pacific Group

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Au(?)		Unknown
QUAD SHEET					
Moses Rock					
OWNERSHIP					
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 22, SW ¼ Sec 23, T23N, R2		4385790	318155	11	
PRODUCTION					
None(?)					
HISTORY					
Located 9 May 1899 by Spiro Francovich. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.					
DEVELOPMENT					
Patented claim. Two short tunnels driven in from Scorpion Claim. Bell Isle Mill Site, located in 1902 and surveyed in 1907 and patented in 1909, is located NW/4 of section 23.					
SAMPLE SITE(S)					
REMARKS					
UTMs taken from center of claim.					
REFERENCES					
Bonham and Papke, 1969; USBLM Claim Survey Map, 1907; Washoe County Assessors Map Book, 1975.					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
434 Bell Isle Claim

OTHER NAME(S)
Mineral Survey 3176A; Old Pacific Group

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon.

NO PROPERTY
435 Scorpion Claim

OTHER NAME(S)

Mineral Survey 3175A; Old Pacific Group; Giant Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET

Moses Rock

OWNERSHIP

Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec 23, T23N, R21	4383075	317155	11

PRODUCTION

None(?)

HISTORY

Located 10 Jul 1904 by Spiro Francovich. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1916.

DEVELOPMENT

Cut and adit with 55 m tunnel trending WNW. Claim also contains discovery shaft in center with a cut and 18 m tunnel about 60 m NW. Patented claim. Part of Old Pacific Group.

SAMPLE SITE(S)

REMARKS

UTMs taken from adit.

REFERENCES

Bonham and Papke, 1969; USBLM Claim Survey Map, 1907; Washoe County Assessors Map Book, 1975.

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
435 Scorpion Claim

OTHER NAME(S)

Mineral Survey 3175A; Old Pacific Group; Giant Claim

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon.

NO PROPERTY
436 Hot Claims Nos. 77-104
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Au(?)	Mineralized metasediments

QUAD SHEET			
Telephone Well			

OWNERSHIP			
Santa Fe Pacific, Inc. (1990-1991)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W/2 and S½ Sec. 6, T23N, R26E	4405760	327730	11

PRODUCTION
None.

HISTORY
Prospects on topographic map (1986). Latest claims located by Santa Fe Pacific in 1990 and dropped in 1991.

DEVELOPMENT
Block of claims and associated propsects.

SAMPLE SITE(S)

REMARKS
UTM from center of claim block.

REFERENCES
Harlan, 1984; U.S. Bureau of Land Management, 1997b; Willden and Speed, 1974

FIELD EXAMINER(S)
L.J. Garside, 11/11/1988.

OCCURRENCE
Metallic

NO PROPERTY
436 Hot Claims Nos. 77-104
OTHER NAME(S)

GEOLOGY

Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic metavolcanic pyroclastic(?) rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton. Quartz veins, one massive calcite vein, and iron-stained shear zones cut the pre-Tertiary rocks around the margins of the pluton, but the metallic mineralization appears marginal (Willden and Speed, 1974). The Hot Claims lie partially in the quartz-diorite pluton and partially in Quaternary alluvium.

NO PROPERTY
437 Good Luck Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Montana Claim; Montana Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET

Moses Rock

OWNERSHIP

Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec 23, T23N, R21	4412520	319750	11

PRODUCTION

None(?)

HISTORY

Relocation of Montana Claim 9 May 1899 by Spiro Francovich. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.

DEVELOPMENT

Discovery shaft in center of claim. Patented claim. Part of Old Pacific Group.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of claim.

REFERENCES

Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975.

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
437 Good Luck Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Montana Claim; Montana Mine

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon.

NO PROPERTY
7 Redelius titanium property
OTHER NAME(S)
FF No. 191 Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Ti	Greisen

QUAD SHEET			
Bedell Flat			

OWNERSHIP			
Julius Redelius (1969); Resource Associatse of Alaska (1978)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 29, T22N, R20E	4415700	321470	11

PRODUCTION			
None(?)			

HISTORY			
Located in 1978 by Resources Associates of Alaska as one of 361 claims. Shafts predate the FF claim block.			

DEVELOPMENT			
Two shallow shafts, one caved at about 10 m and one caved at about 3 m. Bulldozer trenches. Shafts 15 m deep (Beal, 1963). Several placer claims and 6 lode claims.			

SAMPLE SITE(S)			
3431			

REMARKS			
Resource Associates of Alaska claims were probably staked for a U play in Hungry Vallely to the east. Beal (1963) reported the property in Sec. 21 and 22, which is clearly incorrect, as that area is several km from granite outcrops.			

REFERENCES			
Beal, 1963; Bonham and Papke, 1969; Garside, 1993; Quade and others, 1990a, 1990b; Tingley and others, 1999; Washoe County Mining Claims Platt, 1992; Garside and others, 1992			

FIELD EXAMINER(S)			
L.J. Garside, 5/17/1989			

OCCURRENCE			
Metallic			

NO PROPERTY
7 Redelius titanium property

OTHER NAME(S)

FF No. 191 Claim

GEOLOGY

Red rutile occurs in association with vuggy quartz and 2-4 mm diameter books of muscovite along a N80°W-trending greisenized zone in Mesozoic biotite quartz monzonite. The mineralized zone is explored by two shallow shafts and a bulldozer trench. The mineralized zone appears to dip steeply south(?) or be vertical. Also present in the wall rock are pink aplite dikes and a dike of dark greenish granodiorite porphyry with platy plagioclase phenocrysts up to 1 cm long and 1-2 mm thick. Very sparse oxide copper minerals (chrysocolla) are found in the greisen as well as very sparse limonite after pyrite. One large limonite replacement contained a small remnant chalcopyrite grain. Muscovite was dated at 86.7 ± 3.0 Ma. The altered and mineralized zone may connect with a vertical zone exposed in a pit near a shallow inclined shaft 400 m east of the west shaft shown on the topographic map (shown as a prospect near the road). Beal (1963) reported rutile in aplite also. Some select samples contain up to 30% TiO₂ but samples of "rutile concentration" average <1% (Beal, 1963). Sample 3431 is a sample of greisen with rutile selected from along the zone with two shafts.

NO PROPERTY
8 Finn shaft
OTHER NAME(S)
Frenchman shaft

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Freds Mountain		Washoe	Cu		Vein(?)

QUAD SHEET					
Bedell Flat					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
Center Sec. 2, T22N, R19E		4406380	328110	11	

PRODUCTION					

HISTORY					
Shaft names form Carl Wikstrom (oral commun.).					

DEVELOPMENT					
Shallow (approx. 8 m) shaft, location is just east of building symbol shown on map. Building is now destroyed and only a few pieces of corrugated sheet metal remain.					

SAMPLE SITE(S)					
3409					

REMARKS					

REFERENCES					
Quade and others, 1990a, 1990b; Tingley and others, 1999					

FIELD EXAMINER(S)					
L.J. Garside, 11/19/1986					

OCCURRENCE					
Metallic					

NO PROPERTY

8 Finn shaft

OTHER NAME(S)

Frenchman shaft

GEOLOGY

The shaft is along a strongly foliated zone (N65°E, 90°) which appears to occur near a contact between Mesozoic quartz monzonite on the northwest and granodiorite on the southeast. The zone itself may be a skarnoid-like feature or a strongly metamorphosed sliver of Mesozoic metavolcanic(?) rock or some type of schlieren. Quartz, feldspar, epidote, and amphibole were recognized. Chrysocolla and limonite coat fractures in wall rock and very sparse vein quartz. Some boxworks after pyrite(?) were observed in the quartz. Sample 3409 is a select sample of quartz vein material and metamorphic wall rock with iron and copper oxide minerals.

NO PROPERTY
9 Miller Titanium claims
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Ti	Greisen
QUAD SHEET			
Bedell Flat			
OWNERSHIP			
Clyde Miller			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 26, T22N, R19E	4417430	320910	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Several shallow pits and backhoe trenches.			
SAMPLE SITE(S)			
3423			
REMARKS			
Beal (1963) described location as 2 mi west of Redelius property.			
REFERENCES			
Beal, 1963; Quade and others, 1990a, 1990b; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 5/13/1987			
OCCURRENCE			
Metallic			

NO PROPERTY
9 Miller Titanium claims

OTHER NAME(S)

GEOLOGY

The rock exposed on several low hills appears to be altered Mesozoic granodiorite. The rock has a few relict textures, but is mainly quartz, sericite, and limonite. Beal (1963) described it as aplite, and reported up to 3% TiO₂. The limonite occurs as fracture coatings and pseudomorphs after sulfide minerals. The area of alteration is about 600 m east-west by 200 m north-south. A prospect similar prospect to this one is located to the east, at the main range front. Small (1 mm diameter) rutile crystals are found disseminated in the greisen-like rock. Sample 3423 is a grab sample of typical altered rock from a trench.

NO PROPERTY
10 Turquoise No. 4 Lode Claim

OTHER NAME(S)
Comstock-Eureka prospect(?); Conway Nash(?); Nash Copper

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Freds Mountain		Washoe	Cu		Altered zone
QUAD SHEET					
Bedell Flat					
OWNERSHIP					
C. Nash (1972)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 10, T22N, R19E		4418090	320290	11	
PRODUCTION					
None					
HISTORY					
Located in or before 1972 as 1 of 24 claims by C. Nash.					
DEVELOPMENT					
Two or three short adits with caved portals.					
SAMPLE SITE(S)					
3414					
REMARKS					
0320310185 is Comstock-Eureka listed in section 10. 0320310199 is Conway Nash listed in section 9. Neither is in 1997 BLM Claim Fiche.					
REFERENCES					
Mason and others, 1996, Rec. M231081; Quade and others, 1990a, 1990b; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310017					
FIELD EXAMINER(S)					
L.J. Garside, 12/4/1986					
OCCURRENCE					
Metallic					

NO PROPERTY
10 **Turquoise No. 4 Lode Claim**

OTHER NAME(S)

Comstock-Eureka prospect(?); Conway Nash(?); Nash Copper

GEOLOGY

Several short adits and nearby bulldozer cuts explore an area of iron staining and sericitic alteration(?) in medium gray intermediate-composition Mesozoic metavolcanic rocks. The iron-stained area is in and adjacent to a north-northeast fault which appears to form the east boundary of Freds Mountain. The rocks are locally sheared and brecciated. Except for iron, no metallic minerals were observed. There are no high concentrations of limonite and no vein quartz of any significance was noted. The reason for the workings is unknown. Nearby prospects (sample 3411-13) contain oxidized copper minerals. Sample 3414 is a grab sample of limonite-stained rock with a high concentration of sericite collected from outcrops near adit portals.

NO PROPERTY
438 Nevada Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Victoria Claim; Prince of Wales Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown
QUAD SHEET			
Moses Rock			
OWNERSHIP			
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec 23, T23N, R21	4418240	326790	11
PRODUCTION			
None(?)			
HISTORY			
Victoria Mine was a relocation of Prince of Wales Mine on 6 May 1899 by John S. Gilson. Relocated as Nevada Claim on 28 Jul 1902 by R. W. Perry. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910(?).			
DEVELOPMENT			
Patented claim. Nevada Mill Site, located and surveyed 1907 and patented 1910(?), is located in NW/4. Part of Old Pacific Group.			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from center of claim.			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975; Washoe County Mining Claims Records, 1899, 1902			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
438 Nevada Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Victoria Claim; Prince of Wales Claim

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon.

NO PROPERTY
439 Ruth Claim

OTHER NAME(S)

Mineral Survey 3018A; Ruth Mine; Lucy Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	High-sulfidation epithermal
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec 17, T23N, R21	4418200	328280	11
PRODUCTION			
None(?)			
HISTORY			
Lucy Claim located 21 May 1897 by L. A. Norton and relocated 8 May 1899 by C. W. Bidwell. Lucy relocated as Ruth Claim on 1 Jan 1905 by F. O. Norton. Acquired by the Pyramid Consolidated Mines Co., surveyed 1907, and patented 1908.			
DEVELOPMENT			
Patented claim. Three shafts, one adit, and several prospect pits.			
SAMPLE SITE(S)			
6151-6155, 6166			
REMARKS			
UTMs taken from point between two shafts. Ruth Mine on topographic map does fall on Ruth claim.			
REFERENCES			
Bonham and Papke, 1969; Tingley and others, 1999; USBLM Claim Survey Map, 1907; Washoe County Assessors Map Book, 1975; Washoe County Mining Claims Records, 1897, 1899, 1905; Garside and others, 2000			
FIELD EXAMINER(S)			
S.B. Castor, 8/28/1998, 9/24/1998			
OCCURRENCE			
Metallic			

NO PROPERTY

439 Ruth Claim

OTHER NAME(S)

Mineral Survey 3018A; Ruth Mine; Lucy Claim

GEOLOGY

Workings are along a northeast-striking silicified zone in Miocene tuff of Perry Canyon. Gold soil anomalies were drilled in 1988 by Battle Mountain Gold Co. (Garside and others, 2000, p. 57). Samples 6151-6155 are silicified and pyritized tuff from ledges.

NO PROPERTY

440 Lyda Claim

OTHER NAME(S)

Mineral Survey 3018A; Excelsior Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET

Fraser Flat

OWNERSHIP

Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec 16, SE¼ Sec. 17, T23N, R2	4406630	328000	11

PRODUCTION

None(?)

HISTORY

Excelsior Mine located 2 Aug 1897 and relocated 29 Nov 1899 by F. O. Norton. Excelsior relocated as Lyda on 1 Jan 1905 by F. O. Norton. Acquired by the Pyramid Consolidated Mines Co., surveyed 1907, and patented 1908.

DEVELOPMENT

1907: Discovery and another shaft near center of NW end line near shafts on Ruth claim and could be the SE one of those two at the Ruth Mine on the topographic map.

SAMPLE SITE(S)

REMARKS

UTMs taken from discovery shaft.

REFERENCES

Bonham and Papke, 1969; USBLM Claim Survey Map, 1907; Washoe County Assessors Map Book, 1975; Washoe County Mining Claims Records, 1897, 1899, 1905

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY

440 Lyda Claim

OTHER NAME(S)

Mineral Survey 3018A; Excelsior Mine

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon at or near the Ruth Mine.

NO PROPERTY
441 Whittaker Claim

OTHER NAME(S)
Mineral Survey 3018A

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET
Fraser Flat

OWNERSHIP
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec 16, SE¼ Sec. 17, T23N, R2	4404230	325960	11

PRODUCTION
None(?)

HISTORY
Located 28 Jun 1903 by Arthur H. TenBroeck. Acquired by the Pyramid Consolidated Mines Co., surveyed 1907, and patented 1908.

DEVELOPMENT
Patented claim. Overlaps Lyda Claim, see 440.

SAMPLE SITE(S)

REMARKS
UTMs taken from center of claim.

REFERENCES
Bonham and Papke, 1969; USBLM Claim Survey Map, 1907; Washoe County Assessors Map Book, 1975.

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
441 **Whittaker Claim**

OTHER NAME(S)
Mineral Survey 3018A

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon in the general vicinity of the Ruth Mine.

NO PROPERTY
442 Golden West Claim

OTHER NAME(S)
Mineral Survey 3019A

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET
Fraser Flat

OWNERSHIP
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec 17, NW ¼ Sec. 20, T23N, R	4403600	326160	11

PRODUCTION
None(?)

HISTORY
Located 29 May 1899 by F. O. Norton. Acquired by the Pyramid Consolidated Mines Co., surveyed 1907, and patented 1908.

DEVELOPMENT
Patented claim.

SAMPLE SITE(S)

REMARKS
UTMs taken from discovery cut.

REFERENCES
Bonham and Papke, 1969; Washoe County Assessors Map Book, 1975.

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
442 **Golden West Claim**

OTHER NAME(S)
Mineral Survey 3019A

GEOLOGY

Detailed geology uncertain, but claim is probably in Miocene tuff of Perry Canyon.

NO PROPERTY
478 April Fool claim, center adit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode
QUAD SHEET			
Verdi			
OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 13, T20N, R18E	4400560	323120	11
PRODUCTION			
None(?)			
HISTORY			
Located 1 Apr 1909 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.			
DEVELOPMENT			
1921: Adit with long tunnel trending 70 m ESE; then 130 m ENE. Also contains 180 m of workings connecting with workings of adit in SE Fravel claim. Claim also contained 4 buildings near SW corner, a short adit near center S, long tunnel in N of claim.			
SAMPLE SITE(S)			
3405			
REMARKS			
UTMs from center of claim. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-476, 479)			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977			
FIELD EXAMINER(S)			
L.J. Garside, 1986			
OCCURRENCE			
Metallic			

NO PROPERTY
478 April Fool claim, center adit
OTHER NAME(S)

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone. Sample 3405 is a select sample of vein quartz with barite, pyrite, and rare tetrahedrite(?) from dump of shaft halfway between the Fravel and Paymaster mines.

NO PROPERTY
479 Fravel Claim, SW workings
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode
QUAD SHEET			
Verdi			
OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 13, T20N, R18E	4399250	320460	11
PRODUCTION			
Small(?)			
HISTORY			
Located 18 Feb 1909 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.			
DEVELOPMENT			
1921: Two adits with 345 m of tunnels and cuts that connect with tunnel from mine in April Fool claim. Claim also contains the main part of the Fravel Mine in the NE part.			
SAMPLE SITE(S)			
REMARKS			
UTMs from adit. Part of Fravel-Paymaster group of patented claims (See 46, 449, 465-478)			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977			
FIELD EXAMINER(S)			
L.J. Garside, 1986			
OCCURRENCE			
Metallic			

NO PROPERTY
479 Fravel Claim, SW workings

OTHER NAME(S)

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
480 Double Jack Claim Nos. 19, 23
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Dogskin Mountain	Washoe	U(?)	Aplite and pegmatite dikes
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Shields, James, Jr.; Taylor, Jack, Jr. (1985)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 9, NW¼ Sec. 16, T23N, R	4396700	319810	11
PRODUCTION			
None			
HISTORY			
Located by Shields and Taylor in Nov 1969 as part of 38 lode claims and 23 placer claims and kept current at least through 1985.			
DEVELOPMENT			
1969: Three bulldozer cuts, several prospect pits, and exploration roads. Certificate of location notes geophysical surveys.			
SAMPLE SITE(S)			
5860			
REMARKS			
UTMs from geographic center of cluster of cuts.			
REFERENCES			
Tingley and others, 1999; Washoe County Mining Claims, 1969; Claim maps, 1972			
FIELD EXAMINER(S)			
D. A. Davis, 06/16/1998.			
OCCURRENCE			
Metallic			

NO PROPERTY
480 Double Jack Claim Nos. 19, 23

OTHER NAME(S)

GEOLOGY

Aplite and pegmatite veins and dikes cut foliated granitic rock. Veins and dikes range from several cm up to 1 m in thickness with a trend varying from N17°W to N54°E. Aplite and pegmatite consists of quartz and feldspar with minor biotite and tourmaline and occasional copper staining. Sample 5860 is selected samples from the dump of mineralized aplite and pegmatite. Scintillation counter shows 160-180 cps for larger dikes as opposed to 60-70 cps for granitic rocks.

NO PROPERTY
610 Gold Bond propsect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au	High-sulfidation epithermal

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SE¼ Sec. 24, T20N, R19E	4395930	317980	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Prospect pit, 3 m by 3m by 2.5 m deep.

SAMPLE SITE(S)
6114

REMARKS

REFERENCES
Tingley and others, 1999

FIELD EXAMINER(S)
J. V. Tingley, 10/12/1998

OCCURRENCE
Metallic

NO PROPERTY
610 Gold Bond propsect

OTHER NAME(S)

GEOLOGY

Prospect exposes shear zone in silicified ledge; zone is about 4 m thick as exposed in pit. Heavy gossan coatings on wall rock, red brown and yellow brown, some MnOx. Rock is vuggy with limonite points throughout. Outcrops of vuggy silica rock to the east and west are not as highly FeOx-stained. The wall rock is Tertiary hypabyssal granitic rock. Sample 6114 is from a prospect pit on N15°W, 50°NE shear zone in a silicified ledge, containing heavy red-brown and yellow-brown gossan coatings on fractures, limonite points throughout, and some pyrite.

NO PROPERTY
611 Tally Ho claim
OTHER NAME(S)
North Extension of Reno Star Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au(?)	High sulfidation epithermal

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SE¼ Sec., 28, T20N, R20E	4392800	315170	11

PRODUCTION

HISTORY
Located by Mrs. Lilly Ramsey 24 Mar 1900

DEVELOPMENT
Shaft

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Bingler, 1973; Washoe County Mining Claims Records, 1896, 1897

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
611 Tally Ho claim

OTHER NAME(S)

North Extension of Reno Star Claim

GEOLOGY

Detailed geology is uncertain, but shaft is in altered Tertiary Alta Formation which consists of dark brown pyroxene andesite flows, flow breccia, and lahatic breccia that is commonly altered to tan rock composed of quartz, sericite, and clay minerals or propylitized to gray green rock containing chlorite, calcite, albite, epidote, and clay minerals.

NO PROPERTY
612 Lacreuse claim

OTHER NAME(S)

La Cruse Claim; South Extension of Lafayette Mine; Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
J. Miraman and Gabriel Lafaye (1914)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ NW¼ Sec., 22, T23N, R21E	4391000	312360	11
PRODUCTION			
HISTORY			
Located 7 Dec 1891 and relocated 7 Dec 1901 by Gabriel Lafaye. Became part of Adaline Mines claims, 1910, owned by J. Miraman and Gabriel Lafaye. Kept current through 1914.			
DEVELOPMENT			
One of 15 claims making up the "Adeline Mines".			
SAMPLE SITE(S)			
REMARKS			
UTMs from center of claim.			
REFERENCES			
Bonham and Papke, 1969; Boyle, undated a, undated b; Washoe County Mining Claims Records, 1891, 1910, 1914			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
612 Lacreuse claim

OTHER NAME(S)

La Cruse Claim; South Extension of Lafayette Mine; Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylitized dacite ash-flow tuff. Boyle (undated b) shows a 15 m wide "zone of alteration" trending east-southeast in the northwest half of the claim.

NO PROPERTY
613 La Cruse Extension claim

OTHER NAME(S)
Adeline Mines; Adeline Group; La Marche Adit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
J. Miraman and Gabriel Lafaye (1914)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ NW¼ Sec., 22, T23N, R21E	4385130	296260	11
PRODUCTION			
HISTORY			
Became part of Adaline Mines claims, 1910, owned by J. Miraman and Gabriel Lafaye. Kept current through 1914.			
DEVELOPMENT			
Contains La Marche Adit portal with a 100 m tunnel trending east-southeast. One of 15 claims making up the "Adeline Mines".			
SAMPLE SITE(S)			
REMARKS			
UTMs from site of La Marche adit.			
REFERENCES			
Bonham and Papke, 1969; Boyle, undated a, undated b; Washoe County Mining Claims Records, 1910, 1914			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
613 La Cruse Extension claim

OTHER NAME(S)

Adeline Mines; Adeline Group; La Marche Adit

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff. La Marche Adit lies in a 15 m wide "zone of alteration" trending east-southeast.

NO PROPERTY
292 Bradys Hot Springs
OTHER NAME(S)
Springer's Hot Springs; Fernley Hot Springs

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Leete	Churchill	Geothermal water	Hot Springs

QUAD SHEET			
Hot Springs Flat			

OWNERSHIP			
Brady Power Partners, c/o Geothermal Development Association			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 12, T22N, R26E	4384270	307360	11

PRODUCTION			
Gross production of 201,152 MWh in 1994.			

HISTORY			
Unsuccessfully used in 1880's to produce boric acid. Later used in a bathhouse. At least 14 wells drilled between late 1950's and 1990. The remainder were drilled after 1990. Power plant went on line in 1992.			

DEVELOPMENT			
At least 40 geothermal wells ranging from 103 to 2,218 m in secs. 1, 11, 12, and 13, T22N, R36E and sec. 31, T23N, R7E. ~25 MW geothermal power plant; onion-dehydration plant.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center of cluster of eight hot springs shown on Fireball Ridge 15' topographic quadrangle (1957).			

REFERENCES			
Garside and Schilling, 1979; Hess, 1994; NBMG geothermal well files; U.S. Bureau of Mines, 1995, Seq. 0320010237; Willden and Speed, 1974; Faulds and Garside, 2003			

FIELD EXAMINER(S)			
L.J. Garside, 2002			

OCCURRENCE			
Geothermal			

NO PROPERTY
292 **Bradys Hot Springs**

OTHER NAME(S)

Springer's Hot Springs; Fernley Hot Springs

GEOLOGY

The hot springs are located in Quaternary sinter and alluvium; they not presently flowing. These units overlie Miocene basalt and sedimentary rocks (Faulds and Garside, 2004). Thermal water is found over an area of 15-20 sq km around the springs. The thermal area is elongate parallel to the N- to NNE-trending Thermal Fault. The thermal water is of the sodium chloride type with 2,400 total dissolved solids present. The water temperature at 30 m within 2 km east and west of the springs varies between 30 and 136 °C, and the reservoir temperature may be over 200°C. Extensive deposits of opaline sinter are present with localized deposits of cinnabar and sulfur about a km east of the hot springs (Garside and Schilling, 1979). A ~25 Mw electric generation facility and an onion-dehydration plant are located at the geothermal area.

NO PROPERTY
293 Nezelda Mine(?)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Ag, Au, Pb, U(?)	Vein
QUAD SHEET			
Hot Springs Flat			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 19, T22N, R26E	4383870	307810	11
PRODUCTION			
Small(?) in 1880's. 20 tons of ore valued at \$30 per ton produced district-wide before 1940.			
HISTORY			
Mine located and worked for silver, gold , and copper in 1880's. Truckee District founded in 1930. About 20 tons of ore produced district-wide before 1940. Exploration conducted in the 1970's. Eagle-Picher completed 28 rotary holes by May 1983.			
DEVELOPMENT			
Area contains shallow pits and shafts with small dumps, several delapidated wooden buildings, adit used for sample storage, and two small headframes. Map shows six shafts and a building near center of section and 2 shafts in SW1/4, and 36 prospects.			
SAMPLE SITE(S)			
2879; 2880			
REMARKS			
UTMs taken from center of cluster of shafts.			
REFERENCES			
Bonham and others, 1985; Harlan, 1984; Hurley and others, 1982; Mason and others, 1995, Rec. M231034, M231085; U.S. Bureau of Mines, 1995, Seq. 0320010081, 0310010156, 0320010504, 0320010505; Willden and Speed, 1974			
FIELD EXAMINER(S)			
D. A. Davis, 8/12/99			
OCCURRENCE			
Metallic			

NO PROPERTY
293 Nezelda Mine(?)
OTHER NAME(S)

GEOLOGY

Outcrops in area of the Nezelda Mine appear to be largely basalt, commonly iron-stained and locally containing quartz veins and gossan. Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic metavolcanic pyroclastic(?) rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton. These rocks are overlain on the south and north ends by Tertiary volcanic rocks. Samples from this area contain gold ranging from a few hundredths to 100 ppm, the higher values being in altered and silicified rhyolite from the dumps near the center of the section. Silver tends to be less than 30 ppm, but several samples showed 0.5 to 3% copper and 3,000 to 70,000 ppm arsenic (Wilden and Speed, 1974). The mine workings expose a NE-trending fault zone of several en echelon segments in hornfels and slate paralleling andesitic dikes. Vuggy, cockscomb quartz is locally present along the silicified zone and areas display malachite and azurite staining. East-west cross structures cut the north-south and are filled with brecciated quartz vein material (Bonham, 1985). The east-west trending structures include the Nezelda fault, and the northeast-trending structures include the Fireball fault zone of Harlan (1984). The workings are largely in Triassic-Jurassic(?) chloritic phyllite and subordinate pyroxene hornfels, conglomerate, and black slate. To the south, these are in fault contact with Tertiary crystal and banded tuffs and porphyritic rhyodacite intrusions. The rocks are largely propylitized with zones of phyllic and silicic alteration (Harlan, 1984). Sample 2879 is a sample of altered volcanic rock and silicified shear zone material from along the crest of the ridge which contains arsenic, copper, silver, and possible gold in highly altered and oxidized zones. Sample 2880 is a sample from the dumps of the two southern shafts of highly oxidized and iron-stained material from the silicified zone in volcanic rock (Bonham and others, 1985). Harlan (1985) reported rock chips of jasperoid and silicified breccia in the immediate vicinity contain no to 0.35 oz per ton silver and no to 0.01 oz per ton gold. Chips of phyllite and slate contained no to 0.05 oz per ton silver, no to 0.06 oz per ton gold, and up to 100 ppm copper. One tuff sample contained 0.33 oz per ton silver (Harlan, 1984). Hurley and others (1982) report that some of the silicified tuff contains local radiometric readings up to 1000 cps, U3O8 assays up to 4 ppm, and eU of 153 ppm by gamma-ray spectroscopy. Samples 2879 and 2880 are silicified volcanic rocks from outcrops and dumps.

NO PROPERTY
294 Unnamed Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Ag(?), Cu(?), Pb(?)	Vein

QUAD SHEET			
Hot Springs Flat			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 8, T23N, R26E	4383260	308220	11

PRODUCTION			
Small(?). 20 tons of ore valued at \$30 per ton produced district-wide before 1940.			

HISTORY			
Truckee District founded in 1930. About 20 tons of ore produced district-wide before 1940. Newmont, American Selco, and Occidental Minerals conducted exploration in the 1970's. Eagle-Picher drilled completed 28 rotary drill holes by May 1983.			

DEVELOPMENT			
Four shafts, one tunnel, several rotary drill holes, and at least a dozen prospects.			

SAMPLE SITE(S)			
2881			

REMARKS			
UTMs taken from center of cluster of shafts.			

REFERENCES			
Bonham and others, 1985; Harlan, 1984; U.S. Bureau of Mines, 1995, Seq. 0320010506; Willden and Speed, 1974			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Metallic			

NO PROPERTY
294 Unnamed Mine

OTHER NAME(S)

GEOLOGY

Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic pyroclastic(?) metavolcanic rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton (Willden and Speed, 1974). The rocks are largely a Triassic-Jurassic(?) chloritic phyllite unit that consists of olive to light gray, very fine-grained phyllite and schist with a well developed slaty cleavage. The phyllite is locally intercalated with greenschist, metagraywacke(?), and spotted schist, and consists of quartz, chlorite, sericite, chloritoid, clay, and detrital(?) plagioclase. The phyllite also contains scattered, thick lenses of generally well-foliated metaconglomerate containing flattened rounded to subangular pebbles of andesite, dacite, and diorite in a fine-grained quartz, chlorite, and clay matrix. The phyllite is intruded by dark green to black, fine-grained, porphyritic andesine-biotite-hornblende dikes and is partially covered with a Tertiary white, porphyritic, microcrystalline to very fine-grained, moderately to strongly welded, Tertiary rhyolite tuff. The alteration is largely propylitic with some argillic, phyllic, and silicic zones (Harlan, 1984). Sample 2881 is a select sample of vein material containing copper, lead, magnetite, and minor silver (Bonham and others, 1985). Several quartz vein chip samples in the vicinity of the shafts contained copper and iron mineralization, galena, and some chalcopyrite and chalcocite and had assays of 4-8.2 oz. per ton silver and no to 0.01 oz per ton gold. Rock chip samples of the surrounding phyllite and other rocks contained assays of no to 0.27 oz per ton silver, no to 0.01 oz per ton gold, and up to 100 ppm copper (Harlan, 1984).

NO PROPERTY
295 Erway Quicksilver property
OTHER NAME(S)
Pursuit, Mercury Hot Springs, Desert Knob, and Kemp claims

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Leete	Churchill	Hg	Hot springs

QUAD SHEET			
Hot Springs Flat			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 12, T22N, R26E	4384670	310670	11

PRODUCTION
None.

HISTORY
Claims staked by G. W. Erway in 1943. Pits and drill holes done prior to 1944 (Bailey and Phoenix, 1944).

DEVELOPMENT
Shallow pits and old drill holes.

SAMPLE SITE(S)

REMARKS
Location estimated from descriptions in Bailey (undated).

REFERENCES
Bonham and others, 1985; Garside and Schilling, 1979; Willden and Speed, 1974; Bailey, undated; Faulds and Garside, 2003

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
295 Erway Quicksilver property

OTHER NAME(S)

Pursuit, Mercury Hot Springs, Desert Knob, and Kemp claims

GEOLOGY

Extensive deposits of opalline sinter related to Brady's Hot Springs crop out sporadically (Faulds and Garside, 2003) for over 4 km along a N20°E fault (the Brady Thermal fault). Cinnabar, along with sulfur and gypsum are reported from silicified and clay altered rocks. Probably the mineralization is mainly in the hot spring deposits themselves, particularly sinter. The thermal water is of the sodium chloride type with 2,400 total dissolved solids present. The water temperature at 30 m within 2 km east and west of the springs varies between 30 and 136°C, and the reservoir temperature may be over 200°C (Garside and Schilling, 1979).

NO PROPERTY
296 Unnamed Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Au(?), Cu(?)	Unknown

QUAD SHEET			
Telephone Well			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 5, T23N, R26E	4417610	321680	11

PRODUCTION
None(?). 20 tons of ore valued at \$30 per ton produced district-wide before 1940.

HISTORY
Truckee District founded in 1930. About 20 tons of ore produced district-wide before 1940. Newmont, American Selco, and Occidental Minerals conducted exploration in the 1970's. Eagle-Picher drilled completed 28 rotary drill holes by May 1983.

DEVELOPMENT
Small shaft.

SAMPLE SITE(S)
2882

REMARKS

REFERENCES
Bonham and others, 1985; Harlan, 1984; U.S. Bureau of Mines, 1995, Seq. 0320010507; Willden and Speed, 1974

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
296 Unnamed Mine

OTHER NAME(S)

GEOLOGY

Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic metavolcanic pyroclastic(?) rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton. Quartz veins, one massive calcite vein, and iron-stained shear zones cut the pre-Tertiary rocks around the margins of the pluton, but the metallic mineralization appears marginal (Willden and Speed, 1974). The shaft is near the contact of the Triassic-Jurassic(?) chloritic phyllite and the Cretaceous(?) granodiorite intruding it. The phyllite unit is propylitically altered and largely consists of olive to light gray, very fine-grained chlorite and schist with a well developed slaty cleavage. The phyllite is locally intercalated with greenschist, metagraywacke(?), and spotted schists, and consists of quartz, chlorite, sericite, chloritoid, clay and detrital(?) plagioclase. The granodiorite is light gray to green, medium-grained, and equigranular to slightly porphyritic (Harlan, 1984). Sample 2882 is a sample of weakly mineralized metasedimentary rock explored by the shaft (Bonham and others, 1985).

NO PROPERTY
297 Unnamed Mine
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Truckee		Churchill	Ag(?), Au(?), Cu, Pb		Vein
QUAD SHEET					
Telephone Well					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 6, T23N, R26E		4415390	321010	11	
PRODUCTION					
None(?). 20 tons of ore valued at \$30 per ton produced district-wide before 1940.					
HISTORY					
Truckee District founded in 1930. About 20 tons of ore produced district-wide before 1940. Newmont, American Selco, and Occidental Minerals conducted exploration in the 1970's. Eagle-Picher drilled completed 28 rotary drill holes by May 1983.					
DEVELOPMENT					
Two shafts and several prospects.					
SAMPLE SITE(S)					
2883					
REMARKS					
REFERENCES					
Bonham and others, 1985; Harlan, 1984; U.S. Bureau of Mines, 1995, Seq. 0320010508; Willden and Speed, 1974					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
297 Unnamed Mine

OTHER NAME(S)

GEOLOGY

Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic metavolcanic pyroclastic(?) rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton. Quartz veins, one massive calcite vein, and iron-stained shear zones cut the pre-Tertiary rocks around the margins of the pluton, but metallic mineralization appears marginal (Willden and Speed, 1974). The shafts are in predominantly Triassic-Jurassic(?) metafelsite consisting of light gray to white, very fine-grained, metatuff and related epiclastic rocks with relict eutaxitic textures and anhedral quartz and kaolinized feldspar phenocrysts. The metafelsite is intruded by dark green to black, fine-grained, porphyritic andesine-biotite-hornblende dikes and probable co-genetic light gray to tan, fine-grained, equigranular to porphyritic dacitic dikes containing argillized plagioclase and biotite, amphibole, and pyroxene altered to chlorite, epidote, and smectite. The metafelsite is also intruded by light gray to green, medium-grained granodiorite. The rock is largely propylitized, but contains zones of argillic and silicic alteration (Harlan, 1984). Sample 2883 is a select sample from a 60 cm wide quartz vein with minor copper, galena, pyrite, and possible silver and gold from an open stope (Bonham and others, 1985). Harlan (1984) reported one nearby rock chip sample of quartz vein with galena, chalcopyrite, and pyrite contained 0.01 oz. per ton gold and 8.35 oz per ton silver. However, several samples of felsite contained only 0.03-0.04 oz per ton silver and a trace or no gold.

NO PROPERTY
298 West Zone prospect
OTHER NAME(S)
WJS

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Jessup	Churchill	Au(?)	Vein
QUAD SHEET			
Telephone Well			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 35, T24N, R26E	4415250	321830	11
PRODUCTION			
None(?).			
HISTORY			
Jessup District founded in 1908.			
DEVELOPMENT			
One shafts and several prospects.			
SAMPLE SITE(S)			
2878			
REMARKS			
REFERENCES			
Bonham and others, 1985; U.S. Bureau of Mines, 1995, Seq. 0320010552; Willden and Speed, 1974			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
298 West Zone prospect

OTHER NAME(S)
WJS

GEOLOGY

This area largely consists of pre-Tertiary metavolcanic and metasedimentary rocks overlain by Miocene to Pliocene dacite flows and basalt. The shaft appears to be within the metavolcanic rocks (Willden and Speed, 1974). Sample 2878 is a sample of partly brecciated quartz vein with iron stain and minor sulfides from a shallow prospect (Bonham and others, 1985).

NO PROPERTY
299 Hot Streak prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Jessup	Churchill	Au(?)	Vein
QUAD SHEET			
Telephone Well			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 36, T24N, R26E	4392500	263820	11
PRODUCTION			
None(?).			
HISTORY			
Jessup District founded in 1908.			
DEVELOPMENT			
Two shafts and several prospects.			
SAMPLE SITE(S)			
2877			
REMARKS			
UTMs taken from sample site. 0320010496 is mislocated in MASMILS.			
REFERENCES			
Bonham and others, 1985; U.S. Bureau of Mines, 1995, Seq. 0320010496, 0320010521; Willden and Speed, 1974			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
299 **Hot Streak prospect**
OTHER NAME(S)

GEOLOGY

This area largely consists of pre-Tertiary metavolcanic and metasedimentary rocks overlain by Miocene to Pliocene dacite flows and basalt. The shaft appears to be within the metavolcanic rocks (Willden and Speed, 1974). Sample 2877 consists of vein quartz and metasedimentary rock; silver mineralization may be associated with minor brecciation in highly altered quartz veins (Bonham and others, 1985).

NO PROPERTY
300 Hot Springs pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Leete	Churchill	Gravel	Sedimentary

QUAD SHEET			
Hot Springs Flat			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 12, T22N, R26E	4386745	261170	11

PRODUCTION			
Small.			

HISTORY			
Pit started before 1954. 1978: Operated by George Mull Construction Co. In 1999 appeared overgrown and not in use for a very long.			

DEVELOPMENT			
Gravel pit covering about about 11 ha. in 1986. No access in 1999.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center of pit.			

REFERENCES			
Nevada State Inspector of Mines, 1979; U.S. Bureau of Mines, 1995, Seq. 0320010301; U.S. Geological Survey, 1954 (aerial photograph 1-9); Willden and Speed, 1974			

FIELD EXAMINER(S)			
D. A. Davis, 8/3/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
300 **Hot Springs pit**
OTHER NAME(S)

GEOLOGY

The pit is located in Quaternary alluvium (Faulds and Garside, 2003). The area is presently part of a geothermal power facility.

NO PROPERTY
301 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Leete	Churchill	Gravel	Sedimentary

QUAD SHEET			
Hot Springs Flat			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 14, T22N, R26E	4378320	261130	11

PRODUCTION			
Small.			

HISTORY			
Pre-1974. On USGS aerial photograph VDOS 1-134, 1974.			

DEVELOPMENT			
Gravel pit covering about 5 ha. in 1986.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center of pit.			

REFERENCES			
Willden and Speed, 1974			

FIELD EXAMINER(S)			
L.J. Garside, 9/2/2004			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
301 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Pit lies in alluvium consisting of Quaternary Lake Lahontan beach gravels (Faulds and Garside, 2003).

NO PROPERTY
302 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Leete	Churchill	Gravel	Sedimentary

QUAD SHEET			
Hot Springs Flat			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 14, N½ Sec. 23, T22N, R26	4401062	267165	11

PRODUCTION			
Small ?			

HISTORY			
Pre-1974. On USGS aerial photograph VDOS 1-134, 1974. Not in operation in 1999.			

DEVELOPMENT			
Gravel pit covering about 5 ha. in 1986. In 1999 contained several small piles of road metal. The development is mainly a trench through a beach ridge.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center of pit.			

REFERENCES			
Willden and Speed, 1974			

FIELD EXAMINER(S)			
D. A. Davis, 8/3/99, 8/26/1999; L.J. Garside, 9/2/2004			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
302 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

Exposures mostly of pebble and cobble gravel, which are beach gravels of Quaternary Lake Lahontan (Faulds and Garside, 2003). 1974).

NO PROPERTY
303 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Leete	Churchill	Gravel	Sedimentary
QUAD SHEET			
Eagle Rock			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec 28, N½ Sec. 33, T22N, R26	4401300	267650	11
PRODUCTION			
Small.			
HISTORY			
Pre-1954. On USGS aerial photograph VEU 1-11, 1954. 1999 partly overgrown and appears not to have been in operation for a very long time.			
DEVELOPMENT			
Gravel pit covering about 19 ha. in 1985. NE and SW ends are quarried but center appears only scraped.			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from center of pit.			
REFERENCES			
Willden and Speed, 1974			
FIELD EXAMINER(S)			
D. A. Davis, 8/12/1999			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
303 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

The pit is in Quaternary pediment gravels (Willden and Speed, 1974).

NO PROPERTY
304 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Leete	Churchill	Gravel	Sedimentary

QUAD SHEET			
Eagle Rock			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec 5, T21N, R26E	4402320	266950	11

PRODUCTION			
Small.			

HISTORY			
Pre-1974. On USGS aerial photograph VDOS 3-132, 1974.			

DEVELOPMENT			
Gravel pit covering about 3 ha. in 1985.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center of pit.			

REFERENCES			
U.S. Bureau of Mines, 1995, Seq. 0320010226; Willden and Speed, 1974			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
304 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

The pit is in Quaternary pediment gravels (Willden and Speed, 1974).

NO PROPERTY
305 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Leete	Churchill	Gravel	Sedimentary

QUAD SHEET			
Eagle Rock			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec 7, T21N, R26E	4398090	270290	11

PRODUCTION
Small.

HISTORY
Pre-1954. On USGS aerial photograph VEU 1-44, 1954. 1999: no access from highway and appears overgrown and not to have been in use for a very long time.

DEVELOPMENT
Gravel pit covering about 2 ha. in 1985.

SAMPLE SITE(S)

REMARKS
UTMs taken from center of pit.

REFERENCES
Willden and Speed, 1974

FIELD EXAMINER(S)
D. A. Davis, 8/12/1999

OCCURRENCE
Nonmetallic

NO PROPERTY
305 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

The pit is in Quaternary pediment gravels (Willden and Speed, 1974).

NO PROPERTY
306 Unnamed gravel pit
OTHER NAME(S)
Borrow pit

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Churchill	Gravel		Sedimentary
QUAD SHEET					
Eagle Rock					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
S½ Sec 12, T21N, R25E		4398550	270550	11	
PRODUCTION					
Small.					
HISTORY					
Pre-1954. On USGS aerial photograph VEU 1-45, 1954.					
DEVELOPMENT					
Gravel pit covering about 10 ha. in 1985.					
SAMPLE SITE(S)					
REMARKS					
UTMs taken from center of pit.					
REFERENCES					
U.S. Bureau of Mines, 1995, Seq. 0320010121; Willden and Speed, 1974					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
306 **Unnamed gravel pit**

OTHER NAME(S)

Borrow pit

GEOLOGY

Pit is in Quaternary alluvium consisting of Pleistocene Lake Lahontan deposits, playa deposits, and young fan gravels (Willden and Speed, 1974).

NO PROPERTY
307 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Gravel	Sedimentary

QUAD SHEET			
Two Tips			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 22, T21N, R25E	4400443	268094	11

PRODUCTION			
Small.			

HISTORY			
Pit started before 1974.			

DEVELOPMENT			
Gravel pit covering about 6 ha. in 1985.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center of pit.			

REFERENCES			
U.S. Geological Survey, 1974 (aerial photograph 3-13); Willden and Speed, 1974			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
307 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

Pit is in Quaternary alluvium consisting of Pleistocene Lake Lahontan deposits, playa deposits, and young fan gravels (Willden and Speed, 1974).

NO PROPERTY
308 Cerrasola Pit
OTHER NAME(S)
Highfield Corp. pit; Sierra Sola Pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Gravel	Sedimentary

QUAD SHEET			
Two Tips			

OWNERSHIP			
Highfield Corp. (1998)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 33, T21N, R25E	4400190	269700	11

PRODUCTION			
Small.			

HISTORY			
Pit started before 1974. 1992: Operated by Vaughn Construction Co. 1993-1999: Operated by Highfield Corp.			

DEVELOPMENT			
Gravel pit covering about 1 ha. in 1985. 1999: not mining and had no crusher, but was loading trucks with stockpiled material.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center of pit. Northwest third of pit is in Washoe County.			

REFERENCES			
Nevada State Inspector of Mines, 1993, 1994, 1995, 1996, 1998, 2000, 2002; U.S. Geological Survey, 1974 (aerial photograph 3-13); Willden and Speed, 1974			

FIELD EXAMINER(S)			
D. A. Davis, 8/3/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
308 Cerrasola Pit
OTHER NAME(S)
Highfield Corp. pit; Sierra Sola Pit

GEOLOGY

Pit is in Quaternary alluvium consisting of Pleistocene Lake Lahontan deposits, playa deposits, and young fan gravels (Willden and Speed, 1974).

NO PROPERTY
309 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary
QUAD SHEET			
Fernley West			
OWNERSHIP			
Art Wilson (2005)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 23, T20N, R23E	4399210	270770	11
PRODUCTION			
Small.			
HISTORY			
Pit started between 1956 and 1959			
DEVELOPMENT			
Gravel pit covering about 4 ha. in 1985.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Nevada Department of Transportation, 1959b (aerial photograph 42-1); U.S. Geological Survey, 1956 (aerial photograph 224); Washoe County Assessor, 2005, APN 8414015			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
309 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

Pit is in Quaternary alluvium consisting of stream deposits, talus, slope wash and alluvial fan deposits, (Bonham and Papke, 1969).

NO PROPERTY

310 Fernley pit

OTHER NAME(S)

Lyon County Road District No. 1 Fernley Pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Gravel	Sedimentary

QUAD SHEET

Fernley East

OWNERSHIP

Gopher Construction Co. (2004)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 24, T20N, R24E	4401090	268100	11

PRODUCTION

Small.

HISTORY

Pit started before 1954. Lyon County Road District No. 1, Fernley Pit in 1977, 1978. 1993: Operated by Gopher Construction Co.

DEVELOPMENT

Three gravel pits covering a total of about 14 ha. in 1985.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of cluster of pits.

REFERENCES

Nevada State Inspector of Mines, 1976, 1978, 1979, 1983, 1994, 1995, 1996, 1998, 2000, 2001, 2002, 2003, 2004; Moore, 1969; U.S. Bureau of Mines, 1995, Seq. 0320190156; U.S. Geological Survey, 1954 (aerial photograph 2-42)

FIELD EXAMINER(S)

D. A. Davis, 7/20/1999

OCCURRENCE

Nonmetallic

NO PROPERTY

310 Fernley pit

OTHER NAME(S)

Lyon County Road District No. 1 Fernley Pit

GEOLOGY

Pits are in Quaternary alluvium consisting of alluvial fan gravel, stream-laid gravel, sand, and silt, and talus material (Moore, 1969).

NO PROPERTY
311 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Lyon	Gravel		Sedimentary

QUAD SHEET					
Fernley East					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ Sec. 24, T20N, R24E		4382550	256680	11	

PRODUCTION					
Small.					

HISTORY					
Pre-1974. On USGS aerial photograph VDOS 3-15, 1974. Not in operation in 1999.					

DEVELOPMENT					
One gravel pit covering about 1 ha. in 1985.					

SAMPLE SITE(S)					

REMARKS					
UTMs taken from center pit.					

REFERENCES					
Moore, 1969					

FIELD EXAMINER(S)					
D. A. Davis, 7/20/1999					

OCCURRENCE					
Nonmetallic					

NO PROPERTY
311 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

Pit is in Quaternary alluvium consisting of alluvial fan gravel, stream-laid gravel, sand, and silt, and talus material (Moore, 1969).

NO PROPERTY
312 Null Lane pit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Lyon	Gravel		Sedimentary
QUAD SHEET					
Fernley East					
OWNERSHIP					
Gopher Construction Co.					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 24, T20N, R24E		4383000	256630	11	
PRODUCTION					
Small.					
HISTORY					
Pits stated before 1980. 1995-2004: Operated by Gopher Construction Co.					
DEVELOPMENT					
One gravel pit covering about 3 ha. in 1985.					
SAMPLE SITE(S)					
REMARKS					
UTMs taken from center pit.					
REFERENCES					
Bell, 1980 (aerial photograph 1-880); Nevada State Inspector of Mines, 1996, 2000, 2001, 2002, 2003, 2004; Moore, 1969					
FIELD EXAMINER(S)					
D. A. Davis, 7/20/1999					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
312 Null Lane pit
OTHER NAME(S)

GEOLOGY

Pit is in Quaternary alluvium consisting of alluvial fan gravel, stream-laid gravel, sand, and silt, and talus material (Moore, 1969).

NO PROPERTY
313 Unnamed gravel pits
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Gravel	Sedimentary

QUAD SHEET			
Fernley East			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 17, NW¼ Sec. 20, T20N,	4387310	256800	11

PRODUCTION
Small.

HISTORY
Pre-1954. On USGS aerial photograph VEU 2-42, 1954. Active in 1999.

DEVELOPMENT
Two gravel pits covering about 2 ha. in 1985.

SAMPLE SITE(S)

REMARKS
UTMs taken from center between two pits.

REFERENCES
Moore, 1969

FIELD EXAMINER(S)
D. A. Davis, 7/27/1999

OCCURRENCE
Nonmetallic

NO PROPERTY
313 **Unnamed gravel pits**
OTHER NAME(S)

GEOLOGY

Pits are in Quaternary alluvium consisting of alluvial fan gravel, stream-laid gravel, sand, and silt, and talus material (Moore, 1969).

NO PROPERTY
314 Unnamed mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Au(?), Ag(?)	Vein
QUAD SHEET			
Telephone Well			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 5, T23N, R26E	4386890	257690	11
PRODUCTION			
None(?). 20 tons of ore valued at \$30 per ton produced district-wide before 1940.			
HISTORY			
Truckee District founded in 1930. About 20 tons of ore produced district-wide before 1940. Newmont, American Selco, and Occidental Minerals conducted exploration in the 1970's. Eagle-Picher drilled completed 28 rotary drill holes by May 1983.			
DEVELOPMENT			
Small shaft, two prospects.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Harlan, 1984; Willden and Speed, 1974			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
314 Unnamed mine

OTHER NAME(S)

GEOLOGY

Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic metavolcanic pyroclastic(?) rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton. Quartz veins, one massive calcite vein, and iron-stained shear zones cut the pre-Tertiary rocks around the margins of the pluton, but the metallic mineralization appears marginal (Willden and Speed, 1974). The shaft is in Triassic-Jurassic(?) pyroxene hornfels that is largely medium gray green and massive with 1-4 mm porphyroblasts of pyroxene partially replaced by chlorite, epidote, and calcite. The original rock may have been phyllite or meta-andesite. This unit is intruded by dark green to black, fine-grained, porphyritic andesitic dikes, and probable cogenetic light gray to tan, fine-grained, equigranular to porphyritic dacitic dikes. North-northeast-trending quartz and calcite veins are present, several chips of which contain 3.7-5.3 oz per ton silver but no gold (Harlan, 1984).

NO PROPERTY
315 Unnamed mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Au(?), Ag(?)	Vein

QUAD SHEET			
Hot Springs Flat			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW½ Sec. 8, T23N, R26E	4386890	257690	11

PRODUCTION
Small(?). 20 tons of ore valued at \$30 per ton produced district-wide before 1940.

HISTORY
Truckee District founded in 1930. About 20 tons of ore produced district-wide before 1940. Newmont, American Selco, and Occidental Minerals conducted exploration in the 1970's. Eagle-Picher drilled completed 28 rotary drill holes by May 1983.

DEVELOPMENT
One shaft and at least seven prospects.

SAMPLE SITE(S)

REMARKS

REFERENCES
Harlan, 1984; Willden and Speed, 1974

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
315 Unnamed mine

OTHER NAME(S)

GEOLOGY

Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic metavolcanic pyroclastic(?) rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton (Willden and Speed, 1974). The rocks are largely a Triassic-Jurassic(?) chloritic phyllite unit that consists of olive to light gray, very fine-grained phyllite and schist with a well developed slaty cleavage. The phyllite is locally intercalated with greenschist, metagraywacke(?), and spotted schist, and consists of quartz, chlorite, sericite, chloritoid, clay, and detrital(?) plagioclase. The phyllite also contains scattered, thick lenses of generally well-foliated metaconglomerate containing flattened rounded to subangular pebbles of andesite, dacite, and diorite in a fine-grained quartz, chlorite, and clay matrix. The phyllite also contains thick lenses of dark gray to green to black, microcrystalline slate with a well developed cleavage. The phyllite is intruded by dark green to black, fine-grained, porphyritic andesine-biotite-hornblende dikes and is largely propylitically altered with several small zones of phyllic alteration (Harlan, 1984). Several quartz vein chip samples in the vicinity of the shafts contained assays of 2.7-24.8 oz. per ton silver and 0.01-2 oz per ton gold. Some of these chips contained 1-2% pyrite, galena, and chalcopyrite. Rock chip samples of the surrounding phyllite and other rocks contained assays of trace to 0.9 oz per ton silver, no to trace gold (Harlan, 1984).

NO PROPERTY
316 Mineralized fault zone

OTHER NAME(S)

Rare Dime Nos. 1-6; FBS No. 6; FW Nos. 1-36

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Au, Ag	Mineralized fault zone
QUAD SHEET			
Hot Springs Flat			
OWNERSHIP			
T. A. Ehrhart, C. Mabarah, and J. V. Lebret (1981-1995)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 8, T23N, R26E	4387870	251720	11
PRODUCTION			
None.			
HISTORY			
FBS No. 6 located by Exploration Ventures and dropped 1989. T. A. Ehrhart, C. Mabarah, and J. V. Lebret located Rare Dime Nos. 1-6 in 1981, dropped in 1984; located FW Nos. 1-36, dropped 1991-95. Eagle-Picher rotary drilled 28 holes by May 1983.			
DEVELOPMENT			
Several prospects and rotary drill holes.			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from center of zone according to Harlan (1984).			
REFERENCES			
Harlan, 1984; U.S. Bureau of Land Management, 1997b; U.S. Bureau of Mines, 1995, Seq. 0320010574; Willden and Speed, 1974			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
316 Mineralized fault zone

OTHER NAME(S)

Rare Dime Nos. 1-6; FBS No. 6; FW Nos. 1-36

GEOLOGY

Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic metavolcanic pyroclastic(?) rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton (Willden and Speed, 1974). The rocks are largely a Triassic-Jurassic(?) chloritic phyllite unit that consists of olive to light gray, very fine-grained phyllite and schist with a well developed slaty cleavage overlain by a Tertiary unit of white, microcrystalline to very fine-grained, moderately to strongly welded porphyritic rhyolite tuff. The zone is along the northeast-trending Fireball fault of Harlan (1984) and consists of thick lenses of silicified breccia containing irregular quartz stockwork and jasperoid. A number of jasperoid chip samples contained assays of no to 0.34 oz. per ton silver and no to 0.3 oz per ton gold. Rotary drill holes in the fault zone produced values of up to 0.7 oz per ton silver and up to 0.49 oz per gold. Bornite was reported in hole F-1 (Harlan, 1984).

NO PROPERTY
317 AKM No. 48 Lode Claim

OTHER NAME(S)

Locality GC6n

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Cu	Unknown

QUAD SHEET

Reno NE

OWNERSHIP

T. M. McCord and R. Ketcham (1983)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SE ¼ SE ¼ Sec. 29, T21N, R20E	4384340	248760	11

PRODUCTION

None

HISTORY

AKM No. 48 located by T. McCord and R. Ketcham in 1983 as 1 of 24 claims.

DEVELOPMENT

One small prospect pit.

SAMPLE SITE(S)

REMARKS

Workings may predate this claim.

REFERENCES

Tingley and others, 1999; Washoe County Mining Claims Platt, 1983

FIELD EXAMINER(S)

L.J. Garside, 1996

OCCURRENCE

Metallic

NO PROPERTY
317 AKM No. 48 Lode Claim

OTHER NAME(S)

Locality GC6n

GEOLOGY

Rare copper pitch (tenorite?) and green copper stain are found coating fractures in Cretaceous(?) granodiorite.

NO PROPERTY
318 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Sand	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SW¼ Sec. 18, T20N, R20E	4386200	247220	11

PRODUCTION
Small

HISTORY
Pre-1956. On AMS air photo VVHY M2 AMS 160, frame 230, 1956

DEVELOPMENT
Three sand pits the largest of which covered about 3 ha. in 1967. As of 1999, the largest was being used as a place for motorcycles and go-carts and for flood water detention.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Bingler, 1973

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
318 **Unnamed sand pit**
OTHER NAME(S)

GEOLOGY

Pits are in Quaternary alluvium of weathered granitic sand.

NO PROPERTY
319 Isbell gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET
Reno

OWNERSHIP
FHR Corp. (2005)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 7, NE¼ Sec. 18, T19N, R20	4385840	247120	11

PRODUCTION
Large(?)

HISTORY
Pit started between 1939 and 1946. Referred to as Isbell Construction Company pit in Bonham and Papke (1969) 1978: MGM Hotel-Casino was built on site, and is now called the Reno Hilton.

DEVELOPMENT
Large pit covering about 50 ha. in 1966 and is now occupied by Reno Hilton Hotel-Casino and its associated pond.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Papke, 1969; Bonham and Bingler, 1973; U.S. Forest Service, 1939 (aerial photograph 18-23); U.S. Geological Survey, 1946 (aerial photograph 2-87)

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
319 Isbell gravel pit
OTHER NAME(S)

GEOLOGY

Pit is in Quaternary Tahoe Outwash consisting of boulder to cobble gravel, sandy gravel, and gravelly sand with rounded to subrounded rock clasts that are in decreasing order granitic, volcanic, and metamorphic.

NO PROPERTY
320 Locality GC61Ag
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Cu	Unknown

QUAD SHEET
Griffith Canyon

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SE¼ Sec. 34, T22N, R20E	4385380	246960	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Two small prospect pits.

SAMPLE SITE(S)
4190

REMARKS

REFERENCES
Tingley and others, 1999

FIELD EXAMINER(S)
L.J. Garside, 1996

OCCURRENCE
Metallic

NO PROPERTY
320 Locality GC61Ag
OTHER NAME(S)

GEOLOGY

Malachite and hematitic gossan occur with milky quartz vein material in Cretaceous(?) monzodiorite. Vein material is not exposed in pits, but is seen in a small pile of mineralized rock (sample 4190). Anomalous uranium (455 ppm) may be concentrated in the iron and copper oxide minerals; it could have been leached from nearby rhyolitic ash-flow tuffs.

NO PROPERTY
321 Locality GC67
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Cu		Quartz vein
QUAD SHEET					
Griffith Canyon					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ SW ¼ NW ¼ Sec. 35, T22N, R20		4385060	246880	11	
PRODUCTION					
Minor or none.					
HISTORY					
DEVELOPMENT					
Shallow shaft, caved to within 3 m of surface.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 1996					
OCCURRENCE					
Metallic					

NO PROPERTY
321 Locality GC67
OTHER NAME(S)

GEOLOGY

Sparse oxide copper minerals, predominantly malachite, occur with sparse, thin (about 1 cm), milky quartz veins and as fracture coatings. The malachite is apparently an oxidation product of bornite(?), which occurs with the vein quartz. Sparse limonite is present, in part pseudomorphous after pyrite. No mineralized structure was observed in the area of the shaft, but a linear, slightly bleached zone strikes N35°W toward an area of quartz veins (without copper).

NO PROPERTY
322 Daisy Mae No. 13

OTHER NAME(S)

Locality GC72

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Cu	Quartz veins
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
W.F.(?) Ash and H.M. Johnson (1955).			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE ¼ SW ¼ SE ¼ Sec. 27, T22N, R20	4386030	248130	11
PRODUCTION			
None(?)			
HISTORY			
Windlass on shaft has square nails, but Daisy Mae claim notice (August 14, 1955) is for U.			
DEVELOPMENT			
Several shallow prospect pits and one caved shaft with small dump. Estimated shaft total depth, 5 m.			
SAMPLE SITE(S)			
REMARKS			
Although the claim notice states the claim was for "lode uranium", samples collected from the site are not anomalously radioactive; the claim name was applied to uranium claims about 0.5 km northwest (no. 113).			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 1996			
OCCURRENCE			
Metallic			

NO PROPERTY
322 Daisy Mae No. 13

OTHER NAME(S)

Locality GC72

GEOLOGY

Malachite and copper pitch (probably tenorite) apparently as oxidation products or replacements of rare remnant chalcopryrite and pyrite(?) occur as coatings along fractures and joints in a highly sheared monzodiorite. The sulfides are apparently associated with milky quartz veins a few cm wide. The veins may be associated with the shear planes, which strike northerly and dip 25-30° east. Sparse iron oxides are found as well.

NO PROPERTY
323 Value No. 3 Lode Claim

OTHER NAME(S)

Locality GC103n

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Cu		Quartz vein
QUAD SHEET					
Griffith Canyon					
OWNERSHIP					
L. Hepfler (1972)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ NE ¼ Sec. 12, T21N, R20E		4386270	248140	11	
PRODUCTION					
None					
HISTORY					
Located in or before 1972 as one of 15 claims by L. Hepfler.					
DEVELOPMENT					
Single, 1 m deep prospect pit.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Tingley and others, 1999; Washoe County Mining Claim Platts, 1972					
FIELD EXAMINER(S)					
L.J. Garside, 1996					
OCCURRENCE					
Metallic					

NO PROPERTY
323 Value No. 3 Lode Claim

OTHER NAME(S)
Locality GC103n

GEOLOGY

Very sparse malachite and limonite were observed on joint and fracture surfaces and in association with spotty, narrow (1-2 cm), short quartz veins. No trend of the veins could be determined.

NO PROPERTY
324 Copper King Mine

OTHER NAME(S)
Copper Hill Group; Locality GC105g, Sugarloaf Peak area

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Cu, W	Quartz vein
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
Harve Nelson et al. (1955)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ NE¼ Sec. 12, T21N, R20E	4386420	248630	11
PRODUCTION			
None or minor			
HISTORY			
One of three claims located in 1955, kept current through 1959, and had locations amended in 1960. Most workings predate these claims. Exploration work done in 1957-1959.			
DEVELOPMENT			
Several short adits and shallow shafts along a zone about 600 m long.			
SAMPLE SITE(S)			
4191, 4533			
REMARKS			
Area of prospects includes NW/4 NW/4 Sec. 7, T21N, R21E. UTM coordinates are for shaft at Locality GC105g in Copper Hill No. 1. This property is incorrectly reported by Stager and Tingley (1988) to be in Sec. 31, T22N, R21E.			
REFERENCES			
Forootan, 1962; Mason and others, 1996, Rec. D011112; Stager and Tingley, 1988; Tingley, 1992; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 1996			
OCCURRENCE			
Metallic			

NO PROPERTY
324 Copper King Mine

OTHER NAME(S)

Copper Hill Group; Locality GC105g, Sugarloaf Peak area

GEOLOGY

Copper prospects are located along a N80°E, 55-72°S silicified fault and quartz vein zone which separates Mesozoic metavolcanic rocks on the north from Cretaceous(?) granodiorite on the south. Copper oxide minerals, including copper pitch (probably tenorite), malachite, and less azurite, as well as limonite, occur along fractures in the granodiorite. Remnants of chalcopyrite are observed in quartz vein material. The zone of veining is up to 10 m wide. The metavolcanic rocks are schistose, and altered to quartz-garnet-epidote skarn in a zone up to 30 m wide parallel to the mineralized fault. Minor amounts of scheelite have been reported from the skarn zone (Bonham and Papke, 1969). Tourmaline and quartz veining was noted in the footwall rocks, but is not associated with mineralization. Assays report up to 2% Cu and 0.6-1 oz per ton Ag. Reserve estimates for the Copper Hill Group in 1962 were 896,000 tons of 1.07% copper. Sample 4191 is grab of mineralized material from a dump. Sample 4533 collected from a short adit on Copper Hill No. 3.

NO PROPERTY
325 Locality GC111
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Cu	Mineralized shear zone
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SE ¼ SW ¼ Sec. 35, T22N, R20E	4386800	248070	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Short adit (caved) and two small prospect pits.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 1996			
OCCURRENCE			
Metallic			

NO PROPERTY
325 Locality GC111
OTHER NAME(S)

GEOLOGY

Minor amounts of green oxide copper minerals occur with iron oxides on fracture surfaces in dark gray Mesozoic meta-andesite. The prospects apparently explore a N85°W, 70°S 1 m wide shear zone. No quartz vein material or sulfides were observed, although epidote appears to be more common in the vicinity of the prospects.

NO PROPERTY
326 Locality GC114
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Cu	Fracture coatings
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE ¼ NE ¼ NW ¼ Sec. 1, T21N, R20E	4386950	248430	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Four shallow prospect pits.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 1996			
OCCURRENCE			
Metallic			

NO PROPERTY
326 Locality GC114
OTHER NAME(S)

GEOLOGY

Malachite and other colored oxide copper minerals occur as spotty fracture coatings in dark greenish gray meta-andesite.

NO PROPERTY
327 Locality GC122n
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Cu	Fracture coatings

QUAD SHEET
Griffith Canyon

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ Sec. 6, T21N, R21E	4386990	248530	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Three small prospect pits.

SAMPLE SITE(S)

REMARKS

REFERENCES
Tingley and others, 1999

FIELD EXAMINER(S)
L.J. Garside, 1996

OCCURRENCE
Metallic

NO PROPERTY
327 Locality GC122n
OTHER NAME(S)

GEOLOGY

Sparse colored oxide copper minerals occur on fracture surfaces in Mesozoic meta-andesite at one prospect pit. In two other pits ~100 m to the west, limonite after pyrite occurs along fractures.

NO PROPERTY
328 Locality GC126
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Cu	Quartz vein
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE ¼ NE ¼ SW ¼ Sec. 35, T22N, R20	4387270	247660	11
PRODUCTION			
None or very minor.			
HISTORY			
DEVELOPMENT			
Two shafts, 10 m and 15 m deep; a short (15? m) adit, which is open at the portal.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 1996			
OCCURRENCE			
Metallic			

NO PROPERTY
328 Locality GC126
OTHER NAME(S)

GEOLOGY

Sparse, spotty green oxide copper minerals are disseminated in Mesozoic meta-andesite, which occurs as a small pendant in Cretaceous(?) monzodiorite. Rare quartz vein material was observed.

NO PROPERTY
329 Mayflower Company

OTHER NAME(S)
Copper King lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 34, T20N, R19E	4387460	248210	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867 by Mayflower Co.(?) as south half of the Copper King lode.			
DEVELOPMENT			
Location on Hatch (1867)			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Bingler, 1973; Hatch, 1867			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
329 Mayflower Company

OTHER NAME(S)
Copper King lode

GEOLOGY

Mineralization may be related to that of 60 and 65(?). Copper King lode is about 1040 m long and strikes north-northwest and is on strike with Locality 60. The detailed geology is uncertain, but the lode is largely in Tertiary Alta Formation, which consists of dark brown pyroxene andesite flows, flow breccia, and laharic breccia commonly altered to tan rock consisting of quartz, sericite, and clay minerals or propylitized to gray-green rock containing chlorite, calcite, albite, epidote, and clay minerals (Bonham and Bingler, 1973).

NO PROPERTY
330 Union Company
OTHER NAME(S)
Copper King lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET
Reno

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 27, T20N, R19E	4387840	248320	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867 by Union Co.(?) as north half of Copper king lode.

DEVELOPMENT
Location on Hatch (1867)

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Bingler, 1973; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
330 **Union Company**

OTHER NAME(S)
Copper King lode

GEOLOGY

Mineralization may be related to that of 60(?). Copper King lode is about 1040 m long and strikes north-northeasterly and is on strike with 60. The detailed geology is uncertain, but the lode is largely in Tertiary Alta Formation, which consists of dark brown pyroxene andesite flows, flow breccia, and laharic breccia commonly altered to tan rock consisting of quartz, sericite, and clay minerals or propylitized to gray-green rock containing chlorite, calcite, albite, epidote, and clay minerals (Bonham and Bingler, 1973).

NO PROPERTY
331 Shakespeare Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu(?)	Unknown

QUAD SHEET
Reno

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 15, T20N, R19E	4388100	247900	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Bingler, 1973; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
331 Shakespeare Lode
OTHER NAME(S)

GEOLOGY

Mineralization may be related to 109(?). Lode is about 730 m long with a northwesterly trend. The detailed geology is uncertain, but the lode is partly in Mesozoic gray hornblende-biotite granodiorite with local deuteric alteration, including replacement of the plagioclase by epidote, calcite, and sericite, and hornblende by actinolite and chlorite. The lode is also partly in Mesozoic Peavine sequence rocks consisting of gray-green metavolcanic rocks and subordinate amounts of epiclastic sedimentary rocks. The metavolcanic rocks consist largely of rhyolite flows and pyroclastics and dacite to andesite flows and laharic breccias (Bonham and Bingler, 1973).

NO PROPERTY
332 Sheridan Company

OTHER NAME(S)

Deposit lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu(?)	Unknown

QUAD SHEET

Reno

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 14, T20N, R19E	4388400	247600	11

PRODUCTION

Unknown

HISTORY

Located prior to 1867 by Sheridan Co.(?) as north half of Deposit lode.

DEVELOPMENT

Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES

Bonham and Bingler, 1973; Hatch, 1867

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
332 **Sheridan Company**

OTHER NAME(S)

Deposit lode

GEOLOGY

Mineralization may be related to 109(?). Lode is about 610 m long with a northwesterly trend. The detailed geology is uncertain, but the lode is in Mesozoic gray hornblende-biotite granodiorite with local deuteric alteration replacement of the plagioclase with epidote, calcite, and sericite and hornblende to actinolite and chlorite (Bonham and Bingler, 1973).

NO PROPERTY
333 Boston Company

OTHER NAME(S)

Deposit lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu(?)	Unknown

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 14, T20N, R19E	4388560	246940	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867 by Boston Co.(?) as south half of Deposit lode.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Bingler, 1973; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
333 Boston Company

OTHER NAME(S)

Deposit lode

GEOLOGY

Mineralization may be related to 110(?). Lode is about 610 m long with a northwesterly trend. The detailed geology is uncertain, but the lode is in Mesozoic gray hornblende-biotite granodiorite with local deuteric alteration replacement of the plagioclase to epidote, calcite, and sericite and hornblende to actinolite and chlorite (Bonham and Bingler, 1973).

NO PROPERTY
334 Washington Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 7, NW1¼ Sec. 18, T20N,	4388480	247110	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
334 Washington Lode
OTHER NAME(S)

GEOLOGY

Lode is about 730 m long with a northwesterly trend. The detailed geology is uncertain, but the lode is in Mesozoic greenish-gray, medium-grained hypidiomorphic-granular to porphyritic granodiorite with mafic minerals altered to chlorite and epidote and plagioclase partly altered to white mica (Bell and Garside, 1987).

NO PROPERTY
335 Truckee Ophir Lode

OTHER NAME(S)
Haskins Ledge

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET			
Verdi			

OWNERSHIP			
United Brooklyn Gold and Silver Mining Co. (1875)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 26, T20N, R18E	4388520	247660	11

PRODUCTION
Unknown

HISTORY
Named for J. Haskins(?). Truckee Ophir Gold and Silver Mining Co., formed by 19 men 13 Oct 1864. Sold to C. Knust at sheriff's sale 4 Nov 1869. Sold to United Brooklyn Gold and Silver Mining Co. 14 Jun 1875. United Brooklyn went bankrupt in 1879.

DEVELOPMENT
Noted on Hatch's (1867) map. 1875: 60 m tunnel running towards ledge and 18 m shaft on or near ledge.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Hatch, 1867; Washoe County Record, 1864, 1865, 1870, 1875

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
335 Truckee Ophir Lode

OTHER NAME(S)
Haskins Ledge

GEOLOGY

Lode is about 850 m long with a northwesterly trend. The detailed geology is uncertain, but the lode is largely in Mesozoic Peavine sequence, which consists of undifferentiated, primarily intermediate composition volcanic rocks metamorphosed to greenschist facies (Bell and Garside, 1987).

NO PROPERTY
336 Lightning Company
OTHER NAME(S)
Magnetic Iron Lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Fe	Unknown

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 22, T20N, R18E	4388850	246520	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867 by the Lightning Co. as the north half of the north half of the Magnetic Iron Lode.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
336 Lightning Company

OTHER NAME(S)
Magnetic Iron Lode

GEOLOGY

Mineralization may be similar to 71(?). Lode is about 1.65 km long with a southeasterly trend. The detailed geology is uncertain, but the Lightning Co. part of the lode is largely in Mesozoic Peavine sequence, which here consists of light gray, locally flow-banded, felsic, sparsely porphyritic metavolcanic rock (Bell and Garside, 1987).

NO PROPERTY
337 Thunderbolt Company

OTHER NAME(S)
Magnetic Iron Lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Fe	Unknown

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ NE¼ Sec. 22, T20N, R18E	4388290	246370	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867 by the Thunderbolt Co. as the south half of the north half of the Magnetic Iron Lode.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
337 **Thunderbolt Company**

OTHER NAME(S)
Magnetic Iron Lode

GEOLOGY

Mineralization may similar to 71(?). Lode is about 1.65 km long with a northwesterly trend. The detailed geology is uncertain, but the Thunderbolt Co. part of the lode is largely in Mesozoic Peavine sequence, which consists of undifferentiated, primarily intermediate composition volcanic rocks metamorphosed to geenschist facies (Bell and Garside, 1987).

NO PROPERTY
338 Vulcan Company

OTHER NAME(S)
Magnetic Iron Lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Fe	Unknown

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SW¼ Sec. 22, T20N, R18E	4388080	246680	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867 by the Vulcan Co. as the north half of the south half of the Magnetic Iron Lode.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
338 **Vulcan Company**

OTHER NAME(S)
Magnetic Iron Lode

GEOLOGY

Mineralization may similar to 71(?). Lode is about 1.65 km long with a northwesterly trend. The detailed geology is uncertain, but the Vulcan Co. part of the lode is largely in Mesozoic Peavine sequence, which consists of undifferentiated, primarily intermediate composition volcanic rocks metamorphosed to geenschist facies (Bell and Garside, 1987).

NO PROPERTY
339 Official Company
OTHER NAME(S)
Magnetic Iron Lode

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Fe		Unknown

QUAD SHEET

Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SW ¼ Sec. 22, T20N, R18E	4389570	246000	11

PRODUCTION

Unknown

HISTORY

Located prior to 1867 by the Official Co. as the south half of the south half of the Magnetic Iron Lode.

DEVELOPMENT

Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES

Bell and Garside, 1987; Hatch, 1867

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
339 Official Company

OTHER NAME(S)
Magnetic Iron Lode

GEOLOGY

Mineralization may similar to 71(?). Lode is about 1.65 km long with a northwesterly trend. The detailed geology is uncertain, but the Official Co. part of the lode is largely in Mesozoic gray, medium-grained hornblende-biotite and biotite-hornblende granodiorite (Bell and Garside, 1987).

NO PROPERTY
340 Pioneer Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu(?), Fe(?)	Unknown

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 23, T20N, R18E	4390110	246070	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
340 **Pioneer Lode**

OTHER NAME(S)

GEOLOGY

Mineralization may similar to 235(?). The detailed geology is uncertain, but the lode is about 610 m long with a north-northwesterly trend and is along trend with with 235. The lode is largely in Mesozoic Peavine sequence which consists of undifferentiated, primarily intermediate composition volcanic rocks metamorphosed to greenschist facies (Bell and Garside, 1987).

NO PROPERTY
341 Palmetto Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 14, NW¼ Sec. 23, T20N,	4390610	249780	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Hatch, 1867			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
341 Palmetto Lode

OTHER NAME(S)

GEOLOGY

Lode is about 585 m long with a northwesterly trend. The detailed geology is uncertain, but the lode is partly in Mesozoic Peavine sequence that consists of light gray, locally flow-banded, sparsely porphyritic, felsic metavolcanic rock and partly in undifferentiated Mesozoic Peavine sequence which consists of undifferentiated, primarily intermediate composition volcanic rocks metamorphosed to greenschist facies (Bell and Garside, 1987).

NO PROPERTY
342 Victor Lode
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au(?), Cu(?)		Unknown
QUAD SHEET					
Verdi					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ Sec. 14, N½ Sec. 23, T20N, R1		4391290	249300	11	
PRODUCTION					
Unknown					
HISTORY					
Located prior to 1867.					
DEVELOPMENT					
Location on Hatch (1867).					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Bell and Garside, 1987; Hatch, 1867					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY

342 Victor Lode

OTHER NAME(S)

GEOLOGY

Lode is about 490 m long with a curving northwesterly trend. The detailed geology is uncertain, but the lode is in Mesozoic Peavine sequence consists of light gray, locally flow-banded, sparsely porphyritic, felsic metavolcanic rock (Bell and Garside, 1987).

NO PROPERTY
343 Lone Star Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 14, T20N, R18E	4391410	249420	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
343 **Lone Star Lode**
OTHER NAME(S)

GEOLOGY

Lode is about 610 m long with a northwesterly trend. The detailed geologys is uncertain, but the lode is in Mesozoic Peavine sequence consists of light gray, locally flow-banded, sparsely porphyritic, felsic metavolcnaic rock (Bell and Garside, 1987).

NO PROPERTY
344 Yuba Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 14, T20N, R18E	4391069	249473	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Hatch, 1867			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY

344 Yuba Lode

OTHER NAME(S)

GEOLOGY

Lode is about 610 m long with a curving north-northwesterly trend. The detailed geology is uncertain, but the lode is in Mesozoic Peavine sequence consists of light gray, locally flow-banded, sparsely porphyritic, felsic metavolcanic rock (Bell and Garside, 1987).

NO PROPERTY
345 Peacock Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET			
Verdi			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 14, T20N, R18E	4392020	248740	11

PRODUCTION			
Unknown			

HISTORY			
Located prior to 1867.			

DEVELOPMENT			
Location on Hatch (1867).			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bell and Garside, 1987; Hatch, 1867			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Metallic			

NO PROPERTY
345 Peacock Lode

OTHER NAME(S)

GEOLOGY

Lode is about 610 m long with a curving north-northwesterly trend. The detailed geology is uncertain, but the lode is in Mesozoic Peavine sequence consists of light gray, locally flow-banded, sparsely porphyritic, felsic metavolcanic rock (Bell and Garside, 1987).

NO PROPERTY
346 Daniel Webster Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu(?)	Unknown

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 14, E½ Sec. 15, T20N, R18	4393190	246660	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
346 Daniel Webster Lode

OTHER NAME(S)

GEOLOGY

Mineralization may similar to 232(?). Lode is about 730 m long with a curving west-northwesterly trend. The detailed geologys is not know, but the lode is in Mesozoic Peavine sequence consists of light gray, locally flow-banded, sparsely porphyritic, felsic metavolcnaic rock (Bell and Garside, 1987).

NO PROPERTY
347 San Francisco Lode
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au(?), Cu(?)		Unknown
QUAD SHEET					
Verdi					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NW¼ Sec. 14, T20N, R18E		4392440	246900	11	
PRODUCTION					
Unknown					
HISTORY					
Located prior to 1867.					
DEVELOPMENT					
Location on Hatch (1867).					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Bell and Garside, 1987; Hatch, 1867					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
347 **San Francisco Lode**

OTHER NAME(S)

GEOLOGY

Lode is about 490 m long with a curving west-northwesterly trend. The detailed geologys is not know, but the lode is in Mesozoic Peavine sequence consists of light gray, locally flow-banded, sparsely porphyritic, felsic metavolcnaic rock (Bell and Garside, 1987).

NO PROPERTY
348 Persia Company
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 14, T20N, R18E	4392210	247640	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Hatch, 1867			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
348 Persia Company

OTHER NAME(S)

GEOLOGY

Lode is about 610 m long with a northwesterly trend and adjoins the southeast end of the Peru Co. claims. The detailed geology is uncertain, but the lode is partly in Mesozoic Peavine sequence that consists of metamorphosed air-fall tuff, pyroclastic surge(?) deposits, and tuffaceous, massive to plane-bedded, medium gray, feldspathic sandstone and partly in undifferentiated Mesozoic Peavine sequence, which consists of undifferentiated, primarily intermediate composition volcanic rocks metamorphosed to greenschist facies (Bell and Garside, 1987).

NO PROPERTY
349 Peru Company
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 10, SW ¼ Sec. 11, T20N, R	4392520	247760	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Hatch, 1867			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
349 Peru Company
OTHER NAME(S)

GEOLOGY

Lode is about 610 m long with a curving northwesterly trend and adjoins the northwest end of the Persia Co. claims and the southeast end of the India Co. claims. The detailed geology is uncertain, but the lode is in Mesozoic Peavine sequence consisting of metamorphosed air-fall tuff, pyroclastic surge(?) deposits, and tuffaceous, massive to plane-bedded, medium gray, feldspathic sandstone (Bell and Garside, 1987).

NO PROPERTY
350 India Company
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Cu(?)		Unknown
QUAD SHEET					
Verdi					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 10, T20N, R18E		4392180	248040	11	
PRODUCTION					
Unknown					
HISTORY					
Located prior to 1867.					
DEVELOPMENT					
Location on Hatch (1867).					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Bell and Garside, 1987; Hatch, 1867					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
350 **India Company**
OTHER NAME(S)

GEOLOGY

Lode is about 610 m long with a curving northwesterly trend and adjoins the northwest end of the Peru Co. claims and the southeast end of the Midas Co. claims. The detailed geology is uncertain, but the lode is partly in Mesozoic Peavine sequence that consists of metamorphosed air-fall tuff, pyroclastic surge(?) deposits, and tuffaceous, massive to plane-bedded, medium gray, feldspathic sandstone and partly in Mesozoic Peavine sequence that consists of crystal and crystal-vitric tuff (Bell and Garside, 1987).

NO PROPERTY
351 Midas Company
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu(?)	Unknown

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 10, T20N, R18E	4392730	248070	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
351 Midas Company
OTHER NAME(S)

GEOLOGY

Mineralization may be similar to that of 58(?). Lode is about 610 m long with a curving east-west trend and adjoins the northwest end of the India Co. claims. The detailed geology is uncertain, but the lode is partly in Mesozoic Peavine sequence that consists of lithic-rich metamorphosed, felsic to intermediate composition ash-flow tuff and partly in Mesozoic Peavine sequence that consists of crystal and crystal-vitric tuff (Bell and Garside, 1987).

NO PROPERTY
352 Baystate Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu(?)	Unknown

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 10, T20N, R18E	4392710	248410	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
352 Baystate Lode
OTHER NAME(S)

GEOLOGY

Mineralization may be similar to that of 58(?). Lode is about 855 m long with a curving east-west trend. The detailed geology is uncertain, but the lode is partly in Mesozoic Peavine sequence that consists of lithic-rich metamorphosed, felsic to intermediate composition ash-flow tuff and partly in Mesozoic Peavine sequence that consists of crystal and crystal-vitric tuff (Bell and Garside, 1987).

NO PROPERTY
353 Uncle Sam Company
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 10, T20N, R18E	4393260	248410	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Hatch, 1867			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
353 **Uncle Sam Company**
OTHER NAME(S)

GEOLOGY

Lode is about 365 m long with a northwesterly trend. The detailed geology is uncertain, but the lode is partly in Mesozoic Peavine sequence that consists of metamorphosed air-fall tuff, pyroclastic surge(?) deposits, and tuffaceous, massive to plane-bedded, medium gray, feldspathic sandstone and partly in Mesozoic Peavine sequence that consists of crystal and crystal-vitric tuff (Bell and Garside, 1987).

NO PROPERTY
354 Mineral Chief Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu(?)	Unknown

QUAD SHEET
Verdi

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 10, T20N, R18E	4392800	248610	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Garside, 1987; Hatch, 1867

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
354 Mineral Chief Lode

OTHER NAME(S)

GEOLOGY

Lode is about 670 m long with a curving north-northeast trend. The detailed geology is uncertain, but the lode is in Mesozoic Peavine sequence consisting of lithic-rich metamorphosed, felsic to intermediate composition ash-flow tuff (Bell and Garside, 1987).

NO PROPERTY
355 Manhattan Lode
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au(?), Cu(?)		Unknown
QUAD SHEET					
Verdi					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 9, SW ¼ Sec. 10, T20N, R1		4394620	246500	11	
PRODUCTION					
Unknown					
HISTORY					
Located prior to 1867.					
DEVELOPMENT					
Location on Hatch (1867).					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Bell and Garside, 1987; Hatch, 1867					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
355 **Manhattan Lode**

OTHER NAME(S)

GEOLOGY

Lode is about 1.83 km long with an east-west trend. The detailed geology is uncertain, but the lode is partly in Mesozoic Peavine sequence that consists of lithic-rich metamorphosed, felsic to intermediate composition ash-flow tuff and partly in Mesozoic Peavine sequence that consists of crystal and crystal-vitric tuff (Bell and Garside, 1987).

NO PROPERTY
356 Great Western Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 10, NW¼ Sec. 15, T20N,	4394360	246940	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Hatch, 1867			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
356 Great Western Lode

OTHER NAME(S)

GEOLOGY

Lode is about 425 m long with a north-northeast trend, and its north end abuts the Manhattan claims. The detailed geology is uncertain, but the lode is in Mesozoic Peavine sequence consisting of lithic-rich metamorphosed, felsic to intermediate composition ash-flow tuff (Bell and Garside, 1987).

NO PROPERTY
357 Four Tree Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 9, T20N, R18E	4397220	244180	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Hatch, 1867			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
357 **Four Tree Lode**

OTHER NAME(S)

GEOLOGY

Lode is about 490 m long with a north-south trend, and its north end ajoin the Kitty Agnes claims. The detailed geology is uncertain, but the lode is in Mesozoic Peavine sequence consisting of lithic-rich metamorphosed, felsic to intermediate composition ash-flow tuff (Bell and Garside, 1987).

NO PROPERTY
358 Kitty Agnes Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Reno NW; Verdi			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec 4, NE ¼ Sec. 9, T20N, R18E	4400710	244790	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Hatch, 1867; Soeller and Nielsen, 1980			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
358 Kitty Agnes Lode
OTHER NAME(S)

GEOLOGY

Lode is about 610 m long with a north-northeasterly trend, and it adjoins the north end of the Four Tree claims. The detailed geology is uncertain, but the lode is partly in Mesozoic Peavine sequence that consists of lithic-rich metamorphosed, felsic to intermediate composition ash-flow tuff, and partly in undifferentiated Mesozoic Peavine sequence that consists of undifferentiated metavolcanic and metasedimentary rocks (Bell and Garside, 1987; Soeller and Nielsen, 1980).

NO PROPERTY
359 Oriental Tunnel Company
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec 1, NE¼ Sec. 9, T20N, R18	4401520	244930	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
359 **Oriental Tunnel Company**
OTHER NAME(S)

GEOLOGY

Lode is about 490 m long with a north-northeasterly trend. The detailed geology is uncertain, but the lode is partly in Quaternary older fan alluvium of dark yellowish brown and gray, cobbly to pebbly, very coarse sand and sandy to pebble to boulder gravel, and partly in Quaternary sheet-wash alluvium of moderately to poorly sorted, medium to fine sand, granular coarse to medium sand, and sandy pebble gravel (Soeller and Nielsen, 1980).

NO PROPERTY
360 Suffolk Company

OTHER NAME(S)
Bevelhyme Lode

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au(?), Cu(?)		Unknown
QUAD SHEET					
Reno NW					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec 2, T20N, R18E, SE¼ Sec. 3		4397900	246960	11	
PRODUCTION					
Unknown					
HISTORY					
Located prior to 1867.					
DEVELOPMENT					
Location on Hatch (1867).					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Hatch, 1867; Soeller and Nielsen, 1980					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
360 **Suffolk Company**

OTHER NAME(S)
Bevelhyme Lode

GEOLOGY

Lode is about 610 m long with a north-northwesterly trend. The detailed geology is uncertain, but the lode is partly in Mesozoic Peavine sequence consisting of gray to green and grayish green metavolcanic flows, tuff breccia, and welded tuff of dacitic to andesitic composition and partly in Mesozoic medium- to coarse-grained, massive , dark gray biotite and hornblende granite (Soeller and Nielsen, 1980).

NO PROPERTY
361 Alta Company
OTHER NAME(S)
Great Eastern Lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET
Reno NW

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec 36, T21N, R18E	4397700	248060	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Hatch, 1867; Soeller and Nielsen, 1980; Tingley and others, 1999

FIELD EXAMINER(S)
J. V. Tingley, 1998

OCCURRENCE
Metallic

NO PROPERTY
361 Alta Company

OTHER NAME(S)
Great Eastern Lode

GEOLOGY

The Banner Co. is the north half of the Great Eastern lode, which is about 710 m long with a north-northwesterly trend. The detailed geology is uncertain, but the lode is in Mesozoic Peavine sequence consisting of gray to green and grayish green metavolcanic flows, tuff breccia, and welded tuff of dacitic to andesitic composition (Soeller and Nielsen, 1980).

NO PROPERTY
362 Banner Company
OTHER NAME(S)
Great Eastern Lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec 1, NE¼ Sec 2, T20N, R18E	4398440	248080	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Adit, visible in west wall of deep bulldozer cut. Location on Hatch (1867).			
SAMPLE SITE(S)			
6089			
REMARKS			
UTMs from adit, which is near center of Banner Company's section of the Great Eastern.			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980; Tingley and others, 1999			
FIELD EXAMINER(S)			
J. V. Tingley, 1998			
OCCURRENCE			
Metallic			

NO PROPERTY
362 Banner Company

OTHER NAME(S)
Great Eastern Lode

GEOLOGY

The Alta Co. is the south half of the Great Eastern lode, which is about 710 m long with a north-northwesterly trend. The detailed geology is uncertain, but the lode is in Mesozoic Peavine sequence consisting of gray to green and grayish green metavolcanic flows, tuff breccia, and welded tuff of dacitic to andesitic composition (Soeller and Nielsen, 1980). The visible adit segment appears to be in colluvium, but may be in loosely-cemented breccia. The material contains large boulders of black, cemented gouge with stringers of green copper oxides within it. Nothing appears to be in place. The remnants of the old dump form the adit contains black, copper-oxide-stained gouge and some white quartz-tourmaline vein material. The vein material also displays green copper-oxide crusts and fracture coatings. A bulldozer cut has bisected the old adit dump and destroyed whatever geologic relationships may have been exposed by the adit. Sample 6089 is fault gouge and breccia, black gouge, rock fragments, some white quartz-tourmaline vein material; also green oxide copper crusts and fracture coatings.

NO PROPERTY
363 Eureka Lode
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au(?), Cu(?)		Unknown
QUAD SHEET					
Reno NW					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
E½ Sec 35, T21N, R18E		4398460	248570	11	
PRODUCTION					
Unknown					
HISTORY					
Located prior to 1867.					
DEVELOPMENT					
Location on Hatch (1867).					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Hatch, 1867; Soeller and Nielsen, 1980					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
363 Eureka Lode

OTHER NAME(S)

GEOLOGY

Lode is about 520 m long with a northwesterly trend. The detailed geology is uncertain, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980).

NO PROPERTY
364 Vancouver Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec 27, T21N, R18E	4398620	248740	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980; Tingley and others, 1999			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
364 Vancouver Lode

OTHER NAME(S)

GEOLOGY

Lode is about 790 m long with a NNW trend. The detailed geology is uncertain, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980). Vancouver Lode may be related to the vein system of Granite Hills Mine (see 574) about 1 km to the southwest.

NO PROPERTY
365 Buena Vista Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	

QUAD SHEET			
Reno NW			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec 34, T21N, R18E	4399530	248760	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Hatch, 1867; Soeller and Nielsen, 1980; Tingley and others, 1999

FIELD EXAMINER(S)
J. V. Tingley, 1998

OCCURRENCE
Metallic

NO PROPERTY
365 Buena Vista Lode

OTHER NAME(S)

GEOLOGY

Mineralization may be same as for 106(?). Lode is about 610 m long with a north-northeasterly trend. The detailed geology is uncertain, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980).

NO PROPERTY
366 Mary Lode
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine		Washoe	Au(?), Cu(?)	
QUAD SHEET				
Reno NW				
OWNERSHIP				
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE
NE¼ Sec 34, W½ Sec. 35, T21N, R1		4399780	249000	11
PRODUCTION				
Unknown				
HISTORY				
Located prior to 1867.				
DEVELOPMENT				
Location on Hatch (1867).				
SAMPLE SITE(S)				
REMARKS				
REFERENCES				
Hatch, 1867; Soeller and Nielsen, 1980				
FIELD EXAMINER(S)				
Not examined during this study.				
OCCURRENCE				
Metallic				

NO PROPERTY

366 Mary Lode

OTHER NAME(S)

GEOLOGY

Lode is about 670 m long with a north-northwesterly trend. The detailed geology is unknown, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980).

NO PROPERTY
367 Treasury Lode
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au(?), Cu(?)		
QUAD SHEET					
Reno NW					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec 34, NW¼ Sec. 35, T21N, R		4408640	256220	11	
PRODUCTION					
Unknown					
HISTORY					
Located prior to 1867.					
DEVELOPMENT					
Location on Hatch (1867).					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Hatch, 1867; Soeller and Nielsen, 1980; Tingley and others, 1999					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
367 Treasury Lode
OTHER NAME(S)

GEOLOGY

Lode is about 580 m long with a north-northwesterly trend. The detailed geology is unknown, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980).

NO PROPERTY
368 St. Joseph Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 35, T21N, R18E	4404650	260300	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
368 St. Joseph Lode
OTHER NAME(S)

GEOLOGY

Lode is about 640 m long with a NNW trend. The detailed geology is unknown, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980).

NO PROPERTY
369 Denver Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 26, NW¼ Sec. 35, T21N,	4385130	291490	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
369 Denver Lode

OTHER NAME(S)

GEOLOGY

Lode is about 580 m long with a NNW trend. The detailed geology is unknown, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980).

NO PROPERTY
370 Lemmon Lode
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au(?), Cu(?)		
QUAD SHEET					
Reno NW					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
S½ Sec. 26, N½ Sec. 35, T21N, R18		4383210	315330	11	
PRODUCTION					
Unknown					
HISTORY					
Located prior to 1867.					
DEVELOPMENT					
Location on Hatch (1867).					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Hatch, 1867; Soeller and Nielsen, 1980					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
370 **Lemmon Lode**

OTHER NAME(S)

GEOLOGY

Mineralization may similar to that for 107(?). Lode is about 550 m long with a north-northwesterly trend. The detailed geology is unknown, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980).

NO PROPERTY
371 Amazon Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 26, T21N, R18E	4383960	307400	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
371 **Amazon Lode**

OTHER NAME(S)

GEOLOGY

Lode is about 610 m long with a northwesterly trend and adjoins the northwest end of the Occidental Lode. The detailed geology is unknown, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980).

NO PROPERTY
372 Occidental Lode
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au(?), Cu(?)		Unknown
QUAD SHEET					
Reno NW					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
N½ Sec. 35, T21N, R18E		4382000	325180	11	
PRODUCTION					
Unknown					
HISTORY					
Located prior to 1867.					
DEVELOPMENT					
Location on Hatch (1867).					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Hatch, 1867; Soeller and Nielsen, 1980					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
372 **Occidental Lode**
OTHER NAME(S)

GEOLOGY

Lode is about 610 m long with a curving north-northwesterly trend and adjoins the southeast end of the Amazon Lode. The detailed geology is unknown, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980).

NO PROPERTY
373 Gold Bar Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 22, NW¼ Sec. 27, T21N,	4413700	319320	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
228 and 229 may be part of the Gold Bar Lode.			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980; Tingley and others, 1999; U.S. Bureau of Mines, 1996, Seq. 0320310110			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
373 **Gold Bar Lode**

OTHER NAME(S)

GEOLOGY

Mineralization may be similar to that of 228 and 229. Lode is about 730 m long with a northwesterly trend. The detailed geology is unknown, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980).

NO PROPERTY
374 Sunrise Lode
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine		Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET				
Reno NW				

OWNERSHIP				

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 22, N½ Sec. 27, T21N, R1	4404760	327400	11

PRODUCTION				
Unknown				

HISTORY				
Located prior to 1867.				

DEVELOPMENT				
Location on Hatch (1867).				

SAMPLE SITE(S)				

REMARKS				

REFERENCES				
Hatch, 1867; Soeller and Nielsen, 1980				

FIELD EXAMINER(S)				
Not examined during this study.				

OCCURRENCE				
Metallic				

NO PROPERTY
374 Sunrise Lode
OTHER NAME(S)

GEOLOGY

Mineralization may be similar to that of 228 and 229. Lode is about 730 m long with a northwesterly trend. The detailed geology is unknown, but the lode is in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980).

NO PROPERTY
375 Cold Spring Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET
Reno NW

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec 17, T21N, R18E	4407660	328300	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS
Exact location is uncertain.

REFERENCES
Hatch, 1867; Soeller and Nielsen, 1980

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
375 Cold Spring Lode
OTHER NAME(S)

GEOLOGY

Lode is about 365 m long with a curving northwesterly trend. The detailed geology is unknown, but the lode is in Mesozoic Peavine sequence consisting of gray to green and grayish green metavolcanic flows, tuff breccia, and welded tuff of dacitic to andesitic composition (Soeller and Nielsen, 1980).

NO PROPERTY
376 Black Rock Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec 4, NW¼ Sec 5, T21N, R18E	4414650	321270	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
376 **Black Rock Lode**

OTHER NAME(S)

GEOLOGY

Lode is about 670 m long with a curving northwesterly trend. The detailed geology is unknown, but the lode is in Mesozoic Peavine sequence consisting of gray to green and grayish green metavolcanic flows, tuff breccia, and welded tuff of dacitic to andesitic composition (Soeller and Nielsen, 1980).

NO PROPERTY
377 Green Rock Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec 32, SW ¼ Sec 33, T22N, R1	4415760	320180	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
377 Green Rock Lode

OTHER NAME(S)

GEOLOGY

Lode is about 520 m long with a curving northwesterly trend. The detailed geology is unknown, but the lode is in Mesozoic Peavine sequence consisting of gray to green and grayish green metavolcanic flows, tuff breccia, and welded tuff of dacitic to andesitic composition (Soeller and Nielsen, 1980).

NO PROPERTY
378 Pacific Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec 10, N½ Sec 15, T21N, R18	4416330	278560	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
378 **Pacific Lode**
OTHER NAME(S)

GEOLOGY

Lode is about 885 m long with a northwesterly trend. The detailed geology is unknown, but the lode is partly in Mesozoic Peavine sequence consisting of gray to green and grayish green metavolcanic flows, tuff breccia, welded tuff of dacitic to andesitic composition, and metasedimentary rocks, and partly in Mesozoic coarse-grained, massive, light quartz monzonite containing numerous aplite and pegmatite dikes (Soeller and Nielsen, 1980).

NO PROPERTY
379 Keystone Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET			
Reno NW			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec 10, NW ¼ Sec. 14, T21N, R	4414420	274560	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Hatch, 1867; Soeller and Nielsen, 1980

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
379 **Keystone Lode**

OTHER NAME(S)

GEOLOGY

Mineralization may be same as 69(?). Lode is about 790 m long with a northwesterly trend. The detailed geology is unknown, but the lode is partly in Mesozoic Peavine sequence consisting of gray to green and grayish green metavolcanic flows, tuff breccia, and welded tuff of dacitic to andesitic composition, and partly in Mesozoic coarse-grained, massive, light quartz monzonite containing numerous aplite and pegmatite dikes (Soeller and Nielsen, 1980).

NO PROPERTY
380 Nevada Lode
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed		Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET				
Reno NW				

OWNERSHIP				

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec 10, SW¼ Sec. 11, T21N, R18	4416500	295400	11

PRODUCTION				
Unknown				

HISTORY				
Located prior to 1867.				

DEVELOPMENT				
Location on Hatch (1867).				

SAMPLE SITE(S)				

REMARKS				

REFERENCES				
Hatch, 1867; Soeller and Nielsen, 1980				

FIELD EXAMINER(S)				
Not examined during this study.				

OCCURRENCE				
Metallic				

NO PROPERTY
380 Nevada Lode

OTHER NAME(S)

GEOLOGY

Lode is about 730 m long with a northwesterly trend. The detailed geology is unknown, but the lode is in Mesozoic Peavine sequence consisting of gray to green and grayish green metavolcanic flows, tuff breccia, and welded tuff of dacitic to andesitic composition, and metasedimentary rocks (Soeller and Nielsen, 1980).

NO PROPERTY
381 Morning Star Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Au(?), Cu(?)	Unknown
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 11, T21N, R18E	4394350	292020	11
PRODUCTION			
Unknown			
HISTORY			
Located prior to 1867.			
DEVELOPMENT			
Location on Hatch (1867).			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
381 Morning Star Lode
OTHER NAME(S)

GEOLOGY

Lode is about 1.04 km long with a northwesterly trend. The detailed geology is unknown, but the lode is in Mesozoic Peavine sequence consisting of gray to green and grayish green metavolcanic flows, tuff breccia, and welded tuff of dacitic to andesitic composition, and metasedimentary rocks (Soeller and Nielsen, 1980).

NO PROPERTY
382 San Antonio Lode
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Washoe	Au(?), Cu(?)		Unknown
QUAD SHEET					
Reno NW					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
N½ Sec. 11, T21N, R18E		4382120	282170	11	
PRODUCTION					
Unknown					
HISTORY					
Located prior to 1867.					
DEVELOPMENT					
Location on Hatch (1867).					
SAMPLE SITE(S)					
REMARKS					
See no. 69. The unnamed shaft in no. 69 may be part of the San Antonio Lode.					
REFERENCES					
Hatch, 1867; Soeller and Nielsen, 1980; Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 1989					
OCCURRENCE					
Metallic					

NO PROPERTY
382 San Antonio Lode

OTHER NAME(S)

GEOLOGY

Lode is about 730 m long with a northwesterly trend. The detailed geology is unknown, but the lode is partly in Mesozoic Peavine sequence consisting of gray to green and grayish green metavolcanic flows, tuff breccia, and welded tuff of dacitic to andesitic composition, and partly in Tertiary lacustrine and alluvial deposits comnsisting of grayish orange to pale brown, generally unconsolidated, coarse- to medium-grained sand, granular sand, siltstone, silty to pebbly sandstone, and minor sandy pebble conglomerate. (Soeller and Nielsen, 1980).

NO PROPERTY
383 Challenge Company

OTHER NAME(S)

Sawyer Lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET
Reno NW

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 2, T21N, R18E	4378300	255360	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Hatch, 1867; Soeller and Nielsen, 1980

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
383 **Challenge Company**

OTHER NAME(S)
Sawyer Lode

GEOLOGY

Lode is about 790 m long with a northwesterly trend. The detailed geology is unknown, but the lode is in Tertiary lacustrine and alluvial deposits comnsisting of grayish orange to pale brown, generally unconsolidated, coarse- to medium-grained sand, granular sand, siltstone, silty to pebbly sandstone, and minor sandy pebble conglomerate. (Soeller and Nielsen, 1980).

NO PROPERTY
384 Enterprise Company

OTHER NAME(S)

Defiance Lode

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Au(?), Cu(?)	Unknown

QUAD SHEET
Reno NW

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 2, T21N, R18E	4394380	242920	11

PRODUCTION
Unknown

HISTORY
Located prior to 1867.

DEVELOPMENT
Location on Hatch (1867).

SAMPLE SITE(S)

REMARKS

REFERENCES
Hatch, 1867; Soeller and Nielsen, 1980

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
384 Enterprise Company

OTHER NAME(S)
Defiance Lode

GEOLOGY

Lode is about 850 m long with a northwesterly trend. The detailed geology is unknown, but the lode is in Tertiary lacustrine and alluvial deposits comnsisting of grayish orange to pale brown, generally unconsolidated, coarse- to medium-grained sand, granular sand, siltstone, silty to pebbly sandstone, and minor sandy pebble conglomerate. (Soeller and Nielsen, 1980).

NO PROPERTY
385 Tri-Metals No. 6 Lode Claim

OTHER NAME(S)
Fred's Mountain prospects

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Washoe	Au, Cu		Unknown
QUAD SHEET					
Beddell Flat					
OWNERSHIP					
C. Nash (1972)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 9, T22N, R19E		4396310	252740	11	
PRODUCTION					
Unknown					
HISTORY					
Located in or before 1972 as 1 of 24 claims by C. Nash.					
DEVELOPMENT					
Prospect.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Garside, 1993; Mason and others, 1996, Rec. M231074; U.S. Bureau of Mines, 1995, Seq. 0320310194					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
385 Tri-Metals No. 6 Lode Claim

OTHER NAME(S)
Freds Mountain prospects

GEOLOGY

The detailed geology is unknown, but propsect is in Mesozoic Peavine sequence consiting of dark gray, meta-andesite, predominantly metamorphosed to biotite hornfels and schist (Garside, 1993). Probably similar to other Cu prospects in this area.

NO PROPERTY
386 Lorelie No. 1 Lode Claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Cu	Polymetallic vein
QUAD SHEET			
Beddell Flat			
OWNERSHIP			
L. Smith (1972)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 24, T22N, R19E	4423140	305330	11
PRODUCTION			
Unknown			
HISTORY			
Located in or before 1972 as 1 of 2 claims by L. Smith			
DEVELOPMENT			
Adit and prospect.			
SAMPLE SITE(S)			
6092			
REMARKS			
Lies at MASMILS location.			
REFERENCES			
Garside, 1993; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310139			
FIELD EXAMINER(S)			
J. V. Tingley, 1998			
OCCURRENCE			
Metallic			

NO PROPERTY
386 Lorelie No. 1 Lode Claim

OTHER NAME(S)

GEOLOGY

Propsect is in Mesozoic granodiorite of Golden Valley which consists of gray, equigranular to porphyritic, medium-grained, hornblende-biotite granodiorite (Garside, 1993). At prospect about 30 m east of the adit, a N85°E, 40°NW-dipping shear zone is exposed; some epidote, trace Mn- Cu- and Fe-oxide staining. Shear zone is about 3 m thick as exposed in the east wall of the cut. Adit was driven N55°E in granodiorite porphyry; blocky rock has caved the adit. Sample 6092 contains thin iron-oxide-rich lenses along shear zone; minor oxide copper clots and fracture coatings, some epidote, and quartz lenses, 1-2 cm thick. Sample is from small cut east of caved adit.

NO PROPERTY
387 Derby Dam Gravel Pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Storey	Gravel, sand	Sedimentary

QUAD SHEET			
Derby Dam			

OWNERSHIP			
U.S. Bureau of Land Management (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 20, T20N, R23E	4419230	307390	11

PRODUCTION			
Small(?)			

HISTORY			
Pit started between 1956 and 1959. Inactive in 1998. 1999 locked gate and overgrown with weeds.			

DEVELOPMENT			
Pit covering about 30 acres, mined to a maximum depth of about 10 m.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bonham and Papke, 1969; Nevada Department of Transportation, 1959b (aerial photograph 27-1); Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310369; U.S. Geological Survey, 1956 (aerial photograph 225); Washoe County Assessor, 2005, APN 841			

FIELD EXAMINER(S)			
S.B. Castor, 1998; D. A. Davis, 8/26/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
387 Derby Dam Gravel Pit
OTHER NAME(S)

GEOLOGY

Pebble to boulder gravel with sandy matrix. Clasts are mostly intermediate to mafic volcanic rock types and minor diatomite clasts.

NO PROPERTY
388 Browne Pit

OTHER NAME(S)

Borrow pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Gravel, sand	Sedimentary

QUAD SHEET			
Fernley East			

OWNERSHIP			
Pyramid Sand and Gravel (1976)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 23, T20N, R25E	4422590	303380	11

PRODUCTION
Small(?)

HISTORY
Pit started before 1954. 1975-1977: Operated by Pyramid Sand and Gravel. Not in operation in 1999 and appears to not have been operation for a very long time.

DEVELOPMENT
Pit covering about 9 acres in 1985.

SAMPLE SITE(S)

REMARKS

REFERENCES
Moore, 1969; Nevada State Inspector of Mines, 1976, 1977, 1978; U.S. Bureau of Mines, 1995, Seq. 0320190167; U.S. geological Survey, 1954 (aerial photograph 2-17)

FIELD EXAMINER(S)
D. A. Davis, 7/27/1999

OCCURRENCE
Nonmetallic

NO PROPERTY

388 Browne Pit

OTHER NAME(S)

Borrow pit

GEOLOGY

Detailed geology unknown, but pit is in Quaternary alluvium, which consists largely of alluvial fan gravel, stream-laid gravel, sand, and silt, some talus material, and dune sand (Moore, 1969).

NO PROPERTY
389 State Highway Contract 1728 Pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Gravel	Sedimentary

QUAD SHEET			
Fernley East			

OWNERSHIP			
J.C. Compton Co. (1978)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 24, T20N, R24E	4413520	277700	11

PRODUCTION			
Small.			

HISTORY			
Pit started before 1980. 1978: Operated by J.C. Compton Co. 1986: Frehner Construction had portable crusher in pit. 1999: Not in operation.			

DEVELOPMENT			
Pit covering about 3 ha. in 1985.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center pit.			

REFERENCES			
Bell, 1980 (aerial photograph 1-880); Moore, 1969; Nevada State Inspector of Mines, 1979, 1987; U.S. Bureau of Mines, 1995, Seq. 0320190240			

FIELD EXAMINER(S)			
D. A. Davis, 7/20/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
389 State Highway Contract 1728 Pit
OTHER NAME(S)

GEOLOGY

Pit lies in Quaternary alluvium consisting of alluvial fan gravel, stream-laid gravel, sand, and silt, and talus material (Moore, 1969).

NO PROPERTY
390 Borrow pits
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Gravel, sand	Sedimentary

QUAD SHEET			
Hazen			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 26, T20N, R26E	4416020	275720	11

PRODUCTION			
Small(?).			

HISTORY			
Operation pre-dates 1979, on John Bell's LSA air photo 1-243.			

DEVELOPMENT			
Two pits together covering about 14 ha. in 1985.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from geographic center between two pits.			

REFERENCES			
U.S. Bureau of Mines, 1995, Seq. 0320010122; Willden and Speed, 1974.			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
390 Borrow pits
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is in younger alluvium consisting of Lake Lahontan deposits, playa deposits, and young fan gravels (Wildden and Speed, 1974).

NO PROPERTY
391 Bolide prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Truckee		Churchill	Au		Unknown

QUAD SHEET					
Hot Springs Flat					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ Sec. 18, T23N, R26E		4416380	321220	11	

PRODUCTION					
None.					

HISTORY					

DEVELOPMENT					
Series of 1 m deep, about 30 m long bulldozer cuts exposing bedrock.					

SAMPLE SITE(S)					

REMARKS					
UTMs taken from geographic center of several prospects near MASMILS location.					

REFERENCES					
Harlan, 1984; U.S. Bureau of Mines, 1995, Seq. 0320010571; Willden and Speed, 1974					

FIELD EXAMINER(S)					
D. A. Davis, 8/12/1999					

OCCURRENCE					
Metallic					

NO PROPERTY
391 Bolide prospect
OTHER NAME(S)

GEOLOGY

Bedrock is consists of both dark gray argillite and phyllite and very light gray to off white, fine-grained volcanic(?) rock. Mineralization consists of some minor iron staining.

NO PROPERTY
392 Unnamed borrow pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Leete	Churchill	Gravel, sand	Sedimentary
QUAD SHEET			
Hot Springs Flat			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 13, T22N, R26E	4424950	321150	11
PRODUCTION			
Small.			
HISTORY			
Operation pre-dates 1954, on USGS air photo VEU 1-10. In 1999 appeared overgrown and not in use for a very long time.			
DEVELOPMENT			
Very small pit probably covering less than 1 ha. in 1986.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
U.S. Bureau of Mines, 1995, Seq. 0320010023; Willden and Speed, 1974			
FIELD EXAMINER(S)			
D. A. Davis, 8/3/1999			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
392 Unnamed borrow pit
OTHER NAME(S)

GEOLOGY

Pit lies in alluvium consisting of Quaternary Lake Lahontan deposits, playa deposits, and young fan gravels (Willden and Speed, 1974).

NO PROPERTY
393 Unnamed borrow pit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Leete		Churchill	Gravel, sand		Sedimentary

QUAD SHEET					
Hot Springs Flat					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
E½ Sec. 1, T22N, R26E		4423220	320840	11	

PRODUCTION					
Small.					

HISTORY					
Operation pre-dates 1979, on John Bell's LSA air photo 1-250.					

DEVELOPMENT					
Very small pit probably covering less than 1 ha. in 1986. One of four small borrow pits in east half of section.					

SAMPLE SITE(S)					

REMARKS					
UTM taken from pit nearest MASMILS location.					

REFERENCES					
U.S. Bureau of Mines, 1995, Seq. 0320010024; Willden and Speed, 1974					

FIELD EXAMINER(S)					
Not examined during this study.					

OCCURRENCE					
Nonmetallic					

NO PROPERTY
393 Unnamed borrow pit
OTHER NAME(S)

GEOLOGY

Pit lies in alluvium consisting of Quaternary Lake Lahontan deposits, playa deposits, and young fan gravels (Willden and Speed, 1974).

NO PROPERTY
394 FBS prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Truckee		Churchill	Ag(?)		Unknown
QUAD SHEET					
Hot Springs Flat					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NW¼ Sec. 17, T23N, R26E		4425020	275680	11	
PRODUCTION					
None.					
HISTORY					
Truckee District founded in 1930. About 20 tons of ore produced district-wide before 1940.					
DEVELOPMENT					
Two prospects noted on topographic map.					
SAMPLE SITE(S)					
REMARKS					
UTMs taken from two prospects near MASMILS location.					
REFERENCES					
Harlan, 1984; U.S. Bureau of Mines, 1995, Seq. 0320010573; Willden and Speed, 1974					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
394 FBS prospect

OTHER NAME(S)

GEOLOGY

Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic metavolcanic pyroclastic(?) rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton (Willden and Speed, 1974). The rocks are largely a Triassic-Jurassic(?) chloritic phyllite unit that consists of olive to light gray, very fine-grained phyllite and schist with a well developed slaty cleavage. The phyllite is locally intercalated with greenschist, metagraywacke(?), and spotted schist, and consists of quartz, chlorite, sericite, chloritoid, clay, and detrital(?) plagioclase. The phyllite also contains scattered, thick lenses of generally well-foliated metaconglomerate containing flattened rounded to subangular pebbles of andesite, dacite, and diorite in a fine-grained quartz, chlorite, and clay matrix. The phyllite is intruded by dark green to black, fine-grained, porphyritic andesine-biotite-hornblende dikes and is partially covered with a Tertiary white, porphyritic, microcrystalline to very fine-grained, moderately to strongly welded, Tertiary rhyolite tuff. The alteration is largely propylitic with some argillic, phyllic, and silicic zones (Harlan, 1984). Sample 2881 is a select sample of vein material containing copper, lead, magnetite, and minor silver (Bonham and others, 1985). Several quartz vein chip samples in the vicinity of the shafts contained copper and iron mineralization, galena, and some chalcopyrite and chalcocite and had assays of 4-8.2 oz. per ton silver and no to 0.01 oz per ton gold. Rock chip samples of the surrounding phyllite and other rocks contained assays of no to 0.27 oz per ton silver, no to 0.01 oz per ton gold, and up to 100 ppm copper (Harlan, 1984).

NO PROPERTY
395 FBS prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Ag, Au	Unknown

QUAD SHEET			
Hot Springs Flat			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 7, T23N, R26E	4377160	242620	11

PRODUCTION
None.

HISTORY
Truckee District founded in 1930. About 20 tons of ore produced district-wide before 1940.

DEVELOPMENT
Six prospects noted on topographic map.

SAMPLE SITE(S)

REMARKS
UTMs taken from the geographic center of six prospects near MASMILS location.

REFERENCES
Harlan, 1984; U.S. Bureau of Mines, 1995, Seq. 0320010516; Willden and Speed, 1974

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
395 FBS prospect
OTHER NAME(S)

GEOLOGY

Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic metavolcanic pyroclastic(?) rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton (Willden and Speed, 1974). The rocks are largely a Triassic-Jurassic(?) chloritic phyllite unit that consists of olive to light gray, very fine-grained phyllite and schist with a well developed slaty cleavage. The phyllite is locally intercalated with greenschist, metagraywacke(?), and spotted schist, and consists of quartz, chlorite, sericite, chlorotoid, clay, and detrital(?) plagioclase. The phyllite also contains scattered, thick lenses of generally well-foliated metaconglomerate containing flattened rounded to subangular pebbles of andesite, dacite, and diorite in a fine-grained quartz, chlorite, and clay matrix. The phyllite is intruded by dark green to black, fine-grained, porphyritic andesine-biotite-hornblende dikes and is partially covered with a Tertiary white, porphyritic, microcrystalline to very fine-grained, moderately to strongly welded, Tertiary rhyolite tuff. The alteration is largely propylitic with some argillic, phyllic, and silicic zones (Harlan, 1984). Sample 2881 is a select sample of vein material containing copper, lead, magnetite, and minor silver (Bonham and others, 1985). Several quartz vein chip samples in the vicinity of the shafts contained copper and iron mineralization, galena, and some chalcopyrite and chalcocite and had assays of 4-8.2 oz. per ton silver and no to 0.01 oz per ton gold. Rock chip samples of the surrounding phyllite and other rocks contained assays of no to 0.27 oz per ton silver, no to 0.01 oz per ton gold, and up to 100 ppm copper (Harlan, 1984).

NO PROPERTY
396 Unnamed Mine

OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Cu	High-sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 11, T23N, R21E	4389190	303240	11
PRODUCTION			
None(?).			
HISTORY			
Located before 1888(?).			
DEVELOPMENT			
Exploratory(?) shaft or small prospect pit.			
SAMPLE SITE(S)			
6194			
REMARKS			
UTM taken from shaft at MASMILS location. Shaft at this location on 1888 township survey.			
REFERENCES			
Bonham and Papke, 1969; Bureau of Land Management Survey Map, T 23N, R21E, 1888; U.S. Bureau of Mines, 1995, Seq. 0320310117; Tingley and others, 1999			
FIELD EXAMINER(S)			
S.B. Castor, 10/12/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
396 Unnamed Mine

OTHER NAME(S)

GEOLOGY

Sample 6194 was collected from outcrop of silica-alunite(?)-limonite rock exposed in small prospect pit. The rock forms a N35W, steeply west-dipping ledge about 50 cm thick. The footwall of the ledge appears to be an unaltered basalt dike. Sample 6194 is highly limonitized rock from outcrop of silica, alunite (?), limonite rock in small pit.

NO PROPERTY
397 Nevada Western Gold and Silver Company
OTHER NAME(S)
Jewel Group of claims including Peggy No. 1, Jewel, and Jewel No. 1

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au	High sulfidation epithermal
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Nevada Western Gold and Silver Mining Co. (1923)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 21, T23N, R21E	4394510	295350	11
PRODUCTION			
None(?).			
HISTORY			
Claims located 16 Apr 1919 by Julia P. Dawes. Nevada Western formed in 1923 as a holding company for these claims. Kept current through 1937.			
DEVELOPMENT			
1922: 60 m and 20 m shafts connecting 230 m of workings. 1999: Prospect, shaft(?).			
SAMPLE SITE(S)			
REMARKS			
UTM taken from adit within Jewel No. 2 claim. MASMILS puts location in SW1/4 of section 22, but metes and bounds places them next to Lena and Whittaker patented claims.			
REFERENCES			
Bonham and Papke, 1969; Nevada Western Gold and Silver Mining Company, 1922; U.S. Bureau of Mines, 1995, Seq. 0320310260; Washoe County Mining District Records, 1919, 1923, 1937			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
397 Nevada Western Gold and Silver Company

OTHER NAME(S)

Jewel Group of claims including Peggy No. 1, Jewel, and Jewel No. 1

GEOLOGY

The details of the geology on the claims are unknown, but they are in Miocene tuff of Perry Canyon (Garside and others, 2003). The claims are near the Ruth Mine (site 82) and the development described may refer in part to that mine.

NO PROPERTY
398 Fish Rip-rap Pit

OTHER NAME(S)

Borrow pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel, sand, stone	Sedimentary
QUAD SHEET			
Nixon NW			
OWNERSHIP			
Pyramid Lake Indian Reservation			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW/4 Sec. 10, T23N, R23E	4408780	256000	11
PRODUCTION			
Small.			
HISTORY			
Started before 1954. Operated by Northbilt Construction Co. in 1977.			
DEVELOPMENT			
Small pit covering less than 1 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Nevada State Inspector of Mines, 1977, 1978; Stephenson, 1966 U.S. Bureau of Mines, 1995, Seq. 0320310277; U.S. Geological Survey, 1954 (aerial photograph 2-163)			
FIELD EXAMINER(S)			
D.A.Davis, 9/12/1991			
OCCURRENCE			
Metallic			

NO PROPERTY
398 **Fish Rip-rap Pit**

OTHER NAME(S)

Borrow pit

GEOLOGY

Pit is at the foot of an outcrop of limestone of Marble Bluff (see 124) in Quaternary lake deposits, clay, silt, sand, gravel, and calcareous tufa (Bonham and Papke, 1969).

NO PROPERTY
399 Tiger Group
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Unknown
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 20, T21N, R23E	4391470	293360	11
PRODUCTION			
None(?).			
HISTORY			
DEVELOPMENT			
Prospect, underground(?) exploration.			
SAMPLE SITE(S)			
REMARKS			
UTM taken from prospect at MASMILS location.			
REFERENCES			
Bonham and Papke, 1969; Mason and others, 1996, Rec. M231134; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310091			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
399 **Tiger Group**
OTHER NAME(S)

GEOLOGY

Detailed geology unknown but prospect is in the Tertiary Pyramid sequence which consists of basalt, andesite, and dacite flows, flow breccias, mudflow breccias, agglomerates, tuffs, and associated intrusive rocks with lenses of silicic tuff, diatomite, shale, and sandstone intercalated in the sequence (Bonham and Papke, 1969).

NO PROPERTY
400 McCarran sand pit

OTHER NAME(S)
Porawski sand pit(?)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Washoe	Sand, gravel		Sedimentary
QUAD SHEET					
Patrick					
OWNERSHIP					
Sierra Pacific Power Co. (2005)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 32, T20N, R22E		4427280	306880	11	
PRODUCTION					
Small(?)					
HISTORY					
Pit started between 1968 and 1974. 1975-1979: Operated by Kenneth Easton, Inc. 1980: Operated by Joe Porawski. 1980-1988: Operated by Washoe Rock Products. Flooded in 1994. 1999: inactive and filled with water.					
DEVELOPMENT					
Open pit covering about 18 ha. in 1980.					
SAMPLE SITE(S)					
REMARKS					
About half in Washoe County and half in Storey County. Not on 1974 USGS air photo VDOS 1-92.					
REFERENCES					
Bonham and Papke, 1969; Nevada State Inspector of Mines, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1985, 1986, 1987, 1989; Tingley and others, 1999; U.S. Air Force, 1968 (aerial photograph 154); U.S. Bureau of Mines, 1995, Seq. 0320310120, 032031026					
FIELD EXAMINER(S)					
D.A.Davis, 8/26/1999					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
400 McCarran sand pit

OTHER NAME(S)
Porawski sand pit(?)

GEOLOGY

Quaternary alluvium and flood plain deposits of the Truckee River (Bonham and Papke, 1969). In part crosses an oxbow of the Truckee River.

NO PROPERTY
401 Ring Road Pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, sand, gravel	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 09, T19N, R19E	4429060	304790	11

PRODUCTION			
Small.			

HISTORY			
Pre-1956. On AMS air photo VVHY M2 AMS 160, frame 231.			

DEVELOPMENT			
Small pit covering probably less than 1 ha. and plant(?).			

SAMPLE SITE(S)			

REMARKS			
MASMILS reports silver as one commodity.			

REFERENCES			
Bonham and Binger, 1973; U.S. Bureau of Mines, 1995, Seq. 0320310305			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
401 Ring Road Pit
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown but pit is located in Quaternary gravel of Reno of Bonham and Bingler (1973) which consists of weakly-bedded deposits of coarse sand containing scattered small cobbles and thin cobble layers.

NO PROPERTY
402 Bordertown Sand and Gravel Pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Gravel, sand	Sedimentary
QUAD SHEET			
Reno NW			
OWNERSHIP			
Robert L. Helms Construction Co. (1976)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 30, NW¼ Sec. 31, T21N, R	4421940	306660	11
PRODUCTION			
Small.			
HISTORY			
Pit started before 1980. 1976-1977: Operated by Robert L. Helms Construction Co.			
DEVELOPMENT			
Pit covers about 5 ha. in 1980.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell, 1980 (aerial photograph 1-975); Nevada State Inspector of Mines, 1977, 1978; Soeller and Nielson, 1980; U.S. Bureau of Mines, 1995, Seq. 0320310276			
FIELD EXAMINER(S)			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
402 Bordertown Sand and Gravel Pit

OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit lies in Tertiary lacustrine and alluvial sediments consisting of thick basin-fill, generally unconsolidated, vaguely bedded deposits of grayish-orange to pale-brown, coarse to medium sand, and minor pebble conglomerate, very thinly-bedded ash, and diatomite (Soeller and Nielson, 1980).

NO PROPERTY
403 Reno-Stead Airport Pit
OTHER NAME(S)
City of Reno

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel, sand	Sedimentary

QUAD SHEET			
Reno NW			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 17, SE¼ Sec. 18, T21N, R	4394320	296540	11

PRODUCTION
Small.

HISTORY
One pit started before 1956. Other pits started between 1956 and 1974.

DEVELOPMENT
Several pits that altogether cover about 6 ha. in 1980.

SAMPLE SITE(S)

REMARKS
No pit at MASMILS site which is in section 7. These pits are nearest.

REFERENCES
Nevada State Inspector of Mines, 1976, 1977; Soeller and Nielson, 1980; Tingley and others, 1999; U.S. Bureau of Mines, 1995, Seq. 0320310242; U.S. Geological Survey, 1956 (aerial photograph 313), 1974 (aerial photograph 1-58)

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
403 **Reno-Stead Airport Pit**

OTHER NAME(S)
City of Reno

GEOLOGY

Detailed geology is unknown, but pit apparently lies in Tertiary lacustrine and alluvial sediments consisting of thick basin-fill, generally unconsolidated, vaguely bedded deposits of grayish-orange to pale-brown, coarse to medium sand, and minor pebble conglomerate, very thinly-bedded ash, and diatomite (Soeller and Nielson, 1980).

NO PROPERTY
404 Gold Ridge Nos. 1-3

OTHER NAME(S)
Gold Ridge prospect

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Nightingale	Washoe	Au	Igneous
QUAD SHEET			
Russell Peak			
OWNERSHIP			
Charles and Virginia Gault (1988-1991)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 22, T24N, R24E	4415180	275740	11
PRODUCTION			
None			
HISTORY			
Located in 1988 and dropped in 1991.			
DEVELOPMENT			
3 lode claims. Two prospects. Underground development(?).			
SAMPLE SITE(S)			
REMARKS			
Prospect at MASMILS site.			
REFERENCES			
Bonham, 1961; Bonham and Papke, 1969; U.S. Bureau of Mines, 1995, Seq. 0320310384			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
404 Gold Ridge Nos. 1-3

OTHER NAME(S)
Gold Ridge prospect

GEOLOGY

Prospects at the site UTM and to the north for about 0.7 km contain pyrite and limonite in Mesozoic felsite (fine grained quartz and feldspar) and gabbro (Bonham 1961).

NO PROPERTY
405 Keystone prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Nightingale		Washoe	Au		Igneous
QUAD SHEET					
Russell Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
S½ Sec. 35, T24N, R24E		4414950	276140	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Shaft and prospects.					
SAMPLE SITE(S)					
REMARKS					
Prospect at shaft near MASMILS site.					
REFERENCES					
Boham, 1961; Bonham and Papke, 1969; U.S. Bureau of Mines, 1995, Seq. 0320310386					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
405 **Keystone prospect**
OTHER NAME(S)

GEOLOGY

Bonham (1961) reported pyrite and limonite in Mesozoic gabbro in a northerly trending zone of prospects over 200 m long.

NO PROPERTY
406 Unnamed adit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Nightingale		Washoe	Au(?), Cu		Vein
QUAD SHEET					
Russell Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 20, T24N, R24E		4414660	276460	11	
PRODUCTION					
None(?).					
HISTORY					
DEVELOPMENT					
Small adit.					
SAMPLE SITE(S)					
2887					
REMARKS					
UTMs taken from adit at MASMILS location. 0320310424 and 0320310425 refer to this as Midnight prospect but it is not. See 116. 0320310421 refers to a surface prospect that may be this site or an immediately adjacent site.					
REFERENCES					
Bonham, 1961; Bonham and Papke, 1969; Bonham and others, 1985; U.S. Bureau of Mines, 1995, Seq. 0320310376, 0320310421, 0320310424, 0320320425					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
406 Unnamed adit

OTHER NAME(S)

GEOLOGY

The detailed geology is unknown, but the adit is in Mesozoic Nightingale sequence of Bonham and Papke (1969) which consists of metamorphosed sedimentary rocks, slate, phyllite, hornfels, calcsilice hornfels, tactite, recrystallized limestone and dolomite, quartzite, and schist. Bonham (1961) noted pyrite and limonite. Sample 2887 taken from the small adit consists of oxidized, iron-stained vein material with arsenides, copper, and possible gold.

NO PROPERTY
407 Infant Mine

OTHER NAME(S)
Baby Mine

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Au(?)		High-sulfidation epithermal
QUAD SHEET					
Moses Rock					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ Sec. 23, T23N, R21E		4414330	276780	11	
PRODUCTION					
None(?).					
HISTORY					
Located 1876. Tunnel started with double shift of men to eventually reach an ore body in 3-4 weeks at 300'-400' depth. Relocated as Baby Mine 13 Jan 1899 by Anton Dragovich and Charles Rupert.					
DEVELOPMENT					
Tunnel, now caved, and small dump. Adit driven N50W.					
SAMPLE SITE(S)					
6184					
REMARKS					
REFERENCES					
Bonham and Papke, 1969; Bureau of Land Management Survey Map T23N, R21E, 1888; Nevada State Journal, 1876; Tingley and others, 1999; Washoe County Mining Claims Records, 1899					
FIELD EXAMINER(S)					
S.B. Castor, 10/6/1998					
OCCURRENCE					
Metallic					

NO PROPERTY
407 Infant Mine

OTHER NAME(S)
Baby Mine

GEOLOGY

Rock on dump displays silica-sericite alteration. Silicified rock with silicified fractures and ledges crops out above and north of adit. Fractures in rock display various orientations, but N45°W, 75°N and N75°W, 75°N are most prominent. Original wall rock is hard to determine, but is probably, highly altered tuff of Perry Canyon. Sample 6184 is from dump and contains pyrite, quartz, and alunite(?). No enargite was observed.

NO PROPERTY
408 Pacific Pyramid Mine
OTHER NAME(S)
Old Pacific Claim(?), see 422

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Au(?)		Unknown

QUAD SHEET					
Moses Rock					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 16, T23N, R21E		4414100	277080	11	

PRODUCTION					
None(?).					

HISTORY					
Located before 1888.					

DEVELOPMENT					
Adit(?).					

SAMPLE SITE(S)					

REMARKS					
1888 township platt shows mine slightly north of drainage. topographicmap shows an adit at same location but slightly south of drainage.					

REFERENCES					
Bonham and Papke, 1969; Bureau of Land Management Survey Map T24N, R21E, 1888					

FIELD EXAMINER(S)					
Not examined during this study.					

OCCURRENCE					
Metallic					

NO PROPERTY
408 Pacific Pyramid Mine
OTHER NAME(S)
Old Pacific Claim(?), see 422

GEOLOGY

Detailed geology is unknown, but mine is in Moicene tuff of Perry Canyon, which is commonly propylitically altered.

NO PROPERTY
409 Fly by Nite Mine
OTHER NAME(S)
Hot Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Au, U	Unknown

QUAD SHEET
Telephone Well

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 8, T23N, R26E	4413880	277460	11

PRODUCTION
Small(?). 20 tons of ore valued at \$30 per ton produced district-wide before 1940.

HISTORY
Truckee District founded in 1930. About 20 tons of ore produced district-wide before 1940. Newmont, American Selco, and Occidental Minerals conducted exploration in the 1970's. Eagle-Picher drilled completed 28 rotary drill holes by May 1983.

DEVELOPMENT
Prospect, adit(?)

SAMPLE SITE(S)

REMARKS
Location taken from prospect at MASMILS site. Nearest underground workings is an adit about 400 m to the southwest.

REFERENCES
Bonham and others, 1985; Harlan, 1984; U.S. Bureau of Mines, 1995, Seq. 0320010517; Willden and Speed, 1974

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
409 Fly by Nite Mine

OTHER NAME(S)

Hot Mine

GEOLOGY

Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic metavolcanic pyroclastic(?) rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton. Quartz veins, one massive calcite vein, and iron-stained shear zones cut the pre-Tertiary rocks around the margins of the pluton, but the metallic mineralization appears marginal (Willden and Speed, 1974). The shaft is near the contact of the Triassic-Jurassic(?) chloritic phyllite and the Cretaceous(?) granodiorite intruding it. The phyllite unit is propylitically altered and largely consists of olive to light gray, very fine-grained chlorite and schist with a well developed slaty cleavage. The phyllite is locally intercalated with greenschist, metagraywacke(?), and spotted schists, and consists of quartz, chlorite, sericite, chloritoid, clay and detrital(?) plagioclase. The granodiorite is light gray to green, medium-grained, and equigranular to slightly porphyritic (Harlan, 1984). Sample 2882 is a sample of weakly mineralized metasedimentary rock explored by the shaft (Bonham and others, 1985).

NO PROPERTY
410 Golden Eagle prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Au	Unknown

QUAD SHEET			
Telephone Well			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 08, T24N, R26E	4413740	277820	11

PRODUCTION
None(?). 20 tons of ore valued at \$30 per ton produced district-wide before 1940.

HISTORY
Truckee District founded in 1930. About 20 tons of ore produced district-wide before 1940. Newmont, American Selco, and Occidental Minerals conducted exploration in the 1970's. Eagle-Picher drilled completed 28 rotary drill holes by May 1983.

DEVELOPMENT
Prospect.

SAMPLE SITE(S)

REMARKS
Location taken from prospect at MASMILS site.

REFERENCES
U.S. Bureau of Mines, 1995, Seq. 0320010520; Willden and Speed, 1974

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
410 **Golden Eagle prospect**
OTHER NAME(S)

GEOLOGY

Detailed geology uncertain but prospect is located in Mesozoic metavolcanic rocks, largely meta-andesite (Willden and Speed, 1974).

NO PROPERTY
411 Porter and Squires prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee (Fireball)	Churchill	Pumice	Igneous
QUAD SHEET			
Telephone Well			
OWNERSHIP			
Celliter Corp.(?)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 18, T24N, R26E	4413520	278270	11
PRODUCTION			
Minor			
HISTORY			
Production from the pit has apparently been mainly diatomite.			
DEVELOPMENT			
Small pit covering about 2 ha. in 1986.			
SAMPLE SITE(S)			
REMARKS			
Location is pit at MASMILS location.			
REFERENCES			
U.S. Bureau of Mines, 1995, Seq. 0320010046; Willden and Speed, 1974			
FIELD EXAMINER(S)			
L.J. Garside, 5/10/2006			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
411 Porter and Squires prospect
OTHER NAME(S)

GEOLOGY

The pit is predominately in Tertiary diatomite, which underlies a basalt flow. About 6 m of white and light gray, banded silicic volcanic ash lies on diatomite and below the basalt flow.

NO PROPERTY
412 Unnamed quarry
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Stone	Igneous

QUAD SHEET			
Tule Peak			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 16, T24N, R21E	4414720	275940	11

PRODUCTION			

HISTORY			
Operation pre-dates 1957, on Sutcliffe 15' topo map.			

DEVELOPMENT			
Small pit probably covering less than 1 ha.			

SAMPLE SITE(S)			

REMARKS			
Quarry on Sutcliffe 15' topographicmap, but not on later maps. May be on USGS air photo VEU 4-73 (1954), but not obvious on other air photos.			

REFERENCES			
Bonham and Papke, 1969; U.S. Bureau of Mines, 1995, Seq. 0320310046			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
412 **Unnamed quarry**
OTHER NAME(S)

GEOLOGY

Detailed geology unknown, but pit is apparently in Oligocene tuffs of Whisky Spring (Faulds and others, 2003)..

NO PROPERTY
413 A.A. Jack Verdi Pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Crystal Peak	Washoe	Gravel, sand	Sedimentary
QUAD SHEET			
Verdi			
OWNERSHIP			
J.A.A. Construction Co. (1975)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 18, T19N, R18E	4414470	276320	11
PRODUCTION			
Small.			
HISTORY			
Pit started before 1956. 1975: Operated by J.A.A. Construction Co.			
DEVELOPMENT			
Small pit covering about 1 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Garside, 1987; Nevada State Inspector of Mines, 1976, 1977, 1978, 1979, 1980; U.S. Bureau of Mines, 1995, Seq. 0320310248; U.S. Geological Survey, 1956 (aerial photograph 233)			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
413 A.A. Jack Verdi Pit
OTHER NAME(S)

GEOLOGY

The detailed geology is uncertain, but the pit lies in Quaternary Truckee River outwash deposits largely consisting of reddish brown argillic soil locally containing large boulders and Quaternary landslide deposits from terrace deposits immediately to the east (Bell and Garside, 1987).

NO PROPERTY
414 Pyramid Sand and Gravel Pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Aggregate	Sedimentary
QUAD SHEET			
Wadsworth			
OWNERSHIP			
Pyramid Lake Indian Reservation (2005)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 4, T20N, R24E	4414190	276680	11
PRODUCTION			
Small.			
HISTORY			
Pit started between 1959 and 1974.			
DEVELOPMENT			
Pit covering less than 2 ha in 1980.			
SAMPLE SITE(S)			
REMARKS			
Pit nearest MASMILS location.			
REFERENCES			
Bonham and Papke, 1969; Nevada Department of Transportation, 1959c (aerial photograph 8-1); Nevada State Inspector of Mines, 1976; U.S. Bureau of Mines, 1995, Seq. 0320310205; U.S. Geological Survey, 1974 (aerial photograph 2-40); Washoe County Assessor,			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
414 Pyramid Sand and Gravel Pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain but pit is in Quaternary lake deposits, clay silt, sand and gravel (Bonham and Papke, 1969).

NO PROPERTY
415 Sloppy Weather Mine

OTHER NAME(S)
Sloppy Weather claims

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Ag, Au	Unknown
QUAD SHEET			
Olinghouse			
OWNERSHIP			
Gene Sackett and Douglas A. Hamilton (1992)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 22, N½ Sec. 23, T21N, R23	4413900	277040	11
PRODUCTION			
None(?).			
HISTORY			
Located in 1980 and 1981. 1982: Ma-Gar Mining and Exploration, Sloppy Weather Mines and Mill. 1992: Last assessment.			
DEVELOPMENT			
Group of 22 lode claims mostly in the N1/2 of sec. 22 and some in the N1/2 of sec. 23.			
SAMPLE SITE(S)			
REMARKS			
UTM taken from MASMILS location.			
REFERENCES			
Bonham and Papke, 1969; Nevada State Inspector of Mines, 1982; U.S. Bureau of Land Management, 1997b; U.S. Bureau of Mines, 1995, Seq. 0320310307			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
415 Sloppy Weather Mine

OTHER NAME(S)
Sloppy Weather claims

GEOLOGY

The area of the claims is underlain by Oligocene ash-flow tuffs and Miocene Pyramid sequence basalts and related sedimentary rocks. No further information is available; the claims may include workings described as no. 450 (OG44).

NO PROPERTY
416 Apex Tri Metals claims
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Washoe	Au, Cu		Unknown
QUAD SHEET					
Beddell Flat					
OWNERSHIP					
Ellis A. Jack, Dale E. Jack, Jack Alton, Richard Nash (1985).					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 4, NE ¼ Sec. 9, T22N, R19		4413650	277390	11	
PRODUCTION					
Unknown					
HISTORY					
Located in 1955. Last assessment in 1985.					
DEVELOPMENT					
2 claims.					
SAMPLE SITE(S)					
REMARKS					
Exact location uncertain. UTM taken from center of two quarter sections.					
REFERENCES					
Garside, 1993; U.S. Bureau of Land Management, 1997b; U.S. Bureau of Mines, 1995, Seq. 0320310194					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
416 Apex Tri Metals claims
OTHER NAME(S)

GEOLOGY

The detailed geology is unknown, but propsect is in Mesozoic Peavine sequence consisting of dark gray, meta-andesite, predominantly metamorphosed to biotite hornfels and schist (Garside, 1993).

NO PROPERTY
417 Carmen Placer Mine

OTHER NAME(S)
Carmen Placer Claims 1, 2 and Carmen Claims 3, 4

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Placer
QUAD SHEET			
Olinghouse			
OWNERSHIP			
Vincent and Lenita Cipponeri (1997)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 33, T21N, R23E	4413540	277630	11
PRODUCTION			
Small(?) Ore averaged \$5-17 per cubic yard for all placers.			
HISTORY			
Original discovery uncertain. Bulk of gold mined from placer operations occurred between 1897 and 1902 and was highest in 1900. Present claims located 1981 and 1983. 1983-1984: Harry R. McNicholes. 1996: Latest assessment.			
DEVELOPMENT			
Placer claim, prospects. Four placer claims.			
SAMPLE SITE(S)			
REMARKS			
MASMILS location.			
REFERENCES			
Bonham and Papke, 1969; Nevada State Inspector of Mines, 1982, 1983; Townley, 1985; U.S. Bureau of Land Management, 1997b; U.S. Bureau of Mines, 1995, Seq. 0320310310; Vanderburg, 1936.			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
417 Carmen Placer Mine

OTHER NAME(S)

Carmen Placer Claims 1, 2 and Carmen Claims 3, 4

GEOLOGY

The placer claims are located at the mouth of Olinghouse Canyon. The source was sheet, wire, and cluster gold occurring in stringers and veinlets of calcite and quartz and in pyrite and chalcopyrite along the Olinghouse fault in the vicinity of Green Hill. The channel containing the placers was erratic and locally up to 24 m wide and the pay dirt was 60-90 cm wide just above the bedrock. Vanderburg (1936) reported depth of placer between 3-8 m and averaging 6 m. The best values were in 1.5-1.8 m of gravel just above bedrock. The alluvium consists of subangular, unsorted, loosely cemented, locally clayey gravel about 90% of which is less than 3 cm across. Gold fineness averages 680.

NO PROPERTY
418 Lucky Strike claims
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Nightingale	Washoe	Au, U	Unknown
QUAD SHEET			
Russell Peak			
OWNERSHIP			
Jay Moser (1982)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 2, SE/4 Sec. 3, T24N, R24	4417220	319810	11
PRODUCTION			
None.			
HISTORY			
Located 1979. Last assessment 1982. Case closed 1983.			
DEVELOPMENT			
14 claims in SW1/4 and 5 claims in SE1/4 section.			
SAMPLE SITE(S)			
REMARKS			
Exact location unknown. UTMs taken from center of two quarter sections.			
REFERENCES			
Bonham and Papke, 1969; U.S. Bureau of Land Management, 1997b; U.S. Bureau of Mines, 1995, Seq. 0320310418, 0320310419			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
418 Lucky Strike claims
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but claims are in Oligocene ash-flow tuffs, variably welded, ranging from rhyolite to quartz latite in composition. Includes some beds of ash-fall tuff and lenses of clastic sediments. Ash-flow tuff typically consists of phenocrysts of quartz, plagioclase, alkali feldspar, and biotite in a matrix of devitrified glass shards.

NO PROPERTY
419 Pegmatite Nos. 14 and 15 Claims
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Nightingale	Washoe	Au, U	Unknown

QUAD SHEET			
Russell Peak			

OWNERSHIP			
Arthur and Geraldine Wilson and John B. and Helen V. Craig (1987)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 33, T25N, R24E	4413910	277940	11

PRODUCTION

HISTORY
Pegmatite claims located in 1979. Last assessment on claims 14 and 15 in 1983 and case closed in 1982.

DEVELOPMENT
Prospect. Pegmatite group consists of 14 claims in sections 33 and 34.

SAMPLE SITE(S)

REMARKS
UTMs taken from prospect at MASMILS location.

REFERENCES
Bonham and Papke, 1969; Garside, 1973; U.S. Bureau of Land Management, 1997b; U.S. Bureau of Mines, 1995, Seq. 0320310416

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
419 Pegmatite Nos. 14 and 15 Claims
OTHER NAME(S)

GEOLOGY

The uranium mineralization at this property is similar to and part of that described at the Lucky Day group (no. 142; Garside, 1973; Hurley and others, 1982).

NO PROPERTY
420 Black Warrior Claims

OTHER NAME(S)
Black Warrior prospect

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Nightingale	Washoe	Au	Unknown

QUAD SHEET

Russell Peak

OWNERSHIP

Nevada Land Investment Co. and Landsat Mineral Exploration Co. (1991)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 27, T24N, R24E	4413750	278380	11

PRODUCTION

HISTORY

Group of 80 claims located in 1988. Last assessment in 1990. Case closed in 1991.

DEVELOPMENT

Prospect. MASMILS notes surface and underground development at this location. Group of 80 claims located in sections 21, 22, 23, 26, and 27. Some wholly owned by Nevada Land, the rest wholly owned by Landsat.

SAMPLE SITE(S)

REMARKS

UTMs taken from prospect at MASMILS location 0320310420. Prospect at this location owned by Nevada Land Investment Co. 0320310422 and 0320310423 are in section 21 in granodiorite.

REFERENCES

Bonham, 1961; Bonham and Papke, 1969; Mason and others, 1996, Rec. M231149; U.S. Bureau of Land Management, 1997b; U.S. Bureau of Mines, 1995, Seq. 0320310420, 0320310422, 0320310423

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
420 **Black Warrior Claims**

OTHER NAME(S)
Black Warrior prospect

GEOLOGY

Bonham (1961) showed a prospect in Mesozoic gabbro with some limonite. Oligocene ash-flow tuff and Pyramid sequence basalt are found nearby (Bonham and Papke, 1969).

NO PROPERTY
421 Midas No. 7 Placer Claim

OTHER NAME(S)
Tiger Canyon placers; Tiger No. 1 Placer Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wadsworth	Washoe	Au	Placer

QUAD SHEET			
Wadsworth			

OWNERSHIP			
B. Myatt (1980)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 23, T21N, R23E	4415320	274040	11

PRODUCTION
Small(?) Ore averaged \$5-17 per cubic yard for all placers. Located as Tiger No. 1 in 1974 by H. Cameron and Assoc. Located as Midas No. 7 in 1980 by B. Myatt.

HISTORY
Early claims may been located before 1900(?). Bulk of gold mined from placer operations occurred between 1897 and 1902 and was highest in 1900.

DEVELOPMENT

SAMPLE SITE(S)

REMARKS
UTMs taken from MASMILS location.

REFERENCES
Bonham and Papke, 1969; Townley, 1985; U.S. Bureau of Mines, 1995, Seq. 0320310098; Washoe County Mining Claims Platt, 1974, 1980

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
421 Midas No. 7 Placer Claim

OTHER NAME(S)

Tiger Canyon placers; Tiger No. 1 Placer Claim

GEOLOGY

Detailed geology is uncertain, but placers lie in Quaternary alluvial fan deposits (Bell and others, 2005). In the area, the units containing the placer gold vary from 4.5-23 m thick and consist of several members of clast-supported conglomerate, gravel, and sand in a matrix of brownish-red clay. The clasts are derived from lode vein material and consist of about 80% hard, unaltered andesite, basalt, and dacite, about 20% clay-altered volcanic rocks, and 1-2% propylitically altered volcanic rocks. These were deposited in a braided stream environment of an alluvial fan. The grade was 0.01-0.025 oz per cubic yard with the higher grades near the bedrock. The overburden consists of 3.5-9 m of soil, gravel, and caliche. The bedrock consists of clay-altered rock, generally too altered to identify. Nearby hydrothermally altered ash-flow tuffs have been mapped as the tuffs of Whisky Spring (Bell and others, 2005).

NO PROPERTY
422 Old Pacific Claim

OTHER NAME(S)

Mineral Survey 3177A; Pacific Pyramid Mine(?), see 408; Old Pacific Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown
QUAD SHEET			
Moses Rock			
OWNERSHIP			
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 16, T23N, R21E	4415260	274060	11
PRODUCTION			
None(?)			
HISTORY			
Located 1 Jan 1896 by. J. O'Leary for A. Dragovich. Acquired by Pacfic Consolidated Mining Co., surveyed 1907, and patented 1910.			
DEVELOPMENT			
Discovery shaft in center of claim. Patented claim. Old Pacific Mill Site, located and surveyed in 1907 and patented in 1910, is located in SE/4 of section 15. Part of Old Pacific Group.			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from center of claim.			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975.			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
422 Old Pacific Claim

OTHER NAME(S)

Mineral Survey 3177A; Pacific Pyramid Mine(?), see 408; Old Pacific Group

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon. The claim is in the vicinity of no. 416 and 152.

NO PROPERTY
423 New Eldorado Claim
OTHER NAME(S)
Mineral Survey 3177A; Old Pacific Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET

Moses Rock

OWNERSHIP

Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 15, T23N, R21E	4415020	274210	11

PRODUCTION

None(?)

HISTORY

Located 4 Jan 1899 by H. B. Miller for John S. Gilson. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.

DEVELOPMENT

Discovery shaft in center of claim. Patented claim. Part of Old Pacific Group.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of claim.

REFERENCES

Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975.

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
423 New Eldorado Claim

OTHER NAME(S)
Mineral Survey 3177A; Old Pacific Group

GEOLOGY

Detailed geology uncertain, but claim is in altered tuff of Perry Canyon in the area of the Cinch Mine (no. 152).

NO PROPERTY
424 Last Chance Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Mt. Davison Mine; Mt. Davison Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	High-sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 15, NW¼ Sec. 22, T23N,	4414870	273980	11
PRODUCTION			
None(?)			
HISTORY			
Relocation of Mt. Davison Claim on 9 Oct 1897 and 11 May 1899 by Spiro Francovich. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.			
DEVELOPMENT			
Discovery shaft in center of claim. Patented claim. Just southwest of and partially overlaps Juniper Mill Site, which as located and surveyed 1880. Part of Old Pacific Group.			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from center of claim.			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975; Washoe County Mining Claims Records, 1897, 1899			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
424 Last Chance Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Mt. Davison Mine; Mt. Davison Claim

GEOLOGY

Detailed geology uncertain, but the claim is in the general area of the Cinch Mine(152), in hydrothermally altered Miocene tuff of Perry Canyon.

NO PROPERTY

425 Griff Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET

Moses Rock

OWNERSHIP

Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 22, T23N, R21E	4415040	273960	11

PRODUCTION

None(?)

HISTORY

Located 19 Jul 1902 by H. L. Cowles. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.

DEVELOPMENT

Discovery shaft in center of claim. Patented claim. Part of Old Pacific Group.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of claim.

REFERENCES

Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975.

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY

425 Griff Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon.

NO PROPERTY
426 New York Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Red Rover Ledge

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET

Moses Rock

OWNERSHIP

Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 22, T23N, R21E	4414930	274020	11

PRODUCTION

None(?)

HISTORY

Located 25 Apr 1902 by William M. Earl. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.

DEVELOPMENT

Discovery shaft in center of claim. Patented claim. Part of Old Pacific Group.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of claim.

REFERENCES

Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975.

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
426 New York Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Red Rover Ledge

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon in the vicinity of the Jones Kincaid Mine (no. 50).

NO PROPERTY
427 Brooklyn Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Red Rover Ledge

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET

Pah Rah Mtn

OWNERSHIP

Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 22, W½ Sec. 23, T23N, R21	4414250	274390	11

PRODUCTION

None(?)

HISTORY

Located 25 Apr 1902 by Stewart H. Congdon. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.

DEVELOPMENT

Discovery shaft in center of claim. Patented claim. Part of Old Pacific Group.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of claim.

REFERENCES

Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975.

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
427 **Brooklyn Claim**

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Red Rover Ledge

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon in the vicinity of the Jones Kincaid Mine (no. 50).

NO PROPERTY
428 Montenegro Claim
OTHER NAME(S)
Mineral Survey 3177A; Old Pacific Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET			
Moses Rock			

OWNERSHIP			
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 23, T23N, R21E	4414140	274470	11

PRODUCTION			
None(?)			

HISTORY			
Located 9 May 1899 by Spiro Francovich. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.			

DEVELOPMENT			
Discovery shaft in center of claim, with another shaft about 250' southeast. Patented claim. Part of Old Pacific Group.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center of claim.			

REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975.			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Metallic			

NO PROPERTY
428 Montenegro Claim

OTHER NAME(S)
Mineral Survey 3177A; Old Pacific Group

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon in the vicinity of the Jones Kincaid Mine (no. 50).

NO PROPERTY
429 Lucky Bob Claim
OTHER NAME(S)
Mineral Survey 3177A; Old Pacific Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET

Moses Rock

OWNERSHIP

Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 23, T23N, R21E	4383460	258120	11

PRODUCTION

None(?)

HISTORY

Located 23 Jul 1902 by R. W. Perry. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.

DEVELOPMENT

Discovery shaft in center of claim, with another shaft about 200' west. Patented claim. Part of Old Pacific Group.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of claim.

REFERENCES

Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975.

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
429 Lucky Bob Claim

OTHER NAME(S)
Mineral Survey 3177A; Old Pacific Group

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon in the vicinity of the Jones Kincaid Mine (no. 50).

NO PROPERTY
430 Liberty Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET

Moses Rock

OWNERSHIP

Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 15, SE¼ Sec. 16, NE¼ Se	4385190	250570	11

PRODUCTION

None(?)

HISTORY

Relocation of an earlier claim on 1 Jan 1899 by H. B. Miller. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.

DEVELOPMENT

Discovery shaft in center of claim, with a short cut about 200' WNW. Patented claim. Part of Old Pacific Group.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of claim.

REFERENCES

Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975; Washoe County Mining Claims Records, 1899

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
430 Liberty Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon in the vicinity of the Cinch Mine (no. 152).

NO PROPERTY
431 Wichita Claim
OTHER NAME(S)
Mineral Survey 3177A; Old Pacific Group; Mt. Davidson Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET

Moses Rock

OWNERSHIP

Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 22, T23N, R21	4386250	250980	11

PRODUCTION

None(?)

HISTORY

Relocation of Mt. Davidson Claim on 1 Jan 1899 by Antone Dragovich. Acquired by Pacific Consolidated Mining Co., surveyed 1907, and patented 1910.

DEVELOPMENT

Discovery shaft in center of claim. Patented claim. Part of Old Pacific Group.

SAMPLE SITE(S)

REMARKS

UTMs taken from center of claim.

REFERENCES

Bonham and Papke, 1969; USBLM Claim Survey Map, 1908; Washoe County Assessors Map Book, 1975; Washoe County Mining Claims Records, 1899

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
431 Wichita Claim

OTHER NAME(S)

Mineral Survey 3177A; Old Pacific Group; Mt. Davidson Claim

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon.

NO PROPERTY
443 Juno Claim

OTHER NAME(S)
Mineral Survey 3018A; Giant Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	High-sulfidation epithermal

QUAD SHEET
Fraser Flat

OWNERSHIP
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec 17, T23N, R21	4394360	294535	11

PRODUCTION
None(?)

HISTORY
Giant Mine was relocation of an earlier claim made 1 Jan 1899 by S. Trumball. Giant relocated as Juno on 9 Nov 1899 by F. O. Norton. Acquired by the Pyramid Consolidated Mines Co., surveyed 1907, and patented 1908.

DEVELOPMENT
Patented claim. Juno Mill Site, located 1902 and surveyed 1907 and patented 1908, located in NE1/4.

SAMPLE SITE(S)

REMARKS
UTMs taken from discovery shaft.

REFERENCES
Bonham and Papke, 1969; Garside and others, 2003; USBLM Claim Survey Map, 1907; Washoe County Assessors Map Book, 1975; Washoe County Mining Claims Records, 1899; Washoe County Mining Claims Records, 1899

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY

443 Juno Claim

OTHER NAME(S)

Mineral Survey 3018A; Giant Mine

GEOLOGY

Detailed geology uncertain, but claim is in Miocene tuff of Perry Canyon which is locally intruded by andesite dikes; a northeast-striking quartz vein with advanced argillic alteration passes through the claim area (Garside and others, 2003).

NO PROPERTY
444 Pioneer Claim
OTHER NAME(S)
Mineral Survey 3019A; Vulture Claim.

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	High-sulfidation epithermal

QUAD SHEET
Fraser Flat

OWNERSHIP
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec 17, NE ¼ Sec. 20, T23N, R2	4395620	294820	11

PRODUCTION
None(?)

HISTORY
Relocation of Vulture Claim on 1 Jan 1899 by E. Palmer and Julia A. Blasdel. Acquired by the Pyramid Consolidated Mines Co., surveyed 1907, and patented 1908.

DEVELOPMENT
1907: Shaft with 120 m of workings.

SAMPLE SITE(S)

REMARKS
UTMs taken from shaft (propsect on topographicmap).

REFERENCES
Bonham and Papke, 1969; Garside and others, 2003; Washoe County Assessors Map Book, 1975; Washoe County Mining Claims Records, 1899

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
444 **Pioneer Claim**

OTHER NAME(S)
Mineral Survey 3019A; Vulture Claim.

GEOLOGY

Detailed geology uncertain, but claim is in the Miocene tuff of Perry Canyon in the vicinity of an andesite dike; a northeast-striking quartz vein with advanced argillic alteration passes through the claim area (Garside and others, 2003).

NO PROPERTY
445 Crescent Claim

OTHER NAME(S)
Mineral Survey 3019A

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET
Fraser Flat

OWNERSHIP
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 20, NW¼ Sec. 21, T23N, R	4417920	267510	11

PRODUCTION
None(?)

HISTORY
Located 29 Nov 1899 by F. O. Norton. Acquired by the Pyramid Consolidated Mines Co., surveyed 1907, and patented 1908.

DEVELOPMENT
Patented claim. Crescent Mill Site, located 1902 and surveyed 1907 and patented 1908, located in NE1/4, section 17.

SAMPLE SITE(S)

REMARKS
UTMs taken from discovery cut.

REFERENCES
Bonham and Papke, 1969; Garside and others, 2003; Washoe County Assessors Map Book, 1975.

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
445 Crescent Claim

OTHER NAME(S)
Mineral Survey 3019A

GEOLOGY

Detailed geology uncertain, but the claim is located in Miocene tuff of Perry Canyon (Garside and others, 2003). Extensive propylitic alteration is common (Bonham and Papke, 1969).

NO PROPERTY
446 Vesta Claim
OTHER NAME(S)
Mineral Survey 3019A

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Unknown

QUAD SHEET
Fraser Flat

OWNERSHIP
Golden Crescent Corp. c/o Resource Exchange Corp. (1998)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 21, T23N, R21	4381440	255500	11

PRODUCTION
None(?)

HISTORY
Located 29 Nov 1899 by F. O. Norton. Acquired by the Pyramid Consolidated Mines Co., surveyed 1907, and patented 1908.

DEVELOPMENT
Patented claim.

SAMPLE SITE(S)

REMARKS
UTMs taken from discovery cut.

REFERENCES
Bonham and Papke, 1969; Garside and others, 2003; Washoe County Assessors Map Book, 1975.

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
446 Vesta Claim

OTHER NAME(S)
Mineral Survey 3019A

GEOLOGY

Detailed geology uncertain, but the claim is located in Miocene tuff of Perry Canyon (Garside and others, 2003). Extensive propylitic alteration is common (Bonham and Papke, 1969).

NO PROPERTY
447 Porcupine claim

OTHER NAME(S)

Mineral Survey No. 2011; Porcupine Iron Mine; Riter Iron Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Fe; Au(?)	Igneous
QUAD SHEET			
Reno			
OWNERSHIP			
Henry Riter (1920)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 26, T20N, R19E	4408000	291540	11
PRODUCTION			
None(?).			
HISTORY			
Located 1897 by Henry Riter and surveyed 1901. Kept current through 1920.			
DEVELOPMENT			
Shaft, drift, cabin, and NCO Railroad in 1902. Now under industrial buildings.			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from shaft.			
REFERENCES			
Bonham and Bingler, 1973; BLM Claim Survey Map, 1902; Washoe County Mining Claims Records, 1897, 1920			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
447 Porcupine claim

OTHER NAME(S)

Mineral Survey No. 2011; Porcupine Iron Mine; Riter Iron Mine

GEOLOGY

Detailed geology is uncertain but claim is in Miocene Alta Formation, which consists of dark brown pyroxene andesite flows, flow breccia, and laharic breccia that is commonly altered to tan rock composed of quartz, sericite, and clay minerals or proylitized to gray green rock containing chlorite, calcite, albite, epidote, and clay minerals (Bonham and Bingler, 1973).

NO PROPERTY
448 Lenard Lode

OTHER NAME(S)
Mineral Survey No. 37

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?)	High-sulfidation epithermal

QUAD SHEET
Verdi

OWNERSHIP
Cable Consolidated Gold and Silver Mining Co. (1875).

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec., 24, T20N, R18E	4412143	277026	11

PRODUCTION
None(?).

HISTORY
Owned by Cable Consolidated Gold and Silver Mining Co. in 1875. Surveyed 1875.

DEVELOPMENT
Shaft near center of claim in 1875. Partially overlain by Golden Fleece claim. Dump and caved adit at sample site.

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bell and Garside, 1987; USBLM Claim Survey Map, 1875.

FIELD EXAMINER(S)
L.J. Garside, 5/8/1985

OCCURRENCE
Metallic

NO PROPERTY
448 Lenard Lode

OTHER NAME(S)
Mineral Survey No. 37

GEOLOGY

Bsed on dump material, a completely caved and overgrown adit penetrated silicified, argillized, and pyritized Mesozoic Peavine sequence metavolcanic rock (Bell and Garside, 1987). There is some quartz vein material on the dump as well as a considerable amount of pyrite. Sample 3328 (Ve-122g) is a select sample of pyrite and white vein quartz from the dump.

NO PROPERTY

449 Poe Claim

OTHER NAME(S)

Poe Lode; Poe Mine; Mineral Survey No. 38.

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	High-sulfidation epithermal
QUAD SHEET			
Verdi			
OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 24, T20N, R18E	4376960	272640	11
PRODUCTION			
Small(?)			
HISTORY			
Located 10 Jul 1872 by John Poe, G. W. Hopkins, and W. L. Ross. Consolidated Poe Mining Company owned claim in 1876. Claim surveyed 1876 and patented 1896(?). Part of Fravel-Paymaster Mining Co. Claims by 1921.			
DEVELOPMENT			
1876: 52 m long tunnel trending SSW with adit on south end and cut on north end. Claim also contains shaft at center. Topo map shows a prospect symbol at the shaft and tunnel.			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from prospect at tunnel. Part of Fravel-Paymaster group of patented claims (See 46, 112, 465-479)			
REFERENCES			
Bonham and Papke, 1969; Earl, 1991; Hill, 1915; BLM Claim Survey Map, 1876, 1921			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY

449 Poe Claim

OTHER NAME(S)

Poe Lode; Poe Mine; Mineral Survey No. 38.

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
450 Unnamed adit
OTHER NAME(S)
OG44

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Quartz vein
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 21, T21N, R23E	4384100	264300	11
PRODUCTION			
None(?)			
HISTORY			
DEVELOPMENT			
Adit(?), probably caved, with moderate-sized dump.			
SAMPLE SITE(S)			
4158			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; L.J. Garside, unpublished data, 1990			
FIELD EXAMINER(S)			
L.J. Garside, 8/16/1990			
OCCURRENCE			
Metallic			

NO PROPERTY
450 Unnamed adit

OTHER NAME(S)

OG44

GEOLOGY

An adit or shaft, now completely caved and/or filled with stream wash, apparently explored sparse quartz veinlets and narrow veins in propylitically altered Miocene basaltic andesite of the Pyramid sequence. The vein material noted on the dump (rare) is usually less than 1 cm wide veins of open-space quartz. Andesite is locally pyritized, and white calcite vein material apparently unrelated to the quartz mining contains crystals of gypsum 3 mm by 1.5 mm. Sample 4158 is of select quartz vein material from dump.

NO PROPERTY
451 Emma L. patented claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Mineralized fault zone
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 15, T21N, R23E	4417330	323260	11
PRODUCTION			
Small(?)			
HISTORY			
Located about 1900(?).			
DEVELOPMENT			
Adit and shaft, patented claim.			
SAMPLE SITE(S)			
4159			
REMARKS			
Center of claim, 4395480N, 294740N			
REFERENCES			
Bonham and Papke, 1969; Washoe County Assessors Map, 1996			
FIELD EXAMINER(S)			
L.J. Garside, 8/17/1990			
OCCURRENCE			
Metallic			

NO PROPERTY
451 Emma L. patented claim
OTHER NAME(S)

GEOLOGY

Workings are along an approximately N45°E zone which is nearly vertical and cuts the tuff of Painted Hills. Very sparse chalcedonic quartz vein material with finely crystalline pyrite was noted on the dump. The fault zone is intruded by a post-alteration basalt dike about 100 m to the southwest. The wall rock in the vicinity of the fault is argillized, bleached, and locally silicified. Sample 4159 is of select sparse, pyrite-bearing chalcedonic vein material was collected from the dump.

NO PROPERTY
452 Winnemucca Hills prospect
OTHER NAME(S)
Double Jack placer claim

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Washoe	U		Sandstone uranium
QUAD SHEET					
Tule Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ NE¼ Sec. 10, T23N, R20E		4391620	292760	11	
PRODUCTION					
None.					
HISTORY					
DEVELOPMENT					
Bulldozer cuts.					
SAMPLE SITE(S)					
REMARKS					
UTMs at prospect on map near location from Cupp and others (1977).					
REFERENCES					
Cupp and others, 1977; Hurley and others, 1982; Faulds and others, 2003					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
452 Winnemucca Hills prospect

OTHER NAME(S)
Double Jack placer claim

GEOLOGY

Thin clay beds in Pliocene to Pleistocene(?) sedimentary rocks (Faulds and others, 2003) contain 15 to 32 ppm U₃O₈. Uranium is in disequilibrium in favor of equivalent uranium (Cupp and others, 1977, p. 28). The sedimentary rocks are cut by a strand of the Warm Springs Valley fault system.

NO PROPERTY
453 Reno Fire Clay Company claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Clay	Clay
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 33(?), T20N, R19E	4392290	295470	11
PRODUCTION			
None(?).			
HISTORY			
Reno Fire Clay Company claim located 27 June 1874 by Tyson, R. Greely, and John Hallahan 2.5 mi. northwest of Reno.			
DEVELOPMENT			
1874 claim. McLain, A. (oral communication, 1997) states several pits of uncertain age exist along west side of Rancho San Rafael Park.			
SAMPLE SITE(S)			
REMARKS			
Exact location unknown. UTM's taken from a point 2.5 mi. northwest of Courthouse.			
REFERENCES			
Bonham and Bingler, 1973; Washoe County Minng Records, 1866-1896			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
453 Reno Fire Clay Company claim
OTHER NAME(S)

GEOLOGY

May be either clay within the Tertiary Sandstone of Hunter Creek or clay-altered Tertiary Alta Formation (Bonham and Bingler, 1973).

NO PROPERTY
454 Group of 12 coal claims
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Coal	Sedimentary

QUAD SHEET

Pah Rah Mtn.

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ Sec. 5, T22N, R23E	4391900	296580	11

PRODUCTION

None

HISTORY

On 19 August 1875, 24 men, mostly from Reno, claimed 12 320 acre coal claims, 1 for each two men. Claims were along a "deep canyon" and near the "valley south of Pyramid Lake".

DEVELOPMENT

12 claims of 320 acres each located in 1875. No workings observed in 1999.

SAMPLE SITE(S)

REMARKS

Location based on occurrence of plant fragments. 12 claims of 320 acres each cover 6 square miles and probably parts of sections 4, 6, and 7 and probably sections 32 and 33 of T23N, R23E.

REFERENCES

Bonham and Papke, 1969; Washoe County Minng Records, 1866-1896

FIELD EXAMINER(S)

L.J. Garside and J.V. Tingley, 4/27/1999

OCCURRENCE

Nonmetallic

NO PROPERTY
454 Group of 12 coal claims
OTHER NAME(S)

GEOLOGY

In Coal Canyon (Coal Creek on the Pah Rah Mtn topographic map) 2-6 m of arkosic wacke and lignitic mudstone containing poorly preserved leaf fossil are found locally at the base of Oligocene ash-flow tuffs on the Pah Rah Formation (Bonham and Papke, 1969). The Pah Rah Formation consists of andesite lahars with a few clasts of granitic rock. A vein of coal 4 ft thick was reported in the Nevada State Journal in 1875 (Garside and others, 1980). However, all that was seen in a 1999 visit was a few carbonized leaves and limb fragments in a 1-m thick olive volcanoclastic sandstone and siltstone that crops out just below the Oligocene ash-flow tuffs. The coal thickness reported is almost certainly hyperbole.

NO PROPERTY
455 Silver Fox prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Pb, Sb, Cu, Au	Igneous
QUAD SHEET			
Moses Rock			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 27, T23N, R21E	4425640	305210	11
PRODUCTION			
HISTORY			
No records of a Silver Fox claim at Washoe County for 1940-1999.			
DEVELOPMENT			
Surface and underground exploration prospect			
SAMPLE SITE(S)			
REMARKS			
Location taken from MASMILS.			
REFERENCES			
Bonham and Papke, 1969; Garside and others, 2003; U.S. Bureau of Mines, 1995, Seq. 0320310061			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
455 Silver Fox prospect
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but the claim is in the Oligocene tuff of Chimney Spring, in the vicinity of an andesite dike (Garside and others, 2003).

NO PROPERTY
456 Baker Quarry
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Aggregate	Volcanic

QUAD SHEET			
Vista			

OWNERSHIP			
Martin Marietta Materials, Inc. (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 16, T19N, R21E	4405410	292270	11

PRODUCTION			
Small(?).			

HISTORY			
Pit started before 1940. Prior to 1945, basalt adjacent to this quarry was quarried by SPRR for ballast and at one time had a tram leading down to a crusher along the tracks. Owned by Robert Baker in 1945.			

DEVELOPMENT			
Quarry.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bell and Bonham, 1987; Fairchild Aerial Surveys, 1940, (aerial photograph 213); Humphrey, 1945; Tingley and others, 1999; Washoe County Assessor, 2005, APN 8408026			

FIELD EXAMINER(S)			
S.B. Castor, 11/1998			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
456 Baker Quarry

OTHER NAME(S)

GEOLOGY

Quarry is in about a 30 m thick deposit dull white rhyolitic tuff commonly containing pumice fragments. The tuff is covered to the west by reddish brown porphyritic andesite and on the northeast by dense black basalt with a glassy matrix (Humphrey, 1945). Bell and Bonham (1987) show the quarry lies partly in Miocene Kate Peak Formation, which consists of porphyritic dacite and rhyodacite flows, domes, pyroclastic flows, lahars, plugs and dikes, and air-fall tuff with minor tuffaceous sedimentary rocks, and also partly in within Miocene Washington Hill Rhyolite, which consists of rhyolitic air-fall tuff, pyroclastic flows, and waterlaid tuff and tuffaceous mudstone. The basalt is part of the Miocene Lousetown Formation, which consists of flows of dark gray to black, brown-weathering platy pyroxene basaltic andesite to olivine-pyroxene basalt.

NO PROPERTY
457 Lucky Strike Claim No. 2
OTHER NAME(S)
Mineral Suvey No. 4849; Locality RVT146

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High sulfidation epithermal

QUAD SHEET			
Vista			

OWNERSHIP			
Arthur C. Vaughn (1960)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
~Center NE¼ NW¼ sec. 28, T20N, R	4412610	288480	11

PRODUCTION			
None(?)			

HISTORY			
Claim was surveyed in 1959. Mineral Survey was cancelled 1 Jan 1979			

DEVELOPMENT			
One of four claims in MS 4849. Two shafts (caved near collars), one 6 m adit ~100 m south.			

SAMPLE SITE(S)			

REMARKS			
Dumps of shafts suggest <100 m of workings; UTM location at shafts.			

REFERENCES			
Bell and Bonham, 1987; Tingley and others, 1999; USBLM Mineral Survey Platt, 1960			

FIELD EXAMINER(S)			
L.J. Garside, 6/19/1997.			

OCCURRENCE			
Metallic			

NO PROPERTY
457 Lucky Strike Claim No. 2
OTHER NAME(S)
Mineral Suvey No. 4849; Locality RVT146

GEOLOGY

The shafts at this property were apparently placed to explore N45-50°W, 80°SE-90° iron-stained breccia zones in an irregular northeast-striking silicified ledge about 30 m long in Tertiary Alta Formation. The short adit to the south is on the margin of a larger, irregular quartz-alunite body (Bell and Bonham, 1987). Locally, finely crystalline, sugary quartz stockworks are observed in the commonly brecciated silicified (quartz±alunite) ledges.

NO PROPERTY
458 FN Nos. 1-18 (W/2) claims; Hot Nos. 1-18 (E/2) claims
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Au(?)	Mineralized metasediments
QUAD SHEET			
Telephone Well			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 4, T23N, R26E	4386340	250550	11
PRODUCTION			
None.			
HISTORY			
Prospects on topographic map (1986). Latest claims located by T. A. Ehrhart, C. Mabarah, and J. V. Lebret in 1985 (FN) and Santa Fe Pacific in 1990 (Hot) and all dropped in 1991. Drilled in 1988.			
DEVELOPMENT			
Block of claims and associated propsects. Rotary drill holes.			
SAMPLE SITE(S)			
REMARKS			
UTM from center of claim block.			
REFERENCES			
Harlan, 1984; U.S. Bureau of Land Management, 1997b; Willden and Speed, 1974			
FIELD EXAMINER(S)			
L.J. Garside, 11/11/1988.			
OCCURRENCE			
Metallic			

NO PROPERTY
458 FN Nos. 1-18 (W/2) claims; Hot Nos. 1-18 (E/2) claims

OTHER NAME(S)

GEOLOGY

Fireball Ridge consists of a pre-Tertiary sequence of schistose and phyllitic metavolcanic pyroclastic(?) rocks overlain by a sequence of phyllite and slate and intruded by a quartz diorite to gabbroic pluton. Quartz veins, one massive calcite vein, and iron-stained shear zones cut the pre-Tertiary rocks around the margins of the pluton, but the metallic mineralization appears marginal (Willden and Speed, 1974). The bulk of the claims are in the Quaternary older alluvium, which consists of dissected alluvial fans, landslide deposits, and locally some pediment gravels.

NO PROPERTY
459 Unnamed Mine

OTHER NAME(S)

OG63x

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 28, NW¼ Sec. 33, T21N,	4386180	250320	11
PRODUCTION			
None(?)			
HISTORY			
DEVELOPMENT			
Several short, caved adits; prospect pits.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Beers, 1960b; Bonham and Papke, 1969; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 6/11/1991			
OCCURRENCE			
Metallic			

NO PROPERTY
459 **Unnamed Mine**
OTHER NAME(S)
OG63x

GEOLOGY

Workings explore bleached and iron-stained dacitic dike rock adjacent to its contact with basalt flows of the Miocene Pyramid sequence.

NO PROPERTY
460 Unnamed Mine
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Placer(?)
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NW¼ SE¼ Sec. 27, T21N, R23E		4385770	250120	11	
PRODUCTION					
None(?)					
HISTORY					
The alluvial fan gravels in Sec. 26 and 27 were explored by the Natomas Co. from 1939-1954.					
DEVELOPMENT					
13 m shaft in alluvium between two large bedrock outcrops.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Beers, 1960b; Bonham and Papke, 1969; Vanderburg, 1936					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
460 **Unnamed Mine**

OTHER NAME(S)

GEOLOGY

The shaft is in the alluvial fan of Frank Free Canyon. According to Bonham and Papke (1969, p. 76), this fan contains one of the the most extensive placer areas in the Olinghouse district. Tischler and others (1964, p. 15) reported that the gravel was tested by four shafts and numerous churn drill holes. The shaft samples assayed from 8 cents to 94 cents per cubic yard and the churn drill samples averaged 23.66 cents per cubic yard (at \$35/oz gold) for 10,391,000 cubic yards (nearly 8 million cubic m) to a depth of 75 ft (22.9 m). The churn drilling did not define the limits of the auriferous gravels (Bonham and Papke, 1969).

NO PROPERTY
461 White Horse No. 2 Placer Claim

OTHER NAME(S)
Butcher Boy No. 4 Placer Claim

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Placer(?)

QUAD SHEET			
Wadsworth			

OWNERSHIP			
J. Mongolo (1982)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 26, T21N, R23E	4386720	250410	11

PRODUCTION
None(?)

HISTORY
Workings may pre-date these claim. Located as White Horse No. in 1974 by H. Cameron and Assoc. Located as Butcher Boy No. 4 in 1982 by J. Mongolo.

DEVELOPMENT
2 m shaft.

SAMPLE SITE(S)

REMARKS

REFERENCES
Beers, 1960b; Bonham and Papke, 1969; Vanderburg, 1936; Washoe County Mining Claims Platt, 1974, 1982

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
461 White Horse No. 2 Placer Claim

OTHER NAME(S)
Butcher Boy No. 4 Placer Claim

GEOLOGY

Gold-bearing alluvial gravels in the fans from Frank Free and Olinghouse canyons have been explored a number of times (Bonham and Papke, 1969, p. 76). The shaft may date from the work done by the Natomas Co. in the 1939-1954 period. See no. 43 and 460 for more details.

NO PROPERTY
462 Unnamed prospects
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Nightingale		Washoe	Au(?)		Vein(?)
QUAD SHEET					
Russell Peak					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ Sec. 22, T24N, R24E		4386850	251050	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Eight prospects.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Bonham, 1961; Bonham and Papke, 1969.					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
462 Unnamed prospects
OTHER NAME(S)

GEOLOGY

Bonham (1961) noted limonite and pyrite at prospects in Mesozoic gabbro which is overlain by and faulted against Miocene Pyramid sequence basalt flows..

NO PROPERTY
463 Paiute Group

OTHER NAME(S)
Paiute Project

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Ag, Au	Vein
QUAD SHEET			
Pah Rah Mtn.			
OWNERSHIP			
Denison Mines (U. S.), Inc.(1981-1990); Bristlecone Mining Co. (1987-1990); City Gold Corp.			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Parts of Secs. 8, 9, 16-18, 20, 29, T2	4386210	250720	11
PRODUCTION			
None.			
HISTORY			
92 claims located by Denison Mines in 1981 (listed under R. M. Caldwell). Sampled and drilled in 1984. Bristlecone Mining Co. acquired interest in 1987 and City Gold in 1988. Last assessment year 1990. Case closed 1993.			
DEVELOPMENT			
92 contiguous claims, drill holes			
SAMPLE SITE(S)			
REMARKS			
UTMs taken from center of claim block. Also see no. 45 and 730.			
REFERENCES			
Denison Mines, 1981-1991; U.S. Bureau of Land Management, 1997b			
FIELD EXAMINER(S)			
J.V. Tingley, 1999			
OCCURRENCE			
Metallic			

NO PROPERTY
463 Paiute Group

OTHER NAME(S)
Paiute Project

GEOLOGY

The Paiute group of claims is largely underlain by Oligocene rhyolitic ash-flow tuffs, and on the east side by the Miocene Pyramid sequence. Dennison Mines (1981-1991) described three members in the ash-flow tuff unit. The lower member is a sequence of moderately welded, gray to blue gray, rhyolitic lapilli tuff and lithic tuff with interbeds of volcanic sandstone and conglomerate. The middle member consists of a unit of welded gray rhyolitic crystal tuff, commonly bleached, argillized, and goethite-stained, and overlain by a unit of usually less altered purple lapilli tuff. The upper member consists of purple welded lapilli tuffs and agglomerate. The Pyramid Formation consists largely of unaltered basalt and andesite flows. The main structural feature is a N90°E, 70°E fault, referred to as the Paiute fault. The north side is dropped down about 120 m with respect to the south side, and the fault plane has been silicified and explored by numerous prospect pits. The property is also cut by a number of northeast-striking faults and lineaments, several of which contain silicified and argillized zones. The northeast-striking faults are cut by east-west and northwest-striking faults. Two types of alteration are present: argillic alteration, and silicification in the form of stockwork quartz and quartz-pyrite veinlets. The gold and silver anomalies occur in the veins in argillized tuffs. The veins also contain adularia, calcite, pyrite, hematite, barite, caly, gypsum and trace argentite. A rock chip sampling survey indicated two broad areas of low grade mineralization containing erratic, high-grade gold/silver vales throughout. One zone is on the east end of the Paiute fault and the other is 360 m to the west. Significant zones hit by drilling showed assays ranging from 0.018-0.37 opt gold and 0.02-11.95 opt silver (Dennison Mines, 1981-1990).

NO PROPERTY
464 Pyramid Lake Property

OTHER NAME(S)
Guanomi Property

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Cu, Mo	Porphyry Cu-Mo

QUAD SHEET			
Pah Rah Mtn.			

OWNERSHIP			
Pyramid Lake Paiute Indian Reservation			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Parts of Secs. 23-26, T23N, R22E	4385720	250270	11

PRODUCTION
None.

HISTORY
American Selco, Inc., leased Secs. 23, 24, 26; SE/4, Sec. 22; E/2, Sec. 27; N/2 Sec 25; T23N, R22E; and SW/4, Sec 19, T23N, R23E, from Bureau of Indian Affairs. Conducted geophysical and geochemical surveys and drilling in 1971-1972.

DEVELOPMENT
Drill holes.

SAMPLE SITE(S)

REMARKS
UTMs taken from center of stock. Guanomi Mine (153) mineralization is related to this stock.

REFERENCES
Bonham and Papke, 1969; Prochnau, 1973; Garside and others, 2000

FIELD EXAMINER(S)
L.J. Garside, S.B. Castor; 11/16/1999

OCCURRENCE
Metallic

NO PROPERTY
464 Pyramid Lake Property

OTHER NAME(S)
Guanomi Property

GEOLOGY

Copper and molybdenum mineralization is found in an altered, centrally medium-grained to marginally porphyritic quartz monzonite stock, outcrops of which cover about 2.5 sq. km, centered on the ridge that forms the east side of Tom Anderson Canyon. The stock intrudes Oligocene ash-flow tuffs, and varies from a propylitic phase in its central portion to intense quartz-sericite alteration in its marginal portions. Where least altered, the stock consists of quartz, dusty appearing microcline, partly sericized plagioclase, partly chloritized biotite, epidote, clinozoisite, chlorite, hematite, and minor hematite. Potash feldspar appears slightly more abundant than plagioclase. The more intensely altered portions of the stock formerly contained abundant pyrite, now oxidized to iron oxides, and surficial bleaching has occurred in these pyritized areas due to sulfuric acid produced during pyrite oxidation. The sulfide zone is probably at relatively shallow depths. The surrounding Oligocene welded ash-flow tuffs have been weakly to intensely altered to a textureless aggregate of fine-grained quartz and sericite, with occasional carbonates, alunite, and diaspore. The quartz-sericite phase of the stock is difficult to distinguish from that of the host rock. A breccia zone of fragments of highly altered, welded tuff containing abundant limonite and limonite boxworks attesting to the former presence of sulfides is present along the southern contact of the stock and the tuffs. This breccia zone is over 90 m wide and over 300 m long (Bonham and Papke, 1969). Within the intrusive, mineralization is confined to silicified ribs marking fault traces of the weakly silicified and potassium-metasomatized quartz monzonite phase along the northwest margin of the stock. Copper anomalies are due to malachite and libethenite. Samples for drill holes range: 0.03-0.05% copper and 0.002-0.003% molybdenum (Prochnau, 1973).

NO PROPERTY
465 Paymaster Millsite

OTHER NAME(S)

Paymaster Lode; Consolidated Poe Mining Co. Millsite; Mineral Survey 39B

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode
QUAD SHEET			
Verdi			
OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 13, T20N, R18E	4385980	250660	11
PRODUCTION			
Combined production with Poe and Golden Fleece was 29,579 tons of ore valued at \$148,464, 1872-1876.			
HISTORY			
Lode located by John Poe in 1872. Con Poe Claim (MS No. 39A), Mill Site (MS No. 39B) and Hopkins Claim (MS No. 41) surveyed 1876 and patented 1893(?). Part of Fravel-Paymaster Mining Co. Claims by 1921 (see 112).			
DEVELOPMENT			
Contained the mill for the Paymaster Mine in the 1870's and Fravel-Paymaster operation in 1910's. Patented claim.			
SAMPLE SITE(S)			
REMARKS			
Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 466-479)			
REFERENCES			
Earl, 1991; USBLM Claim Survey Map, 1876, 1895; Washoe County Assessor's Map, 1977			
FIELD EXAMINER(S)			
L.J. Garside, 1986			
OCCURRENCE			
Metallic			

NO PROPERTY
465 Paymaster Millsite

OTHER NAME(S)

Paymaster Lode; Consolidated Poe Mining Co. Millsite; Mineral Survey 39B

GEOLOGY

See 46 for description of geology related to adjacent Paymaster Mine.

NO PROPERTY
466 Hopkins Gold and Silver Mining Co. Claim.
OTHER NAME(S)
Paymaster Lode; Paymaster; Hopkins Claim; Mineral Survey 41

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	High-sulfidation epithermal
QUAD SHEET			
Verdi			
OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ NW¼ Sec. 24, T20N, R18E	4386100	250370	11
PRODUCTION			
None(?)			
HISTORY			
Located 12 May 1873 on Paymaster Lode by George Hopkins and eight other people, surveyed in 1876, and patented 1893(?). Part of Fravel-Paymaster Mining Co. Claims by 1921.			
DEVELOPMENT			
1876: Adit with 80 m long tunnel trending N70W. Claim also contains shaft at center of west half.			
SAMPLE SITE(S)			
REMARKS			
UTMs from adit. Referred to today as Paymaster. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465, 467-479)			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1876; Washoe County Assessor's Map, 1977			
FIELD EXAMINER(S)			
L.J. Garside, 1986			
OCCURRENCE			
Metallic			

NO PROPERTY
466 Hopkins Gold and Silver Mining Co. Claim.

OTHER NAME(S)

Paymaster Lode; Paymaster; Hopkins Claim; Mineral Survey 41

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
467 New Boston patented claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode
QUAD SHEET			
Verdi			
OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ NW¼ Sec. 24, T20N, R18E	4386460	250540	11
PRODUCTION			
None(?)			
HISTORY			
Located 7 Feb 1916 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.			
DEVELOPMENT			
1921: Adit at north line with 17 m tunnel trending south.			
SAMPLE SITE(S)			
REMARKS			
UTMs from adit. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-466, 468-479)			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977			
FIELD EXAMINER(S)			
L.J. Garside, 1986			
OCCURRENCE			
Metallic			

NO PROPERTY
467 New Boston patented claim
OTHER NAME(S)

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
468 Paymaster Extension claim
OTHER NAME(S)
Mineral Survey 4496

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode

QUAD SHEET			
Verdi			

OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 13, T20N, R18E	4386020	250520	11

PRODUCTION			
None(?)			

HISTORY			
Located 15 Aug 1915 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.			

DEVELOPMENT			
1923: Patented claim.			

SAMPLE SITE(S)			

REMARKS			
UTMs from center of claim. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-467, 469-479)			

REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977			

FIELD EXAMINER(S)			
L.J. Garside, 1986			

OCCURRENCE			
Metallic			

NO PROPERTY
468 Paymaster Extension claim

OTHER NAME(S)
Mineral Survey 4496

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
469 Ben Hur claim

OTHER NAME(S)
Mineral Survey 4496

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode

QUAD SHEET
Verdi

OWNERSHIP
Fravel-Paymaster Mining Co. (1921)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 18, T20N, R19E	4386650	251010	11

PRODUCTION
None(?)

HISTORY
Located 8 Apr 1909 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.

DEVELOPMENT
1921: One 10 m long cut.

SAMPLE SITE(S)

REMARKS
UTMs from cut. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-468, 470-479)

REFERENCES
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977

FIELD EXAMINER(S)
L.J. Garside, 1986

OCCURRENCE
Metallic

NO PROPERTY
469 Ben Hur claim

OTHER NAME(S)
Mineral Survey 4496

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
470 Lookout claim

OTHER NAME(S)
Mineral Survey 4496

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode

QUAD SHEET			
Verdi			

OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 13, T20N, R18E	4386650	250700	11

PRODUCTION
None(?)

HISTORY
Located 18 Feb 1909 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.

DEVELOPMENT
1921: Cut and adit with tunnel running 21 m SE and then 116 m E. Contains about 50 m of workings. Claim also has a short cut and garage near NW corner.

SAMPLE SITE(S)

REMARKS
UTMs from main adit. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-469, 471-479)

REFERENCES
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977

FIELD EXAMINER(S)
L.J. Garside, 1986

OCCURRENCE
Metallic

NO PROPERTY
470 Lookout claim

OTHER NAME(S)
Mineral Survey 4496

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
471 Denver claim

OTHER NAME(S)
Mineral Survey 4496

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode
QUAD SHEET			
Verdi			
OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 24, T20N, R18E	4386490	250700	11
PRODUCTION			
None(?)			
HISTORY			
Located 7 Feb 1916 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.			
DEVELOPMENT			
1921: 20 m long cut trending SE. Claim also contains three other cuts less than 12 m long.			
SAMPLE SITE(S)			
REMARKS			
UTMs from longest of four cuts. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-470, 472-479)			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977			
FIELD EXAMINER(S)			
L.J. Garside, 1986			
OCCURRENCE			
Metallic			

NO PROPERTY
471 Denver claim

OTHER NAME(S)
Mineral Survey 4496

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
472 Blanco claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode

QUAD SHEET			
Verdi			

OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 24, T20N, R18E	4386430	250900	11

PRODUCTION
None(?)

HISTORY
Located 3 May 1909 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.

DEVELOPMENT
1923: Patented claim.

SAMPLE SITE(S)

REMARKS
UTMs from center of valid part of claim. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-471, 473-479)

REFERENCES
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977

FIELD EXAMINER(S)
L.J. Garside, 1986

OCCURRENCE
Metallic

NO PROPERTY
472 Blanco claim

OTHER NAME(S)

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
473 Aspen claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode
QUAD SHEET			
Verdi			
OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 24, T20N, R18E	4416490	265360	11
PRODUCTION			
None(?)			
HISTORY			
Located 29 Apr 1909 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.			
DEVELOPMENT			
1921: Adit with tunnel running 20 m SW and then 30 m SSW with another adit opening to the NW from the center. Claim also contains one 35 m E-W cut near the NE corner and three cuts less than 20 m long in the south half.			
SAMPLE SITE(S)			
REMARKS			
UTMs from adit. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-472, 474-479)			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977			
FIELD EXAMINER(S)			
L.J. Garside, 1986			
OCCURRENCE			
Metallic			

NO PROPERTY
473 Aspen claim
OTHER NAME(S)

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
474 Aspen No. 1 claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode

QUAD SHEET			
Verdi			

OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 13, T20N, R18E	4413160	265810	11

PRODUCTION			
None(?)			

HISTORY			
Located 1 Jan 1912 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.			

DEVELOPMENT			
1921: Claim fraction around Paymaster millsite. Adit with tunnel 75 m long trending south. Claim also contains a cut near the north end, a cut near the SW corner, and an adit and 25 m tunnel trending SE near the buildings on the April Fool.			

SAMPLE SITE(S)			

REMARKS			
UTMs from adit. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-473, 475-479)			

REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977			

FIELD EXAMINER(S)			
L.J. Garside, 1986			

OCCURRENCE			
Metallic			

NO PROPERTY
474 Aspen No. 1 claim

OTHER NAME(S)

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
475 Aspen No. 2 claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode

QUAD SHEET			
Verdi			

OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 24, T20N, R18E	4404780	265740	11

PRODUCTION
None(?)

HISTORY
Located 1 Jan 1912 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.

DEVELOPMENT
1921: Patented claim with bunkhouse near NE corner.

SAMPLE SITE(S)

REMARKS
UTMs from center of valid part of claim. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-474, 476-479)

REFERENCES
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977

FIELD EXAMINER(S)
L.J. Garside, 1986

OCCURRENCE
Metallic

NO PROPERTY
475 Aspen No. 2 claim

OTHER NAME(S)

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
476 Sunset claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode
QUAD SHEET			
Verdi			
OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE, Sec. 13, T20N, R18E; SW, Sec. 1	4412180	266910	11
PRODUCTION			
None(?)			
HISTORY			
Located 8 Apr 1909 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.			
DEVELOPMENT			
1921: One adit with 10 m tunnel.			
SAMPLE SITE(S)			
REMARKS			
UTMs from short adit. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-475, 477-479)			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977			
FIELD EXAMINER(S)			
L.J. Garside, 1986			
OCCURRENCE			
Metallic			

NO PROPERTY
476 Sunset claim

OTHER NAME(S)

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
477 April Fool claim, north adit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Lode
QUAD SHEET			
Verdi			
OWNERSHIP			
Fravel-Paymaster Mining Co. (1921)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 13, T20N, R18E	4409030	265180	11
PRODUCTION			
None(?)			
HISTORY			
Located 1 Apr 1909 but little work was done through about 1920. Surveyed in 1921 and patented in 1923.			
DEVELOPMENT			
1921: Adit with 336 m long tunnel trending about S85W. Claim also contained 4 buildings near SW corner, a short adit near the center of the south half, and an adit and long tunnel near center of the claim.			
SAMPLE SITE(S)			
REMARKS			
UTMs from center of claim. Part of Fravel-Paymaster group of patented claims (See 46, 112, 449, 465-476, 478-479)			
REFERENCES			
Bonham and Papke, 1969; USBLM Claim Survey Map, 1921; Washoe County Assessor's Map, 1977			
FIELD EXAMINER(S)			
L.J. Garside, 1986			
OCCURRENCE			
Metallic			

NO PROPERTY
477 April Fool claim, north adit
OTHER NAME(S)

GEOLOGY

Gold-silver-copper mineralization occurs as pods or stringers of ore surrounded by argillized and pyritized Jurassic(?) intermediate-composition metavolcanic rocks of the Peavine sequence. Enargite(?) or tetrahedrite(?) was noted in quartz vein material with barite and pyrite samples off of the dump of the Fravel shaft. Bonham and Papke (1969, p. 78) in a combined description of the Fravel-Paymaster and the Golden Fleece, reported quartz-calcite stringers containing abundant pyrite and varying amounts of enargite, galena, sphalerite, and argentite. However, ore from the Standard Metals mine, which adjoins the Fravel-Paymaster is reported to contain neither lead nor zinc (Mining and Scientific Press, 1921). The vein there is reported to strike north and dip 30-50°W; otherwise there is little known of the trend of lodes or stockwork-like bodies. Hill (1916, p. 193) reported chalcopyrite from one working, and describes the ore as low grade (\$4.40 to \$12.00 per ton in gold and silver). Some pockets of high grade gold-silver ore were mined in the oxidized zone and small bunches of rich silver-copper ore have been mined in the sulfide zone.

NO PROPERTY
481 B and B Claims (B and B No. 1 or 4)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Dogskin Moutain	Washoe	Au(?)	Quartz veins
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Rex and Rod Barker (1972)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 28, T23N, R20E	4408000	270240	11
PRODUCTION			
None			
HISTORY			
Rex and Rod Barber located B&B on 1 Jul 1970 and B&B Nos. 1-5 on 15 Aug 1970.			
DEVELOPMENT			
Four prospect pits along trend of veins, ladder on ground suggesting one may have been a shaft, claim post with no location information.			
SAMPLE SITE(S)			
5862			
REMARKS			
UTMs from geographic center of cluster of prospect pits. Pits may be in either B&B No. 1 or 4.			
REFERENCES			
Tingley and others, 1999; Washoe Co. Official Records v. 483, p. 322-333			
FIELD EXAMINER(S)			
D. A. Davis, 07/09/1998.			
OCCURRENCE			
Metallic			

NO PROPERTY
481 B and B Claims (B and B No. 1 or 4)

OTHER NAME(S)

GEOLOGY

Quartz veins and quartz float is found over an area of about 60 by 12 m. The host rock is altered and heavily iron-stained granodiorite(?). The trend of outcrops containing quartz veins is about N40-60°E. Quartz float can be followed along the trend to the southwest across the alluvium for about 300 m from outcrops. Some pieces of iron-stained float contains quartz veins 2-3 cm thick, while some pieces of quartz float are up to 60 by 120 cm. Nearby outcrops are of unaltered granodiorite. Sample 5862 is a select sample of altered granodiorite and quartz vein material.

NO PROPERTY
482 Locality FM41
OTHER NAME(S)
Hungry Valley prospect

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Zeolite		Bedded

QUAD SHEET					
Fraser Flat					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ SE¼ NE¼ Sec. 21, T22N, R20E		4408750	270270	11	

PRODUCTION					
None					

HISTORY					

DEVELOPMENT					
Single bulldozer trench about 50 m long by 4 m wide, by 1-3 m deep.					

SAMPLE SITE(S)					

REMARKS					

REFERENCES					
Papke and Castor, 2003; S. Castor, written communication, 1998					

FIELD EXAMINER(S)					
L.J. Garside, 07/09/1998.					

OCCURRENCE					
Nonmetallic					

NO PROPERTY
482 Locality FM41

OTHER NAME(S)
Hungry Valley prospect

GEOLOGY

A 1-2 m thick ash bed in a Neogene sedimentary sequence is zeolitized to chabazite, heulandite, and quartz (Mineral identification by S. Castor, written communication, 1998).

NO PROPERTY
483 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Dogskin Mountain(?)		Washoe	Cu(?)		Aplite
QUAD SHEET					
Fraser Flat					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 27, T23N, R20E		4407600	270230	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
One shallow propsect pit in aplite.					
SAMPLE SITE(S)					
DDFF-89					
REMARKS					
5865					
REFERENCES					
Tingley and others, 1999					
FIELD EXAMINER(S)					
D. A. Davis, 07/14/1998.					
OCCURRENCE					
Metallic					

NO PROPERTY
483 Unnamed prospect

OTHER NAME(S)

GEOLOGY

A 1 m aplite dike(?) cuts a 80 m by 3 m thick mafic dike with an attitude of N90°E, ~90°. The aplite contains some epidote and minor copper staining; the host rock is decomposed granodiorite. Sample 5865 is a select sample from the pit.

NO PROPERTY
484 FTN Claims (FTN No. 2)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Dogskin Mountain (Pyramid (?))	Washoe	Au(?)	Iron oxide vein
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Lee S. and Ernestine M. Smith (1972)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 4, T22N, R20E	4411510	276670	11
PRODUCTION			
None			
HISTORY			
Lee and Ernestine Smith located FTN No. 1 on 22 Sep 1962; No. 2 on 8 Dec 1962; No. 3 on 15 Dec. 1962; No. 4 on 9 Mar 1963; No. 5 on 19 May 1963; and with 6 other Smith family members located adjacent Long Green Placer Claim on 2 Nov 1968.			
DEVELOPMENT			
Prospect pit and bulldozer cut exposing a vein. One of five lode claims and an association placer claim.			
SAMPLE SITE(S)			
5863			
REMARKS			
Sample was taken from FTN No. 2			
REFERENCES			
Tingley and others, 1999; Washoe Co. Mining Claims v. 26, p. 548-9, 592-3, 655; v. 27, p. 54-5; Washoe Co. Official Records v. 353, p. 497			
FIELD EXAMINER(S)			
D. A. Davis, 08/13/1998.			
OCCURRENCE			
Metallic			

NO PROPERTY
484 FTN Claims (FTN No. 2)
OTHER NAME(S)

GEOLOGY

Fine-grained, medium gray, mafic intrusive rock is cut by aplite dikes. The prospect pit and bulldozer cut expose a 30 cm thick vein of iron oxide with minor copper staining. The vein strikes N30°E and dips 50°NE. Sample 5863 is a select sample of iron oxide vein material.

NO PROPERTY
485 15555 Pyramid Road
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Quartz vein
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Private property: John and Theresa Gleason (1998)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 12, T22N, R20E	4411310	277180	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Three prospect pits. One cuts a 1 m thick vein and has a small dump suggesting a caved shaft or adit.			
SAMPLE SITE(S)			
5864			
REMARKS			
UTMs from geographic center among three pits.			
REFERENCES			
Tingley and others, 1999; Washoe Co. Assessor's Map 76-25			
FIELD EXAMINER(S)			
D. A. Davis, 10/15/1998.			
OCCURRENCE			
Metallic			

NO PROPERTY
485 15555 Pyramid Road

OTHER NAME(S)

GEOLOGY

Host rock is coarse-grained, light-medium gray, unfoliated granodiorite. Main vein is of quartz about 1-1.5 m thick and trending about N33-45°E with an apparent steep NW dip. Mineralization is largely iron oxide staining and iron oxide cubes suggesting pyrite. The vein is locally highly fractured and brecciated. Outcrops of three similar veins exist within 30 m downslope of the main vein. Sample 5864 is several select samples from vein and dump in two pits about 40 m apart along the apparent strike of the main vein.

NO PROPERTY
486 5400 Peak Road
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?)	Quartz vein

QUAD SHEET			
Fraser Flat			

OWNERSHIP			
Private property: Kendrick and Shirley Westbrook (1998)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 1, T22N, R20E	4403280	274180	11

PRODUCTION			
None			

HISTORY			

DEVELOPMENT			
One prospect pit.			

SAMPLE SITE(S)			
5867			

REMARKS			

REFERENCES			
Tingley and others, 1999; Washoe Co. Assessor's Map 76-24; Tingley and others, 1999			

FIELD EXAMINER(S)			
D. A. Davis, 09/03/1998.			

OCCURRENCE			
Metallic			

NO PROPERTY
486 5400 Peak Road

OTHER NAME(S)

GEOLOGY

Host rock is coarse-grained, light-medium gray, unfoliated granodiorite. Vein is of quartz about 0.5 m thick and strike is uncertain. Host rock also contains some smaller veins. Mineralization is largely iron oxide staining. Select sample (5867) is from vein.

NO PROPERTY
487 15555 State Route 445
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au(?); Cu(?)	Quartz vein
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Private property: Peter and Donna Konesky (1998)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 12, T22N, R20E	4402910	280420	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
One prospect pit or short shallow trench.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Washoe Co. Assessor's Map 76-25.			
FIELD EXAMINER(S)			
D. A. Davis, 09/21/1998.			
OCCURRENCE			
Metallic			

NO PROPERTY
487 15555 State Route 445

OTHER NAME(S)

GEOLOGY

Host rock is coarse-grained, light-medium gray, unfoliated granodiorite. Small dump contains very abundant white vein quartz with some iron oxide staining. Quartz and granodiorite also contain minor copper oxide staining.

NO PROPERTY
488 Unnamed prospect
OTHER NAME(S)
Locality FM154

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Fe		Gossan

QUAD SHEET

Moses Rock

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SW¼ SE¼ Sec. 27, T23N, R21	4409350	264770	11

PRODUCTION

None

HISTORY

DEVELOPMENT

None

SAMPLE SITE(S)

6011

REMARKS

REFERENCES

FIELD EXAMINER(S)

L.J. Garside, 09/15/1998.

OCCURRENCE

Metallic

NO PROPERTY
488 Unnamed prospect

OTHER NAME(S)

Locality FM154

GEOLOGY

A short iron-oxide vein or replacement body is inferred in Tertiary Nine Hill Tuff from mineralized float. Gossan of limonite, hematite, and magnetite is found on the surface. Sample 6011 is grab sample of gossan from float.

NO PROPERTY
489 Unnamed prospect

OTHER NAME(S)

Locality FM152

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Au(?), U(?)		Vein
QUAD SHEET					
Moses Rock					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
N½ NE¼ NE¼ Sec. 34, T23N, R21E		4408690	266370	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Two shallow (7 and 12 m) vertical shafts.					
SAMPLE SITE(S)					
6010					
REMARKS					
REFERENCES					
FIELD EXAMINER(S)					
L.J. Gardside, 09/15/1998.					
OCCURRENCE					
Metallic					

NO PROPERTY
489 Unnamed prospect

OTHER NAME(S)

Locality FM152

GEOLOGY

Iron-oxides and sericite occur in crushed Oligocene Nine Hill Tuff along 1-2 m wide fault zone that has an attitude of N45°E, 85°NW-90°. Rare quartz veinlets were noted. Sample 6011 is select sample of iron-stained, sericitized(?) tuff from dumps.

NO PROPERTY
490 Unnamed prospect

OTHER NAME(S)

Locality FM117

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Ag(?)	Vein
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ NW¼ NW¼ Sec. 28, T22N, R2	4398220	259860	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
One prospect pit.			
SAMPLE SITE(S)			
6008			
REMARKS			
REFERENCES			
FIELD EXAMINER(S)			
L.J. Gardside, 08/25/1998.			
OCCURRENCE			
Metallic			

NO PROPERTY
490 Unnamed prospect

OTHER NAME(S)

Locality FM117

GEOLOGY

A prospect pit is in an approximately N50°E, brecciated, milky bull quartz vein that cuts Cretaceous biotite, hornblende granodiorite. A moderate amount of iron oxide minerals occur with the quartz. Sample 6008 is a select sample of vein quartz from prospect pit dump.

NO PROPERTY
491 Unnamed prospect

OTHER NAME(S)

Locality FM129a

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Au(?)	Iron stain

QUAD SHEET

Spanish Springs Peak

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ NW¼ NW¼ Sec. 30, T22N, R22	4387520	256780	11

PRODUCTION

None

HISTORY

DEVELOPMENT

Several 5-10 m adits or inclines and a few prospect pits.

SAMPLE SITE(S)

6009

REMARKS

REFERENCES

FIELD EXAMINER(S)

L.J. Garside, 08/28/1998.

OCCURRENCE

Metallic

NO PROPERTY
491 Unnamed prospect

OTHER NAME(S)

Locality FM129a

GEOLOGY

A thin, elongate (few m by over 100 m) band or pendant of metasedimentary rock is found in Cretaceous(?) granodiorite. The zone and foliation in it have an attitude of N45°W, 65°NE. The metasedimentary rock is iron-stained and possibly originally somewhat pyritic. Sample 6009 is a grab sample of iron-stained metamorphic rock.

NO PROPERTY
492 FTN Claims (FTN No. 3)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Dogskin Mountain (Pyramid (?))	Washoe	Au(?), Cu(?)	Gossan, copper stain
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Lee S. and Ernestine M. Smith (1972)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 4, T22N, R20E	4377460	261880	11
PRODUCTION			
None			
HISTORY			
Lee and Ernestine Smith located FTN No. 1 on 22 Sep 1962; No. 2 on 8 Dec 1962; No. 3 on 15 Dec. 1962; No. 4 on 9 Mar 1963; No. 5 on 19 May 1963; and with 6 other Smith family members located adjacent Long Green Placer Claim on 2 Nov 1968.			
DEVELOPMENT			
1.5 m deep prospect pit with shallower pit about 60 m to the southeast. Claim post at second pit marked "FTN #3". One of five lode claims and an association placer claim.			
SAMPLE SITE(S)			
5868			
REMARKS			
Sample was taken from FTN No. 3			
REFERENCES			
Washoe Co. Mining Claims v. 26, p. 548-9, 592-3, 655; v. 27, p. 54-5; Washoe Co. Official Records v. 353, p. 497.			
FIELD EXAMINER(S)			
D. A. Davis, 12/17/1998.			
OCCURRENCE			
Metallic			

NO PROPERTY
492 FTN Claims (FTN No. 3)

OTHER NAME(S)

GEOLOGY

Aplite dikes cut fine-grained, medium gray, mafic intrusive rock. The mineralization in pit and on dump is largely gossan and some minor copper staining. Joints strike N-S and dip 52°E. Prospect pit may be on strike with veins of iron-oxide in prospect pits at locality 484 about 550 m to the southeast. Sample 5868 is select sample of gossan and copper stained material.

NO PROPERTY
493 FF No. 8 Claim

OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Dogskin Mountain (Pyramid (?))	Washoe	Au(?)	Iron stain
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Resource Association of Alaska (1978)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW½ Sec. 3, T22N, R20E	4379340	260440	11
PRODUCTION			
None			
HISTORY			
Located in 1978 by Resources Association of Alaska as one of 361 claims. Shafts probably predate this claim block.			
DEVELOPMENT			
Claim post marked "NE FF8/NW FF6" next to shallow depression that may have been a prospect pit.			
SAMPLE SITE(S)			
DDFF-318			
REMARKS			
REFERENCES			
Washoe County Mining Claims Platt, 1998			
FIELD EXAMINER(S)			
D. A. Davis, 12/17/1998.			
OCCURRENCE			
Metallic			

NO PROPERTY
493 FF No. 8 Claim

OTHER NAME(S)

GEOLOGY

Small outcrop and considerable float of medium to coarse-grained, light gray biotite granite. Mineralization appears to be minor iron staining.

NO PROPERTY
494 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Au(?)	Iron stain
QUAD SHEET			
Reno, NE			
OWNERSHIP			
U.S. Bureau of Land Management			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 12, T21N, R19E	4379850	259300	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
One prospect pit about 2 m by 2 m by about 1.5 m deep.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Cordy, 1985			
FIELD EXAMINER(S)			
D. A. Davis, 5/22/1999.			
OCCURRENCE			
Metallic			

NO PROPERTY
494 Unnamed prospect

OTHER NAME(S)

GEOLOGY

Minor iron and limonite staining are found on rock and joint surfaces. Some specks of iron staining may be oxidized pyrite. Host rock is light gray, coarse-grained Mesozic quartz monzonite to granite.

NO PROPERTY
495 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 15, T20N, R19E	4379200	259720	11

PRODUCTION			
Small(?)			

HISTORY			
Pit started before 1962. 1988: Rees's Enterprises operated portable crusher from Granite Construction Co. A housing development occupies the site (2005).			

DEVELOPMENT			
One sand pit which covered about 8 ha. in 1967.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bonham and Bingler, 1973; Nevada Department of Transportation, 1962a (aerial photograph 43-1); Nevada State Inspector of Mines, 1989			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
495 **Unnamed sand pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but the pit is located in Quaternary alluvium consisting of weathered granitic sand.

NO PROPERTY
496 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			
Airport Authority of Washoe County (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 17, NE¼ Sec. 18, T19N, R	4378300	255360	11

PRODUCTION
Small(?)

HISTORY
Pit started between 1954 and 1956. 1959: Pit filled with water. Filled in between 1987 and 1988.

DEVELOPMENT
1967: One gravel pit which covered about 2.5 ha. 2005: North end of airport runway.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Bingler, 1973; Nevada Department of Transportation, 1959a (aerial photograph 6-1), 1987 (aerial photograph 6-3), 1988 (aerial photograph 10-3); U.S. Geological Survey, 1954 (aerial photograph 3-43), 1956 (aerial photograph 230); Washoe County A

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
496 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

The detailed geology is unknown, but the pit is located in a thin unit of Quaternary flood plain and lake deposits (Bonham and Bingler, 1973); the pit may have exploited Tahoe-age outwash gravels and sands which probably underlie the thin unit.

NO PROPERTY
497 Second Street Pit and Plant
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 7, T19N, R20E	4392160	254300	11

PRODUCTION
Small(?)

HISTORY
Pit started before 1956. 1975-1976: Operated by Nevada Asphalt and Aggregates, Inc.

DEVELOPMENT
One sand pit which covered about 1 ha. in 1967.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Bingler, 1973; Nevada State Inspector of Mines, 1976, 1977; U.S. Geological Survey, 1956 (aerial photograph 230)

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
497 Second Street Pit and Plant
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Quaternary Tahoe Outwash consisting of boulder to cobble gravel, gravelly sand, and sandy gravel, the clast of which are subrounded to rounded and are in decreasing order of composition: granitic, volcanic, and metamorphic.

NO PROPERTY
498 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SE ¼ Sec. 1, T19N, R19E	4390860	256160	11

PRODUCTION
Small(?)

HISTORY
Pre-1946. On USGS air photo CV frame 2-87 shows to be in operation. AMS air photo VV HY M2 160, frame 230 shows pit to be close to maximum size. In 1999, SW corner of pit is Governor Bowl Park stadium. Rest is buried under I-80 and "Spaghetti Bowl".

DEVELOPMENT
One sand pit which covered about 7 ha. in 1967.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Bingler, 1973

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
498 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Quaternary Tahoe Outwash consisting of boulder to cobble gravel, gravelly sand, and sandy gravel, the clast of which are subrounded to rounded and are in decreasing order of composition: granitic, volcanic, and metamorphic.

NO PROPERTY
499 Unnamed gravel pits
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 12, T19N, R19E	4392000	258000	11

PRODUCTION
Small(?)

HISTORY
Pre-1939(?). On AMS air photo VV HY M2 160, frame 230. Low areas on FS air photo CDJ frame 18-23 may be beginnings of pits. Pits are now filled and covered in part by industrial buildings.

DEVELOPMENT
Two sand pits each of which covered about 1 ha. or less in 1967.

SAMPLE SITE(S)

REMARKS
UTMs from larger west pit.

REFERENCES
Bonham and Bingler, 1973

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
499 Unnamed gravel pits

OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pits are located in Quaternary Tahoe Outwash consisting of boulder to cobble gravel, gravelly sand, and sandy gravel, the clast of which are subrounded to rounded and are in decreasing order of composition: granitic, volcanic, and metmorphic.

NO PROPERTY
500 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand, gravel	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SW¼ Sec. 10, T19N, R19E	4390510	257670	11

PRODUCTION
Small.

HISTORY
Pre-1956. On AMS air photo VVHY M2 AMS 160, frame 231.

DEVELOPMENT
Small pit covering probably about 3 ha.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Binger, 1973

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
500 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Quaternary gravel of Reno of Bonham and Bingler (1973) which consists of weakly-bedded deposits of coarse sand containing scattered small cobbles and thin cobble layers.

NO PROPERTY
501 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand, gravel	Sedimentary
QUAD SHEET			
Reno NE			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 33, T21N, R19E	4390250	258170	11
PRODUCTION			
Small.			
HISTORY			
Pre-1946. On USGS air photo CV, frame 2-113. Probably active through 1950's and 1960's when it reached maximum size. In mid-1190's, pit was filled and warehouses were built on top of fill.			
DEVELOPMENT			
Small pit covering probably about 8 ha. now filled and built on.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Cordy, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
501 **Unnamed sand pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Holocene sheetwash, stream channel, and other alluvium consisting of gray to yellowish-brown, poorly sorted cobbly to pebbly sand and muddy sand to moderately well sorted fine to coarse, predominantly arkosic sand.

NO PROPERTY
502 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand, gravel	Sedimentary
QUAD SHEET			
Reno NE			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NW¼ Sec. 3, T20N, R19E	4391100	255640	11
PRODUCTION			
Small.			
HISTORY			
Pre-1946. On USGS air photo CV, frame 2-113. In mid-1960's was built over as part of a subdivision.			
DEVELOPMENT			
Small pit covering probably about 1 ha. now built on.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Cordy, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
502 **Unnamed sand pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Holocene alluvial fan deposits consisting of gray to yellowish-brown, moderately well sorted to very poorly sorted granular coarse, predominantly arkosic sand to sandy bulder gravel.

NO PROPERTY
503 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand, gravel	Sedimentary
QUAD SHEET			
Reno NE			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW ¼ Sec. 35, T21N, R19E	4392580	248760	11
PRODUCTION			
Small.			
HISTORY			
Pre-1966. On USGS air photo VBMQ, frame 1-154.			
DEVELOPMENT			
Small pit covering probably about 2 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Cordy, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
503 **Unnamed sand pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Holocene alluvial fan deposits consisting of gray to yellowish-brown, moderately well sorted to very poorly sorted granular coarse, predominantly arkosic sand to sandy boulder gravel.

NO PROPERTY
504 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand, gravel	Sedimentary
QUAD SHEET			
Reno NE			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NW¼ Sec. 2, T20N, R19E	4391150	248270	11
PRODUCTION			
Small.			
HISTORY			
Pre-1967. On 1967 Reno NE 7.5' topographic map.			
DEVELOPMENT			
Small pit covering probably about 1 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Cordy, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
504 **Unnamed sand pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Pleistocene alluvium, colluvium, and decomposed granite consisting of grayish-tan to reddish brown, very poorly sorted arkosic, unconsolidated coarse sand and sandy pebble gravel to gravelly sand.

NO PROPERTY
505 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand, gravel	Sedimentary
QUAD SHEET			
Reno NE			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW¼ Sec. 2, T20N, R19E	4403240	253040	11
PRODUCTION			
Small.			
HISTORY			
Pre-1967. On 1967 Reno NE 7.5' topographic map.			
DEVELOPMENT			
Small pit covering probably about 1 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Cordy, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
505 **Unnamed sand pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Pleistocene alluvium, colluvium, and decomposed granite consisting of grayish-tan to reddish brown, very poorly sorted arkosic, unconsolidated coarse sand and sandy pebble gravel to gravelly sand.

NO PROPERTY
506 Unnamed aggregate pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand, gravel	Igneous
QUAD SHEET			
Reno NE			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SE ¼ Sec. 33, T21N, R19E	4404680	292330	11
PRODUCTION			
Small.			
HISTORY			
Pit was dug in 1997 to provide aggregate to fill in sand pit at 501.			
DEVELOPMENT			
Small pit covering probably about 1 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Cordy, 1985			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
506 Unnamed aggregate pit
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Mesozoic light to dark gray, fine- to coarse-grained, equigranular to porphyritic hornblende-biotite granodiorite.

NO PROPERTY
507 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand, gravel	Sedimentary
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 35, T21N, R18E	4404600	292690	11
PRODUCTION			
Small.			
HISTORY			
Pre-1977. On NDOT air photo NHD 1179, frame 12-21.			
DEVELOPMENT			
Small pit covering probably about 2.5 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Soeller and Nielsen, 1980.			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
507 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Quaternary Alluvial fan deposits consisting of pale to dark yellowish-brown, slightly granular to granular coarse sand, and slightly pebbly to moderately sorted medium sand.

NO PROPERTY
508 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand, gravel	Sedimentary

QUAD SHEET			
Reno NW			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ Sec. 23, T21N, R18E	4404490	292750	11

PRODUCTION			
Small.			

HISTORY			
Pre-1966. On USGS air photo VBMQ, frame 2-76.			

DEVELOPMENT			
Small pit covering about 1.5 ha.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Soeller and Nielsen, 1980.			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
508 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is probably located in Tertiary lacustrine and alluvial sediments consisting of thick basin-fill deposits of grayish-orange to pale-brown, coarse to medium sand, granular sand, siltstone, silty to pebbly sandstone, and minor sandy pebble conglomerate, very thinly bedded ash and diatomite. Sediments are generally unconsolidated and bedding is usually indistinct.

NO PROPERTY
509 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand, gravel	Sedimentary

QUAD SHEET
Reno NW

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ Sec. 29, T22N, R19E	4404280	293010	11

PRODUCTION
Small.

HISTORY
Pre-1966. On USGS air photo VBMQ, frame 2-38.

DEVELOPMENT
Small pit covering about 1 ha.

SAMPLE SITE(S)

REMARKS

REFERENCES
Soeller and Nielsen, 1980.

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
509 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Quaternary alluvial fan deposits consisting of pale to dark yellowish-brown, slightly granular to granular coarse sand, and slightly pebbly to moderately sorted medium sand.

NO PROPERTY
510 Gypsy patented claim
OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Unknown

QUAD SHEET			
Pah Rah Mtn.			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 20, T22N, R23E	4404400	292190	11

PRODUCTION
None.

HISTORY

DEVELOPMENT
Patented lode claim.

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bonham and Papke, 1969; Washoe County Assessor's map, 1975

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
510 **Gypsy patented claim**

OTHER NAME(S)

Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is in the area of loclaity 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs.

NO PROPERTY
511 Morning Star Extension patented claim
OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Unknown

QUAD SHEET

Pah Rah Mtn.

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 20, T22N, R23E	4404320	292330	11

PRODUCTION

None.

HISTORY

DEVELOPMENT

Patented lode claim.

SAMPLE SITE(S)

REMARKS

UTMs from center of claim.

REFERENCES

Bonham and Papke, 1969; Washoe County Assessor's map, 1975

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
511 Morning Star Extension patented claim

OTHER NAME(S)
Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is in the area of loclaity 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs. Miocene basaltic flows overlie the tuffs in the area.

NO PROPERTY
512 Crater patented claim

OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Unknown

QUAD SHEET

Pah Rah Mtn.

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 20, T22N, R23E	4404340	292570	11

PRODUCTION

None.

HISTORY

DEVELOPMENT

Patented lode claim.

SAMPLE SITE(S)

REMARKS

UTMs from center of claim.

REFERENCES

Bonham and Papke, 1969; Washoe County Assessor's map, 1975

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
512 Crater patented claim

OTHER NAME(S)

Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is in the area of locality 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs. Miocene basaltic flows overlie the tuffs in the area.

NO PROPERTY
513 Denver patented claim
OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Unknown

QUAD SHEET

Pah Rah Mtn.

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 20, T22N, R23E	4404160	292800	11

PRODUCTION

None.

HISTORY

DEVELOPMENT

Patented lode claim.

SAMPLE SITE(S)

REMARKS

UTMs from center of claim.

REFERENCES

Bonham and Papke, 1969; Washoe County Assessor's map, 1975

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
513 Denver patented claim

OTHER NAME(S)

Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is in the area of loclaity 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs. Miocene basaltic flows overlie the tuffs in the area.

NO PROPERTY
514 White Hill No. 2 patented claim

OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Unknown

QUAD SHEET

Pah Rah Mtn.

OWNERSHIP

--

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 20, T22N, R23E	4404000	292820	11

PRODUCTION

None.

HISTORY

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DEVELOPMENT

Patented lode claim.

SAMPLE SITE(S)

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REMARKS

UTMs from center of claim.

REFERENCES

Bonham and Papke, 1969; Washoe County Assessor's map, 1975

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
514 White Hill No. 2 patented claim

OTHER NAME(S)
Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is northwest of locality 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs.

NO PROPERTY
515 White Hill No. 1 patented claim

OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Unknown

QUAD SHEET

Pah Rah Mtn.

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 20, T22N, R23E	4403980	292300	11

PRODUCTION

None.

HISTORY

DEVELOPMENT

Patented lode claim.

SAMPLE SITE(S)

REMARKS

UTMs from center of claim.

REFERENCES

Bonham and Papke, 1969; Washoe County Assessor's map, 1975

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
515 **White Hill No. 1 patented claim**

OTHER NAME(S)
Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is northwest of locality 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs.

NO PROPERTY
516 Morning Star patented claim

OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal

QUAD SHEET
Pah Rah Mtn.

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 20, T22N, R23E	4403780	292620	11

PRODUCTION
Unknown

HISTORY

DEVELOPMENT
Caved adits and pits at site 6127; two short adits at site 6130

SAMPLE SITE(S)
6127, 6130

REMARKS
UTMs from sample site 6127 at main adit.

REFERENCES
Bonham and Papke, 1969; Washoe County Assessor's map, 1975; Tingley and Garside, 1999

FIELD EXAMINER(S)
J.V, Tingley, 4/13/1999

OCCURRENCE
Metallic

NO PROPERTY
516 Morning Star patented claim

OTHER NAME(S)
Mineral Survey No. 4230

GEOLOGY

An adit at sample site 6127 follows N60°W, 90° to 80°E stockwork vein system in silicified, altered Oligocene ash-flow tuff; the zone exposed in a pit to the south of the adit is about 2 m wide and consists of an 0.5 m-wide silicified rib on vertical wall and a thin quartz vein in hanging wall which dips about 80° away from the vertical footwall. Two short adits at site 6130; one approximately follows a N60°W, vertical to 80°W, silicified shear zone. Stockwork quartz-adularia(?) veining is present over about 1.5-2 m; wall rock is propylitized. The other short adit cuts into the footwall of the structure; it may have been dug on a N35°W cross-fracture zone. The claim is in the vicinity of locality 166. Sample 6127 is select quartz stockwork with pyrite and iron oxides; 6130 is vuggy clear vein quartz and ash-flow tuff with sericitized biotite.

NO PROPERTY
517 Gold Queen patented claim
OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Unknown

QUAD SHEET
Pah Rah Mtn.

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 20, T22N, R23E	4403760	292750	11

PRODUCTION
None.

HISTORY

DEVELOPMENT
Patented lode claim.

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bonham and Papke, 1969; Washoe County Assessor's map, 1975

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
517 Gold Queen patented claim

OTHER NAME(S)
Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is in the area of loclaity 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs. Miocene basaltic flows overlie the tuffs in the area.

NO PROPERTY
518 Granite patented claim
OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Unknown

QUAD SHEET
Pah Rah Mtn.

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 20, T22N, R23E	4403670	292970	11

PRODUCTION
None.

HISTORY

DEVELOPMENT
Patented lode claim.

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bonham and Papke, 1969; Washoe County Assessor's map, 1975

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
518 Granite patented claim

OTHER NAME(S)

Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is in the area of loclaity 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs. Miocene basaltic flows overlie the tuffs in the area.

NO PROPERTY
519 Red Butte No. 1 patented claim

OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Unknown

QUAD SHEET

Pah Rah Mtn.

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 20, T22N, R23E	4403520	292620	11

PRODUCTION

None.

HISTORY

DEVELOPMENT

Patented lode claim.

SAMPLE SITE(S)

REMARKS

UTMs from center of claim.

REFERENCES

Bonham and Papke, 1969; Washoe County Assessor's map, 1975

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
519 Red Butte No. 1 patented claim

OTHER NAME(S)
Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is in the area of locality 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs.

NO PROPERTY
520 Carrie patented claim
OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Quartz vein
QUAD SHEET			
Pah Rah Mtn.			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 20, T22N, R23E	4403360	292910	11
PRODUCTION			
Unknown			
HISTORY			
DEVELOPMENT			
Caved adit at site 6128, caved shaft at 6129 (4 m diameter collar, ~6 m deep)			
SAMPLE SITE(S)			
6128, 6129			
REMARKS			
UTMs from center of claim. Caved adit has mine rail protruding.			
REFERENCES			
Bonham and Papke, 1969; Washoe County Assessor's map, 1975			
FIELD EXAMINER(S)			
J.V. Tingley, 4/13/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
520 Carrie patented claim

OTHER NAME(S)

Mineral Survey No. 4230

GEOLOGY

An adit at site 6128 was driven on a N60°E trend; no structure is visible. Rock on dump consists of two rock types: frothy pumice-rich tuff with iron-oxide-stained fractures and cavities, and dense, gray rock with large blocks of bronze biotite. Hill to the east is capped by Miocene Pyramid sequence basalt flow. No obvious mineralization seen on dump. At shaft, a N55°E, 80°W shear zone is visible in the northwest wall; wall rock is dull, purplish, biotite-rich tuff. Sample 6128 is iron-stained andesite(?) with quartz veining; 6129 is vein quartz with some pyrite and limonite.

NO PROPERTY
521 Bay State patented claim
OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Low-sulfidation epithermal

QUAD SHEET			
Pah Rah Mtn.			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 20, T22N, R23E	4391680	292420	11

PRODUCTION
None.

HISTORY

DEVELOPMENT
Patented lode claim.

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bonham and Papke, 1969; Washoe County Assessor's map, 1975; Tingley and Garside, 1999

FIELD EXAMINER(S)
J.V. Tingley, 4/13/1999

OCCURRENCE
Metallic

NO PROPERTY
521 Bay State patented claim

OTHER NAME(S)
Mineral Survey No. 4230

GEOLOGY

This patented claim is adjacent to the Carrie Claim (no. 520); the geology is further described at that site.

NO PROPERTY
522 Bay State No. 2 patented claim
OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Unknown

QUAD SHEET

Pah Rah Mtn.

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 20, T22N, R23E	4394160	292680	11

PRODUCTION

None.

HISTORY

DEVELOPMENT

Patented lode claim.

SAMPLE SITE(S)

REMARKS

UTMs from center of claim.

REFERENCES

Bonham and Papke, 1969; Washoe County Assessor's map, 1975

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
522 Bay State No. 2 patented claim

OTHER NAME(S)
Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is in the area of locality 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs.

NO PROPERTY
523 Bay State No. 4 patented claim
OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Unknown

QUAD SHEET

Pah Rah Mtn.

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 20, T22N, R23E	4393670	291650	11

PRODUCTION

None.

HISTORY

DEVELOPMENT

Patented lode claim.

SAMPLE SITE(S)

REMARKS

UTMs from center of claim.

REFERENCES

Bonham and Papke, 1969; Washoe County Assessor's map, 1975

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
523 Bay State No. 4 patented claim

OTHER NAME(S)
Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is in the area of locality 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs.

NO PROPERTY
524 Bay State No. 3 patented claim

OTHER NAME(S)
Mineral Survey No. 4230

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au(?)		Unknown
QUAD SHEET					
Pah Rah Mtn.					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 20, T22N, R23E		4394600	291080	11	
PRODUCTION					
None.					
HISTORY					
DEVELOPMENT					
Patented lode claim.					
SAMPLE SITE(S)					
REMARKS					
UTMs from center of claim.					
REFERENCES					
Bonham and Papke, 1969; Washoe County Assessor's map, 1975					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
524 Bay State No. 3 patented claim

OTHER NAME(S)
Mineral Survey No. 4230

GEOLOGY

Details of the geology are unknown, but the claim is in the area of locality 166, where mineralization is associated with quartz veins in altered Oligocene ash-flow tuffs.

NO PROPERTY
525 Gulch Gravel No. 2 patented placer claims

OTHER NAME(S)
Patent No. 592380; Lot Nos. 17, 31

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Placer
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 29, NE ¼ Sec. 32, T21N, R	4394250	291510	11
PRODUCTION			
Small(?) Ore averaged \$5-17 per cubic yard for all placers.			
HISTORY			
Located before 1900(?). Bulk of gold mined from placer operations occurred between 1897 and 1902 and was highest in 1900.			
DEVELOPMENT			
Patented placer claim, prospects.			
SAMPLE SITE(S)			
REMARKS			
Location is taken from center of claim as delineated by Townley (1985).			
REFERENCES			
Bonham and Papke, 1969; Tingley and others, 1999; Townley, 1985; U.S. Bureau of Mines, 1995, Seq. 0320310225; Vanderburg, 1936; Washoe County Assessor's Map, 1996			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
525 Gulch Gravel No. 2 patented placer claims

OTHER NAME(S)

Patent No. 592380; Lot Nos. 17, 31

GEOLOGY

The placer claim is located in Olinghouse Canyon. Placer gold was probably derived from the sheet, wire, and cluster gold occurring in stringers and veinlets of calcite and quartz along the Olinghouse fault on Green Hill. Vanderburg (1936) described placer deposits from a side canyon to Olinghouse Canyon as having the best values just above bedrock; gold fineness was reported to average 680.

NO PROPERTY
526 Nolon patented claim
OTHER NAME(S)
Mineral Survey No. 2575

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation eptihermal

QUAD SHEET
Olinghouse

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 20, T21N, R23E	4395080	294510	11

PRODUCTION
Small(?)

HISTORY
Located about 1900(?).

DEVELOPMENT
Patented lode claim, prospects.

SAMPLE SITE(S)

REMARKS
Location is taken from center of claim.

REFERENCES
Bonham and Papke, 1969; Washoe County Assessor's Map, 1996

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
526 **Nolon patented claim**

OTHER NAME(S)

Mineral Survey No. 2575

GEOLOGY

Details of the geology are uncertain, but the claim is located on the north flank of Green Hill. Mineralization on Green Hill is predominantly free gold in quartz-calcite veins.

NO PROPERTY
527 Standard patented claim
OTHER NAME(S)
Mineral Survey No. 2575, El Sobrante claim, OG173

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 20, T21N, R23E	4392640	248070	11
PRODUCTION			
Small(?)			
HISTORY			
Located about 1900(?).			
DEVELOPMENT			
Patented lode claim, prospects.			
SAMPLE SITE(S)			
REMARKS			
Location is taken from center of claim.			
REFERENCES			
Bonham and Papke, 1969; Washoe County Assessor's Map, 1996			
FIELD EXAMINER(S)			
L.J. Garside, 6/25/1993			
OCCURRENCE			
Metallic			

NO PROPERTY
527 **Standard patented claim**

OTHER NAME(S)

Mineral Survey No. 2575, El Sobrante claim, OG173

GEOLOGY

The claim probably includes the workings described at locality 597. A caved adit on the Standard claim apparently follows a N55°E, 90° fault in vesicular basalt of the Miocene Pyramid sequence. Only a few 2-3 mm veinlets of calcite were observed along the fault. A dacite dike parallel to the fault crops out 25 m to the southwest. Rotary drilling samples and sites of Phelps Dodge Corp.(?) was observed in 1993.

NO PROPERTY
528 Alice patented claim
OTHER NAME(S)
Mineral Survey No. 2591

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal

QUAD SHEET
Olinghouse

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 20, T21N, R23E	4392710	248260	11

PRODUCTION
Small(?)

HISTORY
Located about 1900(?).

DEVELOPMENT
Patented lode claim, prospects.

SAMPLE SITE(S)

REMARKS
Location is taken from center of claim.

REFERENCES
Bonham and Papke, 1969; Garside and Bonham, 2003; Washoe County Assessor's Map, 1996

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
528 Alice patented claim

OTHER NAME(S)
Mineral Survey No. 2591

GEOLOGY

Detailed geology is uncertain, but the claim is in Miocene Pyramid sequence, which largely consists of basalt flows. Mineralization in the vicinity is associated with faults and dacite dikes (Garside and Bonham, 2003).

NO PROPERTY
529 Mattie B. patented claim

OTHER NAME(S)
Mineral Survey No. 2591

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal

QUAD SHEET
Olinghouse

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 20, T21N, R23E	4392800	248380	11

PRODUCTION
Small(?)

HISTORY
Located about 1900(?).

DEVELOPMENT
Patented lode claim, prospects.

SAMPLE SITE(S)

REMARKS
Location is taken from a cluster of prospects on the claim.

REFERENCES
Bonham and Papke, 1969; Garside and Bonham, 2003; Washoe County Assessor's Map, 1996

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
529 **Mattie B. patented claim**

OTHER NAME(S)
Mineral Survey No. 2591

GEOLOGY

Detailed geology is uncertain, but the claim is in Miocene Pyramid sequence, which largely consists of basalt flows. Mineralization in the vicinity is associated with faults and dacite dikes (Garside and Bonham, 2003).

NO PROPERTY
531 South Emma patented claim
OTHER NAME(S)
Mineral Survey No. 4209; OG49

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 16, T21N, R23E	4392560	248580	11
PRODUCTION			
Small(?)			
HISTORY			
Located about 1900(?).			
DEVELOPMENT			
Patented lode claim, prospects.			
SAMPLE SITE(S)			
REMARKS			
Location is taken from a center of claim.			
REFERENCES			
Bonham and Papke, 1969; Washoe County Assessor's Map, 1996			
FIELD EXAMINER(S)			
L.J. Garside, 8/17/1990			
OCCURRENCE			
Metallic			

NO PROPERTY
531 **South Emma patented claim**
OTHER NAME(S)
Mineral Survey No. 4209; OG49

GEOLOGY

The claim is in an area of Oligocene tuff of Painted Hills and overlying basaltic rocks of the Miocene Pyramid sequence. A small prospect pit about 200 m north of the UTM claim-center coordinates has iron-oxide coatings and bleached tuff along a N10°E, 70°SE fault.

NO PROPERTY
533 Silver Lake patented claim
OTHER NAME(S)
Mineral Survey No. 4394

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au, Cu	Cu-Au quartz-tourmaline vein

QUAD SHEET
Reno NW

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 35, T21N, R18E	4392510	248420	11

PRODUCTION
None(?).

HISTORY
Located on 1 Jan 1912 by R. G. Gillespie. Surveyed Nov 1919 by S. E. Montgomery. Patented 17 Jan 1923.

DEVELOPMENT
Discovery shaft.

SAMPLE SITE(S)

REMARKS
UTMs from discovery shaft.

REFERENCES
Hoke and Beach, 1949; Soeller and Nielsen, 1980; Tingley and others, 1999; USBLM Mineral Survey 4394 Platt, 1920; Washoe County Assessor's Map, 1972

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
533 Silver Lake patented claim

OTHER NAME(S)
Mineral Survey No. 4394

GEOLOGY

Quartz-tourmaline veins, probably with copper and gold, cut Mesozoic granodiorite. Some of the workings (at locality 107) are along a northwest-trending vein in the NE¼ NW¼ Sec. 35.

NO PROPERTY
534 Hecla No. 1 patented claim
OTHER NAME(S)
Mineral Survey No. 4394

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au, Cu	Cu-Au quartz-tourmaline vein

QUAD SHEET
Reno NW

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 26, NW¼ Sec. 35, T21N, R	4392360	248380	11

PRODUCTION
None(?).

HISTORY
Located on 1 Jan 1912 by R. G. Gillespie. Surveyed Nov 1919 by S. E. Montgomery. Patented 17 Jan 1923.

DEVELOPMENT
Discovery shaft.

SAMPLE SITE(S)

REMARKS
UTMs from discovery shaft.

REFERENCES
Hoke and Beach, 1949; Soeller and Nielsen, 1980; Tingley and others, 1999; USBLM Mineral Survey 4394 Platt, 1920; Washoe County Assessor's Map, 1972

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
534 Hecla No. 1 patented claim

OTHER NAME(S)
Mineral Survey No. 4394

GEOLOGY

Quartz-tourmaline veins, probably with copper and gold, cut Mesozoic granodiorite. Some of the workings (locality 107) are along a northwest-trending vein in the NE¼ NW¼ Sec. 35.

NO PROPERTY
535 Calumet No. 1 patented claim
OTHER NAME(S)
Mineral Survey No. 4394

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au, Cu	Cu-Au quartz-tourmaline vein

QUAD SHEET
Reno NW

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 26, NW¼ Sec. 35, T21N, R	4382160	251130	11

PRODUCTION
None(?).

HISTORY
Located on 1 Jan 1912 by R. G. Gillespie. Surveyed Nov 1919 by S. E. Montgomery. Patented 17 Jan 1923.

DEVELOPMENT
Discovery shaft.

SAMPLE SITE(S)

REMARKS
UTMs from discovery shaft.

REFERENCES
Hoke and Beach, 1949; Soeller and Nielsen, 1980; Tingley and others, 1999; USBLM Mineral Survey 4394 Platt, 1920; Washoe County Assessor's Map, 1972

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
535 Calumet No. 1 patented claim
OTHER NAME(S)
Mineral Survey No. 4394

GEOLOGY

Quartz-tourmaline veins, probably with copper and gold, cut Mesozoic granodiorite. Some of the workings (locality 107) are along a northwest-trending vein in the NE¼ NW¼ Sec. 35.

NO PROPERTY
536 Calumet patented claim

OTHER NAME(S)
Mineral Survey No. 4394

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 35, T21N, R18E	4381970	251230	11
PRODUCTION			
None(?).			
HISTORY			
Located on 1 Jan 1912 by R. G. Gillespie. Surveyed Nov 1919 by S. E. Montgomery. Patented 17 Jan 1923.			
DEVELOPMENT			
Patented claim, discovery shaft, shop, and adit with 140 m tunnel.			
SAMPLE SITE(S)			
4194			
REMARKS			
UTMs from dump of smaple RNW-14			
REFERENCES			
Hoke and Beach, 1949; Soeller and Nielsen, 1980; Tingley and others, 1999; USBLM Mineral Survey 4394 Platt, 1920; Washoe County Assessor's Map, 1972			
FIELD EXAMINER(S)			
D. A. Davis, 2/2/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
536 Calumet patented claim

OTHER NAME(S)

Mineral Survey No. 4394

GEOLOGY

Quartz-tourmaline veins, probably with copper and gold, cut Mesozoic granodiorite. Some of the workings (described in locality 107) are along a northwest-trending vein in the NE¼ NW¼ Sec. 35. Similar veins up to 1.2 m wide, with quartz, tourmaline, and locally oxide copper minerals and epidote were noted northeast of Dry Lake Summit (probably in SW¼ Sec. 35). Davis sample RNW-14: 0.16 opt Au, 0.78 opt Ag, 1.65% Cu, <0.5% Pb. Sample 4194 is grab dump material of vein and wallrock.

NO PROPERTY
537 Hecla patented claim
OTHER NAME(S)
Mineral Survey No. 4394

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ NW¼ Sec. 35, T21N, R18E	4382120	251410	11
PRODUCTION			
None(?).			
HISTORY			
Located on 1 Jan 1912 by R. G. Gillespie. Surveyed Nov 1919 by S. E. Montgomery. Patented 17 Jan 1923.			
DEVELOPMENT			
Patented claim, discovery shaft.			
SAMPLE SITE(S)			
REMARKS			
UTMs from discovery shaft.			
REFERENCES			
Hoke and Beach, 1949; Soeller and Nielsen, 1980; Tingley and others, 1999; USBLM Mineral Survey 4394 Platt, 1920; Washoe County Assessor's Map, 1972			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
537 Hecla patented claim

OTHER NAME(S)

Mineral Survey No. 4394

GEOLOGY

Quartz-tourmaline veins, probably with copper and gold, cut Mesozoic granodiorite. Some of the workings are along a northwest-trending vein in the NE¼ NW¼ Sec. 35. Similar veins up to 1.2 m wide, with quartz, tourmaline, and locally oxide copper minerals and epidote were noted northeast of Dry Lake Summit (probably in SW¼ Sec. 35).

NO PROPERTY
538 Silver Lake No. 2 patented claim

OTHER NAME(S)
Mineral Survey No. 4394

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 35, T21N, R18E	4381690	251930	11
PRODUCTION			
None(?).			
HISTORY			
Located on 14 Aug 1917 by R. G. Gillespie. Surveyed Nov 1919 by S. E. Montgomery. Patented 17 Jan 1923.			
DEVELOPMENT			
Patented claim, discovery shaft.			
SAMPLE SITE(S)			
REMARKS			
UTMs from discovery shaft.			
REFERENCES			
Hoke and Beach, 1949; Soeller and Nielsen, 1980; Tingley and others, 1999; USBLM Mineral Survey 4394 Platt, 1920; Washoe County Assessor's Map, 1972			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
538 Silver Lake No. 2 patented claim

OTHER NAME(S)
Mineral Survey No. 4394

GEOLOGY

Quartz-tourmaline veins, probably with copper and gold, cut Mesozoic granodiorite. Some of the workings are along a northwest-trending vein in the NE¼ NW¼ Sec. 35. Similar veins up to 1.2 m wide, with quartz, tourmaline, and locally oxide copper minerals and epidote were noted northeast of Dry Lake Summit (probably in SW¼ Sec. 35).

NO PROPERTY
539 Belmont patented claim

OTHER NAME(S)
Mineral Survey 3624

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET
Verdi

OWNERSHIP
Nevada Central Gold Mining Co. (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 31, T20N, R19E	4382240	251660	11

PRODUCTION
None(?)

HISTORY
Claim located 12 Jan 1908 and surveyed in Nov 1908.

DEVELOPMENT
Patented claim.

SAMPLE SITE(S)

REMARKS
UTMs from discovery shaft.

REFERENCES
Bell and Garside, 1987; Bonham and Papke, 1969; USBLM Mineral Survey Platt, 1909; Washoe County Assessor's Map, 1999

FIELD EXAMINER(S)
L.J. Garside, 1985

OCCURRENCE
Metallic

NO PROPERTY
539 Belmont patented claim

OTHER NAME(S)
Mineral Survey 3624

GEOLOGY

Pyrite-bearing quartz veins and veinlets containing gold mineralization cut hydrothermally altered Cretaceous granodiorite in a large sericitic and advanced argillic alteration zone on the southeast flank of Peavine Peak. Alteration K-Ar ages of 14.6 and 11.8 Ma (on sericite and alunite, respectively) are reported from nearby (Stewart and others, 1994). The older determination is believed to be more likely, based on other dating in the district and stratigraphic evidence. A little chalcopyrite is disseminated in the wall rock with pyrite, and this is reported to be cut by pyrite stringers with a little quartz (Hill, 1915, p. 193). Low pH water drains from caved adit. Discovery shaft UTM location about 700 m west of the Nevada Central Mine (no. 53).

NO PROPERTY
540 Belmont No. 1 patented claim

OTHER NAME(S)
Mineral Survey 3624

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET			
Verdi			

OWNERSHIP			
Nevada Central Gold Mining Co. (1914)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 31, T20N, R19E	4382230	251790	11

PRODUCTION
None(?)

HISTORY
Claim located 20 Apr 1908 and surveyed in Nov 1908.

DEVELOPMENT
Patented claim.

SAMPLE SITE(S)

REMARKS
UTMs from discovery shaft, which is about 600 m west of the Nevada Central Mine (no. 53).

REFERENCES
Bell and Garside, 1987; Bonham and Papke, 1969; USBLM Mineral Survey Platt, 1909; Washoe County Assessor's Map, 1999

FIELD EXAMINER(S)
L.J. Garside, 1985

OCCURRENCE
Metallic

NO PROPERTY
540 **Belmont No. 1 patented claim**

OTHER NAME(S)
Mineral Survey 3624

GEOLOGY

Pyrite-bearing quartz veins and veinlets containing gold mineralization cut hydrothermally altered Cretaceous granodiorite and nearby Tertiary andesite in a large alteration zone on the southeast flank of Peavine Peak.

NO PROPERTY
541 Belmont Fraction patented claim

OTHER NAME(S)
Mineral Survey 3624

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET
Verdi

OWNERSHIP
Nevada Central Gold Mining Co. (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 31, T20N, R19E	4382200	252000	11

PRODUCTION
None(?)

HISTORY
Claim located 12 May 1908 and surveyed in Nov 1908.

DEVELOPMENT
Patented claim.

SAMPLE SITE(S)

REMARKS
UTMs from discovery shaft.

REFERENCES
Bell and Garside, 1987; Bonham and Papke, 1969; USBLM Mineral Survey Platt, 1909; Washoe County Assessor's Map, 1999

FIELD EXAMINER(S)
L.J. Garside, 1985

OCCURRENCE
Metallic

NO PROPERTY
541 **Belmont Fraction patented claim**

OTHER NAME(S)
Mineral Survey 3624

GEOLOGY

Pyrite-bearing quartz veins and veinlets containing gold mineralization cut hydrothermally altered Cretaceous granodiorite and Tertiary andesite in a large sericitic and advanced argillic alteration zone on the southeast flank of Peavine Peak in the vicinity of the Nevada Central Mine (no. 53). The Belmont Fraction is about 400 m west of the Nevada Central.

NO PROPERTY
542 Valley View Mill Site patented claim
OTHER NAME(S)
Mineral Survey 4236

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET			
Verdi			

OWNERSHIP			
Nevada Central Gold Mining Co. (1914)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 31, T20N, R19E	4381850	251940	11

PRODUCTION			
None(?)			

HISTORY			
Claim located 22 Jun 1914 and surveyed in Jun 1914.			

DEVELOPMENT			
Patented claim. Adit with north-northwest-south-southeast-trending tunnel about 600 m long, now caved.			

SAMPLE SITE(S)			
3322			

REMARKS			
UTMs from adit.			

REFERENCES			
Bell and Garside, 1987; Bonham and Papke, 1969; USBLM Mineral Survey Platt, 1909; Washoe County Assessor's Map, 1999			

FIELD EXAMINER(S)			
L.J. Garside, 4/23/1985			

OCCURRENCE			
Metallic			

NO PROPERTY
542 Valley View Mill Site patented claim

OTHER NAME(S)
Mineral Survey 4236

GEOLOGY

Pyrite-bearing quartz veins and veinlets containing gold mineralization cut hydrothermally altered Cretaceous granodiorite in a large sericitic and advanced argillic alteration zone on the southeast flank of Peavine Peak. Alteration K-Ar ages of 14.6 and 11.8 Ma (on sericite and alunite, respectively) are reported from nearby (Stewart and others, 1994). The older determination is believed to be more likely, based on other dating in the district and stratigraphic evidence. A little chalcopyrite is disseminated in the wall rock with pyrite, and this is reported to be cut by pyrite stringers with a little quartz (Hill, 1915, p. 193). Low pH water drains from caved adit. Sample 3322 is a select sample of quartz vein material with pyrite and silicified Tertiary andesite from dump.

NO PROPERTY
543 Standard No. 1 claim

OTHER NAME(S)
Mineral Survey 3624

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET
Verdi

OWNERSHIP
Nevada Central Gold Mining Co. (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 31, T20N, R19E	4382180	251800	11

PRODUCTION
None(?)

HISTORY
Claim located 5 Jun 1908 and surveyed in Nov 1908.

DEVELOPMENT
One shaft in 1908.

SAMPLE SITE(S)

REMARKS
UTMs from discovery shaft. Corner of Standard, Lucky Boy, and Martha Washington claims near 4382540N, 251952E (U.S. General Land Office brass cap, 1929).

REFERENCES
Bell and Garside, 1987; Bonham and Papke, 1969; USBLM Mineral Survey Platt, 1909; Washoe County Assessor's Map, 1999

FIELD EXAMINER(S)
L.J. Garside, 4/23/1985

OCCURRENCE
Metallic

NO PROPERTY
543 **Standard No. 1 claim**

OTHER NAME(S)
Mineral Survey 3624

GEOLOGY

Pyrite-bearing quartz veins and veinlets containing gold mineralization cut hydrothermally altered Cretaceous granodiorite in a large sericitic and advanced argillic alteration zone on the southeast flank of Peavine Peak. The Standard No. 1 claim is near the Nevada Central Mine (no. 53), and the geology is similar.

NO PROPERTY
544 Standard claim

OTHER NAME(S)
Mineral Survey 3624

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET
Verdi

OWNERSHIP
Nevada Central Gold Mining Co. (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 31, T20N, R19E	4384230	264170	11

PRODUCTION
None(?)

HISTORY
Claim located 12 Jan 1908 and surveyed in Nov 1908.

DEVELOPMENT
One cut in 1908.

SAMPLE SITE(S)

REMARKS
UTMs from discovery shaft.

REFERENCES
Bell and Garside, 1987; Bonham and Papke, 1969; USBLM Mineral Survey Platt, 1909; Washoe County Assessor's Map, 1999

FIELD EXAMINER(S)
L.J. Garside, 4/23/1985

OCCURRENCE
Metallic

NO PROPERTY
544 **Standard claim**

OTHER NAME(S)
Mineral Survey 3624

GEOLOGY

Pyrite-bearing quartz veins and veinlets containing gold mineralization cut hydrothermally altered Cretaceous granodiorite in a large sericitic and advanced argillic alteration zone on the southeast flank of Peavine Peak. The Standard claim is near the Nevada Central Mine (no. 53), and the geology is similar.

NO PROPERTY
545 Luckey Boy claim

OTHER NAME(S)
Mineral Survey 3624

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	Igneous

QUAD SHEET			
Verdi			

OWNERSHIP			
Nevada Central Gold Mining Co. (1914)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 31, T20N, R19E	4384400	264120	11

PRODUCTION			
None(?)			

HISTORY			
Claim located 11 Mar 1908 and surveyed in Nov 1908.			

DEVELOPMENT			
One shaft in 1908.			

SAMPLE SITE(S)			

REMARKS			
UTMs from discovery shaft.			

REFERENCES			
Bell and Garside, 1987; Bonham and Papke, 1969; USBLM Mineral Survey Platt, 1909; Washoe County Assessor's Map, 1999			

FIELD EXAMINER(S)			
L.J. Garside, 4/23/1985			

OCCURRENCE			
Metallic			

NO PROPERTY
545 **Lucky Boy claim**

OTHER NAME(S)
Mineral Survey 3624

GEOLOGY

Pyrite-bearing quartz veins and veinlets containing gold mineralization cut hydrothermally altered Cretaceous granodiorite in a large sericitic and advanced argillic alteration zone on the southeast flank of Peavine Peak. The Lucky Boy 1 claim is near the Nevada Central Mine (no. 53), and the geology is similar.

NO PROPERTY
546 Gold Bar claim

OTHER NAME(S)
Mineral Survey 3624

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Au		High-sulfidation epithermal
QUAD SHEET					
Verdi					
OWNERSHIP					
Nevada Central Gold Mining Co. (1914)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 31, T20N, R19E		4384700	264130	11	
PRODUCTION					
None(?)					
HISTORY					
Claim located 12 Jan 1908 and surveyed in Nov 1908.					
DEVELOPMENT					
Two cuts in 1908.					
SAMPLE SITE(S)					
REMARKS					
UTMs from discovery shaft.					
REFERENCES					
Bell and Garside, 1987; Bonham and Papke, 1969; USBLM Mineral Survey Platt, 1909; Washoe County Assessor's Map, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 4/23/1985					
OCCURRENCE					
Metallic					

NO PROPERTY
546 Gold Bar claim

OTHER NAME(S)
Mineral Survey 3624

GEOLOGY

Pyrite-bearing quartz veins and veinlets containing gold mineralization cut hydrothermally altered Cretaceous granodiorite in a large sericitic and advanced argillic alteration zone on the southeast flank of Peavine Peak. The Gold Bar claim is apparently along the trend of mineralization of the Nevada Central Mine (no. 53).

NO PROPERTY
547 Gold Blossom Fraction

OTHER NAME(S)
Mineral Survey 3624

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET
Verdi

OWNERSHIP
Nevada Central Gold Mining Co. (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 31, T20N, R19E	4383170	263990	11

PRODUCTION
None(?)

HISTORY
Claim located 27 May 1908 and surveyed in Nov 1908.

DEVELOPMENT
Building(?) in 1908.

SAMPLE SITE(S)

REMARKS
UTMs from discovery shaft.

REFERENCES
Bell and Garside, 1987; Bonham and Papke, 1969; USBLM Mineral Survey Platt, 1909; Washoe County Assessor's Map, 1999

FIELD EXAMINER(S)
L.J. Garside, 4/23/1985

OCCURRENCE
Metallic

NO PROPERTY
547 Gold Blossom Fraction

OTHER NAME(S)
Mineral Survey 3624

GEOLOGY

Pyrite-bearing quartz veins and veinlets containing gold mineralization cut hydrothermally altered Cretaceous granodiorite in a large sericitic and advanced argillic alteration zone on the southeast flank of Peavine Peak. At the nearby Nevada Central Mine, a little chalcopyrite is disseminated in the wall rock with pyrite, and this is reported to be cut by pyrite stringers with a little quartz (Hill, 1915, p. 193).

NO PROPERTY
548 Lucky Strike Claim No. 3

OTHER NAME(S)
Mineral Suvey No. 4849

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High sulfidation epithermal

QUAD SHEET			
Vista			

OWNERSHIP			
Arthur C. Vaughn (1960)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 28, T20N, R20E	4383790	264110	11

PRODUCTION			
None(?)			

HISTORY			
Claim was surveyed in 1959. Mineral Survey was cancelled 1 Jan 1979			

DEVELOPMENT			
One claim of four in MS No. 4849 containing 6 cuts and 3 shafts in 1960.			

SAMPLE SITE(S)			

REMARKS			
UTM location at main cluster of 2 shafts and 3 cuts.			

REFERENCES			
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1960			

FIELD EXAMINER(S)			
L.J. Garside, 6/19/1997.			

OCCURRENCE			
Metallic			

NO PROPERTY
548 Lucky Strike Claim No. 3

OTHER NAME(S)
Mineral Suvey No. 4849

GEOLOGY

The shafts in the adjacent Lucky Strike No. 2 claim (see 457) were apparently placed to explore N45-50°W, 80°SE-90° iron-stained breccia zones in an irregular northeast-striking silicified ledge about 30 m long in Tertiary Alta Formation. The short adit to the south is on the margin of a larger, irregular quartz-alunite body (Bell and Bonham, 1987). Locally, finely crystalline, sugary quartz stockworks are observed in the commonly brecciated silicified (quartz±alunite) ledges.

NO PROPERTY
549 Lucky Strike Claim No. 5

OTHER NAME(S)
Mineral Suvey No. 4849

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High sulfidation epithermal

QUAD SHEET
Vista

OWNERSHIP
Arthur C. Vaughn (1960)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 21, NW¼ Sec. 28, T20N, R	4383210	264120	11

PRODUCTION
None(?)

HISTORY
Claim was surveyed in 1959. Mineral Survey was cancelled 7 Jul 1993

DEVELOPMENT
One claim of four in MS No. 4849 containing 3 cuts and 2 shafts in 1960.

SAMPLE SITE(S)

REMARKS
UTM location at a shafts near center of claim.

REFERENCES
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1960

FIELD EXAMINER(S)
L.J. Garside, 6/19/1997.

OCCURRENCE
Metallic

NO PROPERTY
549 Lucky Strike Claim No. 5

OTHER NAME(S)
Mineral Suvey No. 4849

GEOLOGY

The shafts in Lucky Strike No. 2 claim (see 457) were apparently placed to explore N45-50°W, 80°SE-90° iron-stained breccia zones in an irregular northeast-striking silicified ledge about 30 m long in Tertiary Alta Formation. The short adit to the south is on the margin of a larger, irregular quartz-alunite body (Bell and Bonham, 1987). Locally, finely crystalline, sugary quartz stockworks are observed in the commonly brecciated silicified (quartz±alunite) ledges.

NO PROPERTY
550 Lucky Strike Claim No. 6
OTHER NAME(S)
Mineral Suvey No. 4849

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High sulfidation epithermal

QUAD SHEET
Vista

OWNERSHIP
Arthur C. Vaughn (1960)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 21, T20N, R20E	4383220	264310	11

PRODUCTION
None(?)

HISTORY
Claim was surveyed in 1959. Mineral Survey was cancelled 7 Jul 1993

DEVELOPMENT
One claim of four in MS No. 4849 containing 2 shafts in 1960.

SAMPLE SITE(S)

REMARKS
UTM location at a shaft near center of claim.

REFERENCES
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1960

FIELD EXAMINER(S)
L.J. Garside, 6/19/1997.

OCCURRENCE
Metallic

NO PROPERTY
550 Lucky Strike Claim No. 6

OTHER NAME(S)
Mineral Suvey No. 4849

GEOLOGY

The shafts in Lucky Strike No. 2 claim (see 457) were apparently placed to explore N45-50°W, 80°SE-90° iron-stained breccia zones in an irregular northeast-striking silicified ledge about 30 m long in Tertiary Alta Formation. The short adit to the south is on the margin of a larger, irregular quartz-alunite body (Bell and Bonham, 1987). Locally, finely crystalline, sugary quartz stockworks are observed in the commonly brecciated silicified (quartz±alunite) ledges.

NO PROPERTY
551 Inez Lode Claim

OTHER NAME(S)
Mineral Suvey No. 4049

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Wedekind		Washoe	Au, Ag		High sulfidation epithermal
QUAD SHEET					
Vista					
OWNERSHIP					
Nevada Wedekind Mining Co. (1912)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 28, T20N, R20E		4383100	264440	11	
PRODUCTION					
None(?)					
HISTORY					
Claim was located 1 Jan 1911 and surveyed in Dec 1911. Mineral Survey was cancelled 7 Jul 1993					
DEVELOPMENT					
Two tunnels and 6 shafts in 1912.					
SAMPLE SITE(S)					
REMARKS					
UTM location at a shaft and adit that shows on both platt and topographic map.					
REFERENCES					
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1912					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
551 Inez Lode Claim

OTHER NAME(S)
Mineral Suvey No. 4049

GEOLOGY

Adit and shaft at UTM site explore a Tertiary quartz alunite ledge. These are resistant ledges consisting of quartz, alunite, minor diaspore, iron oxides, and zunyite, with pyrite below the zone of surficial oxidation (Bell and Bonham, 1987).

NO PROPERTY
552 Kentucky Claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High-sulfidation epithermal

QUAD SHEET
Vista

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ Sec. 28, T20N, R20E	4383180	264640	11

PRODUCTION
None(?)

HISTORY
Unsurveyed, unpatented claim located before 1902.

DEVELOPMENT
Unsurveyed claim that shows on MS No. 2070 (1902) containing at least one shaft.

SAMPLE SITE(S)

REMARKS
UTM location at a shaft on topographic map that is inside the claim boundaries.

REFERENCES
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1903

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
552 **Kentucky Claim**
OTHER NAME(S)

GEOLOGY

Shaft at UTM is on contact between Tertiary quartz alunite ledge, which is a resistant ledge consisting of quartz, alunite, and minor diaspore, iron oxides, and zunyite, with pyrite below the zone of surficial oxidation, and Tertiary Alta Formation consisting of bleached, light-colored rocks derived from from both hypogene hydrothermal alteration and supergene alteration of hydrothermally altered pyritic rocks. The Alta rocks are pyroxene, pyroxene-hornblende, and hornblende andesite lavas, debris flows, and pyroclastic flows that are typically argillized and consist predominantly of montmorillonite and/or kaolinite.

NO PROPERTY
553 Sage Hen Claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High-sulfidation epithermal

QUAD SHEET			
Vista			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW½ Sec. 28, T20N, R20E	4383310	264820	11

PRODUCTION			
None(?)			

HISTORY			
Unsurveyed, unpatented claim located before 1902.			

DEVELOPMENT			
Unsurveyed claim that shows on MS No. 2070 (1902) containing at least 2 shafts.			

SAMPLE SITE(S)			

REMARKS			
UTM location at two shafts on topographicmap that is inside the claim boundaries.			

REFERENCES			
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1903			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Metallic			

NO PROPERTY
553 Sage Hen Claim
OTHER NAME(S)

GEOLOGY

Shafts at UTM is on contact between Tertiary quartz alunite ledge, which is a resistant ledge consisting of quartz, alunite, and minor diaspore, iron oxides, and zunyite with pyrite below the zone of surficial oxidation (Bell and Bonham, 1987), and Tertiary Alta Formation consisting of bleached, light-colored rocks derived from from both hypogene hydrothermal alteration and supergene alteration of hydrothermally altered pyritic rocks. The Alta rocks are pyroxene, pyroxene-hornblende, and hornblende andesite lavas, debris flows, and pyroclastic flows that are typically argillized and consist predominantly of montmorillonite and/or kaolinite.

NO PROPERTY
554 Johnson Claim

OTHER NAME(S)
Sullivan Group; Mineral Survey No. 2070

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High-sulfidation epithermal

QUAD SHEET			
Vista			

OWNERSHIP			
J.D.O. Sullivan and others (1903)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 28, T20N, R20E	4383630	264360	11

PRODUCTION
None(?)

HISTORY
Located between May and Jul 1900, and surveyed in Dec 1902. Mineral Survey was cancelled 31 Jan 1979.

DEVELOPMENT
One of a group of nine claims, containing two shafts in 1903.

SAMPLE SITE(S)

REMARKS
UTM location at shaft on both platt and topographicmaps.

REFERENCES
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1903

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
554 Johnson Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

GEOLOGY

Shafts at UTM is near contact between Tertiary quartz alunite ledge, which is a resistant ledge consisting of quartz, alunite, and minor diaspore, iron oxides, and zunyite with pyrite below the zone of surficial oxidation (Bell and Bonham, 1987), and Tertiary Alta Formation consisting of bleached, light-colored rocks derived from from both hypogene hydrothermal alteration and supergene alteration of hydrothermally altered pyritic rocks. The Alta rocks are pyroxene, pyroxene-hornblende, and hornblende andesite lavas, debris flows, and pyroclastic flows that are typically argillized and consist predominantly of montmorillonite and/or kaolinite.

NO PROPERTY
555 Shields Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High-sulfidation epithermal

QUAD SHEET
Vista

OWNERSHIP
J.D.O. Sullivan and others (1903)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 28, T20N, R20E	4383870	264300	11

PRODUCTION
None(?)

HISTORY
Located between May and Jul 1900, and surveyed in Dec 1902. Mineral Survey was cancelled 31 Jan 1979.

DEVELOPMENT
One of a group of nine claims in 1903.

SAMPLE SITE(S)

REMARKS
UTMs are from discovery shaft.

REFERENCES
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1903

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
555 Shields Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

GEOLOGY

The claim is largely in Tertiary Alta Formation consisting of bleached, light-colored rocks derived from both hypogene hydrothermal alteration and supergene alteration of hydrothermally altered pyritic rocks. The Alta rocks are pyroxene, pyroxene-hornblende, and hornblende andesite lavas, debris flows, and pyroclastic flows that are typically argillized or replaced by ledges or irregular bodies of quartz-alunite alteration (Bell and Bonham, 1987). About 400 m sotheast of the UTM discovery shaft location alunite from the quartz-alunite ledge was dated by K-Ar methods at 16.3 ± 0.5 Ma (Garside and others, 1993).

NO PROPERTY
556 Jane Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High-sulfidation epithermal
QUAD SHEET			
Vista			
OWNERSHIP			
J.D.O. Sullivan and others (1903)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 28, T20N, R20E	4383900	264620	11
PRODUCTION			
None(?)			
HISTORY			
Located between May and Jul 1900, and surveyed in Dec 1902. Mineral Survey was cancelled 31 Jan 1979.			
DEVELOPMENT			
One of a group of nine claims, containing 3 shafts in 1903.			
SAMPLE SITE(S)			
REMARKS			
UTMs from prospects on topographic map that are within the claim boundaries.			
REFERENCES			
Bell and Bonham, 1987; BLM Mineral Survey Plat, 1903			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
556 Jane Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

GEOLOGY

Prospects are near contact between Tertiary quartz alunite ledge, which is a resistant ledge consisting of quartz, alunite, and minor diaspore, iron oxides, and zunyite with pyrite below the zone of surficial oxidation (Bell and Bonham, 1987), and Tertiary Alta Formation consisting of bleached, light-colored rocks derived from both hypogene hydrothermal alteration and supergene alteration of hydrothermally altered pyritic rocks. The Alta rocks are pyroxene, pyroxene-hornblende, and hornblende andesite lavas, debris flows, and pyroclastic flows that are typically argillized and consist predominantly of montmorillonite and/or kaolinite.

NO PROPERTY
557 Last Chance Claim

OTHER NAME(S)
Sullivan Group; Mineral Survey No. 2070

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High-sulfidation epithermal

QUAD SHEET

Vista

OWNERSHIP

J.D.O. Sullivan and others (1903)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 28, T20N, R20E	4383620	264670	11

PRODUCTION

None(?)

HISTORY

Located between May and Jul 1900, and surveyed in Dec 1902. Mineral Survey was cancelled 31 Jan 1979.

DEVELOPMENT

One of a group of nine claims, containing 2 shafts in 1903.

SAMPLE SITE(S)

REMARKS

UTM location at shaft on in center of northeast quarter of claim.

REFERENCES

Bell and Bonham, 1987; BLM Mineral Survey Platt, 1903

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
557 **Last Chance Claim**

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

GEOLOGY

Shaft at UTM is in Tertiary Alta Formation consisting of bleached, light-colored rocks derived from from both hypogene hydrothermal alteration and supergene alteration of hydrothermally altered pyritic rocks. The Alta rocks are pyroxene, pyroxene-hornblende, and hornblende andesite lavas, debris flows and pyroclastic flow rocks that are typically argillized and consist predominantly of montmorillonite and/or kaolinite.

NO PROPERTY
558 First Chance Claim
OTHER NAME(S)
Sullivan Group; Mineral Survey No. 2070

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High-sulfidation epithermal

QUAD SHEET
Vista

OWNERSHIP
J.D.O. Sullivan and others (1903)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 28, T20N, R20E	4383400	264530	11

PRODUCTION
None(?)

HISTORY
Located between May and Jul 1900, and surveyed in Dec 1902. Mineral Survey was cancelled 31 Jan 1979.

DEVELOPMENT
One of a group of nine claims in 1903.

SAMPLE SITE(S)

REMARKS
UTMs from discovery shaft.

REFERENCES
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1903

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
558 **First Chance Claim**

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

GEOLOGY

Claim is largely in both Tertiary quartz alunite ledge, which is a resistant ledge consisting of quartz, alunite, and minor diaspore, iron oxides, and zunyite with pyrite below the zone of surficial oxidation (Bell and Bonham, 1987), and Tertiary Alta Formation consisting of bleached, light-colored rocks derived from from both hypogene hydrothermal alteration and supergene alteration of hydrothermally altered pyritic rocks. The Alta rocks are pyroxene, pyroxene-hornblende, and hornblende andesite lavas, debris flows, and pyroclastic flows that are typically argillized and consist predominantly of montmorillonite and/or kaolinite.

NO PROPERTY
559 Lake Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High-sulfidation epithermal
QUAD SHEET			
Vista			
OWNERSHIP			
J.D.O. Sullivan and others (1903)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 28, T20N, R20E	4388380	246640	11
PRODUCTION			
None(?)			
HISTORY			
Located between May and Jul 1900, and surveyed in Dec 1902. Mineral Survey was cancelled 31 Jan 1979.			
DEVELOPMENT			
One of a group of nine claims in 1903.			
SAMPLE SITE(S)			
REMARKS			
UTMs from discovery shaft.			
REFERENCES			
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1903			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
559 Lake Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

GEOLOGY

Discovery shaft is at contact between Tertiary quartz alunite ledge, which is a resistant ledge consisting of quartz, alunite, and minor diaspore, iron oxides, and zunyite with pyrite below the zone of surficial oxidation (Bell and Bonham, 1987), and Tertiary Alta Formation consisting of bleached, light-colored rocks derived from from both hypogene hydrothermal alteration and supergene alteration of hydrothermally altered pyritic rocks. The Alta rocks are pyroxene, pyroxene-hornblende, and hornblende andesite lavas, debris flows, and pyroclastic flows that are typically argillized and consist predominantly of montmorillonite and/or kaolinite.

NO PROPERTY
560 Gael Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High-sulfidation epithermal
QUAD SHEET			
Vista			
OWNERSHIP			
J.D.O. Sullivan and others (1903)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 28, T20N, R20E	4388430	246740	11
PRODUCTION			
None(?)			
HISTORY			
Located between May and Jul 1900, and surveyed in Dec 1902. Mineral Survey was cancelled 31 Jan 1979.			
DEVELOPMENT			
One of a group of nine claims in 1903.			
SAMPLE SITE(S)			
REMARKS			
UTMs from discovery shaft.			
REFERENCES			
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1903			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY

560 Gael Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

GEOLOGY

Discovery shaft is in Tertiary quartz alunite ledge, which is a resistant ledge consisting of quartz, alunite, and minor diaspore, iron oxides, and zunyite with pyrite below the zone of surficial oxidation. The claim, however, is largely in Tertiary Alta Formation consisting of bleached, light-colored rocks derived from both hypogene hydrothermal alteration and supergene alteration of hydrothermally altered pyritic rocks. The Alta rocks are pyroxene, pyroxene-hornblende, and hornblende andesite lavas, debris flows, and pyroclastic flows that are typically argillized and consist predominantly of montmorillonite and/or kaolinite.

NO PROPERTY
561 Johanna Claim

OTHER NAME(S)
Sullivan Group; Mineral Survey No. 2070

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High-sulfidation epithermal

QUAD SHEET
Vista

OWNERSHIP
J.D.O. Sullivan and others (1903)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 28, T20N, R20E	4388480	246870	11

PRODUCTION
None(?)

HISTORY
Located between May and Jul 1900, and surveyed in Dec 1902. Mineral Survey was cancelled 31 Jan 1979.

DEVELOPMENT
One of a group of nine claims containing 2 shafts in 1903.

SAMPLE SITE(S)

REMARKS
UTMs from shaft in center of west half of claim.

REFERENCES
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1903

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
561 Johanna Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

GEOLOGY

Discovery shaft is near contact between Tertiary quartz alunite ledge, which is a resistant ledge consisting of quartz, alunite, and minor diaspore, iron oxides, and zunyite with pyrite below the zone of surficial oxidation, and Tertiary Alta Formation consisting of bleached, light-colored rocks derived from from both hypogene hydrothermal alteration and supergene alteration of hydrothermally altered pyritic rocks. The Alta rocks are pyroxene, pyroxene-hornblende, and hornblende andesite lavas, debris flows, and pyroclastic flows that are typically argillized and consist predominantly of montmorillonite and/or kaolinite.

NO PROPERTY
562 Haphazard Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au, Ag	High-sulfidation epithermal

QUAD SHEET			
Vista			

OWNERSHIP			
J.D.O. Sullivan and others (1903)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 28, T20N, R20E	4388390	246640	11

PRODUCTION
None(?)

HISTORY
Located between May and Jul 1900, and surveyed in Dec 1902. Mineral Survey was cancelled 31 Jan 1979.

DEVELOPMENT
One of a group of nine claims containing 7 shafts in 1903.

SAMPLE SITE(S)

REMARKS
UTMs from cluster of shafts on both platt and topographic map.

REFERENCES
Bell and Bonham, 1987; BLM Mineral Survey Platt, 1903

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
562 Haphazard Claim

OTHER NAME(S)

Sullivan Group; Mineral Survey No. 2070

GEOLOGY

Shafts are near contact between Tertiary quartz alunite ledge, which is a resistant ledge consisting of quartz, alunite, and minor diaspore, iron oxides, and zunyite with pyrite below the zone of surficial oxidation, and Tertiary Alta Formation consisting of bleached, light-colored rocks derived from from both hypogene hydrothermal alteration and supergene alteration of hydrothermally altered pyritic rocks. The Alta rocks are pyroxene, pyroxene-hornblende, and hornblende andesite lavas, debris flows, and pyroclastic flows that are typically argillized and consist predominantly of montmorillonite and/or kaolinite.

NO PROPERTY
563 North Mountain patented claim

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 43

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Verdi			
OWNERSHIP			
Julius Redelius (1956)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 10, T20N, R18E	4388210	247120	11
PRODUCTION			
None(?)			
HISTORY			
Earliest of three periods of sets of claims. Located 19 May 1879 by P. N. Norton, surveyed in 1886, and patented after 1892. Part of Julius Redelius patented claim group in 1956.			
DEVELOPMENT			
One patented containing an incline in 1892. Underground workings are not accessible, and most have been bulldozed, possibly during the late 1950s when exploration work was conducted by Julius Redelius of Reno.			
SAMPLE SITE(S)			
REMARKS			
UTMs from mouth of incline at north end of claim.			
REFERENCES			
Bonham and Papke, 1969; Hill, 1916; Hudson, 1977; Mason and others, 1996, Rec. M231170; Overton, 1947; U.S. Bureau of Mines, 1995, Seq. 0320310106; U.S. BLM Claim Survey Maps, 1880, 1907, 1956			
FIELD EXAMINER(S)			
L.J. Garside, 1985 and 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
563 North Mountain patented claim

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 43

GEOLOGY

Milky quartz veins and veinlets contain sparse remnants of the hypogene minerals bornite, pyrite, magnetite, and chalcopyrite. Oxide copper minerals (tenorite, malachite, chalcantite, and cornetite(?)) are common and iron oxides occur as boxworks and fracture coatings. Some chalcocite is also reported. The wall rock is predominantly light to dark gray, silicic welded tuff of the Jurassic(?) Peavine sequence. Epidote is common in these rocks in the vicinity of the mine, and a small exposure of interbedded basalt (locally vesicular) is strongly epidotized and contains sparse brown garnet(?). The veins are reportedly gold-bearing (Hudson, 1977). Vein attitudes are not obvious although Bonham and Papke (1969) reported that they parallel foliation in the tuff, and Hudson (1977) reported both parallel and cross-cutting attitudes. Black tourmaline occurs as breccia fillings, veinlets, and replacements associated with the mineralization. Veins are probably late-stage skarn-related mineralization. The contact metasomatic mineralization could be related to Cretaceous granodiorite or Jurassic(?) magmatism coeval with the Peavine sequence volcanic and sub-volcanic rocks. Other similar copper prospects occur elsewhere on Peavine Peak.

NO PROPERTY
564 Copper King No. 3
OTHER NAME(S)
Red Metals Mine; Mineral Survey No. 3400

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Verdi			
OWNERSHIP			
Julius Redelius (1956)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 10, T20N, R18E	4388350	246670	11
PRODUCTION			
793 ton of ore having a value of \$11,381 (1912-1913).			
HISTORY			
Second of three periods of sets of claims. Located by George Heill, Daniel Call, and R. L. Stone and surveyed in Oct 1907. Probably part of location of production in 1912-1913.			
DEVELOPMENT			
One claim in group of three in 1907 containing two tunnels. One adit reported to be 365 m long. Underground workings are not accessible, and most have been bulldozed, possibly during the late 1950s when exploration work was conducted by Julius Redelius.			
SAMPLE SITE(S)			
REMARKS			
UTMs from mouth of inclined tunnel in east half of claim.			
REFERENCES			
Bonham and Papke, 1969; Couch and Carpenter, 1943; Hill, 1915; Hudson, 1977; Mason and others, 1996, Rec. M231170; Overton, 1947; U S. Bureau of Mines, 1995, Seq. 0320310106; Weed, 1918; USBLM Claim Survey Maps, 1880, 1907, 1956			
FIELD EXAMINER(S)			
L.J. Garside, 1985 and 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
564 Copper King No. 3

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 3400

GEOLOGY

Milky quartz veins and veinlets contain sparse remnants of the hypogene minerals bornite, pyrite, magnetite, and chalcopyrite. Oxide copper minerals (tenorite, malachite, chalcantite, and cornetite(?)) are common and iron oxides occur as boxworks and fracture coatings. Some chalcocite is also reported. The wall rock is predominantly light to dark gray, silicic welded tuff of the Jurassic(?) Peavine sequence. Epidote is common in these rocks in the vicinity of the mine, and a small exposure of interbedded basalt (locally vesicular) is strongly epidotized and contains sparse brown garnet(?). The veins are reportedly gold-bearing (Hudson, 1977). Vein attitudes are not obvious although Bonham and Papke (1969) reported that they parallel foliation in the tuff, and Hudson (1977) reported both parallel and cross-cutting attitudes. Black tourmaline occurs as breccia fillings, veinlets, and replacements associated with the mineralization. Veins are probably late-stage skarn-related mineralization. The contact metasomatic mineralization could be related to Cretaceous granodiorite or Jurassic(?) magmatism coeval with the Peavine sequence volcanic and sub-volcanic rocks. Other similar copper prospects occur elsewhere on Peavine Peak. In 1918, average assays reported were 9% copper, 15 opt silver, and \$4.80 per ton gold.

NO PROPERTY
565 Copper Carbonate
OTHER NAME(S)
Red Metals Mine; Mineral Survey No. 3400

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Verdi			
OWNERSHIP			
Julius Redelius (1956)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 10, T20N, R18E	4388480	246790	11
PRODUCTION			
793 ton of ore having a value of \$11,381 (1912-1913).			
HISTORY			
Second of three periods of sets of claims. Located by George Heill, Daniel Call, and R. L. Stone and surveyed in Oct 1907. Probably part of location of production in 1912-1913.			
DEVELOPMENT			
One claim in group of three in 1907 containing two tunnels. One adit reported to be 365 m long. Underground workings are not accessible, and most have been bulldozed, possibly during the late 1950s when exploration work was conducted by Julius Redelius.			
SAMPLE SITE(S)			
REMARKS			
UTMs from mouth of inclined tunnel at west end of claim.			
REFERENCES			
Bonham and Papke, 1969; Couch and Carpenter, 1943; Hill, 1915; Hudson, 1977; Mason and others, 1996, Rec. M231170; Overton, 1947; U S. Bureau of Mines, 1995, Seq. 0320310106; USBLM Claim Survey Maps, 1880, 1907, 1956			
FIELD EXAMINER(S)			
L.J. Garside, 1985 and 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
565 Copper Carbonate

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 3400

GEOLOGY

Milky quartz veins and veinlets contain sparse remnants of the hypogene minerals bornite, pyrite, magnetite, and chalcopyrite. Oxide copper minerals (tenorite, malachite, chalcantite, and cornetite(?)) are common and iron oxides occur as boxworks and fracture coatings. Some chalcocite is also reported. The wall rock is predominantly light to dark gray, silicic welded tuff of the Jurassic(?) Peavine sequence. Epidote is common in these rocks in the vicinity of the mine, and a small exposure of interbedded basalt (locally vesicular) is strongly epidotized and contains sparse brown garnet(?). The veins are reportedly gold-bearing (Hudson, 1977). Vein attitudes are not obvious although Bonham and Papke (1969) reported that they parallel foliation in the tuff, and Hudson (1977) reported both parallel and cross-cutting attitudes. Black tourmaline occurs as breccia fillings, veinlets, and replacements associated with the mineralization. Veins are probably late-stage skarn-related mineralization. The contact metasomatic mineralization could be related to Cretaceous granodiorite or Jurassic(?) magmatism coeval with the Peavine sequence volcanic and sub-volcanic rocks. Other similar copper prospects occur elsewhere on Peavine Peak.

NO PROPERTY
566 Copper King Quartz
OTHER NAME(S)
Red Metals Mine; Mineral Survey No. 3400

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Verdi			
OWNERSHIP			
Julius Redelius (1956)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 10, T20N, R18E	4388520	247220	11
PRODUCTION			
793 ton of ore having a value of \$11,381 (1912-1913).			
HISTORY			
Second of three periods of sets of claims. Located by George Heill, Daniel Call, and R. L. Stone and surveyed in Oct 1907. Probably part of location of production in 1912-1913.			
DEVELOPMENT			
One claim in group of three in 1907 containing two houses and a stable in 1907.			
SAMPLE SITE(S)			
REMARKS			
UTMs from discovery monument.			
REFERENCES			
Bonham and Papke, 1969; Couch and Carpenter, 1943; Hill, 1915; Hudson, 1977; Mason and others, 1996, Rec. M231170; Overton, 1947; U S. Bureau of Mines, 1995, Seq. 0320310106; USBLM Claim Survey Maps, 1880, 1907, 1956			
FIELD EXAMINER(S)			
L.J. Garside, 1985 and 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
566 Copper King Quartz

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 3400

GEOLOGY

Milky quartz veins and veinlets contain sparse remnants of the hypogene minerals bornite, pyrite, magnetite, and chalcopyrite. Oxide copper minerals (tenorite, malachite, chalcantite, and cornetite(?)) are common and iron oxides occur as boxworks and fracture coatings. Some chalcocite is also reported. The wall rock is predominantly light to dark gray, silicic welded tuff of the Jurassic(?) Peavine sequence. Epidote is common in these rocks in the vicinity of the mine, and a small exposure of interbedded basalt (locally vesicular) is strongly epidotized and contains sparse brown garnet(?). The veins are reportedly gold-bearing (Hudson, 1977). Vein attitudes are not obvious although Bonham and Papke (1969) reported that they parallel foliation in the tuff, and Hudson (1977) reported both parallel and cross-cutting attitudes. Black tourmaline occurs as breccia fillings, veinlets, and replacements associated with the mineralization. Veins are probably late-stage skarn-related mineralization. The contact metasomatic mineralization could be related to Cretaceous granodiorite or Jurassic(?) magmatism coeval with the Peavine sequence volcanic and sub-volcanic rocks. Other similar copper prospects occur elsewhere on Peavine Peak.

NO PROPERTY
567 North View

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 4832

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Verdi			
OWNERSHIP			
Julius Redelius (1956)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 10, T20N, R18E	4388520	247400	11
PRODUCTION			
None(?)			
HISTORY			
One patented claim in group of six located by Julius Redelius, surveyed in 1956, and patented in 1958.			
DEVELOPMENT			
One patented claim of a group of six containing one cut.			
SAMPLE SITE(S)			
REMARKS			
UTMs from cut.			
REFERENCES			
Bonham and Papke, 1969; Couch and Carpenter, 1943; Hill, 1915; Hudson, 1977; Mason and others, 1996, Rec. M231170; Overton, 1947; U S. Bureau of Mines, 1995, Seq. 0320310106; USBLM Claim Survey Maps, 1880, 1907, 1956			
FIELD EXAMINER(S)			
L.J. Garside, 1985 and 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
567 North View

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 4832

GEOLOGY

Milky quartz veins and veinlets contain sparse remnants of the hypogene minerals bornite, pyrite, magnetite, and chalcopryrite. Oxide copper minerals (tenorite, malachite, chalcantite, and cornetite(?)) are common and iron oxides occur as boxworks and fracture coatings. Some chalcocite is also reported. The wall rock is predominantly light to dark gray, silicic welded tuff of the Jurassic(?) Peavine sequence. Epidote is common in these rocks in the vicinity of the mine, and a small exposure of interbedded basalt (locally vesicular) is strongly epidotized and contains sparse brown garnet(?). The veins are reportedly gold-bearing (Hudson, 1977). Vein attitudes are not obvious although Bonham and Papke (1969) reported that they parallel foliation in the tuff, and Hudson (1977) reported both parallel and cross-cutting attitudes. Black tourmaline occurs as breccia fillings, veinlets, and replacements associated with the mineralization. Veins are probably late-stage skarn-related mineralization. The contact metasomatic mineralization could be related to Cretaceous granodiorite or Jurassic(?) magmatism coeval with the Peavine sequence volcanic and sub-volcanic rocks. Other similar copper prospects occur elsewhere on Peavine Peak.

NO PROPERTY
568 North View No. 1
OTHER NAME(S)
Red Metals Mine; Mineral Survey No. 4832

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Verdi			
OWNERSHIP			
Julius Redelius (1956)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 10, T20N, R18E	4383380	256730	11
PRODUCTION			
None(?)			
HISTORY			
One patented claim in group of six located by Julius Redelius, surveyed in 1956, and patented in 1958.			
DEVELOPMENT			
One patented claim of a group of six containing one cut.			
SAMPLE SITE(S)			
REMARKS			
UTMs from cut.			
REFERENCES			
Bonham and Papke, 1969; Couch and Carpenter, 1943; Hill, 1915; Hudson, 1977; Mason and others, 1996, Rec. M231170; Overton, 1947; U S. Bureau of Mines, 1995, Seq. 0320310106; USBLM Claim Survey Maps, 1880, 1907, 1956			
FIELD EXAMINER(S)			
L.J. Garside, 1985 and 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
568 North View No. 1

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 4832

GEOLOGY

Milky quartz veins and veinlets contain sparse remnants of the hypogene minerals bornite, pyrite, magnetite, and chalcopyrite. Oxide copper minerals (tenorite, malachite, chalcantite, and cornetite(?)) are common and iron oxides occur as boxworks and fracture coatings. Some chalcocite is also reported. The wall rock is predominantly light to dark gray, silicic welded tuff of the Jurassic(?) Peavine sequence. Epidote is common in these rocks in the vicinity of the mine, and a small exposure of interbedded basalt (locally vesicular) is strongly epidotized and contains sparse brown garnet(?). The veins are reportedly gold-bearing (Hudson, 1977). Vein attitudes are not obvious although Bonham and Papke (1969) reported that they parallel foliation in the tuff, and Hudson (1977) reported both parallel and cross-cutting attitudes. Black tourmaline occurs as breccia fillings, veinlets, and replacements associated with the mineralization. Veins are probably late-stage skarn-related mineralization. The contact metasomatic mineralization could be related to Cretaceous granodiorite or Jurassic(?) magmatism coeval with the Peavine sequence volcanic and sub-volcanic rocks. Other similar copper prospects occur elsewhere on Peavine Peak.

NO PROPERTY
569 North View No. 2
OTHER NAME(S)
Red Metals Mine; Mineral Survey No. 4832

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Cu-Au quartz-tourmaline vein

QUAD SHEET			
Verdi			

OWNERSHIP			
Julius Redelius (1956)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 10, T20N, R18E	4383460	256880	11

PRODUCTION
None(?)

HISTORY
One patented claim in group of six located by Julius Redelius, surveyed in 1956, and patented in 1958.

DEVELOPMENT
One patented claim of a group of six containing two cuts and a cabin.

SAMPLE SITE(S)

REMARKS
UTMs from two cuts, which are adjacent ot each other.

REFERENCES
Bonham and Papke, 1969; Couch and Carpenter, 1943; Hill, 1915; Hudson, 1977; Mason and others, 1996, Rec. M231170; Overton, 1947; U S. Bureau of Mines, 1995, Seq. 0320310106; USBLM Claim Survey Maps, 1880, 1907, 1956

FIELD EXAMINER(S)
L.J. Garside, 1985 and 1989

OCCURRENCE
Metallic

NO PROPERTY
569 North View No. 2

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 4832

GEOLOGY

Milky quartz veins and veinlets contain sparse remnants of the hypogene minerals bornite, pyrite, magnetite, and chalcopyrite. Oxide copper minerals (tenorite, malachite, chalcantite, and cornetite(?)) are common and iron oxides occur as boxworks and fracture coatings. Some chalcocite is also reported. The wall rock is predominantly light to dark gray, silicic welded tuff of the Jurassic(?) Peavine sequence. Epidote is common in these rocks in the vicinity of the mine, and a small exposure of interbedded basalt (locally vesicular) is strongly epidotized and contains sparse brown garnet(?). The veins are reportedly gold-bearing (Hudson, 1977). Vein attitudes are not obvious although Bonham and Papke (1969) reported that they parallel foliation in the tuff, and Hudson (1977) reported both parallel and cross-cutting attitudes. Black tourmaline occurs as breccia fillings, veinlets, and replacements associated with the mineralization. Veins are probably late-stage skarn-related mineralization. The contact metasomatic mineralization could be related to Cretaceous granodiorite or Jurassic(?) magmatism coeval with the Peavine sequence volcanic and sub-volcanic rocks. Other similar copper prospects occur elsewhere on Peavine Peak.

NO PROPERTY
570 North View No. 4
OTHER NAME(S)
Red Metals Mine; Mineral Survey No. 4832

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Verdi			
OWNERSHIP			
Julius Redelius (1956)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 10, T20N, R18E	4392620	246380	11
PRODUCTION			
None(?)			
HISTORY			
One patented claim in group of six located by Julius Redelius, surveyed in 1956, and patented in 1958.			
DEVELOPMENT			
One patented claim of a group of six containing three cuts.			
SAMPLE SITE(S)			
REMARKS			
UTMs from cut at east center of claim.			
REFERENCES			
Bonham and Papke, 1969; Couch and Carpenter, 1943; Hill, 1915; Hudson, 1977; Mason and others, 1996, Rec. M231170; Overton, 1947; U S. Bureau of Mines, 1995, Seq. 0320310106; USBLM Claim Survey Maps, 1880, 1907, 1956			
FIELD EXAMINER(S)			
L.J. Garside, 1985 and 1989			
OCCURRENCE			
Metallic			

NO PROPERTY
570 North View No. 4

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 4832

GEOLOGY

Milky quartz veins and veinlets contain sparse remnants of the hypogene minerals bornite, pyrite, magnetite, and chalcopyrite. Oxide copper minerals (tenorite, malachite, chalcantite, and cornetite(?)) are common and iron oxides occur as boxworks and fracture coatings. Some chalcocite is also reported. The wall rock is predominantly light to dark gray, silicic welded tuff of the Jurassic(?) Peavine sequence. Epidote is common in these rocks in the vicinity of the mine, and a small exposure of interbedded basalt (locally vesicular) is strongly epidotized and contains sparse brown garnet(?). The veins are reportedly gold-bearing (Hudson, 1977). Vein attitudes are not obvious although Bonham and Papke (1969) reported that they parallel foliation in the tuff, and Hudson (1977) reported both parallel and cross-cutting attitudes. Black tourmaline occurs as breccia fillings, veinlets, and replacements associated with the mineralization. Veins are probably late-stage skarn-related mineralization. The contact metasomatic mineralization could be related to Cretaceous granodiorite or Jurassic(?) magmatism coeval with the Peavine sequence volcanic and sub-volcanic rocks. Other similar copper prospects occur elsewhere on Peavine Peak.

NO PROPERTY

571 Revelation

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 4832

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Verdi			
OWNERSHIP			
Julius Redelius (1956)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 10, T20N, R18E	4406500	293600	11
PRODUCTION			
None(?)			
HISTORY			
One patented claim in group of six located by Julius Redelius, surveyed in 1956, and patented in 1958.			
DEVELOPMENT			
One patented claim of a group of six containing three cuts.			
SAMPLE SITE(S)			
3333			
REMARKS			
UTMs from site of 3333.			
REFERENCES			
Bonham and Papke, 1969; Couch and Carpenter, 1943; Hill, 1915; Hudson, 1977; Mason and others, 1996, Rec. M231170; Overton, 1947; U S. Bureau of Mines, 1995, Seq. 0320310106; USBLM Claim Survey Maps, 1880, 1907, 1956			
FIELD EXAMINER(S)			
L.J. Garside, 1985 and 1989			
OCCURRENCE			
Metallic			

NO PROPERTY

571 Revelation

OTHER NAME(S)

Red Metals Mine; Mineral Survey No. 4832

GEOLOGY

Milky quartz veins and veinlets contain sparse remnants of the hypogene minerals bornite, pyrite, magnetite, and chalcopyrite. Oxide copper minerals (tenorite, malachite, chalcantite, and cornetite(?)) are common and iron oxides occur as boxworks and fracture coatings. Some chalcocite is also reported. The wall rock is predominantly light to dark gray, silicic welded tuff of the Jurassic(?) Peavine sequence. Epidote is common in these rocks in the vicinity of the mine, and a small exposure of interbedded basalt (locally vesicular) is strongly epidotized and contains sparse brown garnet(?). The veins are reportedly gold-bearing (Hudson, 1977). Vein attitudes are not obvious although Bonham and Papke (1969) reported that they parallel foliation in the tuff, and Hudson (1977) reported both parallel and cross-cutting attitudes. Black tourmaline occurs as breccia fillings, veinlets, and replacements associated with the mineralization. Veins are probably late-stage skarn-related mineralization. The contact metasomatic mineralization could be related to Cretaceous granodiorite or Jurassic(?) magmatism coeval with the Peavine sequence volcanic and sub-volcanic rocks. Other similar copper prospects occur elsewhere on Peavine Peak. Sample 3333 is a select sample of pyrite, bornite, copper oxide minerals, and milky quartz from cuts referred to as Red Metals mine.

NO PROPERTY
572 Nona Lode Claim

OTHER NAME(S)

Charlton property; Nona Consolidated Quartz Claim; Mineral Survey No. 4210; Reno-Mizpah Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
Saga Exploration (1988)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 27, T20N, R19E	4379800	273000	11
PRODUCTION			
Small(?)			
HISTORY			
Located by Greenhorn Mining Company 25 Feb 1905. Charlton Consolidated Mining Co. owned Nona in 1913 and combined it with the Isabella Lode Claim forming the Nona Consolidated Quartz Claim. Claims surveyed in 1914 and patented in 1915.			
DEVELOPMENT			
One of two patented claims and originally one of eight unpatented claims. Caved adit with moderate-sized dump. Hill (1915) reports a 183 m adit; USGS (1906, 1907) suggest two adits of 270 and 275 m.			
SAMPLE SITE(S)			
3443			
REMARKS			
Hill (1915) and topographicmap erroneously suggests these to be part of the Reno-Mizpah Mine.			
REFERENCES			
Bonham and Bingler, 1973; Bonham and Papke, 1969; Hill, 1915; Quade and others, 1990a, 1990b; U.S. BLM Claim Survey Map, 1914; Washoe County Mining Claims Records, 1905, 1913, 1918			
FIELD EXAMINER(S)			
L.J. Garside and D. A. Davis, 5/22/1989			
OCCURRENCE			
Metallic			

NO PROPERTY
572 **Nona Lode Claim**

OTHER NAME(S)

Charlton property; Nona Consolidated Quartz Claim; Mineral Survey No. 4210; Reno-Mizpah Mine

GEOLOGY

At the adits, dump samples contain pyrite and enargite (by x-ray diffraction) with strong silicification and quartz veining (enargite was only noted on the south dump). The wall rock is silicified and argillized andesite of the Alta Formation. Alunite(?) may be present. The caved adits trend into a hillside and northeast-trending ridge which may be the mineralized structure, although little can be seen at the surface. Hill (1915, p. 194) reported that the adit he examined was probably an attempt to crosscut to a N70W silicified zone, which he believes was not reached. Possibly this description refers to the north adit. Pyrite is quite high in dump samples, and is reported to occur in the workings in a narrow, northerly-trending, pyritized bleached zones. Sample 3443 from the Nona Claim and is a select sample of vein and pyritized, silicified wall rock from the dump of an adit.

NO PROPERTY
573 Isabella Lode Claim

OTHER NAME(S)

Charlton property; Nona Consolidated Quartz Claim; Mineral Survey No. 4210; Reno-Mizpah Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET			
Reno			

OWNERSHIP			
Saga Exploration (1988)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 27, T20N, R19E	4388460	265120	11

PRODUCTION
Small(?)

HISTORY
Located by Charlton Mining Company 10 Sep 1913, combined with the Nona Lode Claim forming the Nona Consolidated Quartz Claim. Claims surveyed in 1914 and patented in 1915.

DEVELOPMENT
One of two patented claims. Contained one shaft in 1913.

SAMPLE SITE(S)

REMARKS
See 572. This shaft may be part of the Reno Mizpah, though it is not referred to as such.

REFERENCES
Bonham and Bingler, 1973; Bonham and Papke, 1969; Hill, 1915; U.S. BLM Claim Survey Map, 1914

FIELD EXAMINER(S)
L.J. Garside and D. A. Davis, 5/22/1989

OCCURRENCE
Metallic

NO PROPERTY
573 Isabella Lode Claim

OTHER NAME(S)

Charlton property; Nona Consolidated Quartz Claim; Mineral Survey No. 4210; Reno-Mizpah Mine

GEOLOGY

This claim is part of the Nona consolidated quartz claim. See 572 for description.

NO PROPERTY
574 Granite Hills Mine

OTHER NAME(S)

Granite Mountain Mine; Nixon Mine; Washoe Copper Co. property; Copperfield Mining Co. property

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Cu, Au, Ag	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
Nixon-Nevada Mining Co. (1915-1920)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 34, T21N, R18E	4377500	271000	11
PRODUCTION			
1916-1919 400 t averaging 31% copper and \$12 gold and silver.			
HISTORY			
Nixon-Nevada Mining Company owned from 1915 to 1920. Went bankrupt and mine sold at auction. Mine shut down in 1919 due to high overhead charges and lack of large reserves. Nixon-Nevada Copper Corp. took over in 1924 but shut down after 1937.			
DEVELOPMENT			
1920: 340 ha., at least 3 shafts of which one was double compartment shaft, 100 hp diesel engine, generator, compressor, hoist, and 18 buildings including offices and dweings. 1999: dump, caved shaft, and foundations. Largest dumps at lower shaft.			
SAMPLE SITE(S)			
6085, 6086			
REMARKS			
UTMs from large dump. Also refered to as Granite Mountain Copper Mine			
REFERENCES			
Bonham and Papke, 1968; Neale, 1926; Overton, 1947; Rand and Sturgis, 1931; Soeller and Nielsen, 1980; Tingley and others, 1999; Weed, 1916, 1918, 1920, 1922, 1925; Zimmerman, 1937			
FIELD EXAMINER(S)			
J. V. Tingley, L.J. Garside, 1998; D. A. Davis, 5/31/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
574 **Granite Hills Mine**

OTHER NAME(S)

Granite Mountain Mine; Nixon Mine; Washoe Copper Co. property; Copperfield Mining Co. property

GEOLOGY

Quartz vein material noted on mine dumps contains black tourmaline and oxide copper minerals (Bonham and Papke, 1969). The veins that were explored by the workings are not well exposed; one vein has a northerly trend and steep dip. Structures visible in granodiorite at the caved portal at mid-slope are N0°E, 45°E; N15°W, 50°SW; and N60°W, 45°NE. No vein outcrops seen but blocks of vein material up to 0.5 m thick occur on adit dumps. Milky white bull quartz is intergrown or interlayered with black tourmaline, and tourmaline also occurs as breccia fillings. The wall rock is Mesozoic porphyritic granodiorite. Iron oxides, malachite, and minor manganese oxides occur as coatings on fracture surfaces. Samples of free gold, including wire gold, have been collected from vein quartz on the adit dumps (G. Ferdock, oral commun., 1998). 1916 shipments ranged between 10-40% copper, \$8.80-\$13.80 gold, and 6.96-26 oz per ton silver. Samples 6085 and 6086 are of quartz-tourmaline vein material; one fragment of sphalerite(?) was observed in sample 6086.

NO PROPERTY
575 Big Mouth Canyon
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag, Pt	Vein
QUAD SHEET			
Pah Rah Mtn.			
OWNERSHIP			
Nixon-Nevada Mining Co. (1915-1918)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 9, T22N, R23E	4390831	263518	11
PRODUCTION			
None			
HISTORY			
Owned by Nixon-Nevada Mining Company from 1915 to 1920 when they went bankrupt and were sold at auction. Mine shut down in 1919 due to high overhead charges and lack of large reserves.			
DEVELOPMENT			
1918: 20 ha., numerous open cuts, and about 100 m of tunnels.			
SAMPLE SITE(S)			
REMARKS			
Location approximate. UTM's taken 2 miles from railroad as noted in Mines Handbook, 1918, however, this may refer to the same location as 45.			
REFERENCES			
Bonham and Papke, 1969; Weed, 1916, 1918			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
575 **Big Mouth Canyon**
OTHER NAME(S)

GEOLOGY

Detailed geology unknown, but mine is apparently within Oligocene ash-flow tuffs. Weed (1916, 1918) reported that "veins are strong, of fair width, and carry shoots of exceptionally high grade ore."

NO PROPERTY
576 Frehner Basalt Quarry
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Construction aggregate	Igneous
QUAD SHEET			
Vista			
OWNERSHIP			
Kinder, Ltd. (2005)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 4, T19N, R21E	4416530	265210	11
PRODUCTION			
2002: 100,000-1,000,000 tons			
HISTORY			
Pit started between 1991 and 1999. Production initiated in 1998. 1998-2005: Frehner Construction operates pit.			
DEVELOPMENT			
Rock quarry, crushing and screening facilities, and hot plant.			
SAMPLE SITE(S)			
C98-264			
REMARKS			
UTMs from Tingley and others (1999).			
REFERENCES			
Bell and Bonham, 1987, Bryan and others, 2004; Nevada Air National Guard, 1991; Nevada State Inspector of Mines, 1998, 2000, 2001, 2002, 2003, 2004; Tingley and others, 1999; U.S. Geological Survey, 1999 (aerial photograph 11546-18), Washoe County Assesso			
FIELD EXAMINER(S)			
S.B. Castor, 11/19/1998			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
576 **Frehner Basalt Quarry**
OTHER NAME(S)

GEOLOGY

Tertiary gray mafic flow rock, probably andesite. Contains plagioclase and mafic mineral phenocrysts. The latter are altered to a honey-colored mineral, possibly iddingsite after olivine. Mapped as Alta Formation by Bell and Bonham (1987).

NO PROPERTY
577 Hidden Canyon Pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Construction aggregate	Igneous

QUAD SHEET			
Vista			

OWNERSHIP			
Jackling Aggregates LLC (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec. 9, T20N, R20E	4399929	256008	11

PRODUCTION			
2002: 100,000-1,000,000 tons			

HISTORY			
1998: Production began by Granite Construction Co. 1998-2005: Operated by Granite Construcvtion Co.			

DEVELOPMENT			
Open pit			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bryan and othersm, 2004; Davis, 2001, 2002, 2004; J. Elkins, personal communication, 1999; Nevada Division of Minerals, 2004; Nevada State Inpsector of Mines, 1998, 2000, 2001, 2003, 2004; Tingley and others, 1999; U.S. Geological Survey, 1999 (aerial pho			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
577 **Hidden Canyon Pit**
OTHER NAME(S)

GEOLOGY

Mesozoic granodiorite exposed at the surface is partially weathered and is mined for base material. Drilling encountered more competent rock at depth that may be suitable for high-quality products such as portland cement aggregate.

NO PROPERTY
578 Lockwood Quarry
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Construction aggregate	Igneous

QUAD SHEET			
Vista			

OWNERSHIP			
Granite Construction Co., Inc. (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 17, T19N, R21E	4396729	271498	11

PRODUCTION			
2002: 100,000-1,000,000 tons			

HISTORY			
Small pit started between 1959 and 1964, but present large pit started between 1985 and 1993. Production initiated in 1993.			

DEVELOPMENT			
Two quarries, crushing and screening facilities, and hot plant			

SAMPLE SITE(S)			
C98-262			

REMARKS			
UTMs from Tingley and others (1999).			

REFERENCES			
Bell and Bonham, 1987; Bryan and others, 2004; Christensen and Castor, 1994; Davis, 2004; Nevada Air National Guard, 1964 (aerial photograph 24); Nevada Department of Transportation, 1959a (aerial photograph 20-1), 1985a, (aerial photograph 6-7); Nevada D			

FIELD EXAMINER(S)			
S.B. Castor, 11/19/1998			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
578 Lockwood Quarry
OTHER NAME(S)

GEOLOGY

Rock mined is mainly gray Tertiary andesite mapped by Bell and Bonham (1987) as part of the Kate Peak Formation. Most is fresh, resistant rock, but some is shattered and limonitized.

NO PROPERTY
579 Lorinda No. 2 Lode Claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Ag, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NE			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 32, T21N, R20E	4392020	263500	11
PRODUCTION			
None			
HISTORY			
Pit is fairly old, probably 1950's.			
DEVELOPMENT			
Large cut in hillside, 30 m long by 5-10 m wide, 8-10 m deep.			
SAMPLE SITE(S)			
6095			
REMARKS			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
J. V. Tingley, 10/2/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
579 Lorinda No. 2 Lode Claim

OTHER NAME(S)

GEOLOGY

Cut exposes fault zone in silicated meta-andesite that strikes N45-50°E, 90°. Zone is about 5 m wide as exposed. Silicated lens is mostly quartz with chlorite, some epidote, lenses and clots of tourmaline; some CuOx crusts and staining.

NO PROPERTY
580 Double Jack Claim Nos. 19
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Dogskin Mountain	Washoe	U(?)	Aplite and pegmatite dikes
QUAD SHEET			
Fraser Flat			
OWNERSHIP			
Shields, James, Jr.; Taylor, Jack, Jr. (1985)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 9, T23N, R20E	4403300	274150	11
PRODUCTION			
None			
HISTORY			
Located by Shields and Taylor in Nov 1969 as part of 38 lode claims and 23 placer claims and kept current at least through 1985.			
DEVELOPMENT			
Bulldozer cut			
SAMPLE SITE(S)			
5861			
REMARKS			
REFERENCES			
Tingley and others, 1999; Washoe County Mining Claims, 1969; Claim maps, 1972			
FIELD EXAMINER(S)			
L.J. Garside; D. A. Davis, 06/23/1998.			
OCCURRENCE			
Metallic			

NO PROPERTY
580 Double Jack Claim Nos. 19

OTHER NAME(S)

GEOLOGY

Aplite and pegmatite veins and dikes cut foliated granitic rock. Dikes contain some tourmaline and copper oxide staining. Sample 5861 is of aplite material from outcrop and float.

NO PROPERTY
581 Unnamed prospect

OTHER NAME(S)

Section 4 propsect

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Au(?)	Polymetallic vein
QUAD SHEET			
Reno NE			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NE ¼ Sec. 4, T21N, R19E	4402620	273810	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Two bulldozer trenches, one along slope at top of slope, a second perpendicular downslope.			
SAMPLE SITE(S)			
6094			
REMARKS			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
J. V. Tingley, 10/1/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
581 Unnamed prospect

OTHER NAME(S)
Section 4 propsect

GEOLOGY

Trenches expose fine-grained, buff-colored aplite cutting granitic rock. Aplites are mostly vitreous quartz, with some white feldspar phenocrysts and sparse, red-brown hematite after pyrite cubes. About 50 m downslope from the intersection of the two trenches, a 3 m thick, sheeted, brecciated, and recemented quartz vein crops out. Vein attitude: N45°E, 22°NW. No obvious metallic mineralization.

NO PROPERTY
582 Zion No. 4 Lode Claim

OTHER NAME(S)

Locality 203g

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Au(?)		Polymetallic vein
QUAD SHEET					
Griffith Canyon					
OWNERSHIP					
G. Nichols (1981)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ Sec. 18, T21N, R21E		4400280	274440	11	
PRODUCTION					
None					
HISTORY					
Located as one of seven claims by G. Nichols in 1981					
DEVELOPMENT					
One small prospect pit					
SAMPLE SITE(S)					
4187					
REMARKS					
REFERENCES					
Tingley and others, 1999; Washoe County Mining Claim Platts, 1981					
FIELD EXAMINER(S)					
L.J. Garside, 6/6/1997					
OCCURRENCE					
Metallic					

NO PROPERTY
582 Zion No. 4 Lode Claim

OTHER NAME(S)

Locality 203g

GEOLOGY

A northwest(?) striking quartz and brown calcite vein is exposed in one wall of a small prospect pit. No gold or silver were detected in sample 4187, which was analyzed by the Nevada Bureau of Mines and Geology Analytical Laboratory. The sample was vein material.

NO PROPERTY
583 AKM No. 66 Lode Claim

OTHER NAME(S)
Galen No. 7(?); Locality GC141n

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Au(?)	Polymetallic vein

QUAD SHEET			
Reno NE			

OWNERSHIP			
T.M. McCord and R. Ketcham (1983)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 32, T21N, R20E	4400120	274630	11

PRODUCTION
None

HISTORY
Galen No. 7 located by R. and L. Halla in 1976 as 1 of 7 claims. AKM No. 66 located by T. McCord and R. Ketcham in 1983 as 1 of 24 claims.

DEVELOPMENT
Bulldozer trenches and road.

SAMPLE SITE(S)

REMARKS
Labeled as a mine on the topographic map. Workings may predate these claims.

REFERENCES
Tingley and others, 1999; Washoe County Mining Claims Platt, 1976, 1983

FIELD EXAMINER(S)
L.J. Garside, 4/18/1997

OCCURRENCE
Metallic

NO PROPERTY
583 AKM No. 66 Lode Claim

OTHER NAME(S)

Galen No. 7(?); Locality GC141n

GEOLOGY

Chrysocolla and limonite occur as sparse fracture coatings in Cretaceous biotite hornblende granodiorite. Mineralization appears to be associated with thin veinlets and irregular patches of milky quartz+actinolite±magnetite, epidote, and chlorite.

NO PROPERTY
584 Unnamed prospect

OTHER NAME(S)

Locality GC176g

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Au(?)	Polymetallic vein

QUAD SHEET
Fraser Flat

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 28, T22N, R21E	4400540	274900	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Two small prospect pits.

SAMPLE SITE(S)
4184

REMARKS

REFERENCES
Tingley and others, 1999

FIELD EXAMINER(S)
L.J. Garside, 5/9/1997

OCCURRENCE
Metallic

NO PROPERTY
584 Unnamed prospect

OTHER NAME(S)

Locality GC176g

GEOLOGY

Prospect pits explore an approximately 50 m long, easterly striking quartz vein which cuts Cretaceous biotite, hornblende granodiorite. The vein is apparently cut off at its east end by a north-northeast striking, moderately east dipping fault which places Oligocene ignimbrite against the granodiorite. The vein width varies from a few to 10 m, and consists of iron-stained, brecciated, clear to milky quartz with local small patches of limonite boxworks. Au = 0.32 opt, Ag not detected; analysis by NBMG Analytical Lab. Sample 4184 is a grab sample of iron-stained, brecciated vein quartz.

NO PROPERTY
585 Unnamed prospect

OTHER NAME(S)

Locality GC179n

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Mn		Epithermal manganese
QUAD SHEET					
Griffith Canyon					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
W½ Sec. 29, T22N, R21E		4397840	273290	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
One small prospect pit.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 5/14/1997					
OCCURRENCE					
Metallic					

NO PROPERTY
585 Unnamed prospect

OTHER NAME(S)

Locality GC179n

GEOLOGY

A vein of dark, manganese-oxide-bearing calcite is exposed in a small pit. The vein is about 0.5 m wide, a few meters long, and cuts Oligocene welded tuff.

NO PROPERTY
586 Unnamed prospect pit
OTHER NAME(S)
Locality GC182g

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Au(?)		Polymetallic vein

QUAD SHEET

Griffith Canyon

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 33, T22N, R21E	4398340	273330	11

PRODUCTION

None

HISTORY

DEVELOPMENT

One small prospect pit.

SAMPLE SITE(S)

4185, 4193

REMARKS

REFERENCES

Tingley and others, 1999

FIELD EXAMINER(S)

L.J. Garside, 5/15/1997

OCCURRENCE

Metallic

NO PROPERTY
586 Unnamed prospect pit

OTHER NAME(S)

Locality GC182g

GEOLOGY

A bull vein quartz is spatially associated with a pink aplite dike. Quartz is very sparsely iron stained. No gold or silver were detected by the NBMG Analytical Lab. Samples 4185 and 4193 are of bull quartz.

NO PROPERTY
587 Unnamed prospect pit
OTHER NAME(S)
Locality GC183n

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Cu		Polymetallic vein
QUAD SHEET					
Griffith Canyon					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
N½ Sec. 4, T21N, R21E		4397710	272580	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Two shallow prospect pits.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 5/15/1997					
OCCURRENCE					
Metallic					

NO PROPERTY
587 Unnamed prospect pit

OTHER NAME(S)

Locality GC183n

GEOLOGY

Malachite and iron-oxide minerals occur as fracture coatings along a N70E high-angle fault zone in Cretaceous biotite, hornblende granodiorite. The zone is about 0.5 m wide where exposed, and contains sparse vein quartz.

NO PROPERTY
588 Unnamed adit
OTHER NAME(S)
Locality GC187n

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Cu	Polymetallic vein

QUAD SHEET
Griffith Canyon

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec. 33, T22N, R21E	4397700	270900	11

PRODUCTION
None

HISTORY

DEVELOPMENT
A short (probably a few tens of meters) adit, another short adit(?), and bulldozer cuts.

SAMPLE SITE(S)

REMARKS
UTMs from prospect symbol on topographic map.

REFERENCES
Tingley and others, 1999

FIELD EXAMINER(S)
L.J. Garside, 5/21/1997

OCCURRENCE
Metallic

NO PROPERTY
588 Unnamed adit

OTHER NAME(S)

Locality GC187n

GEOLOGY

Malachite occurs sparsely along fractures in a biotite spotted schist, which appears to be a schlieren(?) in Cretaceous biotite, hornblende granodiorite.

NO PROPERTY
589 Unnamed prospect pit

OTHER NAME(S)

Locality GC197n

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Cu	Polymetallic vein
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 8, T21N, R21E	4397340	270920	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
One prospect pit.			
SAMPLE SITE(S)			
REMARKS			
UTMs from prospect symbol on topographic map.			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 6/2/1997			
OCCURRENCE			
Metallic			

NO PROPERTY
589 Unnamed prospect pit

OTHER NAME(S)
Locality GC197n

GEOLOGY

Bull quartz vein material with malachite is observed in dump material, but can not be seen in outcrop. Wallrock is Cretaceous granodiorite.

NO PROPERTY
590 Unnamed prospect pit
OTHER NAME(S)
Locality GC198n

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE	
McClellan		Washoe	U(?)			
QUAD SHEET						
Griffith Canyon						
OWNERSHIP						
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE		
NE¼ Sec. 8, T21N, R21E		4414790	276530	11		
PRODUCTION						
None						
HISTORY						
DEVELOPMENT						
Bulldozer cut.						
SAMPLE SITE(S)						
REMARKS						
REFERENCES						
Tingley and others, 1999						
FIELD EXAMINER(S)						
L.J. Garside, 6/3/1997						
OCCURRENCE						
Metallic						

NO PROPERTY
590 Unnamed prospect pit

OTHER NAME(S)

Locality GC198n

GEOLOGY

Bulldozer cut here and prospect pits about 22 m east (shown on topographic map) were probably in search of uranium, although no anomalous radioactivity was noted in the Oligocene ash-flow tuff at the site. An unidentified greenish mineral occurs along fractures; it may have been mistaken for a secondary uranium mineral.

NO PROPERTY
591 Unnamed prospect pits
OTHER NAME(S)
Locality GC198n

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Cu	Polymetallic vein

QUAD SHEET
Griffith Canyon

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 8, T21N, R21E	4392737	247904	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Several prospect pits and bulldozer cuts on and around a small hill.

SAMPLE SITE(S)

REMARKS

REFERENCES
Tingley and others, 1999

FIELD EXAMINER(S)
L.J. Garside, 6/3/1997

OCCURRENCE
Metallic

NO PROPERTY
591 Unnamed prospect pits

OTHER NAME(S)

Locality GC198n

GEOLOGY

Locally, malachite and chrysocolla are found along fractures in Cretaceous granodiorite. Iron oxide minerals occur, and remnant pyrite was observed. Thin, sparse quartz veins were noted in samples on one dump.

NO PROPERTY
592 Unnamed prospect pits
OTHER NAME(S)
Locality GC201n

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Cu(?)		Cu-Au quartz-tourmaline vein
QUAD SHEET					
Griffith Canyon					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ Sec. 7, T21N, R21E		4393520	291280	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
None					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 6/6/1997					
OCCURRENCE					
Metallic					

NO PROPERTY
592 Unnamed prospect pits

OTHER NAME(S)

Locality GC201n

GEOLOGY

Mesozoic meta-andesite is cut by quartz-tourmaline veins and black tourmaline-cemented breccias in an area over 100 m diameter. The metavolcanics are sericitized, occur as a pendant in Cretaceous granite and granodiorite, and are cut by aplite dikes. Elsewhere in the Reno area, schorlite mineralization is associated with copper.

NO PROPERTY
593 Value No. 8 Lode Claim

OTHER NAME(S)

Locality GC204n

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Sb(?)	Vein

QUAD SHEET
Griffith Canyon

OWNERSHIP
L. Hepfler (1972)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 7, T21N, R21E	4393900	291480	11

PRODUCTION
None

HISTORY
Located in or before 1972 as one of 15 claims by L. Hepfler.

DEVELOPMENT
Three or four shallow prospect pits.

SAMPLE SITE(S)
4188

REMARKS

REFERENCES
Tingley and others, 1999; Washoe County Mining Claim Platts, 1972

FIELD EXAMINER(S)
L.J. Garside, 6/6/1997

OCCURRENCE
Metallic

NO PROPERTY
593 Value No. 8 Lode Claim

OTHER NAME(S)
Locality GC204n

GEOLOGY

Prospect pits explore iron-stained drusy quartz veins in Cretaceous granite. Veins are sporadic, about 2 cm wide, and locally contain an unidentified yellow mineral. Gold not detected, silver = 0.09 opt by assay by NBMG Analytical Lab. Sample 4188 is of vein quartz.

NO PROPERTY
594 Juniper Claim

OTHER NAME(S)

Juniper Mine; Sherman Claim; Sherman Mine; Mineral Survey No. 38

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au, Ag	Unknown
QUAD SHEET			
Moses Rock			
OWNERSHIP			
Sherman Gold and Silver Mining Co. (1880)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 15, T23N, R21E	4392390	290850	11
PRODUCTION			
Small(?)			
HISTORY			
Located 13 Dec 1876 by Robert Doane and Force Gregory. By 1880, owned by Sherman Gold and Silver Mining Company when it was surveyed.			
DEVELOPMENT			
Patented mining claim. In 1880 had one shaft.			
SAMPLE SITE(S)			
REMARKS			
UTMs from 1880 shaft.			
REFERENCES			
Bonham and Papke, 1969; USBLM Mineral Survey Platt, 1880; Washoe County Assessor's Map, 1975; Washoe County Mining Claims, 1876			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
594 Juniper Claim

OTHER NAME(S)

Juniper Mine; Sherman Claim; Sherman Mine; Mineral Survey No. 38

GEOLOGY

Detailed geology uncertain, but claim is in the tuff of Perry Canyon, along the the Burris vein system (Garside and others, 2003).

NO PROPERTY
595 Unnamed prospect pits

OTHER NAME(S)

Treasury lode(?)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?), Cu(?)	Cu-Au quartz-tourmaline vein

QUAD SHEET
Reno NW

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NW¼ Sec. 35, T21N, R18E	4393200	292850	11

PRODUCTION

HISTORY

DEVELOPMENT
Pit, 10 m in diameter, about 5 m deep, which may have been a shallow shaft now caved. A second smaller pit to the southwest.

SAMPLE SITE(S)
6083

REMARKS
Tingley and others (1999) refer to this as the Treasury Lode of Hatch (1867). Hatch (1867) places the Treasury Lode (see 367) about 800 m southwest of these pits, though the accuracy of Hatch's 1867 map may be questionable.

REFERENCES
Hatch, 1867; Soeller and Nielsen, 1980; Tingley and others, 1999

FIELD EXAMINER(S)
J. V. Tingley, 1998

OCCURRENCE
Metallic

NO PROPERTY
595 Unnamed prospect pits

OTHER NAME(S)

Treasury lode(?)

GEOLOGY

The pits are in Mesozoic medium- to coarse-grained, massive, dark gray biotite and hornblende granodiorite (Soeller and Nielsen, 1980). The granitic rock exposed in the pit is sheared along a northwest zone, which dips 40°E; there is also a N40°W, 90° fracture set exposed. Quartz-tourmaline vein lenses, 3 to 6 cm thick, follow north-south structures; vein material displays CuOx and MnOx staining. Fracturing and CuOx staining increase in the west corner of the pit; where a sheared, CuOx-tourmaline zone is about 1.5 m thick. Sample 6083 is of quartz-tourmaline vein material with crusts and fracture coatings of chrysocolla and some malachite.

NO PROPERTY
596 Section 19 adit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Low-sulfidation epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ SE ¼ Sec. 19, T21N, R23E		4392450	295960	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Caved sdit with moderate sized dump and old building on site. Other short adits up canyon.					
SAMPLE SITE(S)					
4540					
REMARKS					
REFERENCES					
Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 7/17/1991					
OCCURRENCE					
Metallic					

NO PROPERTY
596 Section 19 adit

OTHER NAME(S)

GEOLOGY

The adit apparently explores quartz vein or stockwork mineralization in dacitic dike rock, possibly near the contact with basalt of the Pyramid sequence. Nothing can be determined about the trend of mineralization. White and clear, drusy quartz veinlets occur in the dike rock and contain sparse limonite after pyrite. Workings nearby up the canyon to the north are in areas of bleached basalt. No vein mineralization was noted on these dumps. Sample 4540 is select vein quartz from dump of caved adit.

NO PROPERTY
597 Section 20 inclined shaft
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Low-sulfidation epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ NW¼ Sec. 20, T21N, R23E		4392583	247270	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Inclined shaft, nearby minor pits and adits into mineralized zone.					
SAMPLE SITE(S)					
4539					
REMARKS					
REFERENCES					
Geeson, 1980; Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 7/17/1991					
OCCURRENCE					
Metallic					

NO PROPERTY
597 Section 20 inclined shaft
OTHER NAME(S)

GEOLOGY

A stockwork of white calcite vein material occurs in an apparently 50-cm-wide zone of brecciated basalt of the Pyramid sequence. The zone is present between a felsic dike and chloritized vesicular basalt, and has an attitude of N65°E, 65°NW. Sparse iron oxide minerals occur in the calcite. Sample 4539 is select vein calcite from dump of inclined shaft.

NO PROPERTY
598 Section 30 adit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Low-sulfidation epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec. 30, T21N, R23E		4386863	256840	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Completely caved adit with dump and other small prospect pits in area.					
SAMPLE SITE(S)					
4537					
REMARKS					
REFERENCES					
Geeson, 1980; Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 6/26/1991					
OCCURRENCE					
Metallic					

NO PROPERTY
598 Section 30 adit

OTHER NAME(S)

GEOLOGY

Based on an examination of dump material, the caved adit apparently encountered sparse quartz veining and silicification in predominantly propylitized basalt of the Pyramid sequence. Dikes of dacite cut the wallrocks nearby. Sample 4537 is select silicified and argillized basalt and sparse vein quartz from dump of adit.

NO PROPERTY
599 Sunbeam and Caroline Claims
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ NE¼ Sec. 29, T21N, R23E	4416050	275630	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
Bulldozer cuts, inclined shaft, and adit with rail.			
SAMPLE SITE(S)			
4538			
REMARKS			
REFERENCES			
Geeson, 1980; Tingley and others, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 7/16/1991			
OCCURRENCE			
Metallic			

NO PROPERTY
599 Sunbeam and Caroline Claims

OTHER NAME(S)

GEOLOGY

Quartz veining is apparently associated with a complex system of dacitic dikes which cut Tertiary Pyramid sequence basalts. Dikes trend northeast; a speculative trend of mineralization structures is N35°E. Dikes and basalt are propylitically altered. Sparse clear and milky quartz vein material was observed on the dump of the inclined shaft. A slightly altered dike nearby was dated at 10.39 ± 0.08 Ma, which is just slightly younger than the age of adularia from nearby Green Hill (10.46 ± 0.03 Ma; Garside and others, 2000). Sample 4538 is select vein quartz from dump.

NO PROPERTY
600 Unnamed pit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au		Placer
QUAD SHEET					
Olinghouse					
OWNERSHIP					
Bill Murdock					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ NE ¼ Sec. 27, T21N, R23E		4416350	275450	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Old shallow placer shaft and new pit dug by bulldozer 10 m deep, 10 m wide, and about 30 m long.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 1990					
OCCURRENCE					
Metallic					

NO PROPERTY
600 Unnamed pit
OTHER NAME(S)

GEOLOGY

This area is reportedly one that the Southern Pacific Company indentified as having alluvial placer gold. An old placer shaft attests to earlier work as well. A new pit is being dug by Bill Murdock. See the description of the Butcher Boy Mine (no. 43).

NO PROPERTY
601 Unnamed adit

OTHER NAME(S)
Buena Vista lode(?)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au, Cu	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 34, T21N, R18E	4416900	277920	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
Open and unfenced adit trending N40E.			
SAMPLE SITE(S)			
6084			
REMARKS			
Tingley and others (1999) refer to this as the Buena Vista Lode of Hatch (1867). Hatch (1867) places the Buena Vista Lode (see 365) about 1 km southwest of this adit, though the accuracy of Hatch's 1867 map may be questionable.			
REFERENCES			
Hatch, 1867; Soeller and Nielsen, 1980; Tingley and others, 1999			
FIELD EXAMINER(S)			
J. V. Tingley, 1998			
OCCURRENCE			
Metallic			

NO PROPERTY
601 Unnamed adit

OTHER NAME(S)
Buena Vista lode(?)

GEOLOGY

Adit follows N40°E, 50°SE shear zone in kaolinized granite. Veinlets of black tourmaline, 0.5 to 1 cm thick occupy center of shear zone; there is some MnOx staining. The altered shear zone, as exposed in the adit was estimated to be 4 m wide. The adit contains large quartz-tourmaline vein pieces (up to 0.3 m thick), mostly massive, containing black tourmaline in a white quartz matrix. Sample 6084 consists of massive black tourmaline in vitreous white quartz matrix with crusts and coatings of green and blue-green oxide copper minerals. Some chrysocolla; cinnamon-brown, glassy gossan (?) up to 1 cm thick. Bluish-white opaline silica veining in the glassy iron oxide gossan material.

NO PROPERTY
602 O'Connor Lode

OTHER NAME(S)

O'Connor discovery; Washoe United Consolidated Gold and Silver Mining Co. property

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Ag, Au	Cu-Au quartz-tourmaline vein
QUAD SHEET			
Reno NW			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SE¼ Sec. 15, T20N, R19E	4406554	248547	11
PRODUCTION			
None			
HISTORY			
Located 24 Aug 1861 by W. S. O'Connor and sold in 1864 to Washoe United Consolidated Gold and Silver Mining Co. Washoe United went bankrupt and reorganized in 1868 as Nevada Land and Mining Co., which in turn went bankrupt and was sold in 1877.			
DEVELOPMENT			
No mine workings now exist. Sample site near modern warehouses.			
SAMPLE SITE(S)			
4195			
REMARKS			
Exact location of O'Conner Lode is uncertain, though discriptions suggest this is the area.			
REFERENCES			
Soeller and Nielsen, 1980; Tingley and others, 1999; Washoe County Mining Claim and other Records, 1861, 1864, 1868, 1877			
FIELD EXAMINER(S)			
D. A. Davis, 3/22/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
602 O'Connor Lode

OTHER NAME(S)

O'Connor discovery; Washoe United Consolidated Gold and Silver Mining Co. property

GEOLOGY

Country rock is largely Mesozoic granodiorite. Sample 4195 is from a dike trending east-northeast and dipping steeply north. Sample 4195 is a grab sample from outcrop of porphyritic dike cutting granodiorite, iron-oxide-staining, silicification, and quartz vein material. Sample collected near Shakspeare Ledge of Hatch (1867).

NO PROPERTY
603 Blasdell claim
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Ag, Au		High-sulfidation epithermal
QUAD SHEET					
Moses Rock					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ NE¼ Sec. 16, T23N, R21E		4384925	263179	11	
PRODUCTION					
Unknown					
HISTORY					
Located 30 Mar 1876 by T. H. and Julia Blasdell					
DEVELOPMENT					
Short inclined shaft.					
SAMPLE SITE(S)					
6159, 6160					
REMARKS					
UTMs from shaft on claim.					
REFERENCES					
Tingley and others, 1999					
FIELD EXAMINER(S)					
S.B. Castor, 9/4/1998					
OCCURRENCE					
Metallic					

NO PROPERTY
603 Blasdel claim

OTHER NAME(S)

GEOLOGY

N20-30°W striking mineralized structure in Miocene tuff of Perry Canyon. Mineralization is silica-limonite with local sulfide and copper carbonate minerals. The property is on the northeast extension of the Burrus vein system. Samples (6159, 6160) are from dump.

NO PROPERTY
604 Unnamed shaft
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Ag, Au		High-sulfidation epithermal
QUAD SHEET					
Fraser Flat					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ SE¼ Sec. 9, T23N, R21E		4383116	263258	11	
PRODUCTION					
Unknown					
HISTORY					
DEVELOPMENT					
Short inclined shaft.					
SAMPLE SITE(S)					
6158					
REMARKS					
REFERENCES					
Tingley and others, 1999					
FIELD EXAMINER(S)					
S.B. Castor, 9/4/1998					
OCCURRENCE					
Metallic					

NO PROPERTY
604 **Unnamed shaft**

OTHER NAME(S)

GEOLOGY

A N10°W, 75°W fracture zone with hematized and limonitized silicified breccia and minor pyrite was explored by the shaft. The wall rock is Miocene tuff of Perry Canyon. This is the northernmost extension of the Burrus vein system. Sample 6158 is from dump.

NO PROPERTY
605 Broken Arrow No. 3 Lode Claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Ag, Au	High-sulfidation epithermal
QUAD SHEET			
Sutcliffe			
OWNERSHIP			
JTK Mining (1981)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ Sec. 11, T23N, R21E	4384982	259683	11
PRODUCTION			
None			
HISTORY			
Located in 1972 and re-located in 1980 as one of three claims by D. and L. Liston. Re-located by JTK Mining in 1981			
DEVELOPMENT			
Trench about 100 m long.			
SAMPLE SITE(S)			
6192, 6193			
REMARKS			
REFERENCES			
Tingley and others, 1999; Washoe County Mining Claims Platt, 1981			
FIELD EXAMINER(S)			
S.B. Castor, 10/12/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
605 Broken Arrow No. 3 Lode Claim

OTHER NAME(S)

GEOLOGY

A N60°W zone of bleaching and limonitization about 3-5 m wide is found in tuff of Perry Canyon. The zone lies along a N60°W, 75°SW shear zone with slickensides that plunge 5° N60°W. Gray, partly limonitized quartz+pyrite vein material is found in places along this trend. Sample 6192 is oxidized rock near shear zone; 6193 is limonitized quartz vein material.

NO PROPERTY
606 Summit Spring Copper Prospects
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Cu, Au(?)	Polymetallic vein
QUAD SHEET			
Granite Peak			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 14, T22N, R18E	4384768	259995	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Four small bulldozer cuts, three within a 350 m length and the fourth about 55 m to the southeast along the base of s northwest-trending ridge.			
SAMPLE SITE(S)			
6078, 6079			
REMARKS			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
J. V. Tingley, 9/28/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
606 Summit Spring Copper Prospects
OTHER NAME(S)

GEOLOGY

Cuts expose a N30°W shear zone in coarse-grained biotite granodiorite. A quartz vein up to 0.3 m wide occurs as lenticular masses along the structure. No vein can be seen in place; vein quartz contains clots of copper pitch with some chalcopyrite in the center of the clots. Quartz is stained greenish-blue from copper oxide minerals. Vein material is brecciated and recemented with quartz. Bedrock exposures are in northwest and southeast trenches, no exposures in middle two trenches. Thickest vein fragments are about 25 cm. Sample 6078 is vein quartz, vitreous, clear to white, stained greenish-blue; also copper pitch with chalcopyrite in centers of oxidized clots. Sample 6079 is white and clear, vitreous vein quartz with sparse oxide copper staining, sparse copper pitch; vein brecciated and recemented with cloudy quartz.

NO PROPERTY
607 Unnamed shaft

OTHER NAME(S)

Section 20 shaft

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au	High-sulfidation epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SE¼ Sec. 20, T20N, R20E	4383550	263620	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Small caved shaft or prospect pit. Shaft is now filled with trash.			
SAMPLE SITE(S)			
6102			
REMARKS			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
J. V. Tingley, 10/6/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
607 Unnamed shaft

OTHER NAME(S)
Section 20 shaft

GEOLOGY

Shaft sunk on west side of silicified ledge outcrop, in soft, argillized andesite. Rock exposed in the east wall of the pit is argillized andesite. Fractured surfaces are flooded with FeOx. Alunized ledge east of the shaft has N65°E and N45°E vertical fractures; it is mainly iron-oxide stained, white alunite(?) and quartz-flooded rock. Sample 6102 is of silicified ledge material, with heavy hematite-limonite gossan.

NO PROPERTY
608 Unnamed shaft
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au	High-sulfidation epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ NE¼ Sec. 29, T20N, R20E	4413920	276230	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Shallow shaft, 2 m deep, and adit, 15 n long. Area has been bulldozed leaving no trace of old workings except for scattered dump material.			
SAMPLE SITE(S)			
6105			
REMARKS			
REFERENCES			
Tingley and others, 1999			
FIELD EXAMINER(S)			
J. V. Tingley, 10/6/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
608 **Unnamed shaft**

OTHER NAME(S)

GEOLOGY

Silicified ledge in kaolinized andesite; fracture set in ledge is N55°W, 75°SW. Microbreccia material present; quartz cemented by dark quartz, with thick gossan coatings on rock. Sample 6105 is from bulldozed area at old mine site; the sample is of selected silica-flooded breccia with limonite-filled voids; includes some thick gossan-coated fragments.

NO PROPERTY
609 Gold Bond Mine, upper adit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au	High-sulfidation epithermal

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SW¼ Sec. 24, T20N, R19E	4414120	276080	11

PRODUCTION			
None			

HISTORY			
Unknown, probably part of Gold Bond Company property			

DEVELOPMENT			
Short adit, about 10 m long, and cut on slope above adit. The adit has been fenced and wire is still up, but has been pushed aside to allow access.			

SAMPLE SITE(S)			
6113			

REMARKS			

REFERENCES			
Tingley and others, 1999			

FIELD EXAMINER(S)			
J. V. Tingley, 10/12/1998			

OCCURRENCE			
Metallic			

NO PROPERTY
609 Gold Bond Mine, upper adit
OTHER NAME(S)

GEOLOGY

Adit and cut were driven on a N0E, 75°W shear zone in a silicified ledge. Rock is FeOx-stained on fracture surfaces, and has limonite points (some "seal brown)". Rock is mostly oxidized, but some pyrite is present. Other structures present are: N80°W, 30°NE; N55°E, 30°NW (both in upper cut); and N80°W, 50°NE exposed at the adit portal. The overall trend of the silicified ledge appears to be northwest, with a low-angle dip. Rock on flanks of ledge is kaolinized. The wall rock is Tertiary hypabyssal granitic rock. Sample 6113 is of silicified ledge material, including rock that is FeOx-stained on fracture surfaces, contains limonite points in silicified rock, and is mostly oxidized but contains some disseminated pyrite .

NO PROPERTY
614 La Marche claim

OTHER NAME(S)
Lafayette claim; Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal

QUAD SHEET			
Moses Rock			

OWNERSHIP			
J. Miraman and Gabriel Lafaye (1914)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SW¼ Sec., 22, T23N, R21E	4413800	276420	11

PRODUCTION

HISTORY
Located 7 Dec 1891 as Lafayette and relocated 21 Nov 1902 as La Marche by Gabriel Lafaye. Became part of Adaline Mines claims, 1910, owned by J. Miraman and Gabriel Lafaye. Kept current through 1914.

DEVELOPMENT
Contains two inclined shafts. Incline No. 3 is about 30 m long and trends southwestward. One of 15 claims making up the "Adeline Mines".

SAMPLE SITE(S)

REMARKS
UTMs from site of La Marche incline no. 3. The La Marche Incline (just outside of the claim) or the La Marche No. 2 incline may be the same as that in 397.

REFERENCES
Bonham and Papke, 1969; Boyle, undated a, undated b, undated c; Washoe County Mining Claims Records, 1891, 1902, 1910, 1914

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
614 La Marche claim

OTHER NAME(S)

Lafayette claim; Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff. La Marche inclines lie within a 15 m wide "zone of alteration" trending east-southeast.

NO PROPERTY
615 Providence claim

OTHER NAME(S)

Providence shaft; Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
J. Miraman and Gabriel Lafaye (1914)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW¼ Sec., 22, T23N, R21E	4414060	276310	11
PRODUCTION			
HISTORY			
Located 1 Jan 1905 by Frank Blondin and became part of Adaline Mines claims, 1910, owned by J. Miraman and Gabriel Lafaye. Kept current through 1914.			
DEVELOPMENT			
Contains two shafts and an open stope along a zone of alteration. One of 15 claims making up the "Adeline Mines".			
SAMPLE SITE(S)			
REMARKS			
UTMs from 319 map site of Providence shaft.			
REFERENCES			
Bonham and Papke, 1969; Boyle, undated a, undated b; Washoe County Mining Claims Records, 1905, 1910, 1914			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
615 Providence claim

OTHER NAME(S)

Providence shaft; Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff. Shafts and stope are located in a 15 m wide "zone of alteration trending southeast.

NO PROPERTY
616 Mountain Belle claim
OTHER NAME(S)
Mountain Belle adit; Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal

QUAD SHEET			
Moses Rock			

OWNERSHIP			
J. Miraman and Gabriel Lafaye (1914)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW¼ Sec., 22, T23N, R21E	4413930	276490	11

PRODUCTION

HISTORY
Located 1 Jan 1905 by Frank Blondin and became part of Adaline Mines claims, 1910, owned by J. Miraman and Gabriel Lafaye. Kept current through 1914.

DEVELOPMENT
Contains an adit with a 35 m tunnel trending southeast along a zone of alteration. One of 15 claims making up the "Adeline Mines".

SAMPLE SITE(S)

REMARKS
UTMs from site of Mountain Belle adit.

REFERENCES
Bonham and Papke, 1969; Boyle, undated a, undated b; Washoe County Mining Claims Records, 1905, 1910, 1914

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
616 Mountain Belle claim

OTHER NAME(S)
Mountain Belle adit; Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff. Mountain Belle adit is within a 15 m wide "zone of alteration trending southeast in the western quarter of the claim.

NO PROPERTY
617 Gracie claim

OTHER NAME(S)

Gracie shaft; Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
J. Miraman and Gabriel Lafaye (1914)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NE ¼ Sec., 21, T23N, R21E	4414020	275700	11
PRODUCTION			
HISTORY			
Located 20 Jul 1905 by Frank Blondin and became part of Adeline Mines claims, 1910, owned by J. Miraman and Gabriel Lafaye. Kept current through 1914.			
DEVELOPMENT			
Contains a shaft and three cuts a southeast-trending zone of alteration. Adit on topogarpic map is about 365 m northwest of Gracie shaft and is on the Gracie claim but is not on Boyle (undated b). One of 15 claims making up the "Adeline Mines".			
SAMPLE SITE(S)			
REMARKS			
UTMs from site of Gracie shaft.			
REFERENCES			
Bonham and Papke, 1969; Boyle, undated a, undated b; Washoe County Mining Claims Records, 1905, 1910, 1914			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
617 Gracie claim

OTHER NAME(S)

Gracie shaft; Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff. Shaft and three cuts are in a 21 m wide "zone of alteration."

NO PROPERTY
618 Silver Pick claim
OTHER NAME(S)
Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal

QUAD SHEET
Moses Rock

OWNERSHIP
J. Miraman and Gabriel Lafaye (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NE ¼ Sec., 21, T23N, R21E	4413920	275480	11

PRODUCTION

HISTORY
Located 6 Jan 1905 by Frank Blondin and became part of Adaline Mines claims, 1910, owned by J. Miraman and Gabriel Lafaye. Kept current through 1914.

DEVELOPMENT
Topographic map shows three prospect symbols within the Silver Pick, although Boyle (undated b) shows nothing. One of 15 claims making up the "Adeline Mines".

SAMPLE SITE(S)

REMARKS
UTMs from one of the propsects.

REFERENCES
Bonham and Papke, 1969; Boyle, undated a; Washoe County Mining Claims Records, 1905, 1910, 1914

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
618 Silver Pick claim

OTHER NAME(S)
Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
619 Roosevelt claim

OTHER NAME(S)

Roosevelt adit; Adeline Mines; Adeline Group; Twilight Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal

QUAD SHEET

Moses Rock

OWNERSHIP

J. Miraman and Gabriel Lafaye (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SW¼ Sec., 22, T23N, R21E	4413600	276520	11

PRODUCTION

None

HISTORY

Relocation of Twilight Mine, 9 Nov 1904 by Frank Blondin. Became part of Adaline Mines claims, 1910, owned by J. Miraman and Gabriel Lafaye. Kept current through 1914.

DEVELOPMENT

Contains a eight cuts and an adit with 12 m southeast-trending tunnnle in a zone of alteration. One of 15 claims making up the "Adeline Mines".

SAMPLE SITE(S)

REMARKS

UTMs from site of Roosevelt adit.

REFERENCES

Bonham and Papke, 1969; Boyle, undated a, undated b; Washoe County Mining Claims Records, 1904, 1910, 1914

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
619 Roosevelt claim

OTHER NAME(S)

Roosevelt adit; Adeline Mines; Adeline Group; Twilight Mine

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff. Adit and cuts are in a 12 m wide "zone of alteration" trending southeast.

NO PROPERTY
620 French Gulch claim

OTHER NAME(S)
French Gulch adit; Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
J. Miraman and Gabriel Lafaye (1914)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ Sec., 22, T23N, R21E	4413830	275990	11
PRODUCTION			
HISTORY			
Located 2 Jun 1905 by Frank Blondin and became part of Adaline Mines claims, 1910, owned by J. Miraman and Gabriel Lafaye. Kept current through 1914.			
DEVELOPMENT			
Contains a two adits. The French Gulch adit trends 21 m northwest and the adjacent French Gulch Crosscut Adit trends 35 m southwest. One of 15 claims making up the "Adeline Mines".			
SAMPLE SITE(S)			
REMARKS			
UTMs from site of French Gulch adit.			
REFERENCES			
Bonham and Papke, 1969; Boyle, undated a, undated b, undated c; Washoe County Mining Claims Records, 1905, 1910, 1914			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
620 French Gulch claim

OTHER NAME(S)
French Gulch adit; Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff. Adits are in a 23 m wide "zone of alteration" trending east-southeast through the northern half of the claim.

NO PROPERTY
621 Renee claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ Sec., 22, T23N, R21E	4413630	275840	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
Topographic map shows two prospect symbols within the Renee though Boyle (undated b) shows nothing. Not part of the "Adeline Mines" claim group.			
SAMPLE SITE(S)			
REMARKS			
UTMs from one of the propsects.			
REFERENCES			
Bonham and Papke, 1969; Boyle, undated a; Washoe County Mining Claims Records, 1891			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
621 Renee claim
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
622 Roosevelt claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
Leavitt J. Hunt (1902)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ NW¼ Sec., 22, T23N, R21E	4414520	276420	11
PRODUCTION			
HISTORY			
Located 26 Apr 1902 by Leavitt J. Hunt			
DEVELOPMENT			
Topographic map shows one prospect symbols within the Roosevelt claim fraction.			
SAMPLE SITE(S)			
REMARKS			
UTMs from prosects.			
REFERENCES			
Bonham and Papke, 1969; Washoe County Mining Claims Records, 1902			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
622 Roosevelt claim
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
623 Monarch Mine

OTHER NAME(S)

Monarch Claim; Monarch Tunnel; Alt and Hymers Claim; Armstrong Ledge; Nevada-California Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
Frank Blondin and Gabriel Lafaye (1905)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec., 15, T23N, R21E	4415420	276290	11
PRODUCTION			
Some			
HISTORY			
Monarch located 3 Mar 1876 by Dr. Simeon Bishop. Tunnel driven 90 m in 1876 and 108 m by 1878. Relocated as Alt and Hymers on 1 Jan 1899 by George Alt and T. K. Hymers. Relocated 6 Sep 1905 as Nevada-California Mine by F. Blondin and G. Lafaye.			
DEVELOPMENT			
Two-stamp mill and 108 m tunnel reported in 1878. In 1905, 100 m tunnel and 30 m shaft noted. Today a short adit is noted in general area, but it appears to be later.			
SAMPLE SITE(S)			
REMARKS			
Location uncertain and UTM's taken from mining claim descriptions.			
REFERENCES			
Bonham and Papke, 1969; Whitehill, 1877, 1879; Washoe County Mining Claims Records, 1876, 1899, 1905			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
623 Monarch Mine

OTHER NAME(S)

Monarch Claim; Monarch Tunnel; Alt and Hymers Claim; Armstrong Ledge; Nevada-California Mine

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
624 Yellow Pit Mine Nos. 1 and 2 Lode
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Freds Mountain	Washoe	Au, Ag	Polymetallic vein
QUAD SHEET			
Reno NE			
OWNERSHIP			
Landsat Minerals (1984)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec., 10, T21N, R19E	4398629	257583	11
PRODUCTION			
HISTORY			
Two claims located by Landsat Minerals in 1984.			
DEVELOPMENT			
Three adits, small pits, DOM filed forms describe up to 60 m of underground workings in southern adit and up to 50 m of workings in upper adit. Adits have been backfilled (1992) and underground workings are now inaccessible.			
SAMPLE SITE(S)			
6090			
REMARKS			
REFERENCES			
Cordy, 1985; Tingley and others, 1999: Washoe County Mining Claims Platt, 1987			
FIELD EXAMINER(S)			
J. V. Tingley, 9/30/1998			
OCCURRENCE			
Metallic			

NO PROPERTY
624 Yellow Pit Mine Nos. 1 and 2 Lode

OTHER NAME(S)

GEOLOGY

Workings explored a large, brecciated and recemented quartz vein in coarse-grained biotite granodiorite. Vein attitude: N30°E, 10-15°SE. Vein is up to 0.75 m thick in places, composed of white quartz rubble cemented by later quartz; matrix quartz is weakly FeOx-stained, rare fragments show weak green CuOx stain, and specks of tetrahedrite. Small adits were driven parallel to sheeting in the vein/breccia. Sample 6090 is quartz vein breccia with rare clots of tetrahedrite.

NO PROPERTY
625 Donatelli Mine, upper workings
OTHER NAME(S)
Georgianne

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
McClellan		Washoe	Sb		Quartz vein

QUAD SHEET					
Spanish Springs Peak					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ NE ¼ Sec. 30, T22N, R22E		4402685	281931	11	

PRODUCTION					
Minor(?)					

HISTORY					

DEVELOPMENT					
Short, caved adit, driven N20E, about 6 m of cut, then caved adit portal; adit appears to be open beyond caved portal.					

SAMPLE SITE(S)					
6107					

REMARKS					

REFERENCES					
Bonham and Papke, 1969; Lawrence, 1963; Tingley and others, 1999					

FIELD EXAMINER(S)					
D. A. Davis, 1994; J. V. Tingley, 10/7/1998					

OCCURRENCE					
Metallic					

NO PROPERTY
625 Donatelli Mine, upper workings

OTHER NAME(S)
Georgianne

GEOLOGY

Adit is collared in gneissic biotite granodiorite; a small quartz vein (2-3 cm) in shear zone is observed at portal. Vein strikes N70°W, dips 45°NE. Rock on dump is obviously from stronger vein; the adit must cut a vein that does not crop out. Massive, brecciated, and recemented, FeOx-stained quartz vein crops out about 30 m northeast of the adit portal; vein strikes N15°E, dips 40°SE, is about 1 m thick, pod-like, and does not appear to extend more than 5-10 m along strike. More quartz float is on slope to the northwest above adit. Vein must pinch and swell along strike. Another vein, about 0.5 m thick, crops out on slope about 40 m northwest of the adit portal. The vein strikes N15-50°E, dips 30°SE. This could be the vein by the adit. Lawrence (1963) reported small pods of stibnite, with pyrite, malachite, and azurite in a quartz (+minor calcite) vein. A sample of vein material assayed 38.73% Sb, 0.56 oz per ton Ag, and trace Au (Lawrence, 1963). Sample 6107 is white vein quartz from dump; massive bull quartz, red-brown and yellow-brown FeOx staining on fracture surfaces, clots of bright, crystalline pyrite in vein along with trace blue-black metallic mineral (stibnite?). Sulfide-rich clots are cellular mass of quartz, pyrite, and fine-grained, grey sulfide.

NO PROPERTY
626 Viola Claim

OTHER NAME(S)

Mineral Survey 2065; Patented Claim No. 39392

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au(?)	High-sulfidation epithermal
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE ¼ NE ¼ Sec., 30, T20N, R20E	4384130	261930	11
PRODUCTION			
None(?).			
HISTORY			
Located by George J. Smith, 3 Mar 1902. Surveyed in 1903 and patented 31 Jul 1904. 1985: Housing subdivision started.			
DEVELOPMENT			
Patented claim and prospect pit. In 1904: included 4 shallow cuts and 4 shafts. 2005: Housing subdivision.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Bingler, 1973; Nevada Department of Transportation, 1985a (aerial photograph 7-5); Washoe County Assessor, 2005; Washoe County Mining Claims Platt, 1972; BLM Mineral Survey Platt, 1903			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY

626 Viola Claim

OTHER NAME(S)

Mineral Survey 2065; Patented Claim No. 39392

GEOLOGY

Detailed geology is uncertain, but shaft is in altered Tertiary Alta Formation which consists of dark brown pyroxene andesite flows, flow breccia, and laharc breccia which commonly alters to tan rock composed of quartz, sericite, and clay minerals or propylitizes to gray green rock containing chlorite, calcite, albite, epidote, and clay minerals.

NO PROPERTY
627 Unnamed shaft

OTHER NAME(S)

Locality 3447

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET
Reno

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW¼ Sec. 34, T20N, R19E	4382230	256280	11

PRODUCTION
None(?)

HISTORY

DEVELOPMENT
Shaft, which may be a caved adit.

SAMPLE SITE(S)
3447

REMARKS

REFERENCES
Quade and others, 1990a, 1990b

FIELD EXAMINER(S)
L.J. Garside, 1989

OCCURRENCE
Metallic

NO PROPERTY
627 Unnamed shaft

OTHER NAME(S)

Locality 3447

GEOLOGY

The mineralization is likely related to that at 65, which in the vicinity of those workings is localized in alunitized, argillized, and iron-stained Tertiary Alta Formation andesite. Some workings are entirely in the oxidized zone, in silicified ledges with strong limonite and hematite concentrations. Others encounter sulfides in pyritized zones. Hill (1915, p. 195) reported veinlets containing pyrite, galena, and sphalerite from underground, and reported that the sulfide ore is said to carry \$1.80 in gold (about 0.09 ounces per ton) and 6 ounces per ton in silver. Hill also reported that the mineralization is in a zone of pyritized andesite which strikes N5-10°W and dips 50-65°E. Alunite was noted locally and is probably hypogene; supergene gypsum was noted by Hill (1915). A hydrothermal breccia zone at one prospect pit has an attitude of N30°W, 90°. Sample 3447 is a grab sample of silicified hydrothermal breccia exposed in a small prospect pit.

NO PROPERTY
628 Kathleen No. 1 Claim

OTHER NAME(S)
Charlton property; Kathleen No. 1 Portal; Reno-Mizpah Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET			
Reno			

OWNERSHIP			
Charleton Consolidated Mining Co. (1918)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SE¼ Sec. 27, T20N, R19E	4383150	256600	11

PRODUCTION
None(?)

HISTORY
Located by Greenhorn Mining Company 15 Dec 1905. Charlton Consolidated Mining Co. owned it by 1913 and kept it current until 1922.

DEVELOPMENT
One of eight unpatented claims. Caved adit with moderate-sized dump. Hill (1915) reports a 183 m adit; USGS (1906, 1907) suggest two adits of 270 and 275 m.

SAMPLE SITE(S)
3444

REMARKS
Hill (1915) and topographicmap erroneosly suggests this to be part of the Reno-Mizpah Mine.

REFERENCES
Bonham and Bingler, 1973; Bonham and Papke, 1969; Hill, 1915; Quade and others, 1990a, 1990b; Washoe County Mining Claims Records, 1905, 1913, 1922

FIELD EXAMINER(S)
L.J. Garside and D. A. Davis, 5/22/1989

OCCURRENCE
Metallic

NO PROPERTY
628 Kathleen No. 1 Claim

OTHER NAME(S)

Charlton property; Kathleen No. 1 Portal; Reno-Mizpah Mine

GEOLOGY

At the adit, dump samples contain pyrite and enargite (by x-ray diffraction) with strong silicification and quartz veining (enargite was only noted on the south dump). The wall rock is silicified and argillized andesite of the Alta Formation. Alunite(?) may be present. The caved adits trend into a hillside and northeast-trending ridge which may be the mineralized structure, although little can be seen at the surface. Hill (1915) reported that the adit he examined was probably an attempt to crosscut to a N70W silicified zone, which he believes was not reached. Possibly this description refers to Nona adit. Pyrite is quite high in dump samples, and is reported to occur in the workings in a narrow, northerly-trending, pyritized bleached zones. Sample 3444 is a select sample of pyritized wallrock, silicified wallrock, and enargite and vein quartz.

NO PROPERTY
629 Black Bear and Goodenough No. 1 Claims

OTHER NAME(S)
Charlton property; Reno-Mizpah Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au	High-sulfidation epithermal

QUAD SHEET			
Reno			

OWNERSHIP			
Charleton Consolidated Mining Co. (1922)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ NE¼ Sec. 27, T20N, R19E	4383780	256500	11

PRODUCTION
None(?)

HISTORY
Goodenough No. 1 located by Greenhorn Mining Company 15 Dec 1905. Charlton Consolidated Mining Co. owned it by 1913 and located the Black Bear 6 Sep 1913. Claims kept current until 1922.

DEVELOPMENT
Goodenough No. 1 was one of eight original unpatented claims. Black Bear was one of nine claims finally owned by Charlton. Shallow pits less than 2 m deep. West shaft on Black Bear and east shaft on line with Goodenough No. 1.

SAMPLE SITE(S)

REMARKS
Hill (1915) and topographicmap erroneosly suggest this to be part of the Reno-Mizpah Mine.

REFERENCES
Bonham and Papke, 1969,; Hill, 1915; Mason and others, 1996, Rec. M231172; U.S. Bureau of Mines, 1995, Seq. 0320310104; Washoe Co Mining Claim Loc Rec, 1906, 1913, 1922

FIELD EXAMINER(S)
L.J. Garside and D. A. Davis, 5/22/1989

OCCURRENCE
Metallic

NO PROPERTY
629 Black Bear and Goodenough No. 1 Claims

OTHER NAME(S)
Charlton property; Reno-Mizpah Mine

GEOLOGY

The site of the Reno Mizpah mine as erroneously shown on the Reno 7.5-minute topographic map consists only of several shallow pits less than 2 m deep. It seems more likely that the workings described in the literature refer to two adits (573 and 628) located about 500 m southeast of the location shown on the map (c, W½, SE¼ Sec. 27). At these adits, dump samples contain pyrite and enargite (by x-ray diffraction) with strong silicification and quartz veining (enargite was only noted on the south dump). The wall rock is silicified and argillized andesite of the Alta Formation. Alunite(?) may be present. The caved adits trend into a hillside and northeast-trending ridge which may be the mineralized structure, although little can be seen at the surface. Hill (1915,) reported that the adit he examined was probably an attempt to crosscut to a N70W silicified zone, which he believes was not reached. Possibly this description refers to the north adit. Pyrite is quite high in dump samples, and is reported to occur in the workings in a narrow, northerly-trending, pyritized bleached zones.

NO PROPERTY
630 St. Joseph Claim

OTHER NAME(S)
Mineral Survey 2066

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au(?)	High-sulfidation epithermal

QUAD SHEET

Reno

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
W½ NW¼ Sec., 29, T20N, R20E	4384150	262140	11

PRODUCTION

None(?).

HISTORY

DEVELOPMENT

Two prospect pits.

SAMPLE SITE(S)

REMARKS

REFERENCES

Bonham and Bingler, 1973; Washoe County Mining Claims Platt, 1972

FIELD EXAMINER(S)

Not examined during this study.

OCCURRENCE

Metallic

NO PROPERTY
630 St. Joseph Claim

OTHER NAME(S)
Mineral Survey 2066

GEOLOGY

Detailed geology is uncertain, but shaft is in altered Tertiary Alta Formation which consists of dark brown pyroxene andesite flows, flow breccia, and laharc breccia which commonly alters to tan rock composed of quartz, sericite, and clay minerals or propylitizes to gray green rock containing chlorite, calcite, albite, epidote, and clay minerals.

NO PROPERTY
631 Metallic Claim

OTHER NAME(S)
Mineral Survey 2067

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au(?)	High-sulfidation epithermal

QUAD SHEET
Reno

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Center Sec., 29, T20N, R20E	4383610	262720	11

PRODUCTION
None(?).

HISTORY

DEVELOPMENT
Mineral survey.

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bonham and Bingler, 1973; Washoe County Mining Claims Platt, 1972

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
631 Metallic Claim

OTHER NAME(S)
Mineral Survey 2067

GEOLOGY

Detailed geology is uncertain, but shaft is in altered Tertiary Alta Formation which consists of dark brown pyroxene andesite flows, flow breccia, and laharc breccia which commonly alters to tan rock composed of quartz, sericite, and clay minerals or propylitizes to gray green rock containing chlorite, calcite, albite, epidote, and clay minerals.

NO PROPERTY
632 Mazy Mine

OTHER NAME(S)

Udike Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Au(?)	High-sulfidation epithermal

QUAD SHEET
Reno

OWNERSHIP
Udike Mining Co. (1921)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec., 33, T20N, R19E	4382800	255200	11

PRODUCTION
None(?).

HISTORY
Located by F. C. Udike 20 Sep 1905 and sold as one of three claims to the Udike Mining Co. 8 Dec 1911. Kept current until 1921.

DEVELOPMENT
Inclined shaft(?)

SAMPLE SITE(S)

REMARKS
Exact location uncertain but UTMs from approximate location of inclined discovery shaft. Location of Udike Mine according to Hill (1915) and topographic map is erroneous.

REFERENCES
Bonham and Bingler, 1973; Hill, 1915; Washoe County Mining Claims Record and Deeds, 1905, 1911, 1921

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY

632 Mazy Mine

OTHER NAME(S)

Updike Mine

GEOLOGY

Detailed geology is uncertain, but shaft is in altered Tertiary Alta Formation which consists of dark brown pyroxene andesite flows, flow breccia, and lahatic breccia which commonly alters to tan rock composed of quartz, sericite, and clay minerals or propylitizes to gray green rock containing chlorite, calcite, albite, epidote, and clay minerals. Hill (1915) notes that sulfide bearing quartz contained \$1.80 (0.09 opt) and 6 oz per ton silver. However, this may actually refer to the Reno-Mizpah workings on the Gold Medal No. 4 claim (no 65).

NO PROPERTY
633 Unnamed Mine

OTHER NAME(S)

Locality 3433

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Wedekind		Washoe	Au		High sulfidation epithermal
QUAD SHEET					
Reno					
OWNERSHIP					
Black Panther Mining Co. (1927)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ NW¼ Sec. 25, T20N, R20E		4383850	259000	11	
PRODUCTION					
Unknown					
HISTORY					
DEVELOPMENT					
Shallow shaft and adit.					
SAMPLE SITE(S)					
3433					
REMARKS					
REFERENCES					
Bonham and Bingley, 1973; Quade and others, 1990a, 1990b; Tingley and others, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 5/18/1989					
OCCURRENCE					
Metallic					

NO PROPERTY
633 Unnamed Mine

OTHER NAME(S)

Locality 3433

GEOLOGY

Adit is along a N35°E, 80°SE fault zone in Alta(?) Andesite. There, ochrous limonite (from oxidized sulfides) occurs along the fault, and the rocks are silicified and argillized as well. The working is too shallow for sulfides to have been encountered. Minor hydrothermal breccia was noted in rocks at the adit. Sample 3433 is a select sample of limonite gossan from outcrop.

NO PROPERTY
634 Kooskie Claim

OTHER NAME(S)
Black Panther property; Locality 6004

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Wedekind		Washoe	Au		High sulfidation epithermal
QUAD SHEET					
Reno					
OWNERSHIP					
Black Panther Mining Co. (1927)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE ¼ NE ¼ Sec. 26, T20N, R20E		4384350	258680	11	
PRODUCTION					
None					
HISTORY					
Kooskie located 1913 by Mrs. A. Godfrey and W. Williams. Bought and re-located by Black Panther Mining Co. in 1922 and became part of a block of 7 unpatented claims. Kept current until 1927.					
DEVELOPMENT					
Prospect pit, 2 m deep.					
SAMPLE SITE(S)					
6004					
REMARKS					
REFERENCES					
Bonham and Bingler, 1973; Tingley and others, 1999; Washoe County Mining Claims and Deeds Records, 1913, 1922, 1927					
FIELD EXAMINER(S)					
L.J. Garside, 1998					
OCCURRENCE					
Metallic					

NO PROPERTY
634 Kooskie Claim

OTHER NAME(S)
Black Panther property; Locality 6004

GEOLOGY

A prospect pit explored iron-stained and argillized Tertiary microdiorite. The microdiorite is one phase of an altered Tertiary granitic hypabyssal stock (Bonham and Binger, 1973). Pyrite is abundant in unweathered parts of the altered rock. Sample 6004 is select, iron-stained microdiorite from the pit dump.

NO PROPERTY
635 Black Panther Claim

OTHER NAME(S)
Black Panther property; Locality 6003

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Au	High sulfidation epithermal

QUAD SHEET

Reno

OWNERSHIP

Black Panther Mining Co. (1927)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 26, SE¼ Sec. 23, T20N, R	4384520	258820	11

PRODUCTION

None

HISTORY

Black Panther located 1 Jan 1922 by A. M. Keefer and sold to by Black Panther Mining Co. in 1922. Became part of a block of 7 unpatented claims. Kept current until 1927.

DEVELOPMENT

Shaft? (caved) and several prospect pits

SAMPLE SITE(S)

6002, 6003

REMARKS

UTMs from shaft of sample 6003

REFERENCES

Bonham and Bingler, 1973; Tingley and others, 1999; Washoe County Mining Claims and Deeds Records, 1913, 1922, 1927

FIELD EXAMINER(S)

L.J. Garside, 1998

OCCURRENCE

Metallic

NO PROPERTY
635 Black Panther Claim

OTHER NAME(S)
Black Panther property; Locality 6003

GEOLOGY

Tertiary microdiorite is silicified and iron stained in the vicinity of prospect pits and a probable shaft. Some of the workings explore a ledge of vuggy, silicified rock with local gossan. The microdiorite is part of an altered Tertiary granitic hypabyssal stock consisting of several intrusive phases (Bonham and Bingler, 1973). It is predominantly altered to cream-colored, iron-stained rock made up of quartz, sericite, and clay. Pyrite is abundant in unweathered parts of the altered rock. Sample 6002 is select iron-stained and silicified rock from outcrop; sample 6003 is gossan and silicified rock from shaft dump. Sample 6005, from about 250 m northeast of the shaft, is a hydrothermal breccia of microdiorite from along a N85°E, high-angle ledge.

NO PROPERTY
636 DE 278 Claim
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Lyon	Diatomite		Sedimentary
QUAD SHEET					
Fernley East					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
N½ SE¼ Sec. 14, T19N, R25E		4375450	315920	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Five bulldozer cuts about 15 m long by about 1.5 m deep. 4" by 4" wooden claim post marked, "Com. corner DE 270, 271, 278, 279"					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Moore, 1969					
FIELD EXAMINER(S)					
D. A. Davis, 7/8/1999					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
636 DE 278 Claim

OTHER NAME(S)

GEOLOGY

Bulldozer cuts expose diatomite less than 0.5 m below the surface. Diatomite deposit is at least as thick as the cuts are deep. Diatomite is highly fractured and commly laminated. A thin bed of light gray, fine-grained tuffaceous sandstone had an attitude of N16°W, 8°E. Float is commonly of dark gray vesicular basalt.

NO PROPERTY
637 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Diatomite(?)	Sedimentary
QUAD SHEET			
Fernley East			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 24, T19N, R25E	4374580	317240	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Several short, shallow bulldozer cuts within quarter-quarter section.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Moore, 1969			
FIELD EXAMINER(S)			
D. A. Davis, 7/8/1999			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
637 Unnamed prospect

OTHER NAME(S)

GEOLOGY

Bulldozer cut at UTM site exposes intermixed diatomite and light gray, fine-grained tuffaceous sandstone or air-fall tuff. Bedding was not obvious. Other pits exposed very little or no diatomite. Float is commonly of dark gray, vesicular basalt.

NO PROPERTY
638 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Lyon	Au(?)		Unknown

QUAD SHEET					
Fernley East					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ NE ¼ Sec. 18, T19N, R25E		4375970	309310	11	

PRODUCTION					
None					

HISTORY					

DEVELOPMENT					
Several short, shallow bulldozer cuts within quarter section that barely scrape surface.					

SAMPLE SITE(S)					

REMARKS					

REFERENCES					
Moore, 1969					

FIELD EXAMINER(S)					
D. A. Davis, 7/8/1999					

OCCURRENCE					
Metallic					

NO PROPERTY
638 Unnamed prospect
OTHER NAME(S)

GEOLOGY

Bulldozer cuts barely scratch ground. Float is commonly dark gray to some reddish brown, vesicular basalt and small amounts of other rock types.

NO PROPERTY
639 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Lyon	Au(?)		Unknown

QUAD SHEET					
Hazen					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
S½ Sec. 18, T19N, R26E		4374840	318790	11	

PRODUCTION					
None					

HISTORY					

DEVELOPMENT					
Three very shallow bulldozer scrapes about 15 m long and one metal fence post used for a claim post tagged "827".					

SAMPLE SITE(S)					

REMARKS					

REFERENCES					
Moore, 1969					

FIELD EXAMINER(S)					
D. A. Davis, 7/8/1999					

OCCURRENCE					
Metallic					

NO PROPERTY
639 Unnamed prospect

OTHER NAME(S)

GEOLOGY

One bulldozer scrape exposes dark gray basalt. Float is commonly dark gray to reddish brown, vesicular basalt and small amounts of other rock types. Reddish jasperoid is common.

NO PROPERTY
640 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Au(?)	Unknown

QUAD SHEET			
Hazen			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ NW¼ Sec. 20, T19N, R26E	4374530	320400	11

PRODUCTION			
None			

HISTORY			

DEVELOPMENT			
One bulldozer scrape with plastic pipe claim post marked "Hashen Engineer, RLS 3849" about 60 m N30E of prospect.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Moore, 1969			

FIELD EXAMINER(S)			
D. A. Davis, 7/8/1999			

OCCURRENCE			
Metallic			

NO PROPERTY
640 Unnamed prospect

OTHER NAME(S)

GEOLOGY

Bulldozer scrape does not expose bedrock, but adjacent road cut in dark gray, vesicular basalt, contains irregular veins, vesicle fillings, and coatings of calcite and travertine(?). Veins strike N30°W to N65°E with many trending N30-65°E. Basalt is locally brecciated, with calcite fillings.

NO PROPERTY
641 Golden Hawk No. 3
OTHER NAME(S)
Golden Hawk Claims; Lane Claims

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au(?)	Quartz vein
QUAD SHEET			
Wadsworth			
OWNERSHIP			
M. Sauvola (1984)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SE¼ Sec. 11, T21N, R23E	4397113	297096	11
PRODUCTION			
Minor(?)			
HISTORY			
Located in 1984 by M. Sauvola as 1 of 28 claims. Lane Claims located by Thomas Ehrhart in 1991.			
DEVELOPMENT			
Two shafts and several prospect pits. Workings pre-date these claims.			
SAMPLE SITE(S)			
6140			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Washoe County Mining Claims Platt, 1984			
FIELD EXAMINER(S)			
L.J. Garside, 8/25/1993; J.V. Tingley, 4/15/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
641 Golden Hawk No. 3

OTHER NAME(S)

Golden Hawk Claims; Lane Claims

GEOLOGY

Narrow, drusy, quartz veinlets and spotty, fine-grained sugary to chalcedonic vein material are found along an argillized and iron-stained fault zone cutting Miocene hornblende andesite of Stud Horse Canyon (Bell and others, 2005). The fault appears to strike N45°E and dip SE at a high angle; other altered fault zones in nearby prospect pits and shafts strike N25-80°E, and dip steeply SE to 90°. Limonite, as pseudomorphs after pyrite, was seen in dump material. The wallrock is propylitized. Sample 6140, from dump of shaft, is of silicified breccia with vein quartz; epidote, limonite and trace pyrite were observed.

NO PROPERTY
642 Unnamed Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 27, T21N, R23E	4392730	295040	11
PRODUCTION			
None(?)			
HISTORY			
DEVELOPMENT			
Shaft on SP map but prospect on topo map.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Beers, 1960b; Garside and Bonham, 2001			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Metallic			

NO PROPERTY
642 **Unnamed Mine**
OTHER NAME(S)

GEOLOGY

Beers (1960b) showed a gold prospect at a shaft symbol. The workings are in Oligocene tuff of Painted Hills.

NO PROPERTY
643 Oil-Dri property

OTHER NAME(S)
Hungry Valley

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Clay	Sedimentary
QUAD SHEET			
Reno NE			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Secs. 5, 8, T21N, R20E	4398900	263840	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Proposed to eventually mine 5700 acres for clay for cat litter.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Cordy, 1985; U.S. Bureau of Land Management, 2001a, 2001b; Voyles, 1999; Garside and others, 2003			
FIELD EXAMINER(S)			
L.J. Garside, 2005			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
643 Oil-Dri property

OTHER NAME(S)
Hungry Valley

GEOLOGY

An approximately 30 m thick section of late Miocene fine-grained lacustrine claystone was proposed for mining for industrial and consumer absorbents. The clay material is reported to consist of 65-70% calcium montmorillonite, 10-15% unaltered feldspar, and 10-15% quartz. The sedimentary rocks underlie central Hungry Valley.

NO PROPERTY
644 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Au(?)	Quartz vein

QUAD SHEET			
Fernley East			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 10, T19N, R25E	4377270	314080	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Very small cut in outcrop.

SAMPLE SITE(S)

REMARKS

REFERENCES

FIELD EXAMINER(S)
D. A. Davis, 7/15/1999

OCCURRENCE
Metallic

NO PROPERTY
644 Unnamed prospect
OTHER NAME(S)

GEOLOGY

Light to light reddish gray silicified, locally vesicular basalt(?) containing some jasperoid and quartz veins.

NO PROPERTY
645 Unnamed adit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Au(?)	Quartz vein

QUAD SHEET			
Fernley East			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 9, T19N, R25E	4376890	313180	11

PRODUCTION
None

HISTORY

DEVELOPMENT
1.2 m by 1.2 m adit timbered on sides and top trending back about N35°E. Timber appears dry but not rotted(?). Recent "Keep Out" sign with a thumb tack on ground. May be caved shaft about 7.5 m above adit. Dump measures about 15 m by 10 m by 1.5 m.

SAMPLE SITE(S)

REMARKS

REFERENCES

FIELD EXAMINER(S)
D. A. Davis, 7/15/1999

OCCURRENCE
Metallic

NO PROPERTY
645 Unnamed adit

OTHER NAME(S)

GEOLOGY

About one-third of dump is dark gray vesicular and amygdaloidal basalt similar to the outcrops of this area. The mineralized material is mostly silicified basalt(?) with quartz veins and iron oxide staining.

NO PROPERTY
646 Unnamed adit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Au(?)	Quartz vein
QUAD SHEET			
Fernley East			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 10, T19N, R25E	4376730	313280	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
1.2 m by 1.2 m untimbered adit trending about S20°W. Dump is about half the size of the one at 644. Nearby claim post refers to Virginia Hill Lode.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
FIELD EXAMINER(S)			
D. A. Davis, 7/15/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
646 Unnamed adit

OTHER NAME(S)

GEOLOGY

Outcrops are mostly of dark vesicular basalt. Mineralized material on dump is mostly light gray to reddish gray silicified basalt(?) containing thin quartz veins, iron oxide, and jasperoid(?)

NO PROPERTY
647 Unnamed adit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Au(?)	Quartz vein
QUAD SHEET			
Fernley East			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 10, T19N, R25E	4376690	313280	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
2 m by 2 m caved adit or shaft. Small dump would probably just fill hole. Several 2x4's and 2x8's nearby. Nearby claim post refers to Virginia Hill Lode.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
FIELD EXAMINER(S)			
D. A. Davis, 7/15/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
647 Unnamed adit

OTHER NAME(S)

GEOLOGY

Outcrops are mostly of dark gray, vesicular basalt. Mineralized material on dump is mostly light gray to reddish gray silicified basalt(?) containing thin quartz veins, iron oxide, and jasperoid(?) as at 646.

NO PROPERTY
648 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Lyon	Au(?)		Unknown

QUAD SHEET					
Fernley East					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
Sec. 9, T19N, R25E		4376750	313160	11	

PRODUCTION					
None					

HISTORY					

DEVELOPMENT					
About 1-m-deep prospect pit.					

SAMPLE SITE(S)					

REMARKS					

REFERENCES					

FIELD EXAMINER(S)					
D. A. Davis, 7/15/1999					

OCCURRENCE					
Metallic					

NO PROPERTY
648 **Unnamed prospect**
OTHER NAME(S)

GEOLOGY

Outcrops are mostly of light gray to light reddish gray, silicified, fine-grained rock, probably basalt(?).

NO PROPERTY
649 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Limestone(?)	Unknown

QUAD SHEET			
Fernley East			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 32, T20N, R25E	4380660	311470	11

PRODUCTION			
None			

HISTORY			

DEVELOPMENT			
About 30 m long bulldozer scrape.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			

FIELD EXAMINER(S)			
D. A. Davis, 7/20/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
649 Unnamed prospect

OTHER NAME(S)

GEOLOGY

Bulldozer scrape exposed light gray, coarse-grained, calcareous, bedded sandstone which appears to be overlain and underlain by gravel and cobble conglomerate(?).

NO PROPERTY
650 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Diatomite(?)	Sedimentary

QUAD SHEET			
Hazen			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 15, T20N, R26E	4385210	324560	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Two prospect pits: one bulldozer scrape and one hole dug about 1 m deep.

SAMPLE SITE(S)

REMARKS

REFERENCES
Southern Pacific, 1964

FIELD EXAMINER(S)
D. A. Davis, 7/27/1999

OCCURRENCE
Nonmetallic

NO PROPERTY
650 **Unnamed prospect**

OTHER NAME(S)

GEOLOGY

Bulldozer scrape exposed light gray to off white consolidated ash or diatomaceous sediments(?). Pile near hole contains fragments of laminated diatomite. Sec. 15 prospects expose large quantities of diatomite interbedded with thin pumice and tuffaceous sandstone beds (Southern Pacific, 1964).

NO PROPERTY
651 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Diatomite(?)	Sedimentary

QUAD SHEET			
Hazen			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 11, T20N, R26E	4386110	325020	11

PRODUCTION
None

HISTORY

DEVELOPMENT
One bulldozer cut about 40 m by about 5 m by about 1 m deep pushing up a 2 m high pile.

SAMPLE SITE(S)

REMARKS

REFERENCES

FIELD EXAMINER(S)
D. A. Davis, 7/27/1999

OCCURRENCE
Nonmetallic

NO PROPERTY
651 Unnamed prospect

OTHER NAME(S)

GEOLOGY

Bulldozer scrape exposed outcrops of highly fractured, light gray to off-white diatomite(?) and ash(?). Float is commonly dark gray, vesicular basalt, which appears to cap the diatomite.

NO PROPERTY
652 Hazen No. 7

OTHER NAME(S)
Hazen Zeolite Field

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Churchill	Zeolite, diatomite		Sedimentary
QUAD SHEET					
Hazen					
OWNERSHIP					
ZIX Corp. (1997)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
Sec. 22, T20N, R26E		4383740	323570	11	
PRODUCTION					
None					
HISTORY					
Jake Nos. 1-15, Hazen Nos. 1-18 located 7/2/97 by C. E. Paisley for DBA Moltan Co. of Memphis, TN. Sold to ZIX Corp. 9/26/97. Map prospect symbol in Hazen No. 18 predates map dated 1985.					
DEVELOPMENT					
Two claim groups: Jake Nos. 1-15, Hazen Nos. 1-18. 40-50 m by 5-6 m by 1.5 m deep bulldozer cuts in Hazen Nos. 7 and 17. One bulldozer cut on hill in Hazen No. 18 (map prospect). Several bulldozer cuts 150-300 m farther south may also be part of this.					
SAMPLE SITE(S)					
REMARKS					
Locality 652 at bulldozer scrape in Hazen No. 7. Claim names from location notice and quit claim deed at Hazen No. 7 location marker.					
REFERENCES					
FIELD EXAMINER(S)					
D. A. Davis, 7/27/1999					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
652 Hazen No. 7

OTHER NAME(S)
Hazen Zeolite Field

GEOLOGY

Bulldozer scrapes in Hazen Nos. 7 and 17 claims exposed outcrops of very light gray to off white, highly fractured, tuffaceous(?), diatomaceous, laminated siltstone to medium-grained sandstone. Cut at prospect symbol exposed yellowish, clayey soil with no obvious diatomite.

NO PROPERTY
653 Unnamed shaft

OTHER NAME(S)
Nezelda Mine(?)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Truckee		Churchill	Ag, Au, Pb, U(?)		Quartz vein
QUAD SHEET					
Hot Springs Flat					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ NE¼ Sec. 19, T22N, R26E		4412750	320060	11	
PRODUCTION					
Small(?)					
HISTORY					
DEVELOPMENT					
Shaft about 2 m across with small dump and dilapidated remains of a wooden head frame and ladder. Stone falls 1-2 seconds; >15 m deep(?).					
SAMPLE SITE(S)					
REMARKS					
Probably part of Nezelda Mine. See 293					
REFERENCES					
Harlan, 1984					
FIELD EXAMINER(S)					
D. A. Davis, 8/12/1999					
OCCURRENCE					
Metallic					

NO PROPERTY
653 Unnamed shaft

OTHER NAME(S)
Nezelda Mine(?)

GEOLOGY

Dump contains argillite or phyllite and probable basalt with quartz veins and iron staining.

NO PROPERTY
654 Unnamed shaft

OTHER NAME(S)
Nezelda Mine(?)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Truckee		Churchill	Ag, Au, Pb, U(?)		Vein
QUAD SHEET					
Hot Springs Flat					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ NW¼ Sec. 19, T22N, R26E		4412690	319920	11	
PRODUCTION					
Small(?)					
HISTORY					
DEVELOPMENT					
Shaft about 2 m across with small to medium sized dump. Stone falls 2-3 seconds; >30 m deep(?). Shaft just to the east also contains old wooden headframe and chute and small dump.					
SAMPLE SITE(S)					
REMARKS					
Probably part of Nezelda Mine. See 293					
REFERENCES					
Harlan, 1984					
FIELD EXAMINER(S)					
D. A. Davis, 8/12/1999					
OCCURRENCE					
Metallic					

NO PROPERTY
654 Unnamed shaft

OTHER NAME(S)
Nezelda Mine(?)

GEOLOGY

Dump contains schist and probable basalt commonly iron-stained and containing a gossan with a boxwork structure from some sulfide mineral.

NO PROPERTY
655 Unnamed shaft

OTHER NAME(S)
Nezelda Mine(?)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Truckee		Churchill	Ag, Au, Pb, U(?)		Vein
QUAD SHEET					
Hot Springs Flat					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ NW¼ Sec. 19, T22N, R26E		4412710	319820	11	
PRODUCTION					
Small(?)					
HISTORY					
DEVELOPMENT					
Shaft about 2 m in diameter with wooden frame on ground and covered with boards, and with small concrete footing adjacent to it. Rock bounced for 4-5 seconds - >50(?) m deep.					
SAMPLE SITE(S)					
REMARKS					
Probably part of Nezelda Mine. See 293					
REFERENCES					
Harlan, 1984					
FIELD EXAMINER(S)					
D. A. Davis, 8/12/1999					
OCCURRENCE					
Metallic					

NO PROPERTY
655 **Unnamed shaft**

OTHER NAME(S)
Nezelda Mine(?)

GEOLOGY

Dump contains schist, argillite, phyllite and probable basalt, commonly iron-stained and containing a gossan with a boxwork structure . Some sulfide minerals and quartz veins were observed. Nearby outcrop is of phyllite with a slaty cleavage of N10°E, 48°E.

NO PROPERTY
656 Unnamed shaft

OTHER NAME(S)
Nezelda Mine(?)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Truckee		Churchill	Ag, Au, Pb, U(?)		Unknown
QUAD SHEET					
Hot Springs Flat					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ SW¼ Sec. 19, T22N, R26E		4412230	319630	11	
PRODUCTION					
Small(?)					
HISTORY					
DEVELOPMENT					
Partially caved shaft with small dump and remnants of a wooden frame and ladder.					
SAMPLE SITE(S)					
REMARKS					
Probably part of Nezelda Mine. See 293					
REFERENCES					
Harlan, 1984					
FIELD EXAMINER(S)					
D. A. Davis, 8/12/1999					
OCCURRENCE					
Metallic					

NO PROPERTY
656 Unnamed shaft

OTHER NAME(S)
Nezelda Mine(?)

GEOLOGY

Outcrop is of light gray, altered and locally iron-stained, porphyritic volcanic(?) rock. Most of the material on the dump is the same as that in outcrop, but near the shaft, the dump contains dark gray, fine-grained rock resembling argillite.

NO PROPERTY
657 Unnamed shaft
OTHER NAME(S)
Fire No. 6; Nezelda Mine(?)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Truckee		Churchill	Ag, Au, Pb, U(?)		Quartz vein
QUAD SHEET					
Hot Springs Flat					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ SW¼ Sec. 19, T22N, R26E		4412250	319560	11	
PRODUCTION					
Small(?)					
HISTORY					
DEVELOPMENT					
Caved shaft with small dump and 4x4 sticking up. 2x2 wooden claim post about 30 m uphill to the south-southwest is the southwest corner of Fire No. 6					
SAMPLE SITE(S)					
REMARKS					
Probably part of Nezelda Mine. See 293					
REFERENCES					
Harlan, 1984					
FIELD EXAMINER(S)					
D. A. Davis, 8/12/1999					
OCCURRENCE					
Metallic					

NO PROPERTY
657 Unnamed shaft

OTHER NAME(S)

Fire No. 6; Nezelda Mine(?)

GEOLOGY

Outcrop at shaft is of plagioclase porphyry andesite(?) with some quartz veins. Dump contains light gray, altered, commonly iron-stained and quartz veined, porphyritic volcanic(?) rock.

NO PROPERTY
658 Unnamed adit

OTHER NAME(S)
Misery No. 20(?)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Truckee		Churchill	Au(?)		Unknown
QUAD SHEET					
Hot Springs Flat					
OWNERSHIP					
Brancote, U. S., Inc. (1993)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ NE¼ Sec. 19, T22N, R26E		4413170	320540	11	
PRODUCTION					
None					
HISTORY					
Misery No. 20 was located 7/26/93 by Brancote U. S., Inc. Adit is on map and therefore pre-1986.					
DEVELOPMENT					
Partially caved adit with 6x6's and 8x8's sticking out of the ground and with a small to moderate sized dump. 2x2" post about 100 m due west of adit is marked as location marker for Misery No. 20, 1000'NE, 500'SW, 300' each side.					
SAMPLE SITE(S)					
REMARKS					
Probably part of Nezelda Mine. See 293					
REFERENCES					
Harlan, 1984					
FIELD EXAMINER(S)					
D. A. Davis, 8/12/1999					
OCCURRENCE					
Metallic					

NO PROPERTY
658 Unnamed adit

OTHER NAME(S)
Misery No. 20(?)

GEOLOGY

Dump is mostly of light gray, fine-grained altered(?) rock with some iron staining.

NO PROPERTY
659 Tear No. 2
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Washoe	Au(?)	Unknown
QUAD SHEET			
Patrick			
OWNERSHIP			
Edwin L. Depaoli			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SE ¼ Sec. 25, T20N, R21E	4382610	279150	11
PRODUCTION			
None			
HISTORY			
Tear 2 was located 8/28/98 by Edwin L. Depaoli (1998).			
DEVELOPMENT			
Small prospect cut about 4-5 m across in hill about 120 m S35W of location notice for Tear No. 2, 750'N, 750'S, 300' on each side.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
FIELD EXAMINER(S)			
D. A. Davis, 8/19/1999			
OCCURRENCE			
Metallic			

NO PROPERTY

659 Tear No. 2

OTHER NAME(S)

GEOLOGY

Outcrops are of clay-altered, volcanic breccia or lahar(?) capped by very dark gray basalt. Breccia is clast supported, and clasts are unsorted, pebbles, cobbles, and boulders of mostly light to medium gray rhyolite. Surfaces and fractures commonly contain a thin coating of iron oxides.

NO PROPERTY
660 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Washoe	Au(?)	Unknown

QUAD SHEET			
Patrick			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 30, T20N, R22E	4383020	279870	11

PRODUCTION			
None			

HISTORY			

DEVELOPMENT			
Three bulldozer cuts about 50 m by 5 m by 2-3 m deep.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			

FIELD EXAMINER(S)			
D. A. Davis, 8/19/1999			

OCCURRENCE			
Metallic			

NO PROPERTY
660 Unnamed prospect

OTHER NAME(S)

GEOLOGY

Two cuts expose a breccia or lahar(?) of unsorted clasts of pebbles, cobbles, and boulders of mostly light to medium gray rhyolite. Surfaces and fractures commonly contain a thin coating of iron oxide.

NO PROPERTY
661 Unnamed prospect(?)
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	(?)	Unknown

QUAD SHEET
Fernley West

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 16, T20N, R24E	4385260	303180	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Topographic map shows about 10 prospects in this area, but none are obvious on the ground.

SAMPLE SITE(S)

REMARKS

REFERENCES

FIELD EXAMINER(S)
D. A. Davis, 8/26/1999

OCCURRENCE
Metallic

NO PROPERTY
661 Unnamed prospect(?)
OTHER NAME(S)

GEOLOGY

Most outcrops in this area are of dark gray, vesicular basalt. "Prospect" at this location contains whitish ash or lapilli tuff.

NO PROPERTY
662 Unnamed pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Road ballast(?)	Unknown

QUAD SHEET			
Vista			

OWNERSHIP			
Alamantra, LLC (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 13, T19N, R20E	4377600	269410	11

PRODUCTION
Small(?)

HISTORY
Pre-1946. Appears on 10 July 1946 aerial photographs.

DEVELOPMENT
Large cut in side of hill about 30 m above Interstate 80 with two large dumps(?) below it. Large concrete foundation with large bolts sticking up out of it is below dump next to Interstate 80.

SAMPLE SITE(S)

REMARKS

REFERENCES
Nevada Department of Transportation, 1959a (aerial photograph 24-1); U.S. Geological Survey, 1946 (aerial photograph 2-85); Washoe County Assessor, 2005, APN 3731003

FIELD EXAMINER(S)
D. A. Davis, 9/2/1999

OCCURRENCE
Nonmetallic

NO PROPERTY
662 Unnamed pit
OTHER NAME(S)

GEOLOGY

Dumps contain mostly locally iron-stained, dark gray, plagioclase porphyry - andesite(?) - that contains coatings and veins of epidote. No obvious metallic mineralization was observed.

NO PROPERTY
663 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Gravel	Sedimentary

QUAD SHEET			
Fernley East			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 23, T20N, R24E	4384340	307060	11

PRODUCTION			
Small.			

HISTORY			
Pre-1954. Small pit at site in 1954. In 1985: truck at site -- in operation? 1999: site of Public Refuse Disposal building built after 1994.			

DEVELOPMENT			
Pit covering about 1 ha. in 1985.			

SAMPLE SITE(S)			

REMARKS			
UTMs taken from center pit.			

REFERENCES			
Moore, 1969; Nevada Department of Transportation, 1985b (aerial photograph 5-2); Soil Conservation Service, 1954; U.S. Geological Survey, 1994 (aerial photograph 7388-134)			

FIELD EXAMINER(S)			
D. A. Davis, 7/20/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
663 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

Pit lies in Quaternary alluvium consisting of alluvial fan gravel, stream-laid gravel, sand, and silt, and talus material (Moore, 1969).

NO PROPERTY
664 Wade Sand Pit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Washoe	Gravel		Sedimentary

QUAD SHEET

Wadsworth

OWNERSHIP

Wade and Logan Co. (2005)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SE¼ Sec. 3, T20N, R24E	4388890	305170	11

PRODUCTION

2002: 100,000-1,000,000 tons

HISTORY

Pit started after 1999. 2000-2005: Operated by Granite Construction Co.

DEVELOPMENT

SAMPLE SITE(S)

REMARKS

REFERENCES

Bonham and Papke, 1969; Bryan and others, 2004; Davis, 2004; Bell and others, 2005; Nevada Division of Minerals, 2004; Nevada State Inspector of Mines, 2001, 2002, 2004; U.S. Geological Survey, 1999 (aerial photograph 11530-90); Washoe County Assessor, 20

FIELD EXAMINER(S)

D. A. Davis, 7/20/1999

OCCURRENCE

Nonmetallic

NO PROPERTY
664 Wade Sand Pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in Quaternary terrace deposits of the Truckee River (Bell and others, 2005).

NO PROPERTY
665 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET			
Wadsworth			

OWNERSHIP			
Warren E. Fisk (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ NW¼ Sec. 3, T20N, R24E	4388960	304320	11

PRODUCTION			
Small.			

HISTORY			
Pit started between 1968 and 1974. 1977: pit contains a building--active(?). 1994: building removed. 1999: inactive.			

DEVELOPMENT			
Pit covers about 2 ha. in 1985.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bonham and Papke, 1969; Nevada Department of Transportation, 1977 (aerial photograph 18-18) ; U.S. Air Force, 1968 (aerial photograph 026); U.S. Geological Survey, 1974 (aerial photograph 1-40), 1994 (aerial photograph 7388-11); Washoe County Assessor, 20			

FIELD EXAMINER(S)			
D. A. Davis, 7/20/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
665 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in Holocene Truckee River terrace deposits (Bell and others, 2005).

NO PROPERTY
666 Unnamed diatomite pit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Leete		Churchill	Diatomite		Sedimentary
QUAD SHEET					
Hot Springs Flat					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NW¼ NE¼ Sec. 15, T22N, R26E		4404920	324780	11	
PRODUCTION					
Small(?)					
HISTORY					
Pre-1954					
DEVELOPMENT					
Small pit covering about 200-300 sq. m.surrounded by a number of small prospect pits and some bulldozer scrapes up to 30-40 m long.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
U.S. Geological Survey, 1954 (aerial photograph 1-46): Southern Pacidic Co., 1964					
FIELD EXAMINER(S)					
D. A. Davis, 8/3/1999					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
666 Unnamed diatomite pit
OTHER NAME(S)

GEOLOGY

Pit exposes very light gray to white diatomite commonly containing closely spaced jointing of N21°E, 51°SE. Some joints contain iron staining. Ridge to the northwest consists of dark gray vesicular basalt that appears to overlie the diatomite and diatomaceous sediments. Adjacent prospect pits expose diatomite and diatomaceous sediments.

NO PROPERTY
667 Unnamed prospect pits
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Leete	Churchill	Diatomite	Sedimentary

QUAD SHEET			
Hot Springs Flat			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 16, T22N, R26E	4404400	322610	11

PRODUCTION			
None			

HISTORY			
Mid-1950's(?). White dots at edge of resolution on 1954 and 1956 photos may be pits.			

DEVELOPMENT			
Three shallow prospect pits cut by a backhoe or front-end loader. Bulldozer scrape about 20 m long by 2 m wide and 2 m deep about 600 m SE of the three pit cluster. Several unmarked 4x4 wooden claim posts.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
U.S. Geological Survey, 1954 (aerial photograph 1-46), 1956 (aerial photograph 524)			

FIELD EXAMINER(S)			
D. A. Davis, 8/3/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
667 Unnamed prospect pits
OTHER NAME(S)

GEOLOGY

Pits expose highly fractured, very light gray to white diatomite commonly containing closely spaced jointing having an attitude of N36°W, 10°NE. The hills to the north consists of dark gray vesicular basalt that appears to overlie the diatomite and diatomaceous sediments. Adjacent prospect pits expose diatomite and diatomaceous sediments.

NO PROPERTY
668 Unnamed geothermal well
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Churchill	Geothermal		Geothermal

QUAD SHEET					
Hot Springs Flat					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
E½ SW¼ Sec. 13, T23N, R26E		4413670	327900	11	

PRODUCTION					

HISTORY					
Pre-1986, marked on topo map.					

DEVELOPMENT					
Unmarked geothermal well with 8" casing and 2 1/2" pipe and valve sticking up from top.					

SAMPLE SITE(S)					

REMARKS					

REFERENCES					
Garside and Schilling, 1979; Willden and Speed, 1974					

FIELD EXAMINER(S)					
D. A. Davis, 8/3/1999					

OCCURRENCE					
Geothermal					

NO PROPERTY
668 Unnamed geothermal well
OTHER NAME(S)

GEOLOGY

Bradys Hot Springs about 8 km to the south are located in Quaternary alluvium largely consisting of Pleistocene Lake Lahontan deposits and fan gravels, which overlie Tertiary basalt and andesite (Willden and Speed, 1974). Thermal water is found in an area of 15 to 20 sq km around this area. The thermal area is elongate parallel to the N- to NNE-trending Thermal Fault. The thermal water is of the sodium chloride type with 2,400 ppm total dissolved solids present. The water temperature at 30 m within 2 km east and west of the springs varies between 30 and 136°C, and the reservoir temperature may be over 200°C. Extensive deposits of opaline sinter, with localized deposits of cinnabar and sulfur, are found about 1 km east of the hot springs (Garside and Schilling, 1979).

NO PROPERTY
669 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Churchill	Diatomite(?)		Sedimentary
QUAD SHEET					
Hazen					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
W½ NE¼ Sec. 10, T20N, R26E		4387000	324120	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Two shallow bulldozer cuts.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
FIELD EXAMINER(S)					
D. A. Davis, 7/27/1999					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
669 Unnamed prospect
OTHER NAME(S)

GEOLOGY

No outcrop exposed, but piles contain very light gray to whitish diatomite fragments similar to that in 650 and 651.

NO PROPERTY
670 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Diatomite(?)	Sedimentary
QUAD SHEET			
Hazen			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE½ NW¼ Sec. 15, T20N, R26E	4385660	323870	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Shallow bulldozer cut about 30-40 m long by about 5 m wide by 1 m deep.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Southern Pacific, 1964			
FIELD EXAMINER(S)			
D. A. Davis, 7/27/1999			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
670 Unnamed prospect

OTHER NAME(S)

GEOLOGY

Outcrop of laminated, very light gray to whitish diatomite. Laminations: N50°W, 32°NE. Float is commonly dark gray, vesicular basalt. Sec. 15 prospects expose large quantities of diatomite interbedded with thin pumice and tuffaceous sandstone beds (Southern Pacific, 1964).

NO PROPERTY
671 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Diatomite(?)	Sedimentary
QUAD SHEET			
Hazen			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW½ SW¼ Sec. 9, T20N, R26E	4386220	321570	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Unmarked 4x4 wooden claim posts marking outcrop as prospect.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
FIELD EXAMINER(S)			
D. A. Davis, 7/27/1999			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
671 Unnamed prospect

OTHER NAME(S)

GEOLOGY

Outcrop on east side of small drainage covering less than 1000 sq. m. of laminated, very light gray to whitish diatomite interbedded with several layers of coarse-grained tuffaceous sedimentary rock apparently overlain by dark gray, locally vesicular basalt. Bedding: N35°E, 14°NW.

NO PROPERTY
672 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Gravel	Sedimentary

QUAD SHEET			
Hazen			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SW¼ Sec. 30, T20N, R25E	4381460	318390	11

PRODUCTION			
Small			

HISTORY			
Post-1985.			

DEVELOPMENT			
Gravel pit and crusher. 1999 - active.			

SAMPLE SITE(S)			

REMARKS			
Same as 255(?).			

REFERENCES			
Moore, 1969			

FIELD EXAMINER(S)			
D. A. Davis 7/15/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
672 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in alluvial fan sediments.

NO PROPERTY
673 Hazen Pit
OTHER NAME(S)
Unnamed gravel pit

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Churchill	Gravel		Sedimentary

QUAD SHEET					
Hazen					

OWNERSHIP					

PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE1¼ SE1¼ Sec. 29, T20N, R25E		4381040	321050	11	

PRODUCTION					
Small					

HISTORY					
Pit started before 1954. 1980: Operated by Robert L. Helms Construction Co.					

DEVELOPMENT					
Gravel pit covering about 7 ha. on topographic map.					

SAMPLE SITE(S)					

REMARKS					

REFERENCES					
Moore, 1969; Nevada State Inspector of Mines, 1981; U.S. Geological Survey, 1954 (aerial photograph 1-40), 1974 (aerial photograph 3-130)					

FIELD EXAMINER(S)					
Not examined during this study.					

OCCURRENCE					
Nonmetallic					

NO PROPERTY

673 Hazen Pit

OTHER NAME(S)

Unnamed gravel pit

GEOLOGY

Detailed geology is uncertain, but pit is in alluvial fan sediments.

NO PROPERTY
674 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Gravel	Sedimentary
QUAD SHEET			
Fernley East			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW ¼ Sec. 11, T19N, R25E	4377460	315440	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Several bulldozer cuts exposed less than 1 ha. with several smaller cuts nearby.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
FIELD EXAMINER(S)			
D. A. Davis, 7/15/1999			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
674 Unnamed prospect

OTHER NAME(S)

GEOLOGY

Probably impure diatomite interbedded with soil(?). About 60 m southwest of prospect, there is a sharp contact (fault(?)) between diatomaceous sediments and dark gray, locally vesicular basalt. Contact strikes about N30°W with basalt on southwest side.

NO PROPERTY
675 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Storey	Gravel	Sedimentary
QUAD SHEET			
Patrick			
OWNERSHIP			
Oxborrow (1999)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SW ¼ Sec. 11, T19N, R21E	4378540	276520	11
PRODUCTION			
Small(?)			
HISTORY			
Pit started between 1964 and 1974.			
DEVELOPMENT			
Open pit covering about 0.4 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Nevada Air National Guard, 1964 (aerial photograph 3-44); Nevada Air National Guard, 1964 (aerial photograph 3-44)			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
675 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain. Pit is in Quaternary alluvium consisting of stream deposits, talus, slope wash, alluvial fan, and eolian deposits.

NO PROPERTY
676 Patrick pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Storey	Sand, gravel	Sedimentary

QUAD SHEET
Patrick

OWNERSHIP
Granite Construction Co., Inc. (1999)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ SE¼ Sec. 31, T20N, R22E	4380860	280540	11

PRODUCTION

HISTORY
Pit started between 1986 and 1993. Active in 1999.

DEVELOPMENT
Open pit

SAMPLE SITE(S)

REMARKS
See 187.

REFERENCES
Bell and Bonham, 1987; Bonham and Papke, 1969; Nevada Department of Transportation, 1988 (aerial photograph 12-5); U.S. Geological Survey, 1993 (aerial photograph 7388-12)

FIELD EXAMINER(S)
D. A. Davis, 8/26/1999

OCCURRENCE
Nonmetallic

NO PROPERTY

676 Patrick pit

OTHER NAME(S)

GEOLOGY

The pit is in Quaternary alluvium and flood plain deposits of the Truckee River, which in the Vista quadrangle consist of light gray to dark brown silt, sandy silt, and clayey silt with local lenses of well-rounded cobble gravel. This material is derived from mainstream and overbank deposition by the Truckee River.

NO PROPERTY
677 Unnamed pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Gravel(?)	Sedimentary

QUAD SHEET			
Vista			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ NW¼ Sec. 23, T20N, R20E	4385200	267210	11

PRODUCTION
Small

HISTORY
Pit started between 1972 and 1977. 1991: housing subdivision being built.

DEVELOPMENT
Open pit covering about 1.5 ha in 1977. 1999: housing subdivision covers site.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Bonham, 1987; Bryan and others, 1994; Nevada Air National Guard, 1991; Nevada Department of Transportation, 1977 (aerial photograph 20-20) , 1985a (aerial photograph 7-7); Slemmons, 1972 (aerial photograph 960); Washoe County Assessor, 2005

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
677 Unnamed pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is largely in Quaternary alluvial fan deposits of the Pah Rah Range, consisting of gray silty, pebbly sand and brown sandy pebbly, cobbly, and boulder gravel.

NO PROPERTY
678 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Sand	Sedimentary

QUAD SHEET			
Vista			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ NW¼ Sec. 25, T20N, R20E	4383450	268850	11

PRODUCTION
Small

HISTORY
Pit started between 1964 and 1966. 1999: Beginning construction of a housing subdivision.

DEVELOPMENT
Open pit covering about 4 ha in 1972. 2005: Under a housing subdivision.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Bonham, 1987; Nevada Air National Guard, 1964 (aerial photograph 1-5); U.S. Geological Survey, 1966, (aerial photograph 1-103), 1999 (aerial photograph 11547-71); Washoe County Assessor, 2005

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
678 Unnamed sand pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in Quaternary eolian deposits of light brown, well-sorted, medium-grained sand.

NO PROPERTY
679 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Gravel	Sedimentary

QUAD SHEET			
Vista			

OWNERSHIP			
Sparks Reno Partnership, LP (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ Sec. 2, T19N, R20E	4380200	268350	11

PRODUCTION
Small(?)

HISTORY
Pit started between 1959 and 1964. Post-1959. 1964: pit is in existence and is active. 1972: appears inactive. Between 1982-85: commercial buildings built on site.

DEVELOPMENT
Open pit covering about 2 ha in 1972.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell and Bonham, 1987; Nevada Air National Guard, 1964 (aerial photograph 1-4); Nevada Department of Transportation, 1985a (aerial photograph 7-7); Slemmons, 1972 (aerial photograph 154); Washoe County Assessor, 2005, APN 3732003

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
679 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is largely in Quaternary alluvial fan deposits of the Pah Rah Range consisting of gray silty, pebbly sand and brown sandy pebbly, cobbly, and boulder gravel. East side of pit is against Tertiary Lousetown Formation, consisting of dark gray to black flows of andesite, basaltic andesite, and basalt.

NO PROPERTY
680 Unnamed pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Aggregate(?)	Igneous
QUAD SHEET			
Vista			
OWNERSHIP			
City of Sparks (2005)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ SE¼ Sec. 2, T19N, R20E	4379740	268200	11
PRODUCTION			
Small(?)			
HISTORY			
Pit and associated buildings constructed between 1959 and 1964. Appears inactive in 1972 and partly reclaimed by 1977. 1985: Horsemens Park covers most of site.			
DEVELOPMENT			
Open pit covering about 10 ha in 1972. 1999: several commercial buildings at site.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bell and Bonham, 198; Nevada Air National Guard, 1964 (aerial photograph 1-3); Nevada Department of Transportation, 1959a (aerial photograph 26-1), 1977 (aerial photograph 23-7), Nevada Department of Transportation, 1985a (aerial photograph 7-7); Slemmons			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
680 Unnamed pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is largely in Tertiary Kate Peak Formation, consisting of largely porphyritic dacite and rhyoldacite flows, domes, pyroclastic flows, lahars, plugs, dikes, air-fall tuff, and tuffaceous sedimentary rocks.

NO PROPERTY
681 Truckee River Pit

OTHER NAME(S)
Unnamed gravel pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET			
Wadsworth			

OWNERSHIP			
Pyramid Lake Indian Reservation (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ NE¼ Sec. 33, T21N, R24E	4390660	303460	11

PRODUCTION			
Small			

HISTORY			
Pit started between 1974 and 1977. 1977: Operated by Wadsworth Aggregate. 1979 and later: appears inactive.			

DEVELOPMENT			
Open pit covering about 2.5 ha. in 1977.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bell, 1979 (aerial photograph 1-24); Bonham and Papke, 1969; Nevada Department of Transportation, 1977 (aerial photograph 18-18) ; Nevada State Inspector of Mines, 1978; U.S. Geological Survey, 1974 (aerial photograph 2-41); Washoe County Assessor, 2005			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
681 Truckee River Pit

OTHER NAME(S)
Unnamed gravel pit

GEOLOGY

Detailed geology is uncertain but is in Quaternary alluvium consisting of stream deposits, talus, slope wash, and alluvial fan deposits (Bonham and Papke, 1969).

NO PROPERTY
682 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET
Wadsworth

OWNERSHIP
Pyramid Lake Indian Reservation (2005)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ SE¼ Sec. 34, T21N, R24E	4390150	305000	11

PRODUCTION
Small

HISTORY
Pit started between 1977 and 1979.

DEVELOPMENT
Open pit covering about 0.5 ha. in 1977.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bell, 1979 (aerial photograph 1-24); Bonham and Papke, 1969; Nevada Department of Transportation, 1977 (aerial photograph 18-18); Washoe County Assessor, 2005, APN 7918042

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
682 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain but is in Quaternary alluvium consisting of stream deposits, talus, slope wash, and alluvial fan deposits (Bonham and Papke, 1969).

NO PROPERTY
683 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET			
Wadsworth			

OWNERSHIP			
King Construction, Inc. (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 3, T20N, R24E	4389690	305020	11

PRODUCTION			
Small			

HISTORY			
Pit started between 1959 and 1968. 1968: pit in existence - inactive(?). 1977: appears inactive.			

DEVELOPMENT			
Open pit covering about 1 ha. in 1977.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bonham and Papke, 1969; Nevada Department of Transportation, 1959c (aerial photograph 10-1), 1977 (aerial photograph 18-18) ; U.S. Air Force, 1968 (aerial photograph 026); Washoe County Assessor, 2005, APN 8415017			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
683 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain but is in Quaternary alluvium consisting of stream deposits, talus, slope wash, and alluvial fan deposits (Bonham and Papke, 1969).

NO PROPERTY
684 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET
Wadsworth

OWNERSHIP
Pyramid Lake Indian Reservation (2005)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SW¼ Sec. 6, T21N, R24E	4398120	299760	11

PRODUCTION
Small

HISTORY
Pit started between 1954 and 1956.

DEVELOPMENT
Open pit covering about 1 ha. in 1956.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Papke, 1969; U.S. Geological Survey, 1954 (aerial photograph 2-103), 1956 (aerial photograph 303); Washoe County Assessor, 2005, APN 7918042

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
684 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain but is in Quaternary lake deposits consisting of clay, silt, sand, gravel and calcareous tufa (Bonham and Papke, 1969).

NO PROPERTY
685 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SW¼ Sec. 31, T20N, R20E	4381570	260460	11

PRODUCTION			
Small(?)			

HISTORY			
Pre-1939. 1939: House and other structures at site, and likely no longer used as pit. 1967: House, fences, corals, and trash.			

DEVELOPMENT			
Small cut into hillside covering less than 0.5 ha. in 1967.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bonham and Bingler, 1973; Nevada Department of Transportation, 1967 (aerial photograph 8-1); U.S. Forest Service, 1939 (aerial photograph 18-22); U.S. Geological Survey, 1956 (aerial photograph 230); Garside and Niles, 1999			

FIELD EXAMINER(S)			
L.J. Garside, 1997			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
685 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain but is in Quaternary alluvial fan depsoits of Peavine Mountain consisting of poorly sorted pale yellow to reddish brown, montmorillonitic, gravelly, to sandy and clayey silt, commonly containing white silicified andesite fragments (Bonham and Bingler, 1973).

NO PROPERTY
686 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Sand	Sedimentary
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
Martin Marietta Materials (2004)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ Sec. 15, T21N, R20E	4395600	266410	11
PRODUCTION			
Small(?)			
HISTORY			
Post 1968. Between 1985-91, became part of Rocky Ridge pit (179).			
DEVELOPMENT			
Small pit covering less than 0.5 ha. in 1974.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Nevada Air National Guard, 1991; Nevada Department of Transportation, 1985a (aerial photograph 1-6); U.S. Air Force, 1968 (aerial photograph 029); U.S. Geological Survey, 1974 (aerial photograph 1-65); Garside and Niles, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 1997			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
686 Unnamed sand pit
OTHER NAME(S)

GEOLOGY

The pit was probably developed for sand that was eroded from nearby granitic rock units and deposited on the alluvial apron.

NO PROPERTY
687 Spanish Springs Pit

OTHER NAME(S)
Unnamed sand pit

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
McClellan	Washoe	Sand, top soil	Sedimentary
QUAD SHEET			
Griffith Canyon			
OWNERSHIP			
Seaberry DePaoli Landscaping (1977)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ Sec. 22, T21N, R20E	4395400	266370	11
PRODUCTION			
Small(?)			
HISTORY			
Pit started between 1968 and 1974. 1976-1979: Operated by Seaberry DePaoli Landscaping.			
DEVELOPMENT			
Small pit covering about 1 ha. in 1974.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Papke, 1969; Nevada State Inspector of Mines, 1977, 1978, 1979, 1980; U.S. Air Force, 1968 (aerial photograph 029); U.S. Geological Survey, 1974 (aerial photograph 1-65)			
FIELD EXAMINER(S)			
.L.J. Garside, 1997			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
687 Spanish Springs Pit

OTHER NAME(S)
Unnamed sand pit

GEOLOGY

The pit was probably developed for sand that was eroded from nearby granitic rock units and deposited on the alluvial apron.

NO PROPERTY
688 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Storey	Gravel	Sedimentary

QUAD SHEET			
Derby Dam			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SE¼ Sec. 26, T20N, R22E	4382240	287000	11

PRODUCTION
Small(?)

HISTORY
Several shallow trenches dug between 1956 and 1959. Pit was started between 1959 and 1968. 1968: pit in existence and partially water-filled - inactive.

DEVELOPMENT
Pit covering about 3.5 ha. with some water in the bottom.

SAMPLE SITE(S)

REMARKS

REFERENCES
Rose, 1969; Nevada Department of Transportation, 1959a, (aerial photograph 1-1), 1959b, (aerial photograph 1-10); U.S. Air Force, 1968 (aerial photograph 029); U.S. Geological Survey, 1956 (aerial photograph 225)

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
688 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain but pit is in Quaternary alluvium near the Truckee River, consisting of unconsolidated material commonly containing much coarse volcanic and granitic debris derived from the Sierra Nevada.

NO PROPERTY
689 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Gravel	Sedimentary

QUAD SHEET			
Sutcliffe			

OWNERSHIP			
Pyramid Lake Indian Reservation			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
N½ NW¼ Sec. 26, T24N, R21E	4422540	278400	11

PRODUCTION			
Small			

HISTORY			
Post 1956. 1974: pit covers less than 1 ha.			

DEVELOPMENT			
Open pit.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bonham and Papke, 1969; U.S. Geological Survey, 1956 (aerial photograph 624), 1974 (aerial photograph 1-98)			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
689 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in Quaternary lake deposits consisting of clay, silt, sand, gravel, and calcareous tufa.

NO PROPERTY
690 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Peavine		Washoe	Gravel		Sedimentary
QUAD SHEET					
Reno NW					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ NE¼ Sec. 1, T20N, R18E		4391050	250860	11	
PRODUCTION					
Small					
HISTORY					
Post 1956. 1966: one pit in existence and appears active. 1971: building and 3 pits and appears active. 1980, 1985: Pits appear abandoned. 1993: pits obliterated by housing subdivision.					
DEVELOPMENT					
3 open pits. 1971: 0.5 ha., 1.5 ha., 0.5 ha.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
Bell, 1980 (aerial photograph 1-950); Soeller sand Nielson, 1980; Nevada Department of Transportation, 1971 (aerial photograph 38-2), 1985a (aerial photograph 8-3); U.S. Geological Survey, 1956 (aerial photograph 502), 1966 (aerial photograph 2-35), 1993					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
690 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in Quaternary alluvial-fan deposits of Peavine Mountain, which consist of semi-lithified, poorly-bedded and poorly sorted reddish-brown and dark yellowish orange, slightly muddy sandy pebble to cobble gravel the clasts of which are predominantly white altered andesite.

NO PROPERTY
691 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW¼ Sec. 21, T19N, R19E	4376030	254430	11

PRODUCTION			
Small			

HISTORY			
Pre-1939. 1939: one pit and adjacent cut that appear inactive. 1977: Pit still exists. 1980: Pit covered by houses in development.			

DEVELOPMENT			
Open pit and adjacent cut covering less than 0.5 ha.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bell, 1980 (aerial photograph 1-139); Bonham and Bingler, 1973; Nevada Department of Transportation, 1977 (aerial photograph 17-2) ; U.S. Forest Service, 1939 (aerial photograph 17-59)			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
691 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but pit is in Tertiary Sandstone of Hunter Creek consisting of pale brown to gray brown and greenish-gray, prominently bedded, interlayered siltstone, silty sandstone, and sandy conglomerate.

NO PROPERTY
692 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand	Sedimentary
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 9, T20N, R19E	4389320	255290	11
PRODUCTION			
Small(?)			
HISTORY			
Post 1956. Pre-1967.			
DEVELOPMENT			
One sand pit which covers less than 0.5 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Bingle, 1973; U.S. Geological Survey, 1956 (aerial photograph 501)			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
692 Unnamed sand pit
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Quaternary alluvium consisting of weathered granitic sand.

NO PROPERTY
693 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand	Sedimentary
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SW¼ Sec. 3, T20N, R19E	4389590	255870	11
PRODUCTION			
Small(?)			
HISTORY			
Post 1956. Pre-1967.			
DEVELOPMENT			
One sand pit which covers less than 0.5 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Bingle, 1973; U.S. Geological Survey, 1956 (aerial photograph 501)			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
693 Unnamed sand pit
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Quaternary alluvium consisting of weathered granitic sand.

NO PROPERTY
694 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand	Sedimentary
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
E½ SW¼ Sec. 5, T19N, R19E	4380090	252960	11
PRODUCTION			
Small(?)			
HISTORY			
Pre-1946. 1985: Pit still in existence but inactive. 1991: Pit obliterated by housing development.			
DEVELOPMENT			
One sand pit which covers less than 1 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Binger, 1973; Nevada Air National Guard, 1991; Nevada Department of Transportation, 1985a (aerial photograph 6-3); U.S. Geological Survey, 1946 (aerial photograph 2-89)			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
694 **Unnamed gravel pit**

OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Tertiary Sandstone of Hunter Creek consisting of pale brown to gray brown and greenish gray, prominently bedded, interlayered sandstone, silty sandstone, and sandy conglomerate.

NO PROPERTY
695 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand	Sedimentary
QUAD SHEET			
Reno			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ NE¼ Sec. 8, T19N, R19E	4379100	253570	11
PRODUCTION			
Small(?)			
HISTORY			
Post 1946. 1985: Pit still in existence but inactive. 1991: Pit obliterated by housing development.			
DEVELOPMENT			
One sand pit which covers less than 1 ha.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
Bonham and Bingle, 1973; Nevada Air National Guard, 1991; Nevada Department of Transportation, 1985a (aerial photograph 6-3); U.S. Geological Survey, 1946 (aerial photograph 2-89)			
FIELD EXAMINER(S)			
Not examined during this study.			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
695 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Tertiary Sandstone of Hunter Creek consisting of pale brown to gray brown and greenish gray, prominently bedded, interlayered sandstone, silty sandstone, and sandy conglomerate.

NO PROPERTY
696 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Peavine	Washoe	Sand	Sedimentary

QUAD SHEET			
Reno			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SW¼ Sec. 10, T19N, R19E	4378810	256230	11

PRODUCTION
Small(?)

HISTORY
Pre-1939. 1966: Pit covering about 6 ha., active(?). 1972: East half is a trailer park, and west half is active pit containing equipment. 1993: West half pit still exists, active(?).

DEVELOPMENT
One sand pit which covers about 3 ha.

SAMPLE SITE(S)

REMARKS

REFERENCES
Bonham and Bingler, 1973; Nevada Department of Transportation, 1985a (aerial photograph 6-3); Slemmons, 1972 (aerial photograph 1); U.S. Forest Service, 1939 (aerial photograph 18-23); U.S. Geological Survey, 1966 (aerial photograph 1-160), 1994 (aerial p

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Nonmetallic

NO PROPERTY
696 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is unknown, but pit is located in Quaternary Gravel of Reno consisting of slightly cemented, moderately well-sorted sandy cobble gravel.

NO PROPERTY
697 Unnamed marl deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Marl	Sedimentary

QUAD SHEET			
Nixon			

OWNERSHIP			
Pyramid Lake Indian Reservation			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NE ¼ Sec. 12, T22N, R23E	4406950	298890	11

PRODUCTION
None

HISTORY
The deposit was visited by F. Humphrey and several others in 1945 for the Nevada Bureau of Mines. Two samples were taken, one each from the lower and upper zones. The deposit was considered too small to justify more extensive work.

DEVELOPMENT

SAMPLE SITE(S)

REMARKS
Located on Pyramid Lake Indian Reservation

REFERENCES
Humphrey, 1945; Russell, 1885

FIELD EXAMINER(S)
F. Humphrey, 1945

OCCURRENCE
Nonmetallic

NO PROPERTY
697 Unnamed marl deposit
OTHER NAME(S)

GEOLOGY

Deposit is about 12 m thick and covers an area of at least 0.4 hectares with half the area covered by about 1 m of overburden. The deposit consists of a lower zone of sand and small calcareous shells, a middle zone of sand and shore gravels, and an upper 2.5-3-meter-thick zone of marl. The CaO content of the lower zone is too low to be of any value, but the CaO content of the upper zone was high.

NO PROPERTY
698 Gold Center claim
OTHER NAME(S)
Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal

QUAD SHEET
Moses Rock

OWNERSHIP
J. Miraman and Gabriel Lafaye (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec., 22, T23N, R21E	4413320	277100	11

PRODUCTION
None

HISTORY

DEVELOPMENT
One of 15 claims making up the "Adeline Mines".

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bonham and Papke, 1969; Boyle, undated a

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
698 Gold Center claim

OTHER NAME(S)
Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
699 La Marche Extension

OTHER NAME(S)
Adeline Mines; Adeline Group

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Au		High sulfidation epithermal
QUAD SHEET					
Moses Rock					
OWNERSHIP					
J. Miraman and Gabriel Lafaye (1914)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ Sec., 22, T23N, R21E		4413480	276940	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
One of 15 claims making up the "Adeline Mines".					
SAMPLE SITE(S)					
REMARKS					
UTMs from center of claim.					
REFERENCES					
Bonham and Papke, 1969; Boyle, undated a					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
699 La Marche Extension

OTHER NAME(S)
Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
700 Maggie claim
OTHER NAME(S)
Adeline Mines; Adeline Group

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Pyramid		Washoe	Au		High sulfidation epithermal
QUAD SHEET					
Moses Rock					
OWNERSHIP					
J. Miraman and Gabriel Lafaye (1914)					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SW¼ Sec., 22, T23N, R21E		4413250	276380	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
One of 15 claims making up the "Adeline Mines".					
SAMPLE SITE(S)					
REMARKS					
UTMs from center of claim.					
REFERENCES					
Bonham and Papke, 1969; Boyle, undated a					
FIELD EXAMINER(S)					
Not examined during this study.					
OCCURRENCE					
Metallic					

NO PROPERTY
700 Maggie claim
OTHER NAME(S)
Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
701 Montezuma claim
OTHER NAME(S)
Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal

QUAD SHEET
Moses Rock

OWNERSHIP
J. Miraman and Gabriel Lafaye (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec., 22, T23N, R21E	4413420	276180	11

PRODUCTION
None

HISTORY

DEVELOPMENT
One of 15 claims making up the "Adeline Mines".

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bonham and Papke, 1969; Boyle, undated a

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
701 Montezuma claim

OTHER NAME(S)
Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
702 Morning Star claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal

QUAD SHEET			
Moses Rock			

OWNERSHIP			
J. Miraman and Gabriel Lafaye (1914)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec., 22, T23N, R21E	4413680	276280	11

PRODUCTION			
None			

HISTORY			

DEVELOPMENT			
Drawn with but not part of Adeline Mines group.			

SAMPLE SITE(S)			

REMARKS			
UTMs from center of claim.			

REFERENCES			
Bonham and Papke, 1969; Boyle, undated a, undated b			

FIELD EXAMINER(S)			
Not examined during this study.			

OCCURRENCE			
Metallic			

NO PROPERTY
702 **Morning Star claim**
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff. A 15 m wide "zone of alteration" reportedly trends about southeast down the long axis of the claim.

NO PROPERTY
703 Mountain Bell Extension

OTHER NAME(S)
Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal

QUAD SHEET
Moses Rock

OWNERSHIP
J. Miraman and Gabriel Lafaye (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ Sec., 22, T23N, R21E	4413700	276960	11

PRODUCTION
None

HISTORY

DEVELOPMENT
One of 15 claims making up the "Adeline Mines".

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bonham and Papke, 1969; Boyle, undated a

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
703 Mountain Bell Extension

OTHER NAME(S)
Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
704 Providence Extension

OTHER NAME(S)
Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal

QUAD SHEET
Moses Rock

OWNERSHIP
J. Miraman and Gabriel Lafaye (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec., 21, SW¼ Sec., 22, T23N,	4414410	275840	11

PRODUCTION
None

HISTORY

DEVELOPMENT
One of 15 claims making up the "Adeline Mines". Topographic map shows a prospect not shown on Boyle (undated b). Wet prospect (see 208) is within boundaries of Providence Extension.

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bonham and Papke, 1969; Boyle, undated b

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
704 Providence Extension

OTHER NAME(S)
Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
705 Rockefeller claim
OTHER NAME(S)
Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal

QUAD SHEET
Moses Rock

OWNERSHIP
J. Miraman and Gabriel Lafaye (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec., 22, T23N, R21E	4413340	276570	11

PRODUCTION
None

HISTORY

DEVELOPMENT
One of 15 claims making up the "Adeline Mines".

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bonham and Papke, 1969; Boyle, undated a

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
705 Rockefeller claim

OTHER NAME(S)
Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
706 Venus Fraction
OTHER NAME(S)
Adeline Mines; Adeline Group

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au	High sulfidation epithermal

QUAD SHEET
Moses Rock

OWNERSHIP
J. Miraman and Gabriel Lafaye (1914)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ and SW¼ Sec., 22, T23N, R21	4413940	275900	11

PRODUCTION
None

HISTORY

DEVELOPMENT
One of 15 claims making up the "Adeline Mines". Overlaps Gracie, French Gulch, and La Cruse claims and La Cruse Extension.

SAMPLE SITE(S)

REMARKS
UTMs from center of claim.

REFERENCES
Bonham and Papke, 1969; Boyle, undated a, undated b, undated c

FIELD EXAMINER(S)
Not examined during this study.

OCCURRENCE
Metallic

NO PROPERTY
706 Venus Fraction
OTHER NAME(S)
Adeline Mines; Adeline Group

GEOLOGY

Detailed geology is uncertain, but claim is in Miocene tuff of Perry Canyon, which consists of commonly propylatized dacite ash-flow tuff.

NO PROPERTY
709 Campbell adit

OTHER NAME(S)

Burrus-Campbell Mine; Burris Mine; Perry Mine(?)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Pyramid	Washoe	Au, Cu	High-sulfidation epithermal
QUAD SHEET			
Moses Rock			
OWNERSHIP			
University of Nevada, Reno			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SW¼ Sec. 15, T23N, R21E	4415240	276400	11
PRODUCTION			
Estimated (Burrus-Campbell combined): 1,819 short tons (1,616 tons from Burrus, 203 tons from Campbell) of ore of which 1,354 tons was copper ore producing 37,912 lbs.			
HISTORY			
Secs. 15 and 22 purchased by Thomas and Mabel Burrus from Washoe Treasurer in 1949. Mined property in 1950's. UNR acquired property in 1990's.			
DEVELOPMENT			
35 m Campbell adit with 12 m stope, a shallow shaft, 240 m Burris shaft with at least three levels, building, ore bin, and 40 acres patented land.			
SAMPLE SITE(S)			
REMARKS			
See Burrus Mine, 81.			
REFERENCES			
Bonham and Papke, 1969; Garside and others, 2003; Ivošević, 1970; Tingley and others, 1999; Wallace, 1975;			
FIELD EXAMINER(S)			
L.J. Garside, 5/22/1986			
OCCURRENCE			
Metallic			

NO PROPERTY
709 Campbell adit

OTHER NAME(S)

Burrus-Campbell Mine; Burris Mine; Perry Mine(?)

GEOLOGY

Host rock is altered tuff of Perry Canyon, dacite ash-flow tuff. Adit was driven along the unmineralized "Campbell No. 1 structure." Copper and gold were removed from a limonitic brecciated zone within two bounding faults.

NO PROPERTY
710 Krystal Tips Mine
OTHER NAME(S)
Krystal Tips Mine No. 2; Crystal Tips Mine

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Quartz crystals	Vein
QUAD SHEET			
Dogskin Mtn.			
OWNERSHIP			
Hallman Foster (2004)			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Secs. 5, 6, and 7, T23N, R18E	4418300	243670	11
PRODUCTION			
Small			
HISTORY			
Originally located by Jon Johnson, June 1, 1985. Re-located by Hallman Foster, September 2, 1997. Surface disturbances started between 1980 and 1993. People pay to dig for quartz crystals.			
DEVELOPMENT			
Bulldozer scrapes.			
SAMPLE SITE(S)			
REMARKS			
Location taken from surface disturbance on U.S. Geological Survey (1999)			
REFERENCES			
Bell, 1980 (aerial photograph 1-968); Bonham and Papke, 1969; LaPointe, 2002; Nevada State Inspector of Mines, 2001, 2002, 2004; U.S. Bureau of Land Management, 1997b; U.S. Geological Survey, 1993 (aerial photograph 6202-149), 1999 (aerial photograph 1155)			
FIELD EXAMINER(S)			
Not examined during this study			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
710 Krystal Tips Mine

OTHER NAME(S)
Krystal Tips Mine No. 2; Crystal Tips Mine

GEOLOGY

Quartz crystals are developed in open cavities in granodiorite. Crystals include smoky, citrine, milky, and clear quartz and rare amethyst.

NO PROPERTY
711 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Washoe	Sand, gravel	Sedimentary

QUAD SHEET
Patrick

OWNERSHIP
Nevada Deaprtment of Transportation (2005) (?)

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 31, T20N, R22E	4381820	280680	11

PRODUCTION
Very small

HISTORY
Pit started between 1954 and 1956 and never enlarged afterwards.

DEVELOPMENT
Small pit covering less than 0.05 ha.

SAMPLE SITE(S)

REMARKS

REFERENCES
U.S. Geological Survey, 1954 (aerial photograph 4-42), 1956 (aerial photograph 227); Washoe County Assessor, 2005, APN 8419103

FIELD EXAMINER(S)
Not examined during this study

OCCURRENCE
Nonmetallic

NO PROPERTY
711 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

The pit is in an area of Lahontan beach sand and Quaternary alluvium and flood plain deposits of the Truckee River, which in the Vista topographic quadrangle consist of light gray to dark brown silt, sandy silt, and clayey silt with local lenses of well-rounded cobble gravel.

NO PROPERTY
712 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Clark	Washoe	Sand, gravel	Sedimentary

QUAD SHEET			
Patrick			

OWNERSHIP			
U.S. Bureau of Land Management (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NE ¼ Sec. 10, T19N, R21E	4378560	275740	11

PRODUCTION			
Small			

HISTORY			
Pit started before 1940			

DEVELOPMENT			
Pit covering about 1.5 ha.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bonham and Papke, 1969; Fairchild Aerial Surveys, 1940 (aerial photograph 298); Washoe County Assessor, 2005, APN 8417205			

FIELD EXAMINER(S)			
Not examined during this study			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
712 Unnamed gravel pit
OTHER NAME(S)

GEOLOGY

Detailed geology is uncertain. Pit is in Quaternary alluvium consisting of stream deposits, talus, slope wash, alluvial fan, and eolian deposits.

NO PROPERTY
713 Unnamed gravel pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Gravel	Sedimentary

QUAD SHEET			
Vista			

OWNERSHIP			
Granite Construction Co. (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ Sec. 17, T19N, R21E	4376650	271420	11

PRODUCTION			
Small			

HISTORY			
A small existed before 1946. Main pit constructed between 1946 and 1954. Appeared active in 1954. 1999: Part of the Lockwood Quarry (see 578).			

DEVELOPMENT			
Open pit.			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bell and Bonham, 1987; U.S. Geological Survey, 1946 (aerial photograph 2-84), 1954 (aerial photograph 3-3), 1999 (aerial photograph 11546-16); Washoe County Assessor, 2005, APN 8407019			

FIELD EXAMINER(S)			
D. A. Davis, 8/19/1999			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
713 **Unnamed gravel pit**
OTHER NAME(S)

GEOLOGY

The pit is in Quaternary alluvial fan deposits, consisting of brown sandy to boulder gravel.

NO PROPERTY
714 Materials Testing Pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Sand, gravel	Sedimentary

QUAD SHEET			
Patrick			

OWNERSHIP			
The Rockland Group, LLC (2005)			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ Sec. 27, T20N, R22E	4383240	284540	11

PRODUCTION			

HISTORY			
2005: Pit started			

DEVELOPMENT			
Open pit			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Bonham and Papke, 1969; D. Bryan, oral communication, 2005; Washoe County Assessor, 2005, APN 8412025			

FIELD EXAMINER(S)			
Not examined during this study			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
714 **Materials Testing Pit**
OTHER NAME(S)

GEOLOGY

The pit is in Quaternary alluvium and flood plain deposits of the Truckee River.

NO PROPERTY
715 Unnamed sand pit
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Lyon	Sand		Sedimentary
QUAD SHEET					
Fernley West					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ SW ¼ SE ¼ Sec. 3, T20N, R24E		4388206	305259	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Pit of about 0.4 ha					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
FIELD EXAMINER(S)					
L.J. Garside, 2005					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
715 **Unnamed sand pit**
OTHER NAME(S)

GEOLOGY

Sand and some gravel has been mined from a pit about 800 m northeast of the cement plant at Fernley. The pit is in Holocene terrace deposits of the Truckee River (Bell and others, 2005).

NO PROPERTY
716 Locality RSL167
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Stateline		Washoe	U?		Unknown
QUAD SHEET					
Seven Lakes Mtn					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ NW¼ Sec. 3, T24N, R18E		4429481	247691	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Prospect pit and short, partly caved adit.					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
FIELD EXAMINER(S)					
L.J. Garside, 11/22/05					
OCCURRENCE					
Metallic					

NO PROPERTY
716 Locality RSL167
OTHER NAME(S)

GEOLOGY

A short adit and nearby prospect pit explore Oligocene ash-flow tuff (tuff of Axehandle Canyon?) where it lies on mafic Mesozoic metavolcanic rocks. No obvious mineralization was observed, and samples are not anomalously radioactive and do not contain fluorescent minerals. The prospect could have been explored for U, but no evidence of such mineralization was seen.

NO PROPERTY
717 Locality RSL168
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE	
Stateline Peak		Washoe	Cu		Contact metasomatic	
QUAD SHEET						
Seven Lakes Mtn						
OWNERSHIP						
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE		
SE ¼ NE ¼ Sec. 32, T25N, R18E		4430583	245603	11		
PRODUCTION						
None						
HISTORY						
DEVELOPMENT						
Bulldozer cut						
SAMPLE SITE(S)						
REMARKS						
REFERENCES						
FIELD EXAMINER(S)						
L.J. Garside, 11/22/2005						
OCCURRENCE						
Metallic						

NO PROPERTY
717 Locality RSL168
OTHER NAME(S)

GEOLOGY

Chrysocolla, malachite, and iron-oxide minerals are found as fracture coatings on dark gray Mesozoic metabasalt. Rare pyrite was observed. The wall rock nearby has local small veinlets or clots of epidote, quartz, garnet, and magnetite. No obvious structural control was seen.

NO PROPERTY
718 Locality RSL169
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE	
Stateline		washoe	Cu		Vein	
QUAD SHEET						
Seven Lakes Mtn						
OWNERSHIP						
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE		
SW NE Sec. 32, T25N, R18E		4430695	244936	11		
PRODUCTION						
None						
HISTORY						
DEVELOPMENT						
Two prospect pits						
SAMPLE SITE(S)						
REMARKS						
REFERENCES						
FIELD EXAMINER(S)						
L.J. Garside, 10/11/2005						
OCCURRENCE						
Metallic						

NO PROPERTY
718 Locality RSL169
OTHER NAME(S)

GEOLOGY

Rare chrysocolla coats fractures in vein quartz observed in float and near prospect pits in dark gray Mesozoic metabasalt. Based on the float, veins are commonly 1 to a few cm wide, locally to 15 cm; they contain sparse epidote and magnetite. Wider veins exhibit ribbon texture.

NO PROPERTY
719 Locality H05-95
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	Cu	Vein?

QUAD SHEET
Seven Lakes Mtn

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SE ¼ SE ¼ Sec. 29, T25N, R18E	4431416	245658	11

PRODUCTION
None

HISTORY

DEVELOPMENT
Prospect pit

SAMPLE SITE(S)

REMARKS

REFERENCES

FIELD EXAMINER(S)
C.D. Henry, 10/11/2005

OCCURRENCE
Metallic

NO PROPERTY
719 Locality H05-95
OTHER NAME(S)

GEOLOGY

A 2 m aplite dike cuts Mesozoic mafic metavolcanic rock. Quartz veining is also present. The aplite dike contains a rare gray sulfide mineral (tetrahedrite?) that is partly converted to colored copper-oxide minerals.

NO PROPERTY
720 Locality H05-97
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline	Washoe	Cu	Vein
QUAD SHEET			
Seven Lakes Mtn			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SE ¼ SE ¼ Sec. 29, T25N, R18E	4431495	245729	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Prospect pits			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
FIELD EXAMINER(S)			
C.D. Henry, 10/11/2005			
OCCURRENCE			
Metallic			

NO PROPERTY
720 Locality H05-97
OTHER NAME(S)

GEOLOGY

A quartz vein cuts Mesozoic mafic metavolcanic rocks. The vein also contains epidote, magnetite, trace gray sulfide(?), and limonite after pyrite(?).

NO PROPERTY
721 Waypoint 296
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Stateline Peak		Washoe			Vein
QUAD SHEET					
Seven Lakes Mtn					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NE¼ SE¼ SE¼ Sec. 29, T25N, R18E		4431633	245707	11	
PRODUCTION					
None					
HISTORY					
DEVELOPMENT					
Shallow shaft					
SAMPLE SITE(S)					
REMARKS					
Henry waypoint 296					
REFERENCES					
FIELD EXAMINER(S)					
C.D. Henry, 10/11/2005					
OCCURRENCE					
Metallic					

NO PROPERTY
721 Waypoint 296
OTHER NAME(S)

GEOLOGY

A N40°E, 73°SE, vuggy, limonitic quartz vein cuts Mesozoic mafic metavolcanic rocks. The vein also contains magnetite and tourmaline.

NO PROPERTY
722 Nixon clay deposit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Washoe	Clay	Sedimentary?

QUAD SHEET
Nixon NW

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 34, T24N, R23E	4420140	296366	11

PRODUCTION

HISTORY

DEVELOPMENT
Trenches that are now filled with sand.

SAMPLE SITE(S)

REMARKS
UTMs from center of drill holes and trenches, unpubl. map in K. Papke (NBMG) files.

REFERENCES
Papke, 1970

FIELD EXAMINER(S)
Not examined during this study

OCCURRENCE
Nonmetallic

NO PROPERTY
722 **Nixon clay deposit**
OTHER NAME(S)

GEOLOGY

Montmorillonite clay is found below sand and alluvium over an area of 550 by 125 m just west of State Highway 447. The clay has better than average swelling properties. Some samples from the deposit are bedded and contain remnant feldspar and volcanic glass (Papke, 1970).

NO PROPERTY
723 Black Mountain Mine
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Crushed stone	Igneous

QUAD SHEET			
Two Tips			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NW¼ NW¼ Sec. 32, T21N, R2	4391108	312287	11

PRODUCTION			
Unkknown amount			

HISTORY			

DEVELOPMENT			
Pit in basalt and haul road from nearby pit (no. 724)			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Nevada State Mine Inspector's List, 2004; Papke and Castor, 2003			

FIELD EXAMINER(S)			
Not examined during this study			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
723 **Black Mountain Mine**
OTHER NAME(S)

GEOLOGY

Miocene basalt flow material has been crushed to granule size for various industrial uses.

NO PROPERTY
724 Unnamed pit
OTHER NAME(S)
Black Mountain Mine?

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Churchill	Crushed stone		Igneous
QUAD SHEET					
Two Tips					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NW SE Sec. 21, T21N, R25E		4393175	313129	11	
PRODUCTION					
Unknown amount					
HISTORY					
DEVELOPMENT					
Two pits and crushing facilities					
SAMPLE SITE(S)					
REMARKS					
REFERENCES					
FIELD EXAMINER(S)					
Not examined during this study					
OCCURRENCE					
Nonmetallic					

NO PROPERTY
724 Unnamed pit
OTHER NAME(S)
Black Mountain Mine?

GEOLOGY

Miocene basalt flows are crushed and the material is hauled about 3 km to storage facilities at the Black Mountain Mine (no. 723).

NO PROPERTY
725 Name unknown
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Wedekind	Washoe	Ag	Vein

QUAD SHEET			
Vista			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE ¼ NE ¼ NW ¼ Sec. 16, T20N, R20	4387553	264456	11

PRODUCTION			

HISTORY			

DEVELOPMENT			
Numerous shallow shafts, adits, and pits			

SAMPLE SITE(S)			

REMARKS			
Reported as SE ¼ Sec. 9 by Southern Pacific Co. (1964)			

REFERENCES			
Southern Pacific Co., 1964			

FIELD EXAMINER(S)			
Not examined during this study			

OCCURRENCE			
Metallic			

NO PROPERTY
725 Name unknown
OTHER NAME(S)

GEOLOGY

Southern Pacific Co. (1964) reported a silver property at this site. Quartz veins and aplite and pegmatite dikes cut Cretaceous granite.

NO PROPERTY
726 Upper prospects, main fork big Mouth Canyon
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	au, Ag	Low-sulfidation epithermal
QUAD SHEET			
Pah Rah Mtn			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SE ¼ Sec. 17, T22N, R23E	4404900	292840	11
PRODUCTION			
Unknown			
HISTORY			
DEVELOPMENT			
Caved adit in wash; small prospect pit up slope to southwest			
SAMPLE SITE(S)			
6131, 6132			
REMARKS			
Large dump at mouth of completely caved adit in wash. Sample 6131, prospect pit; 6132, adit dump			
REFERENCES			
Tingley and Garside, 1999			
FIELD EXAMINER(S)			
J.V. Tingley, 4/13/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
726 Upper prospects, main fork big Mouth Canyon
OTHER NAME(S)

GEOLOGY

No visible outcrop at adit, which may have been driven west to intersect a silicified ledge. The small prospect upslope is about 3 m deep, and exposes a N40°W, 90° to 80°NE silicified zone in silicified and bleached ash-flow tuff. Sample 6131 is white and vitreous quartz vein material, with iron oxides; it includes some altered tuff. Sample 6132 is a dump sample of silicified dacitic ash-flow tuff with clear and white vein quartz.

NO PROPERTY

727 BG claims

OTHER NAME(S)

Sample site 6136

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal
QUAD SHEET			
Pah Rah Mtn			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW¼ Sec. 17, T22N, R23E	4405600	292200	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Dump at caved adit on north side of canyon; small timbered adit or dugout on south side			
SAMPLE SITE(S)			
6136			
REMARKS			
REFERENCES			
Tingley and Garside, 1999			
FIELD EXAMINER(S)			
J.V. Tingley, 4/14/1999			
OCCURRENCE			
Metallic			

NO PROPERTY

727 BG claims

OTHER NAME(S)

Sample site 6136

GEOLOGY

Ash-flow tuffs are cut by a silicified shear zone, N60-70°W, 90°. Sample 6136 is reported to be quartz vein material with pyrite, possibly a hydrothermal breccia (Tingley and Garside, 1999).

NO PROPERTY
728 Sample site 6137
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal

QUAD SHEET			
Pah Rah Mtn			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ NW ¼ Sec. 17, T22N, R23E	4405580	292085	11

PRODUCTION			

HISTORY			

DEVELOPMENT			
Narrow, timbered adit that runs N50°E for about 8 m and then turns to NW			

SAMPLE SITE(S)			
6137			

REMARKS			

REFERENCES			

FIELD EXAMINER(S)			
J.V. Tingley, 4/14/1999			

OCCURRENCE			
Metallic			

NO PROPERTY
728 Sample site 6137

OTHER NAME(S)

GEOLOGY

The adit follows a N50°E shear zone that cuts silicified dacite ash-flow tuff. Also N70°W and N10°W fracture sets are present. All fracture surfaces are coated with iron-oxide minerals. Quartz and calcite vein material on dump. Wall rock is propylitized, argillized, and bleached tuff with disseminated pyrite. Sample 6137 is quartz and calcite vein material from outcrop of shear zone.

NO PROPERTY
729 Sample site 6138
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal
QUAD SHEET			
Pah Rah Mtn			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 18, T22N, R23E	4405590	291340	
PRODUCTION			
HISTORY			
DEVELOPMENT			
Caved adit, dump			
SAMPLE SITE(S)			
6138			
REMARKS			
Dump is on north side of canyon.			
REFERENCES			
Tingley and Garside, 1999			
FIELD EXAMINER(S)			
J.V. Tingley, 4/14/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
729 **Sample site 6138**

OTHER NAME(S)

GEOLOGY

The adit was driven along a fractured zone which forms a contact between bleached, argillized, and iron-stained tuff and dull gray, propylitized tuff. The fracture zone has an attitude of N50°W, 70°NE. There is also a N30°E fracture set. Rock on the dump is greenish, propylitically altered, silicified tuff with hairline stockwork quartz veining. The quartz veins are clear and vuggy, with acicular quartz crystals in vugs. Quartz veinlets are up to 2 mm wide; surfaces are flooded with limonite. Sample 6138 is quartz vein material.

NO PROPERTY
730 Lower prospects, main fork Big Mouth Canyon
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal
QUAD SHEET			
Pah Rah Mtn			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ SE¼ Sec. 17, T22N, R23E	4405440	293075	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
Caved adit, large dump			
SAMPLE SITE(S)			
6139			
REMARKS			
A large dump is on a point on the south side of the canyon, probably from an adit now completely caved. There is a small dump uphill.			
REFERENCES			
Tingley and Garside, 1999			
FIELD EXAMINER(S)			
J.V. Tingley, 4/14/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
730 Lower prospects, main fork Big Mouth Canyon
OTHER NAME(S)

GEOLOGY

A prominent silicified outcrop of tuff is cut by N50°W and N20°E, 30°SE fracture sets. There is limonite flooding on fracture surfaces. Sample 6139 is of silicified tuff with quartz veinlets and local pyrite in gossan clots.

NO PROPERTY
731 Sample site 6141
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au, Ag		Low-sulfidation epithermal
QUAD SHEET					
Wadsworth					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NW¼ NW¼ SE¼ Sec. 11, T21N, R23		4397170	297100	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Shaft.					
SAMPLE SITE(S)					
6141					
REMARKS					
Sahft is near workings described at site no. 641.					
REFERENCES					
Tingley and Garside, 1999					
FIELD EXAMINER(S)					
J.V. Tingley, 4/15/1999					
OCCURRENCE					
Metallic					

NO PROPERTY
731 Sample site 6141

OTHER NAME(S)

GEOLOGY

A N25°W, 90° shear zone is exposed at the shaft collar. The zone is brecciated, and stained with iron oxides. The wallrock is argillized hornblende andesite of Stud Horse Canyon(?). N90°E and N70°E fractures are also present. Vein quartz with clear, drusy veinlets is present on the dump; sample 6141 is of this vein material.

NO PROPERTY
732 Sample site 6142
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au, Ag		Low-sulfidation epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
SE ¼ SE ¼ Sec. 3, T21N, R23E		4398400	295930	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Adit, about 5 m long, caved at portal					
SAMPLE SITE(S)					
6142					
REMARKS					
REFERENCES					
Tingley and Garside, 1999; Garside and Bonham, 2003					
FIELD EXAMINER(S)					
J.V. Tingley, 4/15/1999					
OCCURRENCE					
Metallic					

NO PROPERTY
732 **Sample site 6142**

OTHER NAME(S)

GEOLOGY

An adit was driven on a N40°E, 65°SE fracture zone in silicified tuff of Whisky Spring. Also, N40°W fractures are present. Fracture surfaces are stained with iron oxide, but there is no veining or obvious signs of mineralization. Biotite is altered to white mica. Sample 6142 is silicified and argillized tuff with iron-oxide staining on fractures.

NO PROPERTY
733 Moongold No. 41 claim
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW° NW °Sec. 34, T22N, R23E	4400520	294920	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
Two shallow prospect pits, 5 m apart.			
SAMPLE SITE(S)			
6143			
REMARKS			
REFERENCES			
Tingley and Garside, 1999			
FIELD EXAMINER(S)			
J.V. Tingley, 4/15/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
733 Moongold No. 41 claim
OTHER NAME(S)

GEOLOGY

Prospect pits explore an indistinct N50°W structure which is silicified and argillized along a 1-m-wide zone in Oligocene ash-flow tuff. The adjacent rock is propylitized. Sample 6143 is bleached and silicified tuff with iron oxides and drusy quartz on fracture surfaces.

NO PROPERTY
734 Secret Canyon adits
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal

QUAD SHEET			
Olinghouse			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ Sec. 28, T22N, R23E	4402407	294815	11

PRODUCTION

HISTORY

DEVELOPMENT
Two adits into south wall of canyon, both caved, with large dumps

SAMPLE SITE(S)
6144, 6213

REMARKS
Sample 6144 collected from upper dump, 6213 from lower dump.

REFERENCES
Tingley and Garside, 1999

FIELD EXAMINER(S)
J.V. Tingley, 4/15/1999; L.J. Garside, 8/13/1992

OCCURRENCE
Metallic

NO PROPERTY
734 Secret Canyon adits

OTHER NAME(S)

GEOLOGY

The upper adit portal exposes a N50°W, 65°SW structure with a 1-2 m section of quartz vein rubble and silicified wall rock in white mica and clay gouge. Propylitically altered Oligocene ash-flow tuff is in the hanging wall (west) and argillically altered material is in the structure and in the footwall. There is a N55-60°W, 90° structure along the footwall, and there are blocks of kaolinitized tuff between the footwall and the central gouge zone. The footwall rock is greenish, propylitically altered, and has stockwork veining. The entire zone, footwall to hanging wall, is about 4 m, with another 3 m of weakly veined rock in the footwall. A vertical post-mineral(?) fault has horizontal slickensides in the upper adit portal. Samples 6144 (upper adit dump) and 6243 (lower adit dump) are select quartz vein material and stockworks in altered tuff. Barite was observed on the dump of the upper adit.

NO PROPERTY
735 Moongold No. 5 and 6 claims
OTHER NAME(S)
OG132g

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal

QUAD SHEET			
Olinghouse			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SE ¼ SE ¼ Sec. 28, T22N, R23E	4401670	294750	11

PRODUCTION

HISTORY

DEVELOPMENT
Shaft, about 6.5 m deep; adit, caved at portal (about 100 m down hill from shaft)

SAMPLE SITE(S)
6145, 6210

REMARKS

REFERENCES
Tingley and Garside, 1999

FIELD EXAMINER(S)
J.V. Tingley, 4/16/1999; L.J. Garside, 8/13/1992

OCCURRENCE
Metallic

NO PROPERTY
735 Moongold No. 5 and 6 claims

OTHER NAME(S)

OG132g

GEOLOGY

A mineralized fault, approximately N50°W, 90°, is in argillized and silicified Oligocene ash-flow tuff. The fault was explored by the adit, and rock on the adit dump contains veins and veinlets of calcite and drusy quartz. Sericite is present in the wallrock adjacent to the vein. A N10-20°W, 70°E fracture zone is exposed in the cut adjacent to the adit. The upper shaft is in silicified ash-flow tuff with N0°E quartz veining, having 3 or 4 stringers 18-50 cm wide. Iron oxide staining is present along these stringers. Sample 6145 from the shaft is crushed, iron-oxide stained quartz vein matter. Sample 6210 is grab of dump material, silicified and argillized tuff with veinlets of calcite and drusy quartz.

NO PROPERTY
736 Sample site 6146
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal

QUAD SHEET			
Wadsworth			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ NW¼ Sec. 11, T21N, R23E	4398010	296920	11

PRODUCTION			

HISTORY			

DEVELOPMENT			
Two small prospect pits on north side of saddle, one 2 m x 4 m x 1.5 m deep, a second about 6 m to NE, about 3 m in diameter			

SAMPLE SITE(S)			
6146			

REMARKS			

REFERENCES			
Tingley and Garside, 1999			

FIELD EXAMINER(S)			
J.V. Tingley, 4/16/1999			

OCCURRENCE			
Metallic			

NO PROPERTY
736 Sample site 6146

OTHER NAME(S)

GEOLOGY

In one pit, a N15°W, 80°SW shear zone is exposed; it is an ~ 2 m wide zone of rubble and gouge. No structure is visible at the second pit but the dump is composed of argillized, bleached, silicified Oligocene ash-flow tuff. A lot of crystalline gypsum litters the dump, as well as some white, vuggy, limonite-stained quartz vein material. Sample 6146 is bleached and silicified rock from the second dump.

NO PROPERTY
737 Sample site 6147
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au, Ag		Low-sulfidation epithermal
QUAD SHEET					
Wadsworth					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NW¼ NW¼ Sec. 11, T21N, R23E		4397900	296500	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Small prospect pit, 3 m x 4 m into slope					
SAMPLE SITE(S)					
6147					
REMARKS					
REFERENCES					
Tingley and Garside, 1999					
FIELD EXAMINER(S)					
J.V. Tingley, 4/16/1999					
OCCURRENCE					
Metallic					

NO PROPERTY
737 Sample site 6147

OTHER NAME(S)

GEOLOGY

A pit is dug into propylitized Oligocene ash-flow tuff; iron-oxide stained rock is present in the SW end of the pit. The iron-oxide zone may strike N40°E, and N35°W, 80°NE fractures cut the altered rock. Vuggy vein quartz with gossan clots is present on dump (sample 6147).

NO PROPERTY
738 Stud Horse prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ NE¼ Sec. 33, T22N, R23E	4400880	294030	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Small prospect cut into slope, 6 m long x 2 m wide, about 0.75 m deep at NE end			
SAMPLE SITE(S)			
6148			
REMARKS			
REFERENCES			
Tingley and Garside, 1999			
FIELD EXAMINER(S)			
J.V. Tingley, 4/16/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
738 Stud Horse prospect
OTHER NAME(S)

GEOLOGY

A small prospect was dug on iron-oxide stained fractures that cut moderately propylitized Oligocene ash-flow tuff. No outcrops; some argillically altered rock on dump, and minor quartz-veined material. Sample 6148 is of argillically altered tuff with quartz veining.

NO PROPERTY
739 Sample site 6149
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 33, T22N, R23E	4401340	293970	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Small prospect cut, 4-5 m long downslope, about 2 m wide and about 1 m deep			
SAMPLE SITE(S)			
6149			
REMARKS			
Old sample tag on brush no. 1725.			
REFERENCES			
Tingley and Garside, 1999			
FIELD EXAMINER(S)			
J.V. Tingley, 4/16/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
739 Sample site 6149
OTHER NAME(S)

GEOLOGY

No outcrop visible; the area is covered by slope wash. Dump material is brecciated Oligocene dacitic ash-flow tuff replaced by quartz and laced with hairline quartz veinlets. Sample 6149 is silicified tuff with iron oxides and vein quartz.

NO PROPERTY
740 Sample site 6150
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 33, T22N, R23E	4401115	294150	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
None			
SAMPLE SITE(S)			
6150			
REMARKS			
REFERENCES			
Tingley and Garside, 1999			
FIELD EXAMINER(S)			
J.V. Tingley, 4/16/1999			
OCCURRENCE			
Metallic			

NO PROPERTY
740 Sample site 6150

OTHER NAME(S)

GEOLOGY

Silicified Oligocene dacitic ash-flow tuff crops out along a N30°W, 35°SW(?) shear zone in a saddle. Also, N10°W, 70°NE and N50°E, 75°SE fractures are present. The outcrop is stained hematite red, silicified, brecciated, and cemented with quartz. The zone is exposed over a width of about 14 m in the saddle. Sample 6150 is from the silicified and quartz veined material.

NO PROPERTY
741 Site OG131g
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse		Washoe	Au, Ag	Low-sulfidation epithermal
QUAD SHEET				
Olinghouse				
OWNERSHIP				
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE
NE¼ NE¼ Sec. 33, T22N, R23E		4401112	294781	11
PRODUCTION				
HISTORY				
DEVELOPMENT				
Adit, caved at portal, and small dump				
SAMPLE SITE(S)				
6206, 6214				
REMARKS				
REFERENCES				
Tingley and Garside, 1999				
FIELD EXAMINER(S)				
L.J. Garside, 8/13/1992; J.V. Tingley, 4/16/1999				
OCCURRENCE				
Metallic				

NO PROPERTY
741 Site OG131g
OTHER NAME(S)

GEOLOGY

An adit follows a N45°, 90° to 70°NE silicified fracture zone, 2 m wide, in silicified dacitic Oligocene ash-flow tuff. Pyrite and oxidation products are present. A hornblende andesite porphyry dike(?) is found in the footwall, closely associated with the vein. Sample 6214 is a grab sample of quartz stockwork in tuff from the dump of the adit. Uphill to the NW (sample site 6202), the silicified zone is about 50 m wide with a central zone of more intense shearing. A wide zone is rubbleized and recemented with quartz, and disseminated pyrite is present. Pale yellow and greenish-yellow oxide staining is present locally.

NO PROPERTY
742 Site OG192g
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Olinghouse		Washoe	Au, Ag		Low-sulfidation(?) epithermal
QUAD SHEET					
Olinghouse					
OWNERSHIP					
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE	
NW¼ NW¼ Sec. 11, T21N, R23E		4397920	296320	11	
PRODUCTION					
HISTORY					
DEVELOPMENT					
Two adits, both caved at portal					
SAMPLE SITE(S)					
6207, 6208					
REMARKS					
Northwestern adit is open beyond caving					
REFERENCES					
Tingley and Garside, 1999					
FIELD EXAMINER(S)					
L.J. Garside, 8/6/1993; J.V. Tingley, 4/16/1999					
OCCURRENCE					
Metallic					

NO PROPERTY
742 Site OG192g

OTHER NAME(S)

GEOLOGY

Adits were driven on a N50°W, 90° to 75°SW brecciated, rubbly quartz vein in a Miocene diorite porphyry intrusive. Bands of vein quartz plus iron-oxide boxworks total about 1 m in thickness, surrounded outward by a 0.5 m-wide envelope of argillic alteration; beyond this the rock is propylitized. The vein is mainly in the hanging wall of the structure, with gouge and clay in the footwall. Crusts of limonite, 1-2 mm thick, are in the gouge zone. Sample 6207 is silidified ledge material; 6208 is quartz vein material from dump.

NO PROPERTY
744 Site OG144g
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 4, T21N, R23E	4399710	294090	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
None			
SAMPLE SITE(S)			
6211			
REMARKS			
REFERENCES			
Tingley and Garside, 1999; Garside and others, 2000			
FIELD EXAMINER(S)			
L.J. Garside, 8/18/1993			
OCCURRENCE			
Metallic			

NO PROPERTY
744 Site OG144g

OTHER NAME(S)

GEOLOGY

Dacitic Oligocene welded tuff is cut by white, narrow, chalcedonic veins and veinlets which contain adularia. The tuff has sericite and limonite pseudomorphic after pyrite. Adularia has been dated at 17.8 ± 0.5 Ma by K-Ar methods (sample OG145, Garside and others, 2000, p. 110). Sample 6211 is of select vein material from the outcrop.

NO PROPERTY
745 Site OG193g
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	Low-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NW¼ Sec.11, T21N, R23E	4397730	296250	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
Shallow shaft and adit			
SAMPLE SITE(S)			
6212			
REMARKS			
REFERENCES			
Tingley and Garside, 1999			
FIELD EXAMINER(S)			
L.J. Garside, 8/6/1993			
OCCURRENCE			
Metallic			

NO PROPERTY
745 Site OG193g
OTHER NAME(S)

GEOLOGY

Silicification and fine-grained pyrite are found along a N70°W, 55°SW fault in Oligocene ash-flow tuff. Sample 6212 is dump select silicified rock with disseminated pyrite.

NO PROPERTY
746 Unnamed diatomite prospects
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	Diatomite	Sedimentary

QUAD SHEET			
Telephone Well			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 22, T24N, R26E	4423150	322200	11

PRODUCTION			

HISTORY			

DEVELOPMENT			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			
Willden and Speed, 1974			

FIELD EXAMINER(S)			
Not examined during this study			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
746 Unnamed diatomite prospects
OTHER NAME(S)

GEOLOGY

No information is available on prospect pits in Sec. 22, but the Tertiary sedimentary rocks are exposed there (Willden and Speed, 1974) and mines are for diatomite.

NO PROPERTY
747 Section 6 Mine
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE
Unnamed		Churchill	Diatomite		Sedimentary

QUAD SHEET

Hazen

OWNERSHIP

Eagle Picher

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 6, T19N, R26E	4378855	318707	11

PRODUCTION

HISTORY

Seasonal operation

DEVELOPMENT

Open pit mine

SAMPLE SITE(S)

REMARKS

REFERENCES

Houseman, 2004

FIELD EXAMINER(S)

Not examined during this study

OCCURRENCE

Nonmetallic

NO PROPERTY
747 Section 6 Mine
OTHER NAME(S)

GEOLOGY

Diatomite is mined from Miocene sedimentary rocks.

NO PROPERTY
748 Section 9 Mine
OTHER NAME(S)

MINING DISTRICT		COUNTY	COMMODITIES		DEPOSIT TYPE	
Unnamed		Churchill	Diatomite		Sedimentary	
QUAD SHEET						
Hazen						
OWNERSHIP						
Eagle Picher						
PLSS LOCATION		UTM NORTH	UTM EAST	ZONE		
Sec. 9, T19N, R26E		4376609	321884	11		
PRODUCTION						
HISTORY						
DEVELOPMENT						
Open pit mine						
SAMPLE SITE(S)						
REMARKS						
REFERENCES						
Houseman, 2004						
FIELD EXAMINER(S)						
Not examined during this study						
OCCURRENCE						
Nonmetallic						

NO PROPERTY
748 Section 9 Mine
OTHER NAME(S)

GEOLOGY

Diatomite is mined from Miocene sedimentary rocks.

NO PROPERTY
749 Section 18 quarry
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Diatomite	Sedimentary

QUAD SHEET			
Hazen			

OWNERSHIP			
Eagle Picher			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 18, T19N, R26E	4376156	318438	11

PRODUCTION			

HISTORY			

DEVELOPMENT			
Open piit mine			

SAMPLE SITE(S)			

REMARKS			
UTMs from open pit symbol on topographic map			

REFERENCES			
Houseman, 2004			

FIELD EXAMINER(S)			
Not examined during this study			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
749 Section 18 quarry
OTHER NAME(S)

GEOLOGY

Diatomite has been mined from Miocene sedimentary rocks. An ash was dated at 9.75 ± 0.31 Ma from this pit (Houseman, 2004).

NO PROPERTY
750 Railroad prospect pits
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Churchill	Gravel	Sedimentary
QUAD SHEET			
Hazen			
OWNERSHIP			
Union Pacific Railroad			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 11, T19N, R26E	4377475	325368	11
PRODUCTION			
Very small			
HISTORY			
The pits were probably made by the Southern Pacific Railroad for roadbed ballast.			
DEVELOPMENT			
Several small pits			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
FIELD EXAMINER(S)			
L.J. Garside, 5/3/2006			
OCCURRENCE			
Nonmetallic			

NO PROPERTY
750 **Railroad prospect pits**
OTHER NAME(S)

GEOLOGY

Bulldozer cuts and one small pit are located in Quaternary Lahontan beach gravels just east of the railroad tracks about 4 km south of Hazen. The beach gravels are relatively thin, lying on fine Lahontan silts and clays. The gravel is made up of basalt pebbles and cobbles.

NO PROPERTY
751 Unnamed prospects
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Juniper Range	Churchill	Au? , Ag?	Quartz vein
QUAD SHEET			
Telephone Well			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
S½ SE¼ Sec. 8, T24N, R26E	4424970	322130	
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Several prospect pits, 1- m deep			
SAMPLE SITE(S)			
REMARKS			
Location centered on hilltop; prospects over ~2 ha area.			
REFERENCES			
FIELD EXAMINER(S)			
L.J. Garside, 5/3/2006			
OCCURRENCE			
Metallic			

NO PROPERTY
751 Unnamed prospects
OTHER NAME(S)

GEOLOGY

Several prospects on and around a small hill explore quartz and quartz-calcite veins in Mesozoic metavolcanic rocks. The rocks in this area consist of fine-grained, light gray or white metafelsite(?), dark greenish gray pyroxene(?) meta-andesite, and minor diorite(?). These rocks are similar to those reported from Fireball Ridge to the south (Harlan, 1984). The veins consist mainly of milky to vitreous quartz with minor calcite, 1-4 cm wide, and locally, in sheeted zones. Sparse pyrite or limonite after pyrite are found in the veins and adjacent wallrock, and some vein material is brecciated and recemented with quartz. Actinolite(?) occurs in vein-like masses in a few places.

NO PROPERTY
752 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Juniper Range	Churchill	Au?, Ag?	Unknown
QUAD SHEET			
Telephone Well			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ SE¼ Sec. 9, T24N, R26E	4424676	323794	11
PRODUCTION			
None			
HISTORY			
DEVELOPMENT			
Small prospect pit near Sage Hen road			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
FIELD EXAMINER(S)			
L.J. Garside, 5/3/2006			
OCCURRENCE			
Metallic			

NO PROPERTY
752 Unnamed prospect
OTHER NAME(S)

GEOLOGY

Fracture coatings and clots of limonite, in part after pyrite, are found in a slightly schistose Mexozoic pyroxene meta-andesite.

NO PROPERTY
753 Unnamed prospect
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Juniper Range	Churchill	Au?, Ag?	Unknown
QUAD SHEET			
Telephone Well			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NE¼ Sec. 9, T24N, R26E	4425860	323660	
PRODUCTION			
Unknown			
HISTORY			
DEVELOPMENT			
Three prospects shown on topographic map; a house and outbuilding are on the site.			
SAMPLE SITE(S)			
REMARKS			
REFERENCES			
FIELD EXAMINER(S)			
Not visited during this study			
OCCURRENCE			
Metallic			

NO PROPERTY
753 Unnamed prospect
OTHER NAME(S)

GEOLOGY

Prospects are present on private property on a hill about 1.2 km north of the road along Sage Hen Creek. No detailed information is available on the property, but based on nearby rock outcrops (localities 752, 751,) the rocks are probably Mesozoic metavolcanics or plutonic units.

NO PROPERTY
754 Unnamed pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Truckee	Churchill	?	Unknown

QUAD SHEET			
Telephone Well			

OWNERSHIP			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NE¼ NE¼ Sec. 17, T24N, R26E	4423543	322546	11

PRODUCTION			
Minor			

HISTORY			

DEVELOPMENT			
Open pit, about 0.25 ha			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			

FIELD EXAMINER(S)			
L.J. Garside, 5/3/2006			

OCCURRENCE			
Nonmetallic			

NO PROPERTY
754 **Unnamed pit**
OTHER NAME(S)

GEOLOGY

Material has recently been removed from a small pit in brownish red fragmental Tertiary basaltic rock. Vesicles in basalt fragments and spaces between fragments are filled with calcite and several zeolite minerals, including chabazite, heulandite, and analcime (identified using X-ray diffraction by S.B. Castor).

NO PROPERTY
755 NCC East Pit
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	Limestone	Sedimentary
QUAD SHEET			
Fernely East			
OWNERSHIP			
Nevada Cement Co.			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
Sec. 3 and 4, T19N, R25E	4379029	313512	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
Open pit mine.			
SAMPLE SITE(S)			
REMARKS			
UTM on a high bench (2003).			
REFERENCES			
Hardy and others, 2004			
FIELD EXAMINER(S)			
L.J. Garside, 4/9/2003			
OCCURRENCE			
Non-metallic			

NO PROPERTY
755 NCC East Pit

OTHER NAME(S)

GEOLOGY

The East Pit exploits Upper Miocene lacustrine limestone for use in cement. The geology is similar to that described for the west pit (locality 122). Massive limestone bodies vary considerably in thickness within short horizontal distances, and grade laterally to marls. The limestone contains features that indicate is is mainly lake tufa.

NO PROPERTY
756 Locality RFE165
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Unnamed	Lyon	?	Vein

QUAD SHEET			
Fernley East			

OWNERSHIP			
Nevada Cement Co.			

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ NW¼ Sec. 4, T19N, R25E	4379460	311700	

PRODUCTION			
None			

HISTORY			

DEVELOPMENT			
Prospect pits in the vicinity of roadcut exposures			

SAMPLE SITE(S)			

REMARKS			

REFERENCES			

FIELD EXAMINER(S)			
L.J. Garside, 4/9/2003			

OCCURRENCE			
Metallic			

NO PROPERTY
756 Locality RFE165
OTHER NAME(S)

GEOLOGY

A 3 m vein of white and pinkish chalcedony is present along a N90E fault in Upper Miocene lacustrine and fluvial sedimentary rocks. Nearby, very fine-grained marcasite(?) is found. It is disintegrating on exposed surfaces to fibrous gypsum (selenite). The chalcedony and sulfide are partly exposed along a road between the East and West limestone pits of Nevada Cement.

NO PROPERTY
757 Locality OG200g
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Olinghouse	Washoe	Au, Ag	High-sulfidation epithermal
QUAD SHEET			
Olinghouse			
OWNERSHIP			
PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
SW¼ NW¼ Sec. 10, T21N, R23E	4397585	294925	11
PRODUCTION			
HISTORY			
DEVELOPMENT			
Several prospect pits and very short adits.			
SAMPLE SITE(S)			
6209			
REMARKS			
REFERENCES			
FIELD EXAMINER(S)			
L.J. Garside, 8/31/1993			
OCCURRENCE			
Metallic			

NO PROPERTY
757 Locality OG200g
OTHER NAME(S)

GEOLOGY

Several northeast-striking silicified fault zones cut the hornblende andesite of Fort Defiance Creek in the vicinity of Rabbit Canyon. The andesite, probably predominately flow domes, has a preferred $Ar40/Ar39$ age of 20.15 Ma (written commun., C.D. Henry, 2006). These zones or "ledges" are 1-2 m wide and stand out as ribs in the surrounding non-silicified rock. A few samples of ledge material in float contain a significant amount of fine-grained pyrite in fine-grained silica; however, most pyrite is apparently oxidized to limonite. Some areas within the ledges have "vuggy silica" textures. Sample 6209 is a grab sample of silicified and argillized hornblende andesite intrusive from one of several east-northeast, 1m-wide high-angle silicified ledges which have local vuggy textures.

NO PROPERTY
758 Locality RGP181
OTHER NAME(S)

MINING DISTRICT	COUNTY	COMMODITIES	DEPOSIT TYPE
Stateline Peak	Washoe	U	Volcanogenic uranium

QUAD SHEET
Granite Peak

OWNERSHIP

PLSS LOCATION	UTM NORTH	UTM EAST	ZONE
NW¼ SW¼ Sec. 29, T23N, R18E	4412750	243620	11

PRODUCTION
None

HISTORY
Probably prospected during development at the Buckhorn Mine 1.3 km to the south.

DEVELOPMENT
Several bulldozer cuts over an area of 400 m diameter. A few cuts on ridge 400 m east.

SAMPLE SITE(S)

REMARKS

REFERENCES

FIELD EXAMINER(S)
L.J. Garside, 12/5/2006

OCCURRENCE
Metallic

NO PROPERTY
758 Locality RGP181
OTHER NAME(S)

GEOLOGY

Anomalous radioactivity (up to 2000 cps; background= ~300 cps) is found in Ologocene rhyolitic ash-flow tuff near it's underlying contact with Cretaceous granodiorite. The highest radioactivity was found in one trench in poorly welded ash-flow tuff. No uranium minerals were observed. The ash-flow tuff contains sanidine, plagioclase, and only trace biotite. It is one of several 29-31 Ma tuffs deposited in this area.