



**EXPLANATION**

- Cover, includes unconsolidated alluvial or colluvial deposits and rubble. Depth estimated.
- Quartz-calcite zone, with greater than 3% chalcopyrite, and usually greater than 2% pyrite. See figure A-82 for more detailed explanation of quartz-calcite zone. Contained in gold-copper mineralized zone shown in figure A-78.
- Gold-copper mineralized zone at the hanging wall of the Road Cut fault zone. Contains the quartz-calcite zone. Consists of silicified, brecciated metabasalt with above 0.06% chalcopyrite.
- Copper bearing shear zone breccia, consisting of silicified, brecciated metabasalt and in places metadiorite. Chalcopyrite greater than 0.06%.
- Shear zone breccia, consisting of brecciated metabasalt and in places brecciated metadiorite, silicified at most locations, up to 5% pyrite, with chalcopyrite less than 0.06%. Fault gouge zones up to 0.1 ft. thick and quartz stringer zones at some locations.
- Hanging wall and footwall boundaries of the Road Cut fault zone. Contains the gold-copper mineralized zone where indicated and lenses of metabasalt.
- Ultramafic dike, sheared into discontinuous lenses at some locations. Characterized by phlogopite books up to 4 in. across in gray-green groundmass.
- Metadiorite, epidote altered, microcrystalline and locally porphyritic.
- Metabasalt, gray-green-black, epidote-chlorite altered. Usually contains about 75 ppm copper. Infrequently encountered narrow (less than 0.05 ft.) epidote-quartz (epidote much greater than quartz) bearing shear zones show secondary malachite, chalcopyrite and pyrite mineralization and sometimes low (0.07 ppm) gold values. Sheared into discontinuous lenses and included within the Road Cut fault zone at some locations. Locally in the vicinity of the gold-copper mineralization zone may contain much greater than 75 ppm copper.
- Contact, dashed where inferred
- Diamond drill hole core sample locations shown by alternating black and white bars. See inset for analytical results. Down hole distances in feet on opposite side of bar.
- Surface sample locations. For greater detail, see figure A-82, sample profile number 17.

**ANALYTICAL RESULTS**

DDH 1			DDH 3		
SAMPLE	Au (ppm)	Cu (ppm)	SAMPLE	Au (ppm)	Cu (ppm)
1	2.64	3,100	45	<.07	650
2	.07	285	46	<.07	360
3	<.07	155	47	<.07	80
4	<.07	290	48	<.07	31
5	.14	82	49	<.07	25
6	.07	29	50	<.07	77
7	.10	12	51	.07	13
8	.10	70	52	.27	34
9	.89	565	53	.55	21
10	.75	370	54	.17	13
11	.24	18,400	55	.07	4
12	<.07	230	56	.72	14
13	1.61	295	57	1.85	31
14	5.93	99	58	.45	24
15	.10	107	59	.41	52
16	.07	97	60	<.07	134
17	<.07	74	61	<.07	45
18	<.07	61	62	<.07	16
19	<.07	64	63	<.07	320
20	<.07	33	64	<.07	240
			65	<.07	280
			66	<.07	142
			67	<.07	54
			68	.34	400

(see Table A-1-36)

Note: DDH1, DDH3 and sample profile 17 projected onto common plane at N 51° E. View at N 39° W. DDH1 at N 50° E and -44°, DDH3 at S 51° W and -44°.

Figure A-85. — Road Cut propsect vertical cross section XS-3, showing diamond drill holes 1 and 3, and surface sample profile 17.