

Table 1.--Brief description of all mines and prospects in and near the Glacier Peak Roadless Area

(Underlined name indicates property having identified mineral resources; asterisk indicates property that is outside the Roadless Area.
Commodities: Au = gold, Ag = silver, Cu = copper, Pb = lead, Zn = zinc, Mo = molybdenum)

Map No.	Name	Summary	Workings and production	Sample data and resources	Map No.	Name	Summary	Workings and production	Sample data and resources	
Goat Lake mining district (and vicinity)										
1	Phoenix prospect (Asbestos)	Asbestos fibers occur in pods in talc-chlorophyllite schist.	One caved adit and one pit.	Asbestos fibers are less than 1/4 in. long. They are suitable as a filter medium and as a filler. The asbestos-bearing zones were too poorly exposed to calculate resources.	53	Hanna prospect (Au, Ag, Pb, Zn)	North-trending, steeply dipping, sulfide-bearing quartz vein averaging 0.4 ft thick and exposed for 300 ft.	One 181-ft-long adit.	Twenty samples: eight assayed from 0.06 to 0.38 oz gold per ton, ten assayed from 0.05 to 0.48 oz silver per ton. 13 assayed from 0.13 to 0.10 percent lead. 11 assayed from 0.35 to 0.18 percent zinc, and six assayed from 0.06 to 0.37 percent arsenic. Inferred, subeconomic marginal reserves in the upper vein are 2,000 tons averaging 0.28 oz gold per ton, 25.5 oz silver per ton, 22.7 percent zinc, and 0.9 percent arsenic. Indicated and inferred subeconomic resources in the lower vein are 2,000 tons averaging 0.18 oz gold per ton, 1.32 oz silver per ton, 0.41 percent lead, 3.73 percent zinc, and 0.70 percent arsenic. Another sulfide-bearing zone may extend more than 800 ft thick and average 0.4 ft thick; 0.5 oz silver per ton, 0.5 oz of silver per ton, and 1.25 percent zinc. No resources are calculated because the topography was too steep to sample.	
2	Washington claim (Au, Ag, Cu, Pb, Zn)	N. 20° E.-trending, 25° NW-dipping, sulfide-bearing quartz vein in sheared tonalite.	None	The sample assayed 0.268 oz gold per ton, 4.0 oz silver per ton, 0.10 percent copper, 1.34 percent lead, 1.70 percent zinc, 1.36 percent antimony, and 17.7 percent arsenic. The vein is only 0.1 ft thick and poorly exposed.	54	Ease Moore prospect (Au, Ag, Pb, Zn, and possibly Cu)	North-trending, steeply-dipping sulfide-bearing quartz vein averaging 0.4 ft thick and exposed for 900 ft in hornfels and siliceous andesite.	One 41-ft-long adit.	Seventeen samples: six assayed from 0.028 to 0.074 oz gold per ton, 12 assayed from 1.0 to 0.2 oz silver per ton, one assayed 0.13 percent copper, 13 assayed from 0.12 to 7.40 percent lead, 12 assayed from 0.24 to 0.25 percent zinc, and one assayed from 0.20 to 0.70 percent arsenic, and eight assayed from 0.01 to 0.03 percent cadmium. Indicated and inferred, subeconomic resources are 80,000 tons averaging 0.026 oz gold per ton, 4.0 oz silver per ton, 0.08 percent copper, 3.35 percent lead, 0.93 percent zinc, and 0.83 percent arsenic. No samples were taken from the lower zone, because the topography was too steep.	
3	East Standard prospect (Au, Ag, Cu, Pb, Zn)	N. 20° E.-trending, 35° NW-dipping, sulfide-bearing quartz vein in altered, fractured tonalite. The vein averages 0.5 ft thick along a 70-ft strike length.	Two open cuts and one trench.	Eighteen samples: seven assayed from 0.01 to 0.056 oz gold per ton, two assayed 2.2 and 2.7 oz silver per ton, four assayed from 0.05 to 0.25 percent copper, ten assayed from 0.12 to 0.25 percent arsenic, and five assayed from 0.20 to 0.50 percent antimony. There are at least 16,000 tons averaging 0.018 oz gold per ton, 0.3 oz silver per ton, 0.21 percent copper, 0.03 percent lead, 0.05 percent zinc, 9.16 percent arsenic, and 0.02 percent antimony. Additional exploration may disclose resources.	55	Sawney-fair prospect (Au, Ag, Cu, Pb, Zn)	North-trending, north-west-dipping, sulfide-bearing quartz vein in sheared, siliceous andesite.	One 118-ft-long adit.	Eleven samples: they assayed from 0.035 to 1.48 oz gold per ton and from 1.0 to 48.4 oz silver per ton, eight assayed from 0.10 to 0.70 percent copper, ten assayed from 0.12 to 7.40 percent lead, 12 assayed from 0.24 to 0.25 percent zinc, and one assayed from 0.20 to 0.70 percent arsenic, and nine assayed from 0.04 to 0.75 percent antimony. Indicated and inferred, subeconomic resources are 80,000 tons averaging 0.026 oz gold per ton, 4.0 oz silver per ton, 0.08 percent copper, 3.35 percent lead, 0.93 percent zinc, and 0.83 percent arsenic. No resources are calculated because the topography was too steep.	
4	Isa prospect (Au, Ag, Zn)	N. 65° E.-trending, 55° NW-dipping, sulfide-bearing, brecciated fault zone in tonalite. The fault zone, 400 ft long, averages 1.0 ft thick, may be 3,700 ft long.	One 105-ft-long adit.	Four samples: one assayed 0.02 oz gold per ton, three assayed from 0.5 to 1.3 oz silver per ton, 0.12 to 0.58 percent zinc, 0.17 to 2.00 percent copper, 0.02 to 0.19 percent antimony. The steep topography limits these areas to at least 100 tons averaging 0.23 percent zinc, and 0.22 percent zinc, 0.06 percent antimony, and 0.50 percent arsenic.	56	Congress prospect (Au, Ag, Pb, Zn, and possibly Cu)	N. 83° E.-trending, 85° NW-dipping, sulfide-bearing quartz vein averaging 0.4 ft thick and exposed for 500 ft in hornfels and siliceous andesite.	One 67-ft-long adit.	Eight samples: three assayed from 0.002 to 0.84 oz gold per ton, from 1.5 to 43.2 oz silver per ton, and from 0.10 to 0.11 percent copper; four assayed from 0.12 to 7.40 percent lead, from 0.36 to 4.00 percent zinc, and from 0.15 to 16.0 percent arsenic; two assayed 0.28 and 11.2 percent antimony. Indicated and inferred, restricted marginal reserves are 8,000 tons averaging 0.585 oz gold per ton, 27.4 oz silver per ton, 0.07 percent copper, 4.30 percent lead, 0.29 percent zinc, 0.27 percent arsenic, and 1.38 percent antimony.	
5	Foggy mine prospect (Au, Ag)	Parallel series of northeast-trending, near vertical, sulfide-bearing veins in schist, tonalite, andesite, and gneiss. The main shear zone averages 0.7 ft thick and is exposed for over 1,352 ft.	Underground workings are extensive. The deposit is developed by 10,495 ft of workings (seven levels, 100 ft in length), andesite, and gneiss. The main shear zone averages 0.7 ft thick and is exposed for over 1,352 ft.	Two hundred ninety-one samples: 80 assayed from 0.01 to 0.20 oz gold per ton, 64 assayed from 0.2 to 2.2 oz silver per ton, 100 assayed from 0.05 to 3.1 percent arsenic, and 47 assayed from 0.01 to 0.7 percent antimony. There are at least 2.1 million tons averaging 0.019 oz gold per ton, 0.4 oz silver per ton, 0.28 percent zinc, 0.28 percent antimony, and 0.40 percent arsenic. The development work has been completed, the average grade is too low to be a resource.	57	Boston-American mine (Au, Ag)	North-trending, steeply northeast-dipping, sulfide-bearing shear zones in andesite and rhyolite.	One 3,842-ft-long adit including short crosscuts and drifts.	Twenty-four samples: 13 assayed from 0.01 to 0.05 oz gold per ton, and three assayed from 0.2 to 0.9 oz silver per ton.	
6	Shawbird prospect	North-east-trending, south-east-dipping shear zone in rhyolite.	One 142-ft-long adit.	Seven samples assayed no appreciable metal values.	58	Oliver and Birney (OBS) prospect (Au, Ag, Cu)	North-trending, north-west-dipping, sulfide-bearing shear zone in andesite and rhyolite.	Three adits total 945 ft including drifts and crosscuts. One is caved 80 ft from the portal and another is caved 185 ft from the portal. The shaft is partially caved.	Nine samples: six assayed from 0.12 to 0.22 oz gold per ton, seven assayed from 1.72 to 11.76 oz silver per ton, seven assayed from 0.20 to 2.39 percent copper, and three assayed from 0.12 to 0.17 percent arsenic. No resources are calculated because the gold veins appear to be spotty.	
7	Toboggan prospect	Dikes containing disseminated pyrite.	One 48-ft-long adit.	Eight samples assayed no appreciable metal values.	59	Zeta mine* (Au, Ag, Cu)	North-trending, steeply northeast-dipping, sulfide-bearing quartz vein, averaging 1.4 ft thick and exposed for 16 ft in sheared tonalite.	One 121-ft-long adit.	Eight samples: six assayed from 0.036 to 0.132 oz gold per ton, five assayed from 0.4 to 3.0 oz silver per ton, two assayed from 0.16 to 0.82 percent copper, and five assayed from 0.24 to 4.29 percent arsenic. At least 2,500 tons average 0.103 oz gold per ton, 1.30 oz silver per ton, 0.35 percent copper, and 0.72 percent arsenic. The vein is too poorly exposed to calculate resources.	
8	Marmot No. 1 prospect (Au, Ag, Cu, Pb, Zn)	Lineite-stained, sheared phyllite containing pods and lenses of sulfide-bearing quartz.	Two adits, 42 and 24 ft long.	Nineteen samples: seven assayed from 0.034 to 0.188 oz gold per ton, six assayed from 0.2 to 0.9 oz silver per ton, nine assayed from 0.12 to 1.83 percent copper, three assayed from 0.10 to 0.27 percent zinc, and three assayed from 0.06 to 0.20 percent antimony. Sulfide mineralization is very spotty; therefore, no resources are calculated.	60	Jeany D prospect (Au, Ag)	N. 86° E.-trending, 64-68° NW-dipping, sulfide-bearing quartz vein averaging 0.3 ft thick in sheared tonalite.	One 15-ft-long adit with connecting 6-ft-wide open cut.	Four samples: ten assayed 0.172 and 0.172 oz gold per ton, three assayed from 0.1 to 1.1 oz silver per ton, and two assayed 0.45 and 19.2 percent arsenic. No resources are calculated because the vein is poorly exposed.	
9	Marmot No. 2 prospect	Lineite-stained, sheared phyllite.	One 120-ft-long adit.	Six samples assayed no appreciable metal values.	Silver Creek mining district					
10	Horseshoe prospect (Au)	N. 44° E.-trending, 82° NW-dipping, sulfide-bearing quartz vein in sheared, siliceous andesite.	One 5-ft-long adit.	Two samples: one assayed 0.124 oz gold per ton and 0.30 percent arsenic. No resources are calculated because the vein is only 0.2 ft thick and poorly exposed.	61	W. Dansege prospect (Au, Ag)	N. 20° E.-trending, 85° SE-dipping sulfide-bearing shear zone averaging 0.7 ft thick and exposed for 400 ft in andesite.	One 17-ft-long adit with connecting 10-ft-long open cut.	Ten samples: seven assayed from 0.02 to 0.16 oz gold per ton, five assayed from 0.2 to 0.6 oz silver per ton, two assayed from 0.15 to 2.6 percent arsenic. The zone is poorly exposed and contains 11,000 tons averaging 0.026 oz gold per ton, 0.28 percent arsenic. Although the tonnage is not large, additional exploration may disclose resources.	
11	Swampy prospect (Au, Ag, Cu, Pb, Zn)	N. 65° W.-trending, 61° NE-dipping, sulfide-bearing quartz vein in sheared tonalite.	One 8-ft-long adit and one pit.	Four samples: one assayed 0.03 oz gold per ton, 5.3 oz silver per ton, 0.08 percent copper, 2.61 percent lead, 2.10 percent zinc, 1.09 percent arsenic, and 0.84 percent antimony. No resources are calculated because the vein is only 0.2 ft thick and poorly exposed.	62	Sue Ray prospect (Au, Ag, Cu)	East-trending, steeply northeast-dipping sulfide-bearing quartz vein.	One 50-ft-long adit.	Three samples estimated to be 50-75 tons.	Three samples assayed no appreciable metal values.
12	Pion prospect	East-trending, steeply dipping shear zone in tonalite.	One 10-ft-long adit.	Four samples assayed no appreciable metal values.	63	Banita prospect* (Au, Ag)	North-trending, steeply northeast-dipping, sulfide-bearing fault zone averaging 2.7 ft thick and exposed for 1,430 ft.	Three adits (4, 37, and 50 ft long), one faceted adit, and one 43-ft-long adit.	Eight samples: one assayed 0.37 oz gold per ton and 2.8 oz silver per ton, four assayed from 0.20 to 0.8 percent arsenic. The zone is poorly exposed, but at least 170,000 tons average 0.10 oz gold per ton, 0.5 oz silver per ton, and 2.4 percent arsenic. Additional exploration may disclose resources.	
13	Whittier prospect (Au, Ag, Cu, Pb, Zn)	N. 60° E.-trending, 60-80° NW-dipping, sulfide-bearing quartz vein averaging 1.2 ft thick and exposed for 100 ft in sheared tonalite. The quartz vein exposed here may be the same vein exposed at the Whittier prospect, there could be an additional 80,000 tons of inferred resources at this prospect.	Two adits, 8 and 21 ft long.	Twenty-five samples: 13 assayed from 0.118 to 1.474 oz gold per ton, 11 assayed from 0.15 to 0.8 oz silver per ton, 10 assayed from 0.10 to 1.07 percent copper, eight assayed from 0.12 to 3.0 percent arsenic, and three assayed from 0.12 to 0.42 percent antimony. There are at least 100 tons averaging 0.019 oz gold per ton, 0.4 oz silver per ton, 0.21 percent copper, 0.44 percent lead, 0.24 percent zinc, 1.09 percent arsenic, and 0.84 percent antimony. If this is the same vein at the Whittier prospect, there could be an additional 80,000 tons of inferred resources at this prospect.	64	Cheryl Lige prospect (Au, Ag, Cu)	N. 55° E.-trending, 85° NW-dipping, sulfide-bearing shear zone averaging 0.3 ft thick in andesite.	One 43-ft-long adit and four open cuts.	Nine samples: one assayed 0.17 oz gold per ton, and four assayed from 0.1 to 0.3 oz silver per ton. No resources are calculated because the steep topography limited these areas which could not be sampled.	
14	Wilde prospect (Au, Ag, Cu, Pb, Zn)	N. 81° E.-trending, 78° SE-dipping sulfide-bearing quartz vein averaging 0.4 ft thick and exposed for 390 ft in andesite and dike. This may be the same quartz vein that is exposed at the Whittier prospect.	One 12-ft-long adit with connecting open cut and one trench.	Ten samples: seven assayed from 0.088 to 0.408 oz gold per ton, six assayed from 0.7 to 28.8 oz silver per ton, four assayed from 0.08 to 0.10 percent copper, ten assayed from 0.16 to 2.60 percent lead, ten assayed from 0.18 to 1.50 percent zinc, nine assayed from 0.10 to 0.40 percent arsenic, and one assayed from 0.20 to 0.25 percent antimony. There are at least 100 tons averaging 0.076 oz gold per ton, 11.2 oz silver per ton, 1.04 percent copper, 1.1 percent lead, 3.41 percent zinc, 4.8 percent arsenic, and 1.00 percent antimony. If this is the same vein at the Whittier prospect, an additional 20,000 tons of resource could be inferred here. The Wilde is considered a resource only because of this possible relationship.	65	F. E. Dugis prospect (Au, Ag, Cu)	N. 40° E.-trending, 70° NW-dipping, sulfide-bearing shear zone averaging 2 ft thick and exposed for 100 ft in andesite.	One 7-ft-long adit, one caved adit, and one open cut.	Two samples: two assayed 0.18 and 0.25 oz gold per ton, one assayed 0.7 oz silver per ton, two assayed 0.2 and 2.7 percent arsenic, and one assayed 0.25 to 7.7 percent arsenic. The zone is poorly exposed, but at least 1,000 tons average 0.23 oz gold per ton, 0.35 percent copper, and 0.57 percent arsenic. Additional exploration may disclose resources.	
15	Eureka prospect (Au, Ag, and possibly Cu)	N. 85° E.-trending, steeply northeast-dipping, sulfide-bearing quartz vein averaging 1.0 ft thick and exposed for 220 ft in tonalite.	One caved adit, estimated at less than 20 ft long, and one open cut.	Seventeen samples: seven assayed from 0.012 to 0.590 oz gold per ton, four assayed from 0.3 to 0.7 oz silver per ton, one assayed 2.50 percent copper, one assayed 0.51 percent zinc, and five assayed from 0.08 to 0.40 percent arsenic, and one assayed 0.32 oz gold per ton and 0.3 oz silver per ton.	66	Seattle-Aurora prospect (Au, Ag)	N. 79° E.-trending, 75° NW-dipping, sulfide-bearing shear zone averaging 2.7 ft thick and exposed for 97 ft in andesite.	One 113-ft-long adit.	Six samples: four assayed from 0.030 to 0.164 oz gold per ton, one assayed 0.6 oz silver per ton, and four assayed from 1.00 to 8.20 percent arsenic. The zone is poorly exposed, but at least 7,000 tons average 0.079 oz gold per ton and 2.68 percent arsenic. Additional exploration may disclose resources.	
16	Bica prospect (Au, Ag, Cu, Pb, Zn)	N. 79° E.-trending, 80° NW-dipping, sulfide-bearing quartz vein connected by an incline and exposed for 290 ft in sheared tonalite.	One 18-ft-long adit.	Eight samples: five assayed from 0.074 to 1.132 oz gold per ton and from 0.8 to 5.4 oz silver per ton, three assayed from 0.1 to 0.2 percent copper, five assayed from 0.06 to 1.03 percent arsenic, and six assayed from 0.11 to 0.28 percent antimony. Inferred, subeconomic resources are 7,800 tons averaging 0.210 oz gold per ton, 2.0 oz silver per ton, 0.15 percent copper, 4.38 percent zinc, 3.70 percent arsenic, and 0.14 percent antimony. The Bica is considered a resource only because it may be an extension of the Whittier vein. An additional 80,000 tons of resources could be inferred here.	67	Stocketon prospect (Au, Ag, Cu)	N. 82° W.-trending, steeply northeast-dipping sulfide-bearing shear zone averaging 0.8 ft thick in andesite. This shear zone may intersect the zone exposed at the Dugan Bay.	One 30-ft-long adit and one caved adit estimated to be over 120 ft long.	Four samples: two assayed 0.23 and 0.14 oz gold per ton, three assayed from 0.1 to 1.5 oz silver per ton, two assayed 0.35 and 1.3 percent copper, and four assayed from 0.10 to 4.0 percent arsenic. The zone is poorly exposed, but at least 4,100 tons average 0.010 oz gold per ton, 0.8 oz silver per ton, 0.67 percent copper, and 2.1 percent arsenic.	
17	Hydra No. 2 prospect (Au, Ag, Cu, Pb, Zn)	N. 65° E.-trending, 80° NW-dipping, sulfide-bearing quartz vein averaging 2.9 ft thick and exposed for 100 ft in sheared tonalite.	One 13-ft-long adit and one pit.	Two samples: they assayed 1.1 and 1.3 oz silver per ton, 0.03 percent copper, 0.10 and 0.24 percent lead, 0.12 and 0.53 percent zinc, 0.25 and 1.38 percent arsenic, and 0.04 and 0.08 percent antimony. There are at least 1,000 tons averaging 1.2 oz silver per ton, 0.03 percent copper, 0.14 percent lead, 0.28 percent zinc, 0.62 percent arsenic, and 0.05 percent antimony. The vein is too poorly exposed to calculate resources.	68	Dugan Bay prospect (Au, Ag, Cu, Pb, Zn)	N. 62° E.-trending, vertically northeast-dipping, sulfide-bearing quartz vein, averaging 46-77° NW-dipping, sulfide-bearing quartz vein, averaging 2.5 ft thick and exposed for 195 ft.	Two adits, 304 and 209 ft long, including drifts and crosscuts.	Sixteen samples: eight assayed from 0.182 to 2.482 oz gold per ton, ten assayed from 0.6 to 11.1 oz silver per ton, two assayed from 0.21 to 0.20 percent copper, and five assayed from 0.26 to 21.2 percent arsenic, and 14 assayed from 0.28 to 8.69 percent antimony. Inferred, subeconomic resources are 20,000 tons averaging 0.250 oz gold per ton, 2.2 oz silver per ton, 0.27 percent copper, 6.57 percent lead, 0.84 percent zinc, and 0.63 percent arsenic. Additional exploration may disclose resources.	
18	Tussock prospect (Au, Ag, Cu, Pb, Zn)	Two N. 77° E.-trending, 65° NW-dipping, sulfide-bearing quartz veins averaging 0.7 ft thick and exposed for 220 ft in sheared, bleached tonalite. The veins may be the same vein exposed at the Whittier prospect.	Two adits, 9 and 21 ft long.	Thirteen samples: seven assayed from 0.02 to 0.458 oz gold per ton, five assayed from 0.5 to 3.1 oz silver per ton, four assayed from 0.08 to 0.10 percent copper, six assayed from 0.12 to 3.0 percent arsenic, and three assayed from 0.14 to 0.23 percent antimony. Inferred, subeconomic resources are 7,800 tons averaging 0.210 oz gold per ton, 2.0 oz silver per ton, 0.15 percent copper, 4.38 percent zinc, 3.70 percent arsenic, and 0.14 percent antimony. The Bica is considered a resource only because it may be an extension of the Whittier vein. An additional 80,000 tons of resources could be inferred here.	69	O. T. prospect* (Au, Ag, Cu, Pb, Zn)	N. 50-80° E.-trending, steeply dipping, sulfide-bearing quartz vein averaging 0.8 ft thick and exposed for 85 ft in andesite.	One 98-ft-long adit.	Five samples: three assayed from 0.250 to 0.484 oz gold per ton, from 0.6 to 1.5 oz silver per ton, from 0.05 to 0.38 percent copper, and from 0.10 to 1.0 percent arsenic. The vein is poorly exposed, but at least 600 tons average 0.384 oz gold per ton, 1.0 oz silver per ton, 0.27 percent copper, and 0.83 percent arsenic. Additional exploration may disclose resources.	
19	Philo prospect (Au, Ag, Cu, Pb, Zn)	N. 83° E.-trending, 77-80° NW-dipping, sulfide-bearing quartz vein averaging 0.2 ft thick and exposed for 110 ft.	One 175-ft-long adit with 105-ft-long crosscut. No resources reported, but stope are present.	Fifty-three samples: 28 assayed from 0.05 to 1.518 oz gold per ton, 20 assayed from 0.4 to 3.6 oz silver per ton, 17 assayed from 0.10 to 0.10 percent copper, 18 assayed from 0.12 to 3.0 percent arsenic, and 13 assayed from 0.10 to 0.30 percent antimony. Inferred, subeconomic resources are 330,000 tons averaging 0.131 oz gold per ton, 0.8 oz silver per ton, 0.12 percent copper, 0.20 percent lead, 2.38 percent zinc, 2.58 percent arsenic, and 0.20 percent antimony. A N. 85° W.-trending vein may contain an additional 30,000 tons of resources. It was 0.2 to 0.3 ft thick and exposed for 100 ft. The vein is poorly exposed, but at least 1,000 tons average 0.14 oz gold per ton, 0.15 percent copper, 0.39 percent lead, 1.42 percent zinc, and 1.4 percent arsenic.	70	Minimally prospect (Au, Ag, Cu)	N. 80° W.-trending, 55-58° NE-dipping, sulfide-bearing quartz vein averaging 2.5 ft thick and exposed for 100 ft in andesite.	One 61-ft-long adit.	Seven samples: seven assayed from 0.032 to 0.158 oz gold per ton, four assayed from 0.5 to 5.9 oz silver per ton, two assayed from 0.20 to 0.20 percent copper, and four assayed from 0.26 to 3.52 percent arsenic. The vein is poorly exposed, but at least 3,800 tons average 0.072 oz gold per ton, 1.0 oz silver per ton, 0.49 percent arsenic. Additional exploration may disclose resources.	
20	Portland No. 2 prospect (Au, Ag, Cu, Pb, Zn)	N. 78° E.-trending, 73-75° NW-dipping, sulfide-bearing quartz vein averaging 0.7 ft thick and exposed for 100 ft in sheared tonalite. The steep topography limited these areas that could be sampled.	Two adits, 8 and 58 ft long.	Five samples: five assayed from 0.012 to 0.482 oz gold per ton, from 0.2 to 8.6 oz silver per ton, from 0.03 to 0.25 percent copper, from 0.28 to 6.5 percent zinc, and from 0.2 to 1.21 percent arsenic, and from 0.2 to 4.26 percent antimony. Two assayed 0.2 and 0.34 percent lead, 0.18 percent zinc, and 0.28 percent arsenic. There are at least 100 tons averaging 0.08 oz gold per ton, 0.4 oz silver per ton, 0.21 percent copper, 4.84 percent lead, 8.9 percent zinc, and 1.68 percent arsenic.	71	Dugger mine prospect (Au, Ag, Cu)	East-trending, 75°-80° NE-dipping, sulfide-bearing quartz vein averaging 0.7 ft thick and exposed for 100 ft in andesite.	One 83-ft-long adit including drifts and crosscuts.	Sixteen samples: two assayed 0.080 and 0.100 oz gold per ton, four assayed from 0.4 to 1.2 oz silver per ton, two assayed from 0.28 to 0.28 percent copper, and one assayed from 0.10 to 0.20 percent arsenic. The vein is poorly exposed, but at least 1,500 tons average 0.06 oz gold per ton, 1.1 oz silver per ton, 0.49 percent arsenic.	
21	Washington prospect (Au, Ag, Cu, Pb, Zn)	North-trending, north-east-dipping, sulfide-bearing quartz vein averaging 0.7 ft thick and exposed for 59 ft in sheared tonalite and joints.	Two adits, 56 and 60 ft long.	Ten samples: seven assayed from 0.096 to 0.338 oz gold per ton, ten assayed from 0.5 to 3.0 oz silver per ton, three assayed from 0.08 to 0.10 percent copper, six assayed from 0.12 to 3.0 percent arsenic, and eight assayed from 0.28 to 1.02 percent antimony. Indicated and inferred, restricted marginal reserves are 22,000 tons averaging 0.310 oz gold per ton, 0.2 oz silver per ton, 0.11 percent copper, 2.43 percent lead, 3.48 percent zinc, 1.57 percent arsenic, and 1.37 percent antimony. If the Potomac prospect (No. 27) are on the same vein, 27,000 tons of resources could be inferred at this prospect.	72	Ajax prospect* (Au, Ag, Cu)	N. 33° E.-trending, 81° SE-dipping, lineite-stained, sulfide-bearing quartz vein averaging 1.3 ft thick and exposed for 70 ft in andesite.	One open cut.	Three samples assayed no appreciable metal values.	
22	New Discovery mine (Au, Ag, Cu, Pb, Zn)	North-trending, north-west-dipping, sulfide-bearing quartz vein averaging 0.7 ft thick and exposed for 100 ft in sheared tonalite.	Underground workings are extensive. The deposit is developed by 2,840 ft of horizontal workings (three main levels connected by stope and adits) and a large shaft. The shaft is connected to the Mystery mine workings by a raise. Production is estimated at 45,000 tons of ore, based on stope volumes.	One hundred ninety-five samples: 101 assayed from 0.020 to 1.836 oz gold per ton, 99 assayed from 0.5 to 17.1 oz silver per ton, 30 assayed from 0.10 to 2.00 percent copper, 99 assayed from 0.10 to 3.0 percent arsenic, and 137 assayed from 0.10 to 25.00 percent antimony. There are at least 31,000 tons averaging 0.722 oz gold per ton, 0.4 oz silver per ton, 0.11 percent copper, 2.43 percent lead, 3.48 percent zinc, 1.57 percent arsenic, and 1.37 percent antimony. If the Potomac prospect (No. 27) are on the same vein, 27,000 tons of resources could be inferred at this prospect.	73	Evejing Star mine (Au, Ag, Cu)	N. 33° E.-trending, 81° SE-dipping, sulfide-bearing quartz vein averaging 1.3 ft thick and exposed for 70 ft in andesite.	Three adits (14, 58, and 234 ft long) including crosscuts and drifts, and one open cut.	Thirteen samples: four assayed from 0.04 to 0.232 oz gold per ton, seven assayed from 0.5 to 10.0 oz silver per ton, three assayed from 0.11 to 0.83 percent copper, and two assayed 1.5 and 1.0 percent arsenic. However, at least 1,800 tons average 0.099 oz gold per ton, 0.7 oz silver per ton, and 1.68 percent arsenic. Additional exploration may disclose resources.	
23	Pride of the Woods mine (Au, Ag, Cu, Pb, Zn)	North-trending, north-west-dipping, sulfide-bearing quartz vein in sheared, bleached tonalite. The steep topography limited these areas that could be sampled.	Two adits, 56 and 60 ft long.	Ten samples: seven assayed from 0.096 to 0.338 oz gold per ton, ten assayed from 0.5 to 3.0 oz silver per ton, three assayed from 0.08 to 0.10 percent copper, six assayed from 0.12 to 3.0 percent arsenic, and eight assayed from 0.28 to 1.02 percent antimony. Indicated and inferred, restricted marginal reserves are 22,000 tons averaging 0.310 oz gold per ton, 0.2 oz silver per ton, 0.11 percent copper, 2.43 percent lead, 3.48 percent zinc, 1.57 percent arsenic, and 1.37 percent antimony. If the Potomac prospect (No. 27) are on the same vein, 27,000 tons of resources could be inferred at this prospect.	74	Good Hope mine (Au, Ag, and possibly Cu)	N. 29° E.-trending, 55° NW-dipping, sulfide-bearing shear zone averaging 0.8 ft thick and exposed for 38 ft in andesite.	One 104-ft-long adit, including crosscuts and drifts, and one open cut.	Seven samples: one assayed 0.20 oz gold per ton, and four assayed from 0.5 to 0.2 oz silver per ton, seven assayed from 0.05 to 0.21 percent copper, and four assayed from 1.65 to 7.00 percent arsenic. No resources are calculated because the zone is poorly exposed.	
24	Side Line prospect	North-trending, steeply northeast-dipping shear zone in tonalite.	One 11-ft-long adit.	Two samples assayed no appreciable metal values.	75	Lucky Boy mine	The Lucky Boy adit was developed to sample the Mystery, Hope, and Smokey deposits. The deposit was not driven on any structure.	One caved adit estimated to be at least 1,000 ft long.	No samples were taken.	
25	Pearlmine prospect (Au, Ag, Pb, and possibly Cu)	N. 78° E.-trending, 79° NW-dipping, sulfide-bearing quartz vein averaging 14 ft thick and exposed for 300 ft in andesite breccia.	One 16-ft-long adit with 14-ft-long connecting open cut.	Two samples: they assayed 0.012 and 0.072 oz gold per ton, 0.2 and 0.4 oz silver per ton, 0.38 percent lead, 0.89 percent zinc, 0.20 percent copper, 0.42 percent arsenic, and 0.17 percent antimony. There are at least 50,000 tons averaging 0.05 oz gold per ton, 0.2 oz silver per ton, 0.13 percent lead, 0.28 percent zinc, and 0.73 percent arsenic. Only two samples could be taken in the steep terrain, therefore, no resources could be calculated.	76	Starling prospect (Au, Ag, Cu, Pb, Zn)	Brecciated andesite in a matrix of quartz and siliceous minerals (breccia pit).	One 8-ft-long adit and one open cut.	Twelve samples: four assayed from 0.020 to 0.142 oz gold per ton, two assayed 0.5 and 18.3 oz silver per ton, three assayed from 0.09 to 0.78 percent copper, two assayed 0.19 and 5.30 percent arsenic, and two assayed 0.88 and 0.89 percent antimony. No resources are calculated because the steep topography limited these areas which could not be sampled.	
26	Morian prospect (Au, Ag, and possibly Cu)	N. 63° E.-trending, 50° NW-dipping, sulfide-bearing quartz vein in sheared, bleached tonalite.	One 28-ft-long adit.	Seven samples: one assayed 0.130 oz gold per ton, 1.5 oz silver per ton, 0.04 percent copper, 0.23 percent lead, 0.28 percent zinc, 0.20 percent arsenic, and 0.17 percent antimony. Resources could be calculated because the vein averages 0.2 ft thick and is poorly exposed.	77	Moly Sulph prospect	Arsenopyrite stringer and quartz vein in lineite-stained volcanic pyrite.	One 8-ft-long adit.	Two samples assayed no appreciable metal values.	
27	Potomac prospect (Au, Ag, Cu, Pb, Zn)	N. 78° E.-trending, 68° NW-dipping, sulfide-bearing quartz vein averaging 0.7 ft thick and exposed for 30 ft in sheared, bleached tonalite.	One 32-ft-long adit and one trench.	Six samples: three assayed from 0.028 to 0.202 oz gold per ton, four assayed from 0.10 to 1.32 oz silver per ton, three assayed from 0.14 to 2.80 percent copper, and four assayed from 0.26 to 1.30 percent arsenic, and five assayed from 0.28 to 1.02 percent antimony. Indicated and inferred, restricted marginal reserves are 22,000 tons averaging 0.310 oz gold per ton, 0.2 oz silver per ton, 0.11 percent copper, 2.43 percent lead, 3.48 percent zinc, 1.57 percent arsenic, and 1.37 percent antimony. If the Potomac and the Jackson are on the same vein, 27,000 tons of resources could be inferred at this prospect.	78	Mountain Queen prospect (Au, Ag, Cu)	N. 35° W.-trending, 63° NE-dipping, sulfide-bearing shear zone averaging 0.7 ft thick and exposed for 28 ft in rhyolite.	Two adits, 30 and 256 ft long.	Fifteen samples: three assayed from 0.009 to 0.030 oz gold per ton, five assayed from 0.4 to 4.2 oz silver per ton, and eight assayed from 0.16 to 3.38 percent arsenic. No resources are calculated because the topography is steep and the zone is poorly exposed.	
28	Pride of the Woods mine (Au, Ag, Cu, Pb, Zn)	N. 80° E.-trending, steeply-dipping, sulfide-bearing quartz vein in sheared, bleached tonalite. The mine has been stopped out and only pillars remain. The ore was transported through the Mystery mine workings to the shaft.	One 80-ft-long adit that connects with the Mystery mine workings. The mine has been stopped out and only pillars remain. The ore was transported through the Mystery mine workings to the shaft.	Thirteen samples: eight assayed from 0.034 to 0.110 oz gold per ton, nine assayed from 0.4 to 23.0 oz silver per ton, seven assayed from 0.1 to 1.00 percent copper, 34 assayed from 0.12 to 3						