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SHELDON MINING COMPANY

Description of Openings with Assays of Samples

Explanation: The first letter and accompanying number is that shown on the map for the cut, shaft, tunnel, raise or outcrop described; the second letter and number indicate the location on the map with reference to the marginal letters and numbers; widths, and assays of lead, are included in the description.

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C1	G7	On the Short Cut and Shelton Claims along series of stopes to surface on Sheldon Vein, but with no vein exposure remaining. Walls are granodiorite and dip 90° with strike about N 48° E, width 2 to 3 feet. There is a slight curve in the vein to the west 490 feet S.W. of Sheldon main shaft, turning back to south 540 feet S.W. These stopes are over the portion of the Sheldon Vein not exposed on the 450-level on account of the "horse-shoe crosscut".			
C1A	G7	Shelton Claim, Sheldon Vein, at S.W. end of C1 where vein apparently widens to 10 or 12 feet. Walls granodiorite, dip 90°. Cross fracturing in walls shown in accompanying photograph. Long ore shoot to the S.W. of this on 650-level.			
		S2, old No. 1 Sheldon shaft, and T1, old tunnel, are to the S.W.			
C2	J6	Shelton Claim. This cut about 7x7x3, 40 feet S.W. of C3, is probably in the hanging wall of the Sheldon Vein. It shows nothing.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C3	J6	Shelton Claim, Sheldon Vein, about 1090 feet S.W. of Sheldon shaft. Strike S 45° W, dip 80° S.E. Granodiorite walls. Northeast end of cut shows 6 in. of vesicular quartz on the hanging wall side, then 4 in. altered granodiorite, then 15 in. of quartz, then 27 in. of irregular quartz stringers in altered granodiorite, then 5 in. of altered granodiorite. Sample C3-South Face, 48 in. wide, a honeycomb quartz, assayed	.09	12.18	.18
		To the southwest of this a short distance is an outcrop which looks as though the vein widens here.			
C4	J6	Shelton Claim, probably Sheldon Vein. About 1260 feet S.W. of Sheldon shaft. 20x10x5-ft. face. Strike N 25° E, dip 72° S.E. Possible that the entire vein is not exposed here. Sample C4-North Face, 32 in. wide, of which 18 in. is fairly hard white quartz and the balance granodiorite with quartz seams up to 3 in.	Tr.	.7	
C5	J6	Shelton Claim. 20x10x8-ft. face. Granodiorite. No vein, and no quartz on dump. Slip S 25° W, dip 80° S.E.			
C6	J6	Shelton Claim. 20x10x2-ft. face. Strike indefinite, perhaps S 10° W, dip 80° W. Probably Sheldon Vein. Sample C6-A from the face on the northwest side. Honeycomb quartz 6 in., granodiorite with quartz stringers 4 in., total 18 in.	-	.18	
		Sample C6-B. 1 in. of quartz, 6 in. of altered porphyry, 1 in. of quartz on the southeast side; total 8 in.	.36	5.36	.20
CS6	C13	This cut is on the Fortune Claim, northeast of the Sheldon shaft. Part of the Sheldon Vein system. Apparently stopes coming to the surface from drifts driven northeast to the surface from Shaft S6.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C7	J6	On Sheldon Claim, about 1725 feet southwest of Sheldon shaft. Cut 50x15x15-ft. face. Vein matter possibly 14 feet wide. Strike about N 20° E, dip 85° E. Granodiorite walls. Five samples taken from the northeast face.			
		C7-A, on the foot wall side, honeycomb quartz, 22 in. wide.	Tr.	.80	
		C7-B, next overlying A, fairly clean banded yellow granodiorite, 16 in. wide.	.01	2.66	.43
		C7-C, overlying B, fairly uniform honeycomb quartz, with a trace of pyrite. 55 in. wide.	-	-	
		C7-D, overlying C, fairly uniform altered granodiorite. 29 in. wide.	Tr.	.24	
		C7-E, overlying D, hanging wall side, white quartz and granodiorite. 26 in. wide.	Tr.	.38	
		T2 is the next opening to the southwest beyond which is C7A.			
C7A	K5	American Flag Claim. Altered granodiorite only. Probably in foot wall of Sheldon Vein. Not shown on map.			
C7B	K5	American Flag Claim. Altered granodiorite, also probably in the foot wall, but a little quartz on the dump indicates that the vein may have been cut at the entrance. Also omitted from map.			
CS7A	B13	This cut is on the northeast end of the Fortune Claim, near S7, about 2800 feet northeast from the Sheldon shaft. Not shown on the map.			
CS7B	B13	Near CS7A. Shows vein running N 35°E, with 48 in. of quartz, but of little importance.			
C8	K5	On American Flag Claim, having elevation about 100 feet above collar of Sheldon shaft. Cut 8x7x4. Strike N 40°E, but foot wall curving. Dip 75° SE. Granodiorite walls. Possibly on Independence Split of Sheldon Vein. 6 in. of quartz on the foot wall.			
		Sample C8-North Face, 51 in. wide.	.0	.72	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C8A	K5	American Flag Claim. Looks like easy assessment work in hanging wall of vein. Not shown on map.			
C8B	K5	American Flag Claim. Cut 10x8x8. Strike S 30° W, dip 75° SE. Granodiorite walls. Two samples taken from the North Face.			
		C8B-F, foot wall side, 8 in. of quartz, 28 in. mixed quartz and granodiorite; total 36 in.	.0	Tr.	
		C8B-2F, hanging wall side, very soft granodiorite with quartz seams of which two are about 6 in. wide. Total width 31 in. No hanging wall exposed here.	Tr.	.28	
C9	K5	American Flag Claim. Cut 7x3x2½. In hanging wall. Granodiorite. Not shown on map.			
C10	K5	Independence Claim. Probably float and not on vein. Omitted from map.			
C10A	K5	Independence Claim. Probably apex of Independence Tunnel Split. On S.W. slope near summit. Granodiorite walls. Strike indefinite, but apparently N 30° E, with dip 80° SE.			
		Sample C10A-1F, from the foot wall portion of the vein. Mixed granodiorite with 3 in. of quartz. Total width 19 in.	.01	.78	
		Sample C10A-2F, overlying 1F, mostly quartz, white to brown, coarsely granular and dull. 36 in. wide.	-	.68	
		Sample C10A-3F, overlying 2F. Horse of altered granodiorite, some being much silicified with cavities. Width 28 in.	Tr.	1.2	
		Sample C10A-4F, hanging wall side of vein. Altered granodiorite largely. Width 29 in.	.0	1.06	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C10B	L5	Independence Claim. South of the line of the Independence or Victory Tunnel, and would not be on the Independence Split shown on that tunnel. Strike N 30° E, dip 70° S.			
		Sample C10B-Face, 19 in. of quartz.	-	.68	
		T3S3, T4, and T6 are to the S.W. of these openings. T5 and C168 are on the vein 150 feet south. T17 is on slip 280 feet S.E. The continuation of the Sheldon Vein to the S.W. will be found under C22, C23, C24, and C170.			
C11	E10	Champion Claim. This is on the Sheldon Vein system, 1150 to 1240 feet N.E. of the Sheldon shaft. Possibly on the south split showing in the N.E. face of the 650-level, or possibly on a parallel fracture. There is much quartz piled along the cut on both sides, some pieces up to 60 in. wide. The strike is N 45° to 50° E. No defined walls; granodiorite fractured horizontally, but not soft and with little or no cross fissuring. Average width possibly 3 ft. No rock in place.			
		Sample C11-S, specimens of quartz carrying up to 15% pyrite.	.03	.40	
C11A	E10	Champion Claim. Sheldon Vein system. Face 3 ft. high S.W. of C11. 23 inches, white, mostly solid quartz.	-	.32	
		Sample repeated.	.01	.36	
C12	D10	Champion Claim. Pit and old stope about 1 foot wide to the N.E. of C11. Shows vein in the north face with the quartz stoped. Strike N 65° E, dip 88° SE.			
		Sample C12-AF, altered granodiorite with stringers of quartz up to 1 in. wide. Foot wall side. 68 in. wide.	-	.38	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		Sample C12-BF, hanging wall side. Quartz, coarsely crystalline. 14 in. wide.	.06	.82	
C13	D11	Link Claim, Sheldon Vein system. Very little quartz. Possibly 32 in. wide of altered granodiorite. Strike about N 50° E, dip 75° SE.			
C14	D11	Link Claim. Filled cut with only altered, soft, brown, fine granodiorite on the dump. Probably not on the vein. Not on map.			
C15	D11	Like C14.			
C15A	D11	Near line between Fortune and Link Claims. 15x10x7 ft. Wall N 45° E, dipping 75° SE. Granodiorite. Sample C15A-Face, 4 in. of quartz showing fine pyrite and a little lead stain.	.50	.62	
		This seems out of line with both C13 and C16, but should be considered as a possible continuation toward the southwest of the shoot in C16.			
C16	D11	Southwest end of Fortune Claim, about 100 feet N.E. of C15A. Sheldon Vein system, but not necessarily Sheldon Vein. Wall on S.E. side has a strike of N 32° E, and an apparent dip of 85° NW, but some slips in the vein dip S.E. 88°. On the S.W. side end there are 2 to 4 in. of quartz, then 12 in. of silicified vesicular granodiorite, then 4 in. of quartz, then 30 in. of altered and silicified granodiorite, with seams of quartz up to 1 in. wide.			
		Sample C16-F, from the North Face, 11 in. wide.	2.22	3.90	$44^{\text{oz}} + 1/2^{\text{oz}}$
		Sample C16-2, being re-sampled by Maury 3 feet N.E., 7 in. wide.	3.62	2.48	$72^{\text{oz}} + 2^{\text{oz}}$
		Sample C16-3, from a pit 32 feet S.W., 18 in. wide, solid quartz with 3% to 5% pyrite.	.04	.96	
		Sample C16-4, of the wall rock at this point. 24in. wide.	Tr.	.90	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		Sample C16-5. 63 feet S.W. of C16, but not in the direction of Cut C15A. 14 in. wide.	.09	1.37	
C17	D12	Fortune Claim. 40 feet N.E. of C16. Cut 40x10x7. Granodiorite walls. Quartz 7 in. wide.	.92	1.60	18.40 + .40
C17A	D12	Fortune Claim, between C16 and C17. 15 feet from C17. Quartz, pyrite and iron oxide. 7 in. wide.	.94	8.36	18.80 + 2.25
C18	C12	Fortune Claim, probably on the Sheldon Vein system. Long stope curved at S.W. end. 20 feet deep and filled in the bottom. See sketch.			
		Sample C18-A, North Face, about 12 feet under ground, had quartz and silicified country rock with white iron pyrites. 12 in. wide.	-	Tr.	
		Sample C18-BF. In crosscut N.W. in stope, 15 feet under ground. Stringers of quartz and pyrite. 4 in. wide.	.05	1.10	
		Sample C18-C. Specimens from pieces of quartz with some pyrite on the dump, selected as probably the best.	.80	1.10	+16. + .27 Tr.
		Rose stated that Gus Delihn is reported to have stoped this ore a foot wide and that it milled $98 a ton. Ground is hard and tight with a very irregular quartz seam showing some pyrite. It is claimed that 75 to 100 feet N.E. there is a parallel vein, but there does not appear to be any work between the N.E. end of this stope and Shaft 6 200 feet away.			
		Beyond this shaft are S7, CS7A and B.			
C19	B14	Northeast end of the Fortune Claim. Shows nothing of value.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C20	B14	Northeast end of Fortune Claim. This has a large yellow dump showing possibly 50 tons, with probably 15% quartz and pyrite. Sample C20-S, specimens representative of the rock on the dump, assayed	-		.60
C20A	B14	These cuts to the N.W. show			
C20B	B14	nothing of value.			
		To the N.E. is S8, and then			
C21	B14	On Pine Mountain Claim. This shows caved stopes 18 in. wide in altered granodiorite.			
C22	N3	Ninety-eight Claim. This is on the Sheldon Vein system, about 3100 feet S.W. of the main shaft, near a corner, probably that of the Independence Claim, at the S.W. end of the ridge. In altered granodiorite. Strike is N 40° E, dip SE 75°. This is a good strong vein with considerable hard quartz, some honeycombed. Grenodiorite walls. Sample C22-F. 3 in. of quartz.	.03		.49
		Sample C22-North Face. Nearly all quartz; all oxidized. Does not cover entire width of vein. 44 in. wide.	-		.36
C23	N3	Ninety-eight Claim. N.E. of C22. Shows some good white quartz, but the entire vein is not shown and no sample was taken. Omitted from map.			
C24	N3	Ninety-eight or Independence Claim. About 50 feet down the slope. Cut 20 feet long. Strike N 50° E, dip 72° SE. Sample C24-A Face. Mixed quartz and porphyry on the hanging wall side. 54 in. wide.	.02		.54
		Sample C24-B Face. Mixed altered granodiorite with quartz stringers. 48 in. wide.	.14		.26

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C25	N3	Ninety-eight Claim. Along side hill, across gulch, to the S.W. of T7.			
		Sample C25-A Face. Foot wall side. Granodiorite with iron oxide. 10 in. wide.	.01	.60	
		Sample C25-B Face. Quartz and pyrite. Immediately over A. 30 in. wide.	.01	2.5	
		Between this and the following sample there is 47 inches of altered granodiorite.			
		Sample C25-C Face. Oxidized portion of vein, next hanging wall. Altered granodiorite with iron oxide. 32 in. wide.	-	.56	
		The strike from this point to tunnel No. 7 is about N 30° E.			
C26	N3	Ninety-eight Claim. Close to C25. No samples.			
C27	P3	Big cut at the northeast of the Ninety-seven Claim. 25 feet long, 10 feet wide, and face 15 to 20 feet high. Foot wall portion of the vein is not opened in this cut.			
		Sample C27-A. Foot wall side, on the surface outside of cut. All quartz, some solid, some honeycombed, with 1 to 2% pyrite. Width 32 in.	Tr.	.66	
		Sample C27-B. Underlying C. Hard compact quartz with considerable pyrite, showing sulphur separated out on surface. Width 28 in.	Tr.	.32	.20
		Sample C27-C. Hanging wall side. Next gouge. Oxidized, mixed altered granodiorite, with considerable iron oxide. Width 24 in.	-	.70	
		Sample C27-Repeat. Taken by G.D.French. Selected pyrite, carried 25.5% Fe.	-	Tr.	.20
		Casey states that there is a winze below the bottom of this cut 40 feet deep, which is reported to have shown ore carrying 2.5% Copper and $4 in Gold.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C28	P3	Ninety-seven Claim. Nothing of consequence exposed. Omitted from map.			
C29	Q2	Ninety-seven Claim. Cut near S9. A little honeycomb quartz up to 4 in. wide on the dump. Sample C29-S. Specimens showing some pyrite and blue quartz on the south side of the gully. 4 in. wide.	Tr.	.76	
		NOTE: This is the last opening in the southwesterly direction on the Sheldon Vein system.			
C30	D19	Northeast fraction Golden Fleece Number Two Claim, Mudhole Group. Dump not far from old assay office. Sample C30-S. Specimens from dump showing heavy lead with considerable pyrite and possibly tetrahedrite. Not much like it on the dump.	.94	5.54	1.4
C30A	D19	Golden Fleece Number Three Claim, Mudhole Group. About 75 feet S.W. of C30, near rhyolite contact. Nothing appeared to be worth sampling, and this cut omitted from map.			
C30B	C21	Snowflower Claim, Mudhole Group. About 200 feet S.W. of the new Mudhole shaft, on the ridge. Cut 8 feet deep in slatey schist. Strike N 50° E, dip 80° SE. Sample C30B-1, from the North Face, rounded, brecciated quartz with some altered light greenish to brown granodiorite(?). 10 in. wide.	.08	1.5	
		Sample C30B-2, North Face, altered silicified slate with quartz stringers through it. 17 in. wide, underlying No. 1.	-	Tr.	
		Sample C30B-3. Gray slate with a few half-inch quartz stringers scattered through it. Underlying No. 2 and extending to the white slate foot wall. 50 in. wide.	-	Tr.	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C31	D18	Golden Fleece Number Three Claim, Mudhole Group. Cut 20 feet long with 10-foot face, on contact of gneissoid granite and greenish schist. This is possibly the vein in the hanging wall of incline shaft S13, and the most southeasterly of the three Mudhole veins; however, it does not show the rhyolite hanging wall which is to be seen in the tunnel and in T9 and in T21. Hanging wall N 47° E, dip 80° SE. No foot wall.			
		Sample C31-F. Silicified porphyry with some quartz, showing reddish specks of iron oxide, possibly a little manganese. 40 in. wide.	.56	5.18	Tr.
		Sample C31-AFW. Re-sample of face on the west side. 6 in. wide.	-	Tr.	
		Sample C31-B. Space under previous sample, but includes 6 in. of silicified gneissoid granite on hanging wall, and 16 in. on the foot wall of silicified slate. Total width 40 in.	.14	.14	
		Sample C31-C, North Face. 36 in. of mixed quartz and silicified slate, and 24 in. of slate with quartz seams. Total width 60 in.	-	-	
C31A	D19	About 200 feet N 30° E from C31, in slate with jaspery chunks. This is possibly on the Golden Fleece Number Two. It may be that this is the northwest parallel vein showed in the crosscut from the Mudhole tunnel.			
		Sample C31A-S. Specimen of drusy quartz with some pyrite.	.01	1.02	
		Sample C31A-Sugar Quartz, from the north face of this cut. 8 in. wide.	-	Tr.	
C31B	D19	Golden Fleece Number Three Claim. Entirely different ore from preceding, being largely schist having a nearly vertical dip. No samples taken. This is possibly the vein on which the Mudhole tunnel is opened.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C32	E18	Golden Fleece Number Three Claim. About 250 feet up the hill to the N.E. from the portal of the Mudhole tunnel. Strike N 62° E, dip 66° SE. Possibly same vein as Mudhole tunnel. Sample C32-F. 14 in. wide. Does not include 16 in. of quartz on the foot wall. Shows some iron oxide.	.08		.50
C33	E18	Golden Fleece Number Three Claim. N.W. of C32. Probably on parallel vein. Strike N 45° E; dip at this point about 90°. Apparently with schist walls. Sample C33-A. Foot wall side, quartz, gray, with iron oxide red to brown. 16 in. wide.	-		Tr.
		Sample C33-B. North Face. Hanging wall side. Three streaks of quartz in slate; separated from A by 30 in. which may be partly igneous rock. 16 in. wide.	-		.20
C34	A22	North end of Snowflower claim. Cut 25x10x7-ft. face. Strike N 55° E, dip about 75° SE. Schist hanging wall, gneissoid granite on foot wall. Possibly parallel vein to Mudhole. Sample C34-A Face. Foot wall side. 2 in. of quartz, 6 in. altered granite, 1 in. of quartz, 5 in. altered granite, 1 in. of quartz, somewhat honeycombed. Total width 15 in.	.16		.70
		Sample C34-B Face. Hanging wall side. Quartz with silicified country rock. 8 in. wide.	Tr.		.36
C35	A22	Gold Belt Claim. About 25 feet due north of Shaft 14. A little quartz 4 in. wide on dump. Omitted from map.			
C36	A22	Gold Belt Claim. Cut 12x6x8. Would be on vein to the N.W. of C34, and dips NW 68°. Strike N 50° E. Quartz seam in altered gneissoid granite. 3 in. wide.	Tr.		.24

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C37	A23	Gold Belt Claim. Same vein as C35. About 75 feet N.E. of it. Shallow old cut. Apparently in gneissoid granite.			
C38	A23	Gold Belt Claim. 2-foot cut. No importance. Omitted from map.			
C39	A23	Gold Belt Claim. Probably same vein as C34 and S14. 4 in. dull white quartz in gneissoid granite. Somewhat mineralized.			
		Sample C39-South Face. 14 in. wide.	-	.22	
		This opening is farthest N.E. of any on the Mudhole system.			
C40	G9	Capital Claim. Capital Vein system. Cut 40 feet long S.W. of Grove's house. No mineralization. Omitted from map.			
C41	G9	Capital Claim. Very probably Capital Vein; referred to as East Split. Just below trail south of Grove's house. 1 foot of quartz in granodiorite, but apparently not in place.			
		Sample C41-Face. 6 in. wide.	.11	1.92	
C42	G9	Capital Claim. Possibly Capital Vein. 30 feet up hill from C41. Old cut 5x10x2 feet. Quartz 2 in. wide. Not attractive.			
C43	G9	Capital Claim. Possibly Capital Vein, East Split. N 15° E. Rusty honeycomb quartz with granodiorite walls. 6 in. wide.	-	.24	
C44	G9	Capital Claim. Cut 20x10x5. Was not cleaned out.			
C45	G9	Capital Claim. Probably Capital Vein, East Split. Cut 20x6x3. Some quartz.			
		Sample C45-S. Specimens from dump	.28	6.0	
		Re-sample from face after cleaning, 2 in. honeycomb white quartz, 2 in. dense white quartz, total width 5 in.	.01	2.10	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C46	G9	Capital Claim, below Jones' house. Similar filled cut, but quartz stringers in size here to chunks 12 to 15 in. wide.			
C47	F9	About 200 feet N.E. on Capital Claim. Probably Capital Vein. Cut 20x5x3. Strike N 35° E. Possibly connecting old stope from C48.			
C48	F9	Capital Claim. Probably Capital Vein. Apparently old stope. N 35° E. Dip 77° SE. Very little quartz.			
C49	F10	Capital Claim. Probably East Split of Capital Vein. Evidently was cut 30 feet long, N 38° E, dip 80° SE, ending in tunnel about 15 feet. Mostly sheared granodiorite. Sample C49-B. 1½ in. of quartz with 5½ in. of altered granodiorite assayed	-		.86
C49A	F10	Capital Claim. Capital Vein. Probably extended under C49. Sample C49A-Face. 2 in. wide	.01	2.10	
C50	F10	Capital Claim. Dump of considerable size, but not much to be seen.			
		NOTE: These openings are S.E. of T10, the Capital tunnel, near road, and possibly on a parallel vein.			
C51	F10	Capital Claim. With the dip changing as indicated in the North Face of T10, the Capital tunnel, it is quite possible that this cut is on the Capital Vein, though it may be on the East Split near where it joins. Cut 8x8x4. Strike N 49° E, dip 81° SE. Sample C51-North Face. 8 in. wide.	-		.52

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C51A	E10	Capital Claim. About N 40° E 200 feet. Shows some small quartz but is unimportant. Omitted from map.			
C51B	F10	Capital Claim. This is a big cut about N 40° W 100 feet on the pipe line, but also shows very little and is omitted from map.			
C52	F9	Capital Claim. Capital West Split. About 75 feet NW of Jones' house. Pit 5 x 2 x 1. Was not cleaned out. Showed considerable quartz on the dump. Sample C52-S. Specimens up to 8 in. wide of honeycomb quartz with iron oxide assayed	Tr.		.12
C53	G9	Capital Claim. This is a shallow pit of no value.			
C54	D12	First North Capital Extension Claim. Cut 10x15x5-foot face, under the pipe line. Strike N 40° E, dip 65° SE. Sample C54-South Face. 29 in. wide, of which 6 in. is honeycomb quartz, balance honeycomb granodiorite with iron oxide.	.01		4.18
C55	D12	First North Capital Extension Claim. About 50 feet west of S17. Nothing important. Omitted from map.			
C56	D13	First North Capital Extension Claim. Up the hill from T11, perhaps on the next parallel vein. Cut 4x3x2. Dump shows a little quartz 4 in. wide in altered granodiorite.			
C57	D13	First North Capital Extension Claim. About 20 feet S 80° from C56. Evidently not on the same vein, provided there is any vein at C56. Cut 10x8x2. Some quartz. N 62° E, dip 73° NW, but possibly not in place. Width 10 to 12 in. in altered granodiorite, with iron oxide. Sample C57-S	.11		.63

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		Sample C57-Face. 4 feet below surface; pinched to 2 in. here.	Tr.	.14	
		NOTE: This is between 100 and 200 feet S.E. of the main Capital Vein, if strike and dip are continuous.			
C58	D13	First North Capital Extension Claim. Old small cut, with small pile of quartz which may possibly be float. Omitted from map.			
C59	D13	First North Capital Extension Claim. Cut 5x4x5-foot face. Some altered granodiorite. Not cleaned out, but apparently of no value. Omitted from map.			
C60	D13	First North Capital Extension Claim. Up the hill from C59 in a southerly direction about 50 feet. Cut 5x3x2 in altered granodiorite. Sample of 2 in. of quartz with 2 in. of mixed quartz and granodiorite. Total 4 in.; from the bottom.	-	Tr.	
C61	D13	First North Capital Extension Claim. A little less than 100 feet N 50° E from C59, and down hill. Shallow cut 5x3x2 feet. Cleaned out and apparently all granodiorite with the exception of a little quartz which assayed Sample C61-F. 7 in.	-	Tr.	
C62	D13	First North Capital Extension Claim. Less than 20 feet down hill to the N.E. of C61. Nothing of value. Omitted from map.			
C63	D13	First North Capital Extension Claim. Down hill a little more than 150 feet from C62. Cut 10x8x3. Cleaned out and showed some stained granodiorite, but nothing of value. Omitted from map.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C64	C13	First North Capital Extension Claim. About 100 feet east of C63, across long gulch. Cut 10x10x5. Sample C64-S. Specimens of quartz on the dump, of which there was very little, assayed	.17	.20	
C65	C13	First North Capital Extension Claim. Above the pipe line, on the hillside close to the road. Showed no definite structure. No value. Omitted from map.			
C66	C13	First North Capital Extension Claim. Condition similar to C65.			
		NOTE: There is considerable quartz on the hillside along the line of C63, C65, C66, R2, C69, C70 and C68 down to the road, but the source of this was not found. The values from specimens on the dumps do not indicate that it is important.			
C67	C13	First North Capital Extension Claim. Probably an old cellar close to the road. Omitted from the map.			
C68	C14	First North Capital Extension Claim. Close to the road. Omitted from the map. There is apparently nothing of importance excepting that it seems to be all granodiorite with boulders of float quartz.			
C69	C14	First North Capital Extension Claim. Like C68.			
C70	C14	First North Capital Extension Claim. Like C68.			
C71	C14	First North Capital Extension Claim. About 50 feet north of C13. Close to the pipe line. Cut 15x15x5. Shows a few pieces of rose-colored quartz, but only granodiorite to be [illegible]			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C72	C14	Near N.E. end of the First North Capital Extension Claim. Near the road. Cut 40x10x7. This ends in a tunnel about 20 feet S 20° W. The dip is 70° SE. Shows slightly sheared granodiorite 5 feet wide, with only 1½ in. of quartz and a little iron oxide. Not important.			
C73	D14	Midnight Snap Claim. West ledge. Cut 10x7x2. Altered granodiorite with very little quartz. Sample C73-S. Specimens from dump assayed	.33	.97	
C73A	D14	Midnight Snap Claim. About 50 feet west of 73B. Has an east and west direction. Cut 12x5x2 feet. Shows some honeycomb quartz and porphyry, but probably is merely float. Omitted from map.			
C73B	D14	Midnight Snap Claim. About 50 feet west of S28. N 48°E, dip 73° S. Pit 12 feet in diameter and 6 feet deep. Sample C73B-S. Specimens from dump, one with a little galena, assayed	.50	2.2	
		After cleaning out to a depth of 10 feet, a sample across 4 in. gave	-	Tr.	
		Apparently the other specimens were float and did not come from this point.			
C73C	D14	Midnight Snap Claim. Small cut with nothing of value. Omitted from map.			
C74	D14	Midnight Snap Claim. Toward the corner of the Eureka. Apparently called the West Slip on the old map. N 47° E. Dip vertical. Sample C74-Face. 8 in. of quartz.	0	0	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C74A	D14	Midnight Snap Claim. Cut 15x5x3. This cut and C74B and C74C run up the hill about N 67° W, 60 feet from S20. Apparently on the seam of altered slightly silicified granodiorite with some iron oxide and having practically no value.			
C74B	D14	Midnight Snap Claim. Cut 15x7x6. See above.			
C74C	D14	Midnight Snap Claim. Cut 3x3x2. See above.			
C75	D14	Cut 150 feet long on Midnight Snap and Eureka Claims. Extending from just above S20, with a width of 10 feet and depth of 5 feet or more.			
		Samples taken November 26 follow:			
		C75-A. Specimens of coarse quartz from the N.E. end of the dump.	1.58	3.38	
		C75-B. Specimens from the middle section of the dump.	.36	.5	
		C75-C. Specimens picked from the upper or S.W. section of the dump.	.15	2.51	
		Later a large amount of digging was done here, and on December 13 samples from the back of an old stope 15 feet underground at the S.W. end gave			
		C75-X. Foot wall streak, 9 in. of quartz.	.02	.5	
		C75-Y. Hanging wall streak, 8 in. of quartz with some altered granodiorite, but no pyrite.	Tr.	.26	
		This appeared to be on a contact of an intrusive tongue of granodiorite into schist.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C76	E14	Midnight Snap and Eureka claims. 80 feet S.E. of C75 and about parallel with it. Cut 25 feet long, 7-foot face, running N 45° E. Specimens of quartz on the dump, some with considerable iron oxide.			
		Sample C76-S. Specimens of quartz on the dump.	.0	Tr.	
		Sample C76-2. Quartz with heavy white pyrite.	.02	2.0	0.22
C77	E14	Eureka Claim. Cut 20x5x3. South of the north end of Cut 80. Shows some honeycomb quartz on the dump.			
		Sample C77-S. Specimens.	.22	.54	
		This may possibly connect with C78, N 32° E from it. Looks like the same quartz. It continues fairly regularly to C76, which is 20 feet N.E. in the same direction. To the S.W. of C76 is C80, while C75 parallels it to the N.W., with C100 at the S.W. and a little off the strike on the S.E. side.			
C78	E14	Eureka Claim. Very likely the same vein shown in C77. Cut 15x6x3. Shows 6 to 8 in. of quartz having a fairly loose structure. N 37° E. Dip 75° SE.			
		Sample C78-F. Across 8 in. of white quartz, honeycombed, in granodiorite.	.03	2.73	
C79	E14	Eureka Claim. Across trench S.W. of S23. Does not show much, but was not cleaned out. It might have the S23 vein at the start, at the S.E. end, and the C78 vein at the face.			
C80	E14	Eureka Claim. Cut about 200 feet long, the north end being S60° W, and the south end S40° W.			
		Sample C80, from the bottom at the north end, 30 inches wide.	.16	.7	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C81	E14	Eureka Claim. A branch of C80. N 60° E, dip 80° SE. Sample C81-Face. Covering 4 in. of altered granodiorite and 3 in. of quartz, total 7 in.	.33	1.23	
C82 C83 C84	E14 E14 E13	Eureka Claim. These are a series of cuts about 5 feet deep, having a direction of N 50° E along the S.E. side of the long dump at S24. They are largely in hard blocky granodiorite. The C83 dump shows 2 or 3 in. of quartz, but it seems too far northwest to cut the vein in S25, though this may be the vein covered by these cuts.			
C85	E13	Eureka Claim. Cut 10x15x5 on the S24 vein. Strike about N 40° E. Distance from S24 about 90 feet. Shows some horizontal quartz stringers going into the wall. Sample C85-South Face. 26 in.	-	Tr.	
C86	E13	Eureka Claim. A shallow long cut on the S.E. side of S25. Shows very little, and omitted from the map.			
C87	E13	Eureka Claim. Cleaned out and showed practically nothing.			
C88	E13	Eureka Claim. Cut 12x8x4-foot face. Appears to be S.E. of the line of the S24 vein, and N.W. of the line of the S25 vein. Sample C88-South Face, having a strike of N 20° E, and dip of 79°W, showing 12 in. of silicified granodiorite with a half inch of quartz assayed	-	Tr.	
C89 C90 C91	E13 E13 E13	Eureka Claim. These are about 100 feet north of C92.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per ton. GOLD	SILVER	% COPPER
		C89 was cleaned out and showed a strike of N 62° E, with a dip of 80° NW.			
		Sample C89-North Face. 5 in. of solid compact quartz with a little iron oxide, assayed	.11	1.0	
		C90 and C91 showed very little and were omitted from the map.			
C92	F13	Eureka Claim. Cut N 60° E, over 100 feet long, with small pit S26 sunk about the center. All in granodiorite.			
		Sample C92-Face is practically all vesicular sugar quartz with ¼ in. of red clay in the center. 18 in. wide.	Tr.	.28	
C93	F13	Eureka Claim. Cut 15x5x3 feet. Altered granodiorite somewhat silicified and honeycombed, showing very little quartz. Of no value. Omitted from the map.			
C94	F13	Eureka Claim. In granodiorite and in line with C92. Possibly same vein as S24, which is supposed to be the Eureka Vein. Cut 5x2x1, with quartz up to 4 or 5 in., and specks of fine pyrite.			
		Sample C94-S. Specimens from dump assayed	-	.32	
C95	F12	Eureka Claim. Cut 30x3x3 feet. Evidently a trench following the vein. In granodiorite. Quartz up to 10 in. wide, somewhat drusy. Apparently a vein which has been reopened.			
		C95-S. Specimens from dump assayed	.23	2.73	
		After cleaning out, Sample C95-AF, 10 in. wide, was taken from the bottom on the S.E. side and assayed	.11	2.62	
		C95-BF, 12 in. wide, from the bottom on the N.W. side, hard quartz, stringers with some altered granodiorite, assayed	.18	2.08	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per ton GOLD	SILVER	% COPPER
C96	F12	Eureka Claim. 25x5x4-foot face, and apparently only a prospecting trench. In granodiorite. Omitted from the map.			
C97	F12	Eureka Claim. Probably a continuation of the vein in C95. Sample C97-F. Compact quartz with 2 in. of altered granodiorite next the foot wall, dipping apparently 85° NW. 30 in.	-	Tr.	
C98	D14	Midnight Snap Claim, west of S22. Granodiorite on the N.W., and schist on the S.E. Shows about 12 in. of quartz in the face dipping 75° SE. Sample C98-F. 12 in. wide.	Tr.	.0	
C99	D14	Midnight Snap Claim. 10x7x10-foot face. Shows 4 in. of quartz with silicified granodiorite. Some iron oxide. Dipping 80° SE. Sample C99-F.	.02	.26	
C100	E14	Eureka Claim. Lies to the north of the lower end of C80. 12 feet in diameter by 6 feet deep. Dump mostly granodiorite but with considerable quartz and leached iron. Sample C100-S.	-	Tr.	
C101	C15	Midnight Snap Claim. Eureka Vein System. 20 feet from the pipeline and 250 feet from the road. Cut 7x12x4. Altered granodiorite with quartz up to 8 in. wide. Sample C101-S.	-	Tr.	
C102	C15	Midnight Snap Claim. Cut 15x3 showing 2 to 3 in. of quartz which is probably float. Granodiorite and some altered sediments on the dump, with a little white pyrite. This is about 70 feet east of C101 and is omitted from the map.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per ton GOLD	SILVER	% COPPER
C103		There is no cut with this number.			
C104	D15	Midnight Snap Claim. Up the hill to the N.E. from C108. Probably on the same vein as C139, but nothing on the dump, and omitted from the map.			
C105	D15	Midnight Snap Claim. Cut 5x4x3. Apparently on granodiorite tongue in schist and on the vein in S28, but shows nothing of importance, and is omitted from the map.			
C106	D15	Midnight Snap Claim. Is a cross trench 12x5x3. Apparently in altered granodiorite, with some brown iron oxide. Cuts the S28 vein at the upper end. Sample C106-F. 9 in. wide.	.01		.10
C107	D15	Midnight Snap Claim. Possibly the first vein in Eureka tunnel. Small pile of altered brown granodiorite, with very little quartz, up to 6 in. wide. Same vein as S29.			
C108	E15	Midnight Snap Claim. Probably an assessment cut. Running N 50° E. 15x6x10. Granodiorite at the S.E.			
C109	D14	Midnight Snap Claim. A tunnel N 40° E, practically vertical dip. Sample C109-A. Across the whole vein at the portal. 5 in. wide.	.24		5.02
		After opening, showed schist on the S.E., granodiorite on the N.W. Sample C109-Face. Quartz 7 in. wide.	.01		.24
C110	D14	Midnight Snap Claim. Cut 40x10 x10. In schist. Opposite C109. Probably was a tunnel which has caved. C183 is about 20 feet to the S.W. No defined vein.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per ton GOLD	SILVER	% COPPER
C111 C112 C113	E14 E14 E14	Midnight Snap Claim. Pits along the summit of ridge in a direction of S 50° W toward S23. Show a little quartz 3 in. wide. Of no importance.			
C114	E14	Eureka Claim. Like preceding.			
C115	E14	Eureka Claim. Shows nothing of importance.			
C116	E14	Eureka Claim. 10 feet deep. Probably the top of an old tunnel. Shows slip N 15° E, with dip 64° E, but no ore on the dump.			
C117	E14	Eureka Claim. Possibly another caved opening in the same tunnel.			
C118	E14	Eureka Claim. This is along the same line, and shows nothing of value.			
C119	E14	Eureka Claim. Near the schist on the south side. Possibly from an old stope which connects back with shaft 31, which it resembles, but with much more quartz. Very likely stringers from the First Eureka tunnel vein. Strike N 42° E, dip about 90°. Sample C119-N.E.Face. 29 in. wide.	-		Tr.
C120	E14	Eureka Claim. Cut 50 feet N 40° E. Granodiorite on dump. Has a 2-in. pipe connecting with drift from the Eureka tunnel.			
C121	E14	Eureka Claim. Cut 20x20x10. Caved. Omitted from map.			
C122 C123 C124	E14 E14 E14	Eureka Claim. Line of cuts about N 40° E. Filled. Near S30. Showing a little quartz and pyrite, and probably also exposed in the Eureka tunnel 15-foot drift N.E. at 320 feet from the portal.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per ton GOLD	SILVER	% COPPER
C125	E14	Eureka Claim. 15 feet S.W. of C124. 10x3x10. Strike N 40° E, dip vertical. Sample C125-No. Face. 20 in. wide, quartz and silicified granodiorite, all oxidized. Taken by G. D. French, 10 feet down.	Tr.		.36
C126	F14	Eureka Claim. About 60 feet S.W. of C125. Cut 4x2x6. Has a very small dump. Is partly filled. Has a little good quartz.			
C127	F14	Eureka Claim. Shallow filled cut with pieces of good quartz 1 foot wide. Granodiorite walls.			
C128	F13	Eureka Claim. 10x6x4. In altered granodiorite. N 40° E, dip 90°. Sample C128-S.W.Face. About all vesicular quartz. 24 in. wide.	Tr.		2.10
C129	F13	Eureka Claim. This is not in line with the above cuts and shows nothing of value on the dump. This seems to be at the end of the exposures on this particular vein.			
C130	F13	Eureka Claim. Just above old road. Considerable quartz. Strike N 55° E, dip 85° SE. Sample C130-F. 7 in. of quartz with granodiorite on both walls.	.24		.68
C131	F13	Eureka Claim. On the N.E. side of the gulch. A double cut with granodiorite boulders, but apparently no vein. Omitted from map.			
C132	F13	Eureka Claim. Shows a little copper stain with malachite on granodiorite seams, but apparently nothing of value.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C133	F13	Eureka Claim. A long cut showing quartz, but evidently not in place.			
		NOTE: It is quite probable that some unexposed fissure near here has supplied the copper deposited on the seams in granodiorite. Rather large granodiorite boulders in this vicinity make prospecting difficult.			
C134	F12	Eureka Claim. Up the gulch perhaps 50 feet on the S.W. side. All granodiorite. Nothing of value. Omitted from map.			
C135	F12	Eureka Claim. Long cut. Strike approximately S 50° W. Dip uncertain, but apparently about 75° to the S.E. Considerable quartz on the dump.			
		Sample C135-South Face. Largely mineralized granodiorite somewhat silicified with blue quartz. 10 in. wide.	.01	.30	
		Granodiorite on both sides here.			
C136	G12	Eureka Claim. Shallow cut 5x5x2. Only 10 feet from C137. Of no importance. Omitted from map.			
C137	G12	Eureka Claim. 10x7x3. Showing much good quartz with altered granodiorite. Strike N 30° E, dip 88° SE. Near corner of Eagle and Luther.			
		Sample C137-S. Specimens from dump. Rather coarse white quartz with a little white pyrite. Possible maximum width 6 in.	.62	3.18	
		After cleaning out, Sample C137 from two faces, north 6 in. wide, south 8 in. Vesicular quartz with some pyrite and iron oxide. Well defined foot wall.	.03	1.98	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C138	F12	Eureka Claim. Cut 8x4x3. Shows no rock in place, and omitted from map.			
C139	G12	Eureka Claim. Also a filled cut which was not cleaned out.			
C140	G12	Eureka Claim. Shows a rather good-looking vein with both walls granodiorite. Sample C140-South Face. Hard vesicular quartz with strike of N 55° E, dip about 90°. 12 in. wide.	.01		.54
C141 C142 C143	G12 G12 G12	Eureka Claim. These are close to the New State line. Rather shallow cuts, filled up, which on partly cleaning out appear to be only float, although there are some very large pieces of quartz. From this point N.E., down the hill, about 300 feet to the gulch, then up hill about 200 feet to C97, there is considerable quartz on the hill slope, though more of it on the S.W. side of the gulch. The source of this is somewhat in doubt. Some specimens assayed do not show any value of consequence, and these cuts are omitted from the map.			
C144	G11	New State Claim. Supposed to be on the Rattlesnake Vein. Cut 15x6x3. Strike N 52° E. Just above and west of the railroad grade. Mixed quartz up to 10 in., with altered granodiorite, indicate a vein over a foot wide, frozen to the country rock. Quartz is partly dull and granular, but some honeycomb, with a little white iron pyrites. Sample C144-S. Specimens from dump assayed	Tr.		1.0

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C153	I10	New State Claim. To the S.W. of the Curran shaft (S32). Cut 10x8x5. Apparently on the same vein as C155, and not cleaned out after face sample there showed so little value.			
C154	I10	New State Claim. About 40 feet south of C153. Merely silicified porphyry.			
C155	I10	New State Claim. Cut 12x10x4. In granodiorite. Probably on the same vein. Shows considerable good quartz.			
		Sample C155-S. Specimens assayed	.64	1.72	
		The cut was then cleaned out, and Sample C155-F, rusty quartz, 7 in. wide, having a dip 83° NW assayed	.01	2.10	
		NOTE: There is considerable float quartz and some very shallow unmarked cuts extending 20 to 70 feet S 50° W from C155.			
C156	I10	New State Claim. Filled cut showing a little good quartz, but was not cleaned out.			
C157	I10	New State Claim. Close to the road, south of the tailing dam, near the creek. Shows very little, and was possibly an old cellar.			
C158	G9	Capital Claim. Back of Grove's house. Down hill toward the tailing dam. Line of cuts on the S.E. Capital Vein running about N 35° E with a dip of 90° , and is possibly the vein about 50 feet back from the face in the 650-foot crosscut.			
		Sample C158-A. Face N.W.side. Some quartz 10 in. wide.	.35	8.28	.22
		Sample C158-B. Face S.E.side. 7 in. of honeycomb quartz.	.23	16.08	.36
C159	G9	Capital Claim. Cut 15x7x6. N.E. from C158. Filled with rock. Not cleaned out.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C160	G9	Capital Claim. N.E. from C159. 30x8x6. Filled with rock. After cleaning out, shows quartz in diorite, having a strike of N 22° E, and a dip of 61° NW. Sample C160-F. 9 in. wide.	Tr.		.6
C161	G10	Capital Claim. Up the hill about 90 feet to the N.E. Strike N 45° E, dip 55° N.W. Sample C161-Face. 25 in. wide, of which 2 in. is clean honeycomb quartz, and the balance mixed quartz and granodiorite.	.01		.88
C162	G10	Capital Claim. On the hill to the N.E. of Cuts 158 to 161. 15x5x3. With some boulders of honeycomb quartz. This was not cleaned out after getting results on C163.			
C163	G10	Capital Claim. In line with C162. In granodiorite. Was cleaned out, and Sample C163-Face. 5 in. wide assayed	Tr.		.82
C164	K12	Monroe Claim. This cut was found to show nothing and was omitted from the map.			
C165	K11	Monroe Claim. This cut is well up the hill above the Monroe tunnels (T14, T15). 25x4x5-foot face. Shows a vein with strike N 20° E, dip 60° SE. Sample C165-A. Foot wall side. Altered silicified porphyry. 22 in. wide.	.01		6.26
		Sample C165-B. Hanging wall side. Almost friable honeycomb quartz. 24 in. wide.	Tr.		.56
C166	K11	Monroe Claim. A small cross-cut tunnel. 20 feet long. Evidently started with the purpose of cutting C165 at a lower elevation.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		In altered granodiorite. In the face it shows 2 in. of quartz with a strike of N 50° E, and a dip of 90°. It was omitted from the map as unimportant.			
C167	L11	Monroe Claim. A small cut 15 feet above C165, showing a vein 3 feet wide similar to that.			
C168	L5	Independence Claim. A cut showing two splits, with rather rusty quartz separated by 2 feet of waste. Strike of N 68° E, dip 80° N. In granodiorite. Unimportant.			
C169	K6	An unimportant cut about 125 feet S.E. of T16 on Copper Number Two Claim. It is S.W. of the New Strike Claim. Not important.			
C170	M4	Ninety-eight Claim. 85 feet S 15° E from the N.E. corner of Copper Number Two Claim, and is the first opening on the hill S.W. of the Victory tunnel which has the character of the Sheldon Vein. The strike is N 55° E, and the dip 72° SE.			
		Sample C170-A. From the foot wall side of the South Face. Vesicular quartz showing some pyrite and about 8 in. of silicified granodiorite. Total width 33 in.	Tr.		.28
		Sample C170-B. Hanging wall side shows 10 in. of silicified granodiorite with fine pyrite scattered through it, then 8 in. of very hard solid quartz, and 4 in. of soft altered granodiorite, frozen to the walls. It shows considerable pyrite. Total width 22 in.	-		Tr.
C171	E9	Champion Claim. On what is probably the Last Chance split of the Sheldon Vein.			
		Sample C171-S. Specimens from dump here. Oxidized and rusty quartz up to 4 in. wide.	.02	7.44	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
C172	D10	Champion Claim. Same split as C171. Quartz, pyrite, possibly a trace of tetrahedrite, considerable copper stain. 5 in. wide. Sample C172-S.	Tr.	12.02	2.53
		NOTE: These two cuts are on a line of cuts, pits and tunnel(T20) near the N.E. corner of the Champion Claim on the Last Chance split.			
C173	D14	Fortune Claim, or just off it at the N.E. end. Cut 10x10 filled with water. Dump very largely quartz with some granodiorite and a little pyrite. Apparently a large vein as pieces of quartz up to 12 in. wide appear on the dump. Sample C173-S. Specimens taken from all over this dump of all kinds of rock assayed	.03	.30	
C174 C175 C176	D14 C14 B14	These cuts are near the S.E. corner of the Fortune Claim, and the N.E. corner of the First North Capital Extension Claim. They show considerable quartz, but quite a little cleaning out failed to find the vein in place.			
C177	K13	The Penn Claim. This is near the S.W. end. Cut perhaps 300 feet up the draw from the gulch, about 20x5 x5-foot face. In schist. Strike N 45° and dipping 75° S.E. Sample C177-S.Specimens from the dump looked as though there might have been some granodiorite intruded here. Showed a little red iron oxide, slightly silicified, but nothing looking like ore.	Tr.	.80	
C178	K14	The Penn Claim. This is a cut about 20 feet across, 9 feet deep, on top of the ridge. Too much caved to see. Possibly in schist having a strike N 60° E. There is some quartz on the dump and a little solid pyrite in spots, with a trace of copper.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		To one side there is considerable fine pyrite.			
		Sample C178-S. Specimens of the best quartz and pyrite up to 4 in. wide.	.02	8.40	
C179	B21	Snowflower Claim. These two cuts in the gulch above Walker Post-office showed nothing of importance.			
C180	B21				
C181	E12	First North Capital Extension Claim. This is a cut south of C153, and on cleaning out proved to be a tunnel.			
		Sample C181-S. Specimens from the dump up to 3 in. wide.	.04	6.12	1.06
		After cleaning out, found that there was a drift from the tunnel N 20° E showing quartz about 23 in. wide with a dip of 75° to the N.W.			
		Sample C181-2. 23 in. wide.	-	6.46	
C182	E11	Capital Claim. Cut over S15T, shows a wall N 40° E, dipping 75° NW, with 3 in. of honeycomb quartz and 10 in. of altered granodiorite. This was omitted from the map.			
C183	D14	Midnight Snap Claim. About 20 feet S.W. of C110. Caved tunnel. Granodiorite to the N.W. Possible contact to the S.E. with schist. Evidently about the southwesterly limit of the schist here. No defined vein and omitted from the map.			
C184	D14	Midnight Snap Claim. About 75 feet from S20. Outcrop above old cut.			
		Sample C184-Face. 4 in. wide.	.02	.38	
C185	C16	White House Claim. This cut is about 150 feet above where the roads join near the filter plant and to the S.W. of a new house. Quartz			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		3 in. wide in schist, with a strike of N 30° E and a dip of about 80° SE.			
		Sample C185-F. Southwest Face.	.44	1.06	
		Sample C185-South Face, 6 feet deep, was taken after this had been cleaned out and is quartz and silicified schist. 8 in. wide.	.1	.26	
		Sample C185-2, Face. Was taken from another cut along this line across 37 in., the strike being N 43° E, dip 90°.	.11	.54	.35
C185A	D16	White House Claim. About 135 feet S 40° W from C185. Shows clay and schist with a dip of 90°.			
		Sample C185A-Face, across 30 in.	.02	1.6	

OUTCROPS

O2	E10	Champion Claim, near east end. This is an outcrop which was sampled in an endeavor to trace the splits of the Sheldon Vein on the surface to the northeast. It is about 110 feet N 70° W from C11. It has a strike of N 30° E, dip doubtful. It would doubtless be, if a portion of the Sheldon Vein system, the outcrop of a foot wall split.			
		Sample O2 of several pieces of this outcrop, 10 in. wide.	Tr.	.32	

RAISES

R1	G8	Short Cut Claim. This is an old cribbed raise, probably from a level driven from the old #1 shaft. Granodiorite here with considerable pyrite in it. Vein 2 to 3 feet wide. Dip about 90°.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
R2	C13	First North Capital Extension Claim. This is a cribbed raise on the strike of N 66° E. No information obtainable.			
R3	G11	New State Claim. Probably from a drift from S34. No information.			
R4	E9	This is the air raise from the 400 level N.E. from the main Sheldon shaft. It comes up in the foot wall of the Sheldon Vein at surface.			

SHAFTS

	F8	The MAIN SHELDON SHAFT, on the Champion Claim, is a 3-compartment incline in the foot wall of the Sheldon Vein at an angle of 80° to the S.E.			
S1	G8	Champion Claim, Sheldon Vein. This is an old vertical shaft, inaccessible, to the S.W. of the main shaft and reported to be 110 feet deep.			
S2	I7	Shelton Claim. This is the old #1 shaft on the Sheldon Vein to the S.W. of the present shaft, on the edge of the gulch. It is reported to be 207 feet deep, and from it there are said to have been drifts down to the 200-level and stope, with good-sized ore bin and a railroad grade from it to the mill. This is all in granodiorite. Quartz on the dump is rather coarse, with white iron pyrites cubes. It is reported that there was no drift to the south under T1 across the gulch.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
S3	L4	Independence Claim. This is the Victory Shaft, which connects with Victory tunnel, and is said to be 150 feet deep. Now full of water up to the tunnel level.			
S4	F9	Champion Claim. This is a caved shaft N.E. of the Sheldon main shaft, and about 150 feet from the bottom of the dump. There is a ladder and water standing in it at a depth of 15 feet. Strike of the timbers is N 30° E and the dip 55° SE, but this is probably not the vein wall. The dump would indicate a shaft not over 25 feet deep, but may have been partly washed away. It shows considerable pyrite, some of which is heavy and granular. It would be over the #2 ore shoot. Sample S4- Specimens of quartz and pyrite on the dump.	.34	8.84	2.01
S5	D11	Link Claim, near the N.E. corner of the Capital. Probably on the South split of the Sheldon Vein. Strike uncertain, but apparently N 60° E. Dump is not large. Shaft probably not over 30 feet deep. Shows some honeycomb quartz and pyrite. No sample.			
S6	C13	Fortune Claim. Old 2-compartment shaft on the Sheldon Vein system. Possibly hanging wall split. Reported to be stoped both ways. Dump shows quartz and pyrite up to 12 in. wide. It is quite large and would indicate two or three hundred feet of work, and suggests that the vein may have been rather narrow, or else there was considerable crosscutting. Sample S6-Specimens.	Tr.	1.56	
S7	B13	Fortune Claim, Sheldon Vein system. 2-compartment shaft, said to be 200 feet deep. Probably 500 feet from the N.E. end of the claim. Would be			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		to the N.E. of the vein stoped in C18, S6, etc., that is, on a hanging wall split. Dump probably at least 2000 tons, and shows mostly altered granodiorite with very little quartz. The vein must have been narrow, but possibly of high grade and all shipped. There is considerable pyrite, some lead, and some zinc on this dump.			
S8	A14	Pine Mountain or Fortune Claim. This is closer to the line than is indicated on the map, and as it is referred to as the Fortune shaft, it is probably on the line. This is reported to be 300 feet deep and has a large dump with altered granodiorite. Caved stopes 18 in. wide are indicated at one point.			
S9	Q2	Ninety-seven Claim. Sheldon Vein system at the extreme S.W. opening on Sheldon ground. Dump is small. Shaft is full of water. Probably not over 30 feet deep. It is claimed that most of the material from it was shipped.			
		Sample S9-S. Pieces from the dump, white to blue quartz, with considerable pyrite and very little lead.	-	Tr.	1.33
		Later this was resampled, picking the best from the dump, some carrying considerable lead.			
		Sample S9-S.	.01	1.88	1.89
S10	B21	Snowflower Claim. New Mudhole shaft. This is an incline dipping 46° to the S.E., in schist, said to be on the Mudhole vein, but nothing looking like a vein can be seen at the surface, and the timbers are caved a short distance down. Shaft-house is practically all down excepting a few timbers.			
		S10, sample taken below an old ore-bin assayed	.02	.50	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
S11	C20	East Fraction of the Golden Fleece Number Two Claim. This is the old Mudhole shaft, said to be 600 feet deep, which had a large hoisting plant and mill. There is probably 30,000 tons on the dump, but little of it looks like ore. Shows considerable rhyolite as well as schist. Some of the vein matter is somewhat brecciated.			
S12	D19	Northeast Fraction of the Golden Fleece Number Two Claim. An old shaft on the Mudhole with the head-frame now down. Nothing in sight.			
S13	E18	Golden Fleece Number Three Claim. Mudhole incline connecting Mudhole tunnel (T9). Two compartments. Dip 45° SE. This is on top of the ridge. The dumps indicate a depth of two to three hundred feet. Water stands about 60 feet below the tunnel level at the present time. Along the dump at the east is mostly rhyolite. A small dump to the N.E. is schist, and a dump to the west is black slate with spots of pyrite and galena. A small dump to the west shows pyrite with a little lead and zinc.			
		Sample S13-S.	.05		1.88
S14	A23	Gold Belt Claim. Shaft about 15 feet deep. Nearly vertical, then flattening to 45° . A dump of more than 200 tons shows more pyrite and quartz than any other dump seen on the Gold Belt.			
		Sample S14-S of the best white iron pyrites and quartz.	.28		1.44
S15	E11	East end of Capital Claim. No real shaft at this point, the dump here having come from the tunnel S15T.			
		Sample S15, from this dump.	.02		6.98

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
S15T		(See list of Tunnels)			
S16	C13	First North Capital Extension Claim. Capital Vein system. Above the road. This is stoped 10 feet down, N 60° E, and 20 feet S.W., the dip being from 60° to 70° S.E. Also a slight stope 20 feet down. Sample S16-F. 7 in. wide, 20 feet down. Quartz and iron oxide.	1.57	2.13	
S17	D13	First North Capital Extension Claim. Capital Vein system. On vein parallel to S16 and about 80 feet S.E. Shaft 6 x 8, about 25 feet deep on seams, in altered granodiorite. Strike N 37° E, dip about vertical. Sample S17-S. Picked specimens of quartz, pyrite and trace of lead.	.04	.72	
S18	C14	First North Capital Extension Claim. Most northerly vein of the Eureka system. Dump is greenish but evidently stained from sulphate of iron. Quartz with pyrite. Practically no mineralization. Vein strike about N 27° E, vertical or slightly N.W. dip. 30 in. of vein matter. Sample S18-S. Quartz with pyrite cubes.	-	Tr.	Tr.
S19	D14	Midnight Snap Claim. Probably 100 feet S.E. of the vein in S18, if measured at right angles to the strike. Granodiorite with about 4 inches of quartz. Sample S19-North Face. 10 in. wide.	-	Tr.	
		Sample S19-Hanging wall. 4 in. of quartz on the south side.	-	.2	
S20	D14	Midnight Snap Claim. About 200 feet up the hill from S19, to the S.W. After the snow melted, this			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		was found to be a hole in an old dump and apparently no shaft, the dump coming from long cut C75. Sample S20-S, from this dump.	.15	.52	
S21	D14	Midnight Snap Claim. Eureka Vein system. Vein apparently N 60° E, dipping 85° SE. Open to a depth of 25 feet. Apparently a drift in vein matter which is 30 in. wide. It is on a contact of granodiorite with a block of schist. Contact is N 40° E, dipping 40° SE. Nothing worth sampling.			
S22	D14	Midnight Snap Claim. Shaft on contact between a tongue of granodiorite and a block of schist. Shaft apparently 50 feet deep. Largely in altered granodiorite. Sample S22-S. The iron in this ran 20.16.	.20	1.64	
S23	E14	At the east end of the Eureka claim. Eureka Vein system. Referred to as the Strom shaft and reported to have been sunk about 50 feet in 1895. About 7 x 10. Vein about N 35° E, and dipping SE 80°. Possibly 2 feet wide. There are two piles of ore near this which may or may not have come from this shaft. Sample S23-S, oxidized. Has around 5 tons of altered granodiorite and vesicular quartz with iron oxide. Best looking pieces up to 12 in. in diameter. Sampled by Lecklider.	.46	.68	.30
		Sample S23-S, sulphides. Perhaps 5 tons of quartz showing considerable pyrite. Sampled by G. D. French.	4.10	3.18	Tr.

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
S24	E13	Eureka Claim, probably Eureka vein. At top of ridge. Deep shaft supposed to connect with drift from Eureka tunnel. Very little quartz or evidence of ore here. Shaft shows brown oxidized iron seams. There is nothing to show reason for work, but evidently there was a bin here. Strike is apparently N 35° E with a dip of 85° to 90° W. S24-S, taken from below where the bin was.	.18	1.04	.52
		NOTE: This shaft is said by William Casey to have gone down 90 feet on a vertical vein, then 110 feet on a vein dipping NW 65°. He states that he took a sample through the lagging, 40 feet down, which ran $16 in gold.			
S25	E13	Eureka Claim. This is 75 feet S.E. of S24, and William Casey says was sunk by leasers nearly to the Eureka tunnel level. Apparently a well-defined vein, strike N 39° E, dip 88° SE. Apparently real shearing in the walls. Very little quartz to be seen. Sample S25-S, coarse pyrite with small amount of lead.	.35	.86	.20
S26	F13	Eureka Claim. In Cut 92. Very heavy pyrite on dump, rather granular in quartz. Dip 75° NW, with strike N 64° E. Sample S26-S.	.02	1.18	Tr.
S27	D15	Midnight Snap Claim. 10-in. vein of quartz . N 50° E. Starts dipping S.E., then turns to 87° W. Apparently the granodiorite extends to this shaft from the east, and fine-grained dark crystalline metamorphosed schist occurs in contact with it. There is no quartz except in seams, with a little pyrite and chalcopyrite.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		Sample S27-S. Specimens from dump, with pyrite, looking somewhat like the Mudhole ore.	.04	.58	
		Sample S27-F. North side of face. Portion of vein obtainable by reaching down, but probably not full width. 10 in. wide.	.01	.58	
S28	D15	Midnight Snap Claim. Possibly 40 feet deep. 5 x 6. N 45° E, dip 80° to the S.E. Altered granodiorite, but to the N.E. looks like gneissoid granite or schist with a little chalcopyrite. Much brown iron stained country rock with very little quartz. Sample S28-S.	.04	.34	
S29	D15	Midnight Snap Claim. May be the S28 vein. Granodiorite walls. Near old railroad on the ridge. Sample S29-S. Specimens from the dump on the road, of the best quartz and mineralized granodiorite.	.04	.32	
S30	E14	Eureka Claim. Possibly the Rattlesnake vein. Shaft probably 30 feet deep, showing 15 in. of silicified granodiorite and quartz with possibly a trace of manganese in the S.W. face. Strike N 60° E, dip 88° SE. Sample S30-Face. 10 in. wide.	.07	.25	
S31	E14	Eureka Claim. Eberhart vein. This is apparently the top of a stope with strike N 44° E and dip 75° SE. Looks like a basic dike, but is probably metamorphosed schist close to the granodiorite. Sample S31-South Face. 41 in. wide.	.18	.28	
S31A	F14	Eureka Claim or Eberhart Claim. About 15 feet deep. Apparently all granodiorite, considerably altered, with a seam N 57° E and dipping 80° NW. This would be over the Eureka tunnel and is unimportant.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
S32	I11	New State Claim. Upper Curran shaft. Apparently vertical. Bulkheaded and lagged about 30 feet down. Apparently on the same vein as C14 and with a strike of N 70° W. There is a large dump of normal granodiorite containing less than 1% pyrite. The ore is fairly solid dense quartz, slightly coarse. May be 20 tons on the dump. Tonnage apparently was small, but there was a railroad to the mill.			
		Sample S32-S, from the dump.	-	.14	.69
S33	I11	New State Claim. Lower Curran shaft. Strike N 27° E, dip 85°NW. Probably around 75 feet deep. Has considerable pyrite in the granodiorite which is broken quite small and weathered yellow. There is a small pile of ore, less than one ton.			
		Sample S33-S. Mixed grab of the dump.	.04	4.12	Tr.
		Sample S33-Ore Specimens. Quartz with a little pyrite and lead stain.	.04	5.16	
S34	G11	New State Claim. This is the Discovery Vein, which has a strike of N 30° E along the shafts and cuts. Dip 80° W. Granodiorite on both sides.			
		Sample S34-North Face. 30 in. wide. Red stained honeycomb quartz with about 2% pyrite.	.01	.84	
S35	I10	New State Claim. Vein S 53° W. Dip 85° in the west face. After digging out seemed to be mostly granodiorite with a little quartz and pyrite in streaks.			
		Sample S35-South Face. 18 in. wide.	.02	5.84	
S36	K12	Monroe Claim. Shaft in dump in Knapp Gulch. Timbered. No information, but evidently on vein. Water in it.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
S37	K12	Monroe Claim. Monroe incline from point about 90 feet above shaft. Connecting with tunnel T14, and is said to go below it and to be connected by a drift with S36. The incline of the shaft is about 50°. Strike of the vein N 47° E. Foot wall is a dark blue rock looking like a diorite but may be silicified and altered schist, or some of the granodiorite which has dissolved a lot of the schist. Hanging wall is the ordinary granodiorite. The vein appears to be 14 feet wide with smooth walls, but only partly quartz.			
		Sample S37-B. Hanging wall. 24 in. wide. Slightly silicified and altered granodiorite, with a little quartz.	-		.24
		Sample S37-A. Foot wall. 26 in. wide. Typical vein matter in altered silicified granodiorite, compact, yellowish, hard, fine grained.		Tr.	.18

TUNNELS

T1	I7	Shelton Claim, on the S.W. side of the gulch. 720 feet S.W. of the main shaft. This tunnel shows four narrow seams of quartz in granodiorite. There is considerable copper carbonate, oxide, as well as chalcopyrite and chalcocite. (See the appended sketch for location of samples). The tunnel follows two seams for about 50 feet, beyond which there is only a single seam, but a split going out from the S.E. wall is encountered in a crosscut beyond, and drifted on to the face which is 130 feet in. There was considerable stoping on these narrow seams which must have yielded ore of good grade in order to make it pay.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		Sample T1-D. 15 feet in, of the foot wall split of the first vein. Crumbly, honeycomb quartz, brown and leached. 17 in.	.16	14.7	.22
		Sample T1-C. 65 feet in, on the first vein S.E. 10 in.	.01	3.5	13.54
		Sample T1-A. 90 feet in, on the second vein S.E. 2 in.	Tr.	4.02	3.40
		Sample T1-B. 130 feet in, on the third vein S.E. 3 in.	.02	44.66	2.33
		This latter vein dips N.W. 55° to 63°, while the other veins dip S.E. 75° to 83°.			
T2	K5	American Flag Claim. This is a caved tunnel, with probably 400 tons on the dump, which is all granodiorite. A slip N 10° E, dipping 70° SE, is seen here, which may have caused the bulge in the vein in C7.			
T3	L4	Independence Claim, above the main Victory tunnel, but probably on the same vein. This tunnel is 65 feet long. There is a split in the vein about 45 feet in, one slip going out into the hanging wall N 40° E, while the tunnel turns and follows the foot wall slip N 32° E.			
		Sample T3-1. From the breast of the tunnel. Dip 75° E. Granodiorite walls, quartz, altered granodiorite and a little pyrite with some limonite. 30 in.	.02	.30	.80
		Sample T3-A. 45 feet in. 10 in. wide. Seam of quartz on the foot wall which is followed by the tunnel.	.03	2.10	
		Sample T3-B. 45 feet in, streak of quartz 12 in. wide going out in hanging wall. Dip 66° SE.	.66	4.44	.62
		Sample T3-C. 25 feet in. Quartz and oxidized iron. 23 in. wide.	.01	6.26	.18
		NOTE: It is possible that the split N 40° E may show in C9 and C8B.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
T4	L4	Independence Claim. Victory tunnel. This is a long tunnel said to extend almost to the N.E. end line of the Independence Claim, but is caved 340 feet in. A map is appended. There was a crosscut, but this is caved also.			
		Sample T4-A. 275 feet from the portal on the foot wall side, which is granodiorite. Hard white quartz with 3 in. of heavy pyrite and a little chalcopyrite. 11 in. wide.	.16	.94	
		Sample T4-B. 175 feet N.E. of portal. Streak of quartz with pyrite showing a little copper, going out in the hanging wall, N 65° E, with a dip of 73° SE. 18 in.	-	1.18	
		Sample T4-C. 132 feet N.E. of portal. Quartz and pyrite with chalcopyrite about 30 in. from the foot wall which is not well defined here. There is also on the foot wall 18 in. of quartz which was not sampled. 30 in. wide.	Tr.	2.14	3.71
		Sample T4-D. Vein crossing adit 50 feet from portal. 5 in. wide. Quartz with chalcopyrite and a trace of chalcocite. Strike N 70° E.	.01	2.26	1.1
		NOTE: A car of ore weighing 42 tons, sorted from the dump and shipped to the smelter, assayed	.05	4.2	3.3
		Three samples are reported to have been taken by the Sheldon foreman in April 1930, resulting as follows:	.06	7.2	3.9
			.02	2.1	3.5
			.03	5.3	3.8

The net return from the smelter is reported as $8.63 per ton, with silver quoted at 42¢ and copper at 13.77¢.

It is notable that all splits appear to be in the hanging wall and toward the N.E., and the hanging wall is usually poorly defined. Apparently the best wall, the foot wall, was always followed.

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		This may not be the main Sheldon Vein, but doubtless belongs to the Sheldon Vein system, and, if not the main vein, is a split from it.			
TS4	F9	Champion Claim. N.E. of the Sheldon main shaft at the foot of the dump. This is a short tunnel, partly caved, showing two streaks of ore separated by granodiorite, but with clearly defined movement slips on both sides of the granodiorite.			
		TS4-A. On the foot wall side, is about one-half white quartz, the balance brown, granular, sandy, altered granodiorite, more or less silicified, with some quartz mixed. 13 in. wide.	.02	1.7	
		TS4-B. Red to light brown granodiorite with 2 in. of brown, sandy quartz, between the two ore streaks. 15 in. wide.	Tr.	.88	
		TS4-C. Hard, compact quartz on the hanging wall side, only slightly honeycomb, but somewhat crystalline. 7 in. wide.	.02	2.38	Tr.
T5	L5	Independence Claim. Possibly the S.E. split of the Sheldon vein. This is about 200 feet S.E. of the Victory tunnel and roughly parallel to it. All in granodiorite. The strike is N 35° E, and the dip is 75° to the NW at the portal, but changes in the face to about 75° SE. There is a small shaft about 20 feet south of the portal with two 3-in. seams.			
		T5-South Face. 15 in. of silicified granodiorite with a small amount of quartz.	.08	4.16	.25
T6	M4	Independence Claim. S.W. of the gulch and across it from the main Victory tunnel, but probably the same vein. Direction is S 45° W, and the length 40 feet, dip 80° to the SE.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		Sample T6-A. From the face, 90 feet in. 16 in. on hanging wall. Dull quartz with considerable pyrite in irregular bunches up to 2 in. wide; balance silicified granodiorite with pyrite scattered through in part, and partly white quartz. Total 40 in.	-	.4	
		Sample T6-B. 70 feet from portal. White quartz with pyrite and 2 in. of heavy sulphide, showing some copper. Total 21 in.	-	.32	
		Sample T6-C. 50 feet from portal. 6 in. silicified granodiorite with fine pyrite; the balance white quartz. 19 in.	-	Tr.	
		Sample T6-D. 30 feet from portal. 7 in. altered granodiorite; the balance oxidized quartz. 20 in.	Tr.	1.42	.23
		Sample T6-E. 10 feet from portal. All vesicular quartz, brown to white. 17 in.	-	.3	
T7	M3	Ninety-eight Claim. Cuts part of the vein on an angle, but apparently shows only the foot wall portion. It is 45 feet long, N 28° E. The vein on the surface here appears to be more than 10 feet wide, with good quartz on the foot wall side, better possibly to the N.W. of the tunnel entrance. Considerable sulphur has separated out and there is some copper stain, with much coarse pyrite. Ninety-eight Discovery Post is near here.			
		Sample T7-A. Face, 45 feet in. Foot wall side. 10 in. of white quartz with some pyrite in bunches, then silicified granodiorite with fine pyrite. 24 in. wide.	-	.4	
		Sample T7-B. 22 feet back from the face. Crystalline quartz with heavy pyrite toward the foot wall. 17 in.	-	1.68	.35
		Sample T7-C. 22 feet back from the face, in the center. Solid quartz with minor pyrite. 14 in.	Tr.	.34	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		Sample T7-D. 22 feet back from the face, hanging wall side. Granular quartz, medium pyrite. 12 in.	-		1.26
		Sample T7-E. At portal. Silicified granodiorite with fine pyrite and quartz. 6 in. on the hanging wall is quartz with considerable pyrite. 48 in. wide.	-		.26
T8	B21	Snowflower Claim. This is a caved tunnel on the Mudhole which was not opened.			
T9	E17	Golden Fleece Number Three Claim. Mudhole tunnel. (See the appended sketch for details). This tunnel starts in schist, but has a crosscut S.E. which passes through rhyolite to connect with the S13 Mudhole incline. There is also a crosscut N.W. which cuts a parallel vein 47 feet from the main vein in the foot wall and is extended for considerable distance beyond it. The main vein appears to be very largely in sheared schist, has very little quartz, but carries bunches of pyrite, galena, a little zincblende, and very little chalcopyrite. The ore shoot is less than 70 feet long, and there is only one stope which goes up only 20 feet. There is a winze and the incline shaft goes below this tunnel, but the water stands about 60 feet down. It is said that these two are connected on a lower level. T9-S, specimens from dump.	.34		1.68
		Sample T9-1. Parallel vein in crosscut north, 47 feet from main tunnel. Quartz and a little pyrite. Strike N 52° E, dip 72° SE. Width 14 in.	.02		.36
		Sample T9-2. 30 feet back from face of main tunnel, or 431 feet in from portal. Foot wall side. Quartz and pyrite. Dip 63° SE. 18 in. of vein matter not included in sample. Width sampled 12 in.	.15		.9

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		Sample T9-3. 300 feet in. 15 feet above sill floor in the stope at the N.E. face on the foot wall side. Galena, pyrite, with schist walls. 12 in. wide. Strike N 52° E. Dip 58° S.E. Lead 2.76%.	.87	3.41	.67
		Sample T9-4. Same place as T9-3. Hanging wall side. Slatey vein matter with pyrite. 12 in. wide.	.01	.56	
		Sample T9-5. 200 feet in. In bottom of drift. ½in. of quartz, ½in. of galena, blende and pyrite, 4 in. of quartz and pyrite mixed, balance sheared gneissoid granite. 10 in. wide. Lead 2.68%.	.28	1.08	.67
		Sample T9-6. Face of tunnel. 461 feet in. Crushed country rock with very little quartz and pyrite. 8 in. wide.	-	.18	
		Sample T9-7. 125 feet in tunnel from portal, on main vein. Soft crumbly quartz and country rock with 2 in. of pyrite. Width 14 in.	-	Tr.	
		Sample T9-8. Specimen from portal. Possibly a little manganese, then quartz and altered granodiorite. Width 18 in.	.12	.24	
T10	F10	Capital Claim. Capital tunnel. This is about 60 feet S.E. of the road at a point around 700 feet (SE?) N.E. of the Sheldon shaft. There is a crosscut 40 feet in granodiorite to the Capital vein, and extending beyond this 15 feet into the country rock, but does not cut the parallel vein. There is a drift to the N.E. about 5 feet and to the S.W. 110 feet along the vein. There is also a winze at the intersection, depth unknown. The strike is S 35° W near the adit, changing to S 45° W toward the face. The vein dips 80° NW at the S.W. face, but about 80° SE at the N.E. face. It was stoped for some 50 feet S.W. from the tunnel, but there is practically no ore in the N.E. face, though there are indications that it may come in beyond the slip there.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		Sample T10-South Face. 3 in. of quartz on the foot wall.	2.0	11.5	5.04
		Sample T10-N.E.Face. Two quartz seams 1 in. wide, and 3 in. of clay. Total width 5 in.	Tr.	.56	
T11	D13	First North Capital Extension Claim. Above S16. It may possibly have cut the S17 vein, but nothing can be seen there now and this was omitted from the map.			
T12	F14	Eureka tunnel starting on the Eberhart Claim and continuing under the Eureka. See sketch which is appended. The direction of this tunnel is N 53° W. It starts in rhyolite porphyry, continuing in it for 60 feet. The formation then changes to amphibolite, extending to the first vein which is 100 feet in, a thin seam of quartz and was not sampled. From this point to the next vein, 190 feet in, the formation is schist. This vein has a strike of N 50° E, and there is a raise on it to the surface. It would apex on the Eberhart ground to the S.W., but would cross into the Eureka ground toward the N.E.			
		Sample T12-A. 11 in. wide.	-	Tr.	
		This vein is on a contact between schist and granodiorite. The latter continues to a point 218 feet in, when the formation again changes to amphibolite. This extends to a point 270 feet from the portal, and beyond that the entire tunnel is in granodiorite. 270 feet in there is encountered the first of a series of narrow quartz seams frozen to the country rock, containing some fine pyrite and stained yellow from the oxidation. On this there is a 15-foot drift S 40° W. The dip is 70° SE.			
		Sample T12-B was taken on the N.E. side of the tunnel where the vein was wider and covered 9 in.	.02	.52	

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		There is another streak 295 feet in, another at 300, and other small ones, all of which are unimportant. At 320 feet in, a streak of hard quartz with pyrite and a little copper stain, having an irregular dip in granodiorite, 4 in. wide, was sampled.			
		Sample T12-C.	.1	.6	
		At 400 feet in, there is a drift about 18 feet N 67° E, on a 10-in. streak of hard quartz with fine pyrite which dips 80° to the SE.			
		Sample T12-D. 10 in.	.01	.28	.18
		At 460 feet in, there is a winze on the Eureka vein and drifts and stopes in both directions. The strike is N 70° E. This vein evidently varied from a few inches to 4 or 5 feet in width. It was not possible to get a fair sample as it is pretty well worked out, but to the NE 40 feet from the tunnel the vein splits.			
		Sample T12-E taken here, 4 in. wide, assayed	.25	1.5	
		One of these splits dips 75° NW, the other 80° SE. The main Eureka vein dips 73° NW. These stopes are caved and nothing of value can be seen here.			
T13	E14	Eureka Claim. Caved. Apparently connected with C116 and C117, and very probably extended beyond this to the N.W. to the Eureka vein. There is considerable quartz and pyrite on the dump, and a preliminary sample from this, -			
		Sample T13-S, assayed	.72	.58	
		Later three samples were taken of the rock of different character to determine which one carried the value.			
		T13-A, granodiorite with a little quartz and pyrite.	.06	.9	
		T13-B, coarse quartz and pyrite with siderite(?).	.84	.65	.24

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		T13-C, pyritized schist, dark gray, including fine crushed matter.	.01	1.08	
T14	K12	Monroe Claim. This as shown on the map is from a sketch made by Mr. Warra. This tunnel is caved at the portal and could not be seen. The dump is large and would doubtless contain more than 2500 tons. It is largely yellow altered granodiorite. There is quite a little quartz and pyrite, though very little that looks like ore. A large cut over the tunnel is 30x20 feet by 15-foot face. Two samples were taken from this face.			
		T14-B, from the hanging wall side of the vein, containing quartz with small amount of altered granodiorite. Width 14 in.	Tr.	.18	
		T14-A, from the foot wall side of the vein, quartz with limonite. Width 12 in.	Tr.	.38	
		The vein on the west side of the cut has a strike of N 57° E and a dip of 60° SE. In places the foot wall appears to be shale but it is probably merely an included block. The country rock to the N.W. along the road appears to be a granodiorite which may have been altered by dissolving the schist, although Dr. Jagger's map indicates this particular area to be Pre-Cambrian.			
		T14-S, pieces of rock from the dump assayed	-	.20	.92
		A specimen of what was doubtless originally granodiorite, now altered and permeated with copper solutions, showing azurite and malachite. -			
		Sample T14-Copper Specimens,	Tr.	.2	22.01
T15	K11	Monroe Claim. This is perhaps 150 feet higher than T14, and has a dump about 40x10x30. The tunnel is caved. The dump is altered granodiorite with considerable quartz and some pyrite.			

NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		Sample T15-A, from the west side of the dump. Pieces of quartz and pyrite, carrying perhaps 50% pyrite.	.01	1.0	2.15
		Sample T15-B, from the S.E. side of the dump. Pieces of white quartz with a small amount of pyrite, possibly 10%.	.01	2.84	.37
S15T	E11	Capital Claim. Apparently the S.E. Capital vein. This is a crosscut tunnel back of the old bunk-house. It is driven in S 15° E, 60 feet to the vein, then follows the vein S 60° W for 30 feet. The vein dips NW 66°. There are two good walls. The vein has a width of 27 in. Samples from the South Face were taken.			
		Sample S15T-A, from the foot wall side, hard quartz and silicified granodiorite with pyrite and a little chalcopyrite. 12 in.	.02	1.28	
		Sample S15T-B, hanging wall side, silicified granodiorite, with quartz seams. 15 in.	Tr.	.70	
		Toward the N.E. the vein pinches out.			
T16	K6	This tunnel is on the Grasshopper Claim, and showed nothing of value. It is omitted from the map.			
T17	M4	Copper Number Two Claim. This is on the side hill near the power line across the gulch and above the Victory tunnel. Possibly it may have hanging wall stringers of the Sheldon vein, but it is doubtful if the entire Sheldon vein is shown here. This would not be the vein shown in T6. It runs due East 25 feet and crosses a quartz seam 8 feet in, having a strike of N 40° E and a vertical dip, and another one 20 feet in, strike N 40° E, dip 75° SE.			
		Sample T17-A, near the face. 5 in. of quartz.	-	.10	

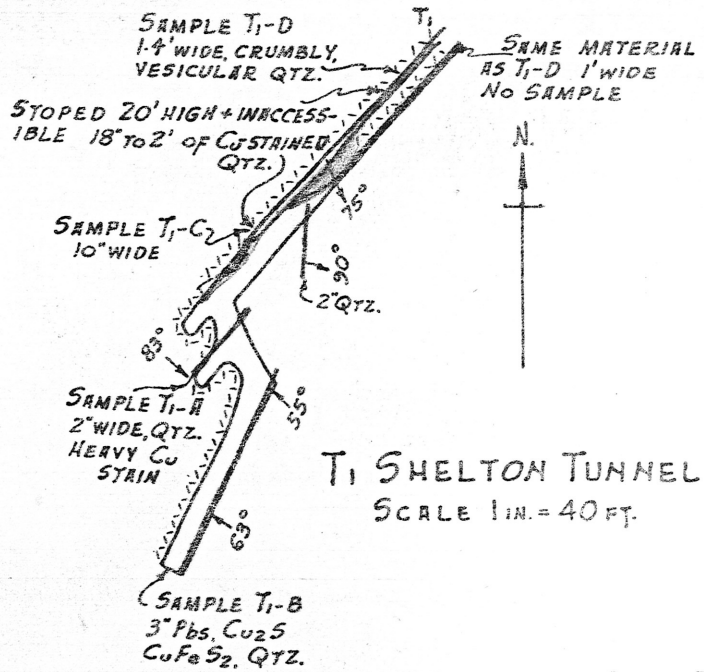
NO.	LOCATION	DESCRIPTION	ASSAYS Oz. per Ton GOLD	SILVER	% COPPER
		Sample T17-B, 3 feet S.E. of A, quartz in sheared granodiorite. 4 in. wide.	Tr.	.88	
T18	P3	Ninety-eight Claim. N 30° E, dip 80° SE, with granodiorite walls. 15 feet long. Sample T18-North Face. 4 in. of quartz and 10 in. of mixed granodiorite with quartz seams. Total width 14 in.	-	.2	
T19	K13	The Penn Claim. This is a cut 25 feet long with a tunnel 15 feet long, N 52° E, in schist, dipping 77° SE. There are some thin slips and a trace of iron oxide, but nothing of value.			
T20	D10	Champion tunnel, Last Chance split of the Sheldon vein. This is all in granodiorite, on the N.E. corner of the Champion Claim, and 115 feet long. N 18° E. The vein dips 70° to the SE, but there is very little showing and no vein in the face. Sample T20-F, 95 feet N.E. of the portal, 4 in. wide.	Tr.	.82	
T21	F17	Golden Fleece Number Three Claim. This appears to be the vein which would be in the hanging wall of the Golden Fleece incline S13, and which was discussed as one which might be cut by a short crosscut from the Mudhole tunnel. Where exposed it is a crushed schist with possibly a little sheared gneissoid granite and quartz on the contact of the schist and the gneissoid granite. Strike is N 58° E, dip 58° SE. Sample T21-F.25 in. wide.	-	Tr.	
T22	I8	New Strike Claim. This is possibly the S.W. extension of the east split of the Capital vein, on the S.W. side of the gulch. It is 12 feet long and has a direction of N 50° E. Sample T22-F. 8 in. wide.	.03	7.18	Tr.

ASSAYS OF UNDERGROUND SAMPLES

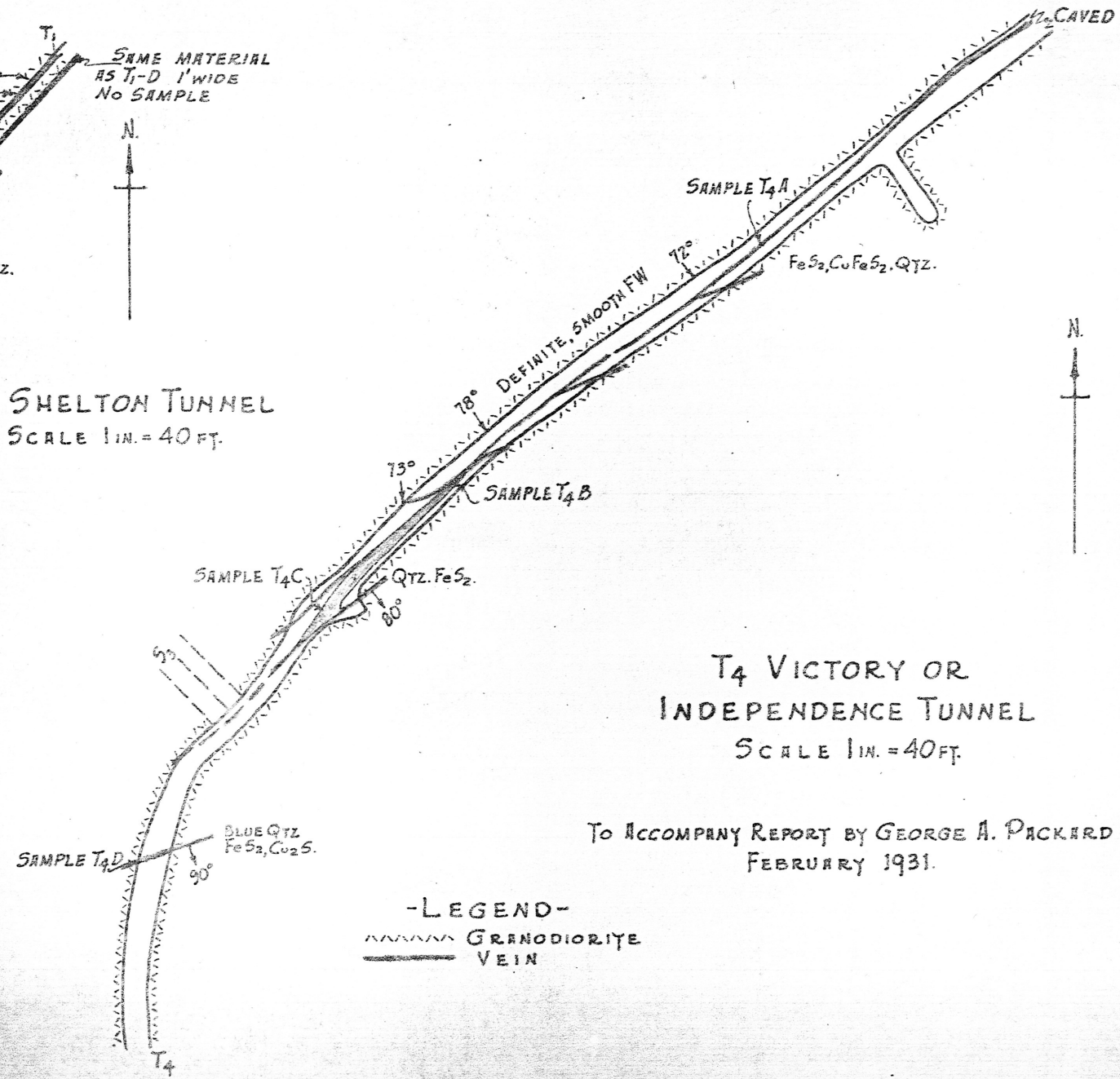
SHELDON MINE

	Oz. per Ton GOLD	SILVER	% COPPER
450 Level. North Face. Foot wall. Mostly crushed silicified pyritized granodiorite with some solid quartz. 16 in. wide.	.01	1.38	.4
450 Level. S. W. Drift. Sample of sulphides for comparison with oxidized ore from same place.	.01	3.64	3.02
450 Level. Sample of oxidized ore from same place as preceding. This is yellowish and compact.	.02	1.18	1.26
650 Level. Crosscut S. E. in drift on vein supposed to be the Capital. 25 feet N. E. of crosscut. Dip about 90°. Strike N 10° E. 3½ in. of quartz with some fine pyrite.	.02	.4	.2
650 Level. Crosscut S. E. Narrow vein 50 feet back from face. Quartz with crushed granite, pyrite and a little copper stain. No gouge. Wall rock altered by solutions. Dip 68° NW, strike N 50° E. Average width 2 in.	Tr.	.62	.2
1250 Level. N. E. Face. November 28, 1930. 42 in. wide. Soft black quartz, clay with a streak of 2 to 7 in. of hard quartz, carrying chalcopyrite.	-	.22	1.01
1250 Level. S. W. Face #1. Foot wall side. 16 in. wide. Crumbly black quartz with perhaps 5% pyrite. 1 in. of gouge.	Tr.	.4	
1250 Level. S. W. Face #2. Streak overlying #1. 23 in. wide. Solid quartz with considerable pyrite and some copper. Overlying this, in the center of the vein, is 20 in. of loose granodiorite which was not sampled.	.02	6.26	2.88

	Oz. per Ton GOLD	SILVER	% COPPER
1250 Level. S. W. Face #3. Overlying unsampled section of vein. 12 in. wide, of which 4 in. is black quartz and 8 in. is quartz showing very little pyrite.	.16	1.56	Tr.
1250 Level. S. W. Face #4. 19 in. wide, overlying #3 and next hanging wall. Quartz with very little chalcopyrite.	.01	1.1	Tr.



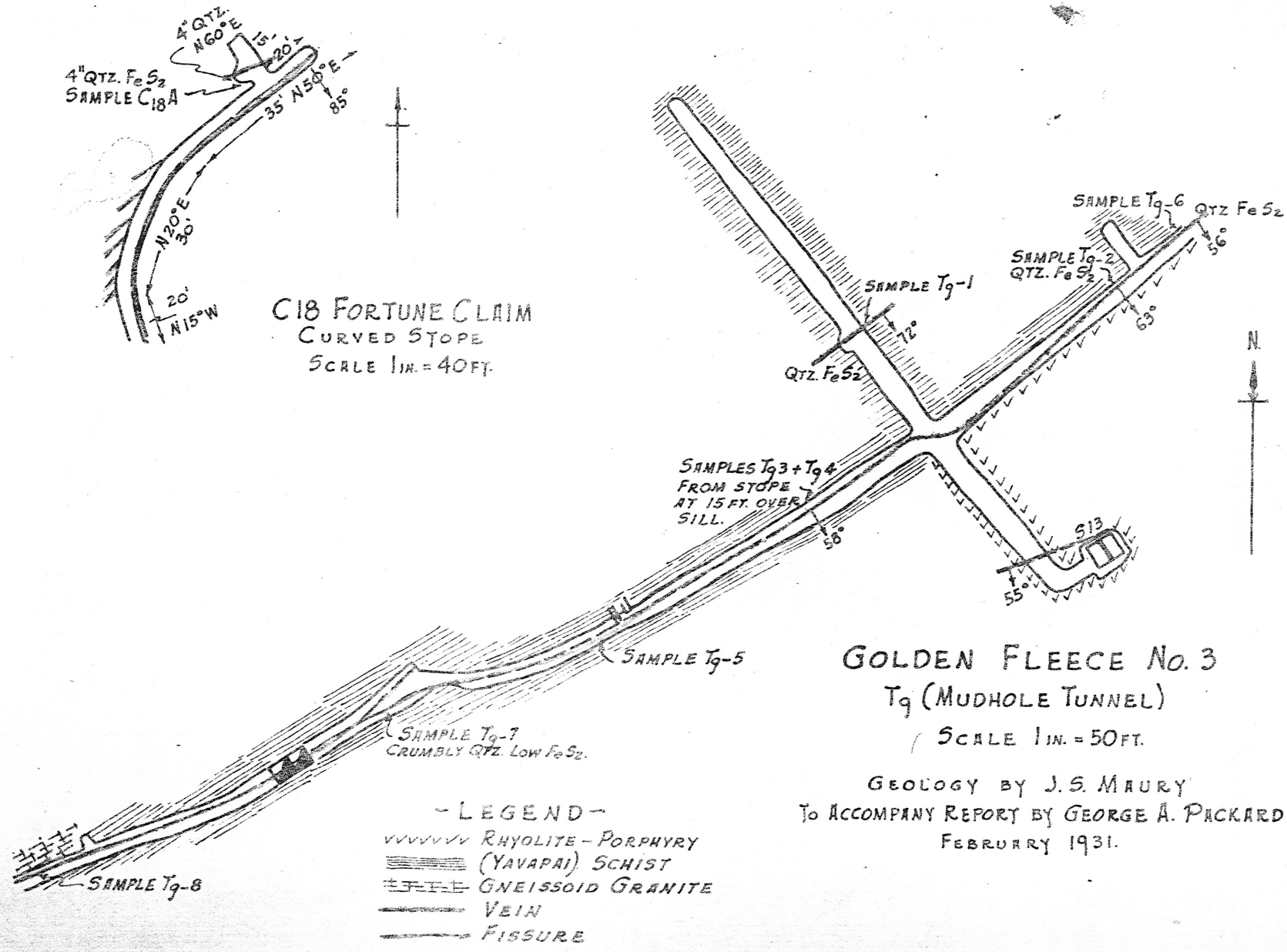
T1 SHELTON TUNNEL
SCALE 1 IN. = 40 FT.



T4 VICTORY OR
INDEPENDENCE TUNNEL
SCALE 1 IN. = 40 FT.

TO ACCOMPANY REPORT BY GEORGE A. PACKARD
FEBRUARY 1931.

-LEGEND-
GRANODIORITE
VEIN


4" QTZ. N60°E
15'
20'
4" QTZ. $Fe S_2$
SAMPLE $C_{18}A$
35' N50°E
85°
N20°E 30'
20' N15°W
C18 FORTUNE CLAIM
CURVED STOPE
SCALE 1 IN. = 40 FT.
SAMPLE T_g-6
QTZ $Fe S_2$
56°
SAMPLE T_g-2
QTZ. $Fe S_2$
63°
SAMPLE T_g-1
72°
QTZ. $Fe S_2$
N.
SAMPLES T_g3 + T_g4
FROM STOPE
AT 15 FT. OVER
SILL.
58°
S13
55°
SAMPLE T_g-5
SAMPLE T_g-7
CRUMBLY QTZ. LOW $Fe S_2$.
SAMPLE T_g-8
GOLDEN FLEECE No. 3
T_g (MUDHOLE TUNNEL)
SCALE 1 IN. = 50 FT.
GEOLOGY BY J. S. MAURY
TO ACCOMPANY REPORT BY GEORGE A. PACKARD
FEBRUARY 1931.
-LEGEND-
RHYOLITE-PORPHYRY
(YAVAPAI) SCHIST
GNEISSOID GRANITE
VEIN
FISSURE